序号	df$gene	A_trans	B_trans	type_A	type_B	UP	5799	1756	DOWN	6260	786
1	TraesCS1A03G0004000	0.75795	0.56245	Down	Down						
2	TraesCS1A03G0004200	0.95469	0.56509	Down	Down						
3	TraesCS1A03G0004200	1.11239	0.74681	No	No						
4	TraesCS1A03G0004300	0.98693	1.27625	No	No						
5	TraesCS1A03G0004400	1.02218	0.83415	No	No						
6	TraesCS1A03G0004500	0.88322	2.0904	Down	Up						
8	TraesCS1A03G0004900	0.84903	0.79254	Down	Down						
9	TraesCS1A03G0005200	1.04437	1.4104	UP	UP						
10	TraesCS1A03G0005600	1.01854	0.85008	No	No						
11	TraesCS1A03G0013100	1.26733	1.24599	UP	UP						
12	TraesCS1A03G0015700	0.67913	3.05128	Down	Up						
13	TraesCS1A03G0016300	0.69767	0.77861	Down	Down						
14	TraesCS1A03G0016400	0.62981	2.02433	Down	Up						
15	TraesCS1A03G0020600	0.85977	0.86637	Down	Down						
16	TraesCS1A03G0020900	1.79161	0.70124	No	No						
18	TraesCS1A03G0024500	1.12794	1.06015	UP	UP						
19	TraesCS1A03G0029500	1.05623	1.92542	UP	UP						
20	TraesCS1A03G0031500	0.88278	1.32812	No	No						
21	TraesCS1A03G0033800	0.92647	0.83565	Down	Down						
22	TraesCS1A03G0033900	0.661	6.41798	Down	Up						
23	TraesCS1A03G0033900	0.83288	0.32189	Down	Down						
24	TraesCS1A03G0036900	1.47732	0.31498	Up	Down						
25	TraesCS1A03G0037000	0.99614	1.03016	No	No						
26	TraesCS1A03G0037000	0.8011	1.6131	No	No						
27	TraesCS1A03G0037100	0.75178	1.8935	No	No						
28	TraesCS1A03G0037300	1.88555	3.47007	Up	Up						
29	TraesCS1A03G0037900	1.86174	4.10861	Up	Up						
30	TraesCS1A03G0039600	1.46975	0.93324	No	No						
31	TraesCS1A03G0041900	0.79407	4.30895	Down	Up						
32	TraesCS1A03G0042000	0.82332	3.37482	Down	Up						
33	TraesCS1A03G0042900	0.66675	3.78943	Down	Up						
34	TraesCS1A03G0043100	1.03545	1.8757	UP	UP						
35	TraesCS1A03G0043500	0.97346	0.83064	Down	Down						
36	TraesCS1A03G0043600	0.8888	1.47668	No	No						
37	TraesCS1A03G0044000	0.92646	0.59721	Down	Down						
38	TraesCS1A03G0046100	1.16134	0.80922	No	No						
39	TraesCS1A03G0046300	0.95786	1.22612	No	No						
40	TraesCS1A03G0046500	0.89915	0.76846	Down	Down						
42	TraesCS1A03G0047100	1.25539	2.14719	Up	Up						
43	TraesCS1A03G0047300	0.99113	0.92425	Down	Down						
44	TraesCS1A03G0054100	0.94426	1.3109	No	No						
46	TraesCS1A03G0056400	1.1027	0.8835	No	No						
47	TraesCS1A03G0056600	1.04516	0.76386	No	No						
48	TraesCS1A03G0057500	0.79081	1.29784	No	No						
49	TraesCS1A03G0057600	0.89901	1.49299	No	No						
50	TraesCS1A03G0059400	0.5356	4.02237	Down	Up						
51	TraesCS1A03G0059700	1.07802	0.93233	No	No						
52	TraesCS1A03G0062700	0.86443	1.6911	No	No						
53	TraesCS1A03G0066600	0.82954	0.63857	Down	Down						
54	TraesCS1A03G0067500	0.77197	3.74172	Down	Up						
55	TraesCS1A03G0068100	0.93031	0.26836	Down	Down						

56	TraesCS1A03G0068200	1.01124	0.74057	No	No
57	TraesCS1A03G0069000	0.87962	1.13361	No	No
58	TraesCS1A03G0069100	1.00308	2.09267	Up	Up
59	TraesCS1A03G0069300	1.86765	0.42302	Up	Down
61	TraesCS1A03G0070800	1.38267	0.56662	No	No
62	TraesCS1A03G0073700	0.73569	1.29286	No	No
63	TraesCS1A03G0073800	0.78181	0.84753	Down	Down
64	TraesCS1A03G0074000	0.67367	4.48741	Down	Up
65	TraesCS1A03G0075000	1.54251	0.64506	No	No
66	TraesCS1A03G0078200	1.14686	3.04303	Up	Up
67	TraesCS1A03G0080900	1.04693	1.19714	UP	UP
70	TraesCS1A03G0082100	0.69077	5.07421	Down	Up
71	TraesCS1A03G0083300	0.60687	1.67644	No	No
72	TraesCS1A03G0084400	0.68984	0.58271	Down	Down
73	TraesCS1A03G0084800	0.90829	0.6956	Down	Down
74	TraesCS1A03G0089100	1.35934	0.62099	No	No
75	TraesCS1A03G0089100	1.00629	1.13051	UP	UP
76	TraesCS1A03G0090000	1.98889	0.95686	No	No
77	TraesCS1A03G0093500	0.91457	0.72965	Down	Down
78	TraesCS1A03G0094000	0.8208	1.38784	No	No
81	TraesCS1A03G0096400	0.70305	0.74305	Down	Down
82	TraesCS1A03G0096600	0.86252	1.77842	No	No
83	TraesCS1A03G0096700	1.09617	0.88035	No	No
84	TraesCS1A03G0101600	1.08979	1.10873	UP	UP
85	TraesCS1A03G0103400	0.99219	1.30199	No	No
86	TraesCS1A03G0103700	1.04509	0.86578	No	No
87	TraesCS1A03G0104200	0.88037	1.80296	No	No
88	TraesCS1A03G0105900	1.07787	1.80179	UP	UP
89	TraesCS1A03G0106500	0.75666	1.30513	No	No
90	TraesCS1A03G0106500	1.59637	3.42083	Up	Up
91	TraesCS1A03G0106600	1.2533	0.63709	No	No
92	TraesCS1A03G0107200	0.92322	1.18062	No	No
93	TraesCS1A03G0108300	1.07115	2.61424	Up	Up
94	TraesCS1A03G0108300	0.5583	1.95245	No	No
95	TraesCS1A03G0108500	0.88994	1.86687	No	No
96	TraesCS1A03G0109100	0.93475	0.6013	Down	Down
97	TraesCS1A03G0109300	0.61333	1.37976	No	No
98	TraesCS1A03G0111400	1.00119	1.08501	UP	UP
99	TraesCS1A03G0111500	1.03601	1.02555	UP	UP
101	TraesCS1A03G0111700	1.12924	0.71971	No	No
102	TraesCS1A03G0112200	0.89513	1.15237	No	No
103	TraesCS1A03G0112500	0.90781	1.3021	No	No
104	TraesCS1A03G0114700	0.75821	1.24902	No	No
105	TraesCS1A03G0117000	1.07186	1.3883	UP	UP
106	TraesCS1A03G0120100	1.54661	1.08993	UP	UP
107	TraesCS1A03G0120100	0.70586	1.06174	No	No
108	TraesCS1A03G0121700	1.13982	0.76694	No	No
111	TraesCS1A03G0126000	0.68404	1.08964	No	No
113	TraesCS1A03G0127500	0.66971	1.63009	No	No
114	TraesCS1A03G0127600	0.89632	0.72164	Down	Down
115	TraesCS1A03G0127800	0.8683	1.41134	No	No
116	TraesCS1A03G0128500	1.05991	1.0146	UP	UP

117	TraesCS1A03G0128600	0.84512	1.75553	No	No
118	TraesCS1A03G0128600	0.98718	1.27922	No	No
121	TraesCS1A03G0133500	1.21632	0.845	No	No
122	TraesCS1A03G0133900	0.75871	1.16211	No	No
123	TraesCS1A03G0134700	1.12226	0.96008	No	No
124	TraesCS1A03G0135500	1.05379	0.80493	No	No
125	TraesCS1A03G0135600	0.92298	0.77056	Down	Down
126	TraesCS1A03G0135800	0.71113	1.26219	No	No
127	TraesCS1A03G0136200	1.01533	0.6386	No	No
128	TraesCS1A03G0137800	1.98583	0.21957	Up	Down
129	TraesCS1A03G0138200	1.00282	0.51429	No	No
130	TraesCS1A03G0139400	1.23156	0.86232	No	No
131	TraesCS1A03G0139500	0.57413	0.14505	Down	Down
132	TraesCS1A03G0141300	1.13939	1.81487	UP	UP
133	TraesCS1A03G0141400	2.68967	2.32432	UP	UP
134	TraesCS1A03G0142800	1.05166	0.56467	No	No
138	TraesCS1A03G0146000	1.08227	3.08988	Up	Up
139	TraesCS1A03G0147100	0.8239	0.89848	Down	Down
140	TraesCS1A03G0148800	1.20945	0.567	No	No
141	TraesCS1A03G0150700	1.17463	0.44796	Up	Down
144	TraesCS1A03G0153700	1.12086	1.12072	UP	UP
145	TraesCS1A03G0154200	1.67297	1.2868	UP	UP
146	TraesCS1A03G0155800	0.80656	8.44215	Down	Up
147	TraesCS1A03G0156300	1.17297	1.00986	UP	UP
149	TraesCS1A03G0159700	1.11713	0.56806	No	No
150	TraesCS1A03G0160100	2.89127	0.79967	Up	Down
152	TraesCS1A03G0162100	1.01799	1.82851	UP	UP
153	TraesCS1A03G0163300	1.05357	0.24264	Up	Down
154	TraesCS1A03G0164000	1.9634	0.94364	No	No
155	TraesCS1A03G0164300	1.36683	0.76505	No	No
156	TraesCS1A03G0164500	1.28531	0.39863	Up	Down
157	TraesCS1A03G0164800	1.30356	1.17926	UP	UP
158	TraesCS1A03G0166300	0.85847	0.83538	Down	Down
159	TraesCS1A03G0166400	0.70011	0.94804	Down	Down
162	TraesCS1A03G0167300	0.70418	0.63566	Down	Down
163	TraesCS1A03G0167500	0.75443	1.49825	No	No
165	TraesCS1A03G0170500	0.77984	2.0622	Down	Up
166	TraesCS1A03G0170700	0.90699	1.34357	No	No
167	TraesCS1A03G0170900	0.65979	0.5914	Down	Down
168	TraesCS1A03G0171300	0.87675	0.35657	Down	Down
171	TraesCS1A03G0172300	1.18429	0.64676	No	No
172	TraesCS1A03G0172500	1.53312	2.95762	Up	Up
173	TraesCS1A03G0172700	1.32726	1.91306	UP	UP
177	TraesCS1A03G0174800	1.43602	0.73471	No	No
178	TraesCS1A03G0174900	2.6578	0.95148	Up	Down
179	TraesCS1A03G0175300	0.94303	1.03755	No	No
180	TraesCS1A03G0175400	1.01458	1.03888	UP	UP
181	TraesCS1A03G0175800	1.24979	1.3129	UP	UP
182	TraesCS1A03G0176200	0.96768	6.00182	Down	Up
183	TraesCS1A03G0177500	1.34027	1.2268	UP	UP
184	TraesCS1A03G0178400	1.03017	0.66518	No	No
185	TraesCS1A03G0178600	1.60396	1.791	UP	UP

186	TraesCS1A03G0178800	2.86077	1.17366	Up	Up
187	TraesCS1A03G0179100	1.36545	0.90448	No	No
188	TraesCS1A03G0179400	0.79245	0.67401	Down	Down
189	TraesCS1A03G0180300	1.18292	0.79723	No	No
190	TraesCS1A03G0181200	1.72537	0.53673	No	No
192	TraesCS1A03G0182400	0.94718	1.42913	No	No
193	TraesCS1A03G0185500	1.0535	0.96069	No	No
194	TraesCS1A03G0185800	1.06566	1.32667	UP	UP
195	TraesCS1A03G0186000	1.31137	1.62705	UP	UP
196	TraesCS1A03G0186500	1.08765	0.66262	No	No
197	TraesCS1A03G0188200	1.17461	1.52508	UP	UP
198	TraesCS1A03G0189700	1.39637	1.0935	UP	UP
199	TraesCS1A03G0189800	1.34456	0.69998	No	No
200	TraesCS1A03G0190000	1.23647	2.36194	Up	Up
201	TraesCS1A03G0192800	1.43574	0.83469	No	No
202	TraesCS1A03G0193000	3.42025	0.43286	Up	Down
203	TraesCS1A03G0193900	0.90038	6.42712	Down	Up
204	TraesCS1A03G0193900	0.61905	1.39106	No	No
205	TraesCS1A03G0194000	0.97865	0.99998	Down	Down
206	TraesCS1A03G0194600	0.87846	0.49706	Down	Down
207	TraesCS1A03G0194800	1.74573	1.2678	UP	UP
208	TraesCS1A03G0195200	1.04352	0.43175	Up	Down
209	TraesCS1A03G0195700	0.96065	0.71113	Down	Down
210	TraesCS1A03G0197100	0.75334	3.16564	Down	Up
211	TraesCS1A03G0197600	1.15463	0.81776	No	No
212	TraesCS1A03G0197700	0.96353	0.93201	Down	Down
214	TraesCS1A03G0200200	1.10226	0.68608	No	No
215	TraesCS1A03G0200400	2.10943	1.54274	Up	Up
216	TraesCS1A03G0200700	0.59733	5.12163	Down	Up
217	TraesCS1A03G0200900	0.93454	0.97279	Down	Down
218	TraesCS1A03G0201000	1.3101	0.55937	No	No
219	TraesCS1A03G0201000	1.13891	0.94614	No	No
220	TraesCS1A03G0202600	0.81637	0.40196	Down	Down
221	TraesCS1A03G0202700	0.93206	1.31627	No	No
222	TraesCS1A03G0202800	0.99298	1.7063	No	No
224	TraesCS1A03G0204800	1.03586	0.89213	No	No
225	TraesCS1A03G0204900	0.89325	1.04401	No	No
226	TraesCS1A03G0205200	1.08329	0.27665	Up	Down
227	TraesCS1A03G0205300	1.39235	2.44616	Up	Up
228	TraesCS1A03G0205600	0.74588	1.12087	No	No
229	TraesCS1A03G0206200	1.05426	1.20764	UP	UP
230	TraesCS1A03G0207300	0.58446	1.37522	No	No
231	TraesCS1A03G0207500	0.59435	0.62224	Down	Down
232	TraesCS1A03G0207600	0.67832	1.97466	No	No
233	TraesCS1A03G0207700	1.33667	0.63115	No	No
234	TraesCS1A03G0208000	0.99697	0.49179	Down	Down
235	TraesCS1A03G0209800	1.21814	1.97757	UP	UP
236	TraesCS1A03G0209900	0.85462	0.28418	Down	Down
237	TraesCS1A03G0210300	1.06086	1.09422	UP	UP
238	TraesCS1A03G0210400	0.85025	0.70979	Down	Down
239	TraesCS1A03G0210600	0.62641	0.85795	Down	Down
240	TraesCS1A03G0210700	0.96628	3.02057	Down	Up

241	TraesCS1A03G0211100	1.27257	0.48698	Up	Down
243	TraesCS1A03G0212200	0.47587	3.04212	Down	Up
244	TraesCS1A03G0213300	1.07659	0.96461	No	No
245	TraesCS1A03G0214000	1.04945	0.99671	No	No
246	TraesCS1A03G0215100	0.7664	2.8258	Down	Up
247	TraesCS1A03G0215400	1.11949	1.0444	UP	UP
249	TraesCS1A03G0216600	0.93703	1.03871	No	No
250	TraesCS1A03G0217500	0.63469	2.59838	Down	Up
251	TraesCS1A03G0217700	0.95518	3.06338	Down	Up
252	TraesCS1A03G0217900	1.54991	0.30728	Up	Down
253	TraesCS1A03G0218100	0.95395	1.77744	No	No
254	TraesCS1A03G0218200	0.85383	0.75481	Down	Down
255	TraesCS1A03G0218400	0.8934	1.96822	No	No
256	TraesCS1A03G0219300	1.07876	0.71101	No	No
257	TraesCS1A03G0220500	0.8805	1.69745	No	No
259	TraesCS1A03G0220900	0.91911	1.22624	No	No
260	TraesCS1A03G0221000	1.17005	0.70508	No	No
261	TraesCS1A03G0221400	1.08643	0.97763	No	No
262	TraesCS1A03G0224100	1.08741	1.08766	UP	UP
264	TraesCS1A03G0224700	0.70385	1.15732	No	No
265	TraesCS1A03G0227100	0.65939	1.07193	No	No
266	TraesCS1A03G0227200	0.64098	0.57549	Down	Down
267	TraesCS1A03G0227400	0.98924	2.73505	Down	Up
270	TraesCS1A03G0230500	0.85441	1.43835	No	No
271	TraesCS1A03G0230500	1.02326	1.68817	UP	UP
272	TraesCS1A03G0230700	1.1099	0.83932	No	No
274	TraesCS1A03G0231200	1.09046	2.29063	Up	Up
275	TraesCS1A03G0231700	0.3789	0.71312	Down	Down
276	TraesCS1A03G0232100	0.64742	0.88843	Down	Down
277	TraesCS1A03G0232200	1.05901	1.05611	UP	UP
278	TraesCS1A03G0232800	0.94989	1.07933	No	No
279	TraesCS1A03G0232900	0.65576	1.58434	No	No
280	TraesCS1A03G0233400	0.96357	0.27822	Down	Down
281	TraesCS1A03G0233600	1.01917	0.93502	No	No
282	TraesCS1A03G0233800	1.55723	0.45302	Up	Down
283	TraesCS1A03G0233900	0.85715	1.47418	No	No
284	TraesCS1A03G0234400	0.83171	1.23572	No	No
285	TraesCS1A03G0234500	1.17898	0.75734	No	No
286	TraesCS1A03G0235000	0.66027	2.49171	Down	Up
287	TraesCS1A03G0240100	0.46727	13.3508	Down	Up
288	TraesCS1A03G0241000	1.15597	0.44835	Up	Down
289	TraesCS1A03G0241600	0.63076	9.83938	Down	Up
292	TraesCS1A03G0242100	1.23968	0.86421	No	No
293	TraesCS1A03G0243300	0.61665	1.72109	No	No
294	TraesCS1A03G0243600	1.02412	1.11661	UP	UP
295	TraesCS1A03G0244100	0.9253	0.73733	Down	Down
296	TraesCS1A03G0244400	0.83346	0.50028	Down	Down
298	TraesCS1A03G0244900	2.65797	0.77795	Up	Down
299	TraesCS1A03G0245600	1.34497	0.66389	No	No
300	TraesCS1A03G0245800	1.10942	1.22993	UP	UP
301	TraesCS1A03G0247100	0.84766	2.65443	Down	Up
302	TraesCS1A03G0247700	1.19441	0.95508	No	No

303	TraesCS1A03G0248900	0.95196	1.29676	No	No
304	TraesCS1A03G0249000	0.69292	1.14119	No	No
305	TraesCS1A03G0249300	1.73613	0.50518	No	No
306	TraesCS1A03G0255000	0.97873	0.30652	Down	Down
307	TraesCS1A03G0255200	0.68449	1.19807	No	No
308	TraesCS1A03G0255300	1.06936	1.08211	UP	UP
309	TraesCS1A03G0255900	0.84509	1.39899	No	No
310	TraesCS1A03G0256500	0.70175	2.29341	Down	Up
311	TraesCS1A03G0256600	0.78813	1.57235	No	No
312	TraesCS1A03G0257200	0.87457	1.3188	No	No
313	TraesCS1A03G0257900	1.1845	0.9067	No	No
314	TraesCS1A03G0258300	1.06184	2.30801	Up	Up
316	TraesCS1A03G0259500	1.18606	0.60045	No	No
317	TraesCS1A03G0259800	1.24297	0.88047	No	No
318	TraesCS1A03G0260600	0.76366	0.54993	Down	Down
319	TraesCS1A03G0261400	0.67182	0.96534	Down	Down
320	TraesCS1A03G0261500	0.3035	1.31957	Down	Up
322	TraesCS1A03G0263600	0.9488	3.69538	Down	Up
324	TraesCS1A03G0264500	0.93673	1.3986	No	No
325	TraesCS1A03G0264600	0.9234	1.88712	No	No
326	TraesCS1A03G0264900	0.82091	0.91255	Down	Down
327	TraesCS1A03G0265100	0.93597	0.81915	Down	Down
328	TraesCS1A03G0266400	0.89037	1.66742	No	No
329	TraesCS1A03G0266600	0.81791	1.12117	No	No
330	TraesCS1A03G0266700	0.92785	1.05879	No	No
331	TraesCS1A03G0267500	0.99082	0.8245	Down	Down
332	TraesCS1A03G0267900	1.04762	0.32572	Up	Down
333	TraesCS1A03G0267900	0.70141	0.30963	Down	Down
334	TraesCS1A03G0268100	0.81923	2.1404	Down	Up
335	TraesCS1A03G0268200	1.5471	0.95839	No	No
338	TraesCS1A03G0271400	0.80432	0.66992	Down	Down
339	TraesCS1A03G0271800	1.14457	0.64096	No	No
340	TraesCS1A03G0272100	0.83015	1.11019	No	No
341	TraesCS1A03G0272200	1.47607	3.13815	Up	Up
342	TraesCS1A03G0272800	1.37731	1.45295	UP	UP
343	TraesCS1A03G0273000	0.81531	0.65356	Down	Down
344	TraesCS1A03G0273100	1.15783	1.13501	UP	UP
345	TraesCS1A03G0273200	1.06595	0.98823	No	No
346	TraesCS1A03G0273400	0.9249	1.31234	No	No
347	TraesCS1A03G0273500	0.95346	1.23002	No	No
348	TraesCS1A03G0276200	0.57513	2.26765	Down	Up
349	TraesCS1A03G0277400	0.79048	1.23475	No	No
350	TraesCS1A03G0279700	1.24737	1.64482	UP	UP
351	TraesCS1A03G0279700	1.61438	1.35131	UP	UP
352	TraesCS1A03G0279800	1.14255	0.73843	No	No
353	TraesCS1A03G0280200	1.3621	2.45787	Up	Up
354	TraesCS1A03G0280800	1.20909	0.49687	Up	Down
355	TraesCS1A03G0280900	1.17928	0.8479	No	No
356	TraesCS1A03G0281400	0.81072	0.25024	Down	Down
357	TraesCS1A03G0282000	1.20481	0.67154	No	No
358	TraesCS1A03G0282800	0.95323	0.80586	Down	Down
359	TraesCS1A03G0283100	0.5634	0.82447	Down	Down

360	TraesCS1A03G0283800	1.63102	0.37841	Up	Down
361	TraesCS1A03G0284000	1.21463	1.14714	UP	UP
362	TraesCS1A03G0285300	0.60083	0.47525	Down	Down
363	TraesCS1A03G0286200	0.51971	1.88715	No	No
364	TraesCS1A03G0286300	1.32114	6.81708	Up	Up
365	TraesCS1A03G0286700	0.50523	14.7949	Down	Up
366	TraesCS1A03G0287600	1.32907	0.18806	Up	Down
368	TraesCS1A03G0290200	0.92705	1.01574	No	No
369	TraesCS1A03G0290300	0.43462	0.8704	Down	Down
371	TraesCS1A03G0290900	1.51719	1.30025	UP	UP
372	TraesCS1A03G0291600	0.86964	0.92125	Down	Down
373	TraesCS1A03G0293500	2.30782	0.41922	Up	Down
374	TraesCS1A03G0293900	2.10206	0.30531	Up	Down
375	TraesCS1A03G0294200	1.80028	1.02589	UP	UP
376	TraesCS1A03G0294600	0.76723	0.7225	Down	Down
377	TraesCS1A03G0294700	1.83154	0.49827	Up	Down
378	TraesCS1A03G0294900	0.90783	0.9051	Down	Down
379	TraesCS1A03G0295000	0.84513	1.93818	No	No
380	TraesCS1A03G0295200	0.89241	1.04449	No	No
381	TraesCS1A03G0295400	1.68142	2.22967	Up	Up
382	TraesCS1A03G0295500	0.76172	1.30174	No	No
383	TraesCS1A03G0296500	1.11082	0.37115	Up	Down
384	TraesCS1A03G0296700	0.49219	0.78729	Down	Down
385	TraesCS1A03G0297300	0.99848	0.84309	Down	Down
386	TraesCS1A03G0298500	0.63707	0.83838	Down	Down
387	TraesCS1A03G0298500	1.30725	1.34114	UP	UP
388	TraesCS1A03G0298600	1.05366	0.96909	No	No
390	TraesCS1A03G0300200	1.0798	0.18099	Up	Down
391	TraesCS1A03G0300800	1.3265	1.05003	UP	UP
392	TraesCS1A03G0302700	0.83005	6.63827	Down	Up
393	TraesCS1A03G0303800	0.94476	1.4837	No	No
394	TraesCS1A03G0304000	1.63877	1.49542	UP	UP
396	TraesCS1A03G0304700	0.64818	3.99547	Down	Up
397	TraesCS1A03G0304900	2.12243	1.83158	UP	UP
399	TraesCS1A03G0306700	0.60026	0.70117	Down	Down
400	TraesCS1A03G0309000	0.8867	0.74137	Down	Down
402	TraesCS1A03G0309300	1.14765	1.60479	UP	UP
404	TraesCS1A03G0310500	0.80187	1.42403	No	No
405	TraesCS1A03G0310800	0.70205	1.67735	No	No
406	TraesCS1A03G0311400	0.98309	0.74801	Down	Down
407	TraesCS1A03G0311800	1.39634	5.525	Up	Up
408	TraesCS1A03G0312000	0.96963	7.12954	Down	Up
409	TraesCS1A03G0312400	1.52209	3.10725	Up	Up
410	TraesCS1A03G0312900	2.27908	1.14484	Up	Up
411	TraesCS1A03G0313200	1.31173	1.61721	UP	UP
412	TraesCS1A03G0316200	0.58692	0.82468	Down	Down
413	TraesCS1A03G0316300	1.04821	0.5933	No	No
414	TraesCS1A03G0316400	0.71229	1.33562	No	No
415	TraesCS1A03G0317300	0.8909	1.41341	No	No
420	TraesCS1A03G0319000	0.99411	1.72882	No	No
421	TraesCS1A03G0319700	0.77912	0.5204	Down	Down
422	TraesCS1A03G0320300	0.97266	2.26051	Down	Up

424	TraesCS1A03G0321300	1.13645	1.58535	UP	UP
425	TraesCS1A03G0322200	0.53925	1.15326	No	No
426	TraesCS1A03G0323800	0.75294	1.18235	No	No
427	TraesCS1A03G0324000	0.73852	3.42842	Down	Up
428	TraesCS1A03G0325400	0.67629	1.26953	No	No
429	TraesCS1A03G0325800	0.6109	1.36003	No	No
430	TraesCS1A03G0326800	1.02187	0.86641	No	No
431	TraesCS1A03G0328800	1.2584	1.52858	UP	UP
434	TraesCS1A03G0329700	1.03454	1.02406	UP	UP
435	TraesCS1A03G0330400	1.34256	0.74508	No	No
436	TraesCS1A03G0331200	0.90456	0.8632	Down	Down
437	TraesCS1A03G0331200	0.73227	1.3082	No	No
441	TraesCS1A03G0331900	1.05974	0.50522	No	No
442	TraesCS1A03G0332500	0.96448	1.81373	No	No
443	TraesCS1A03G0333400	0.91484	1.06664	No	No
444	TraesCS1A03G0334100	1.14619	0.44039	Up	Down
447	TraesCS1A03G0337200	1.15012	1.29731	UP	UP
448	TraesCS1A03G0339400	0.95913	0.69508	Down	Down
449	TraesCS1A03G0341000	0.99953	1.49139	No	No
450	TraesCS1A03G0341100	1.0047	0.62758	No	No
452	TraesCS1A03G0342100	0.93436	1.2634	No	No
453	TraesCS1A03G0342300	0.94533	2.40988	Down	Up
454	TraesCS1A03G0342500	0.73662	0.8086	Down	Down
455	TraesCS1A03G0343000	0.90548	2.8308	Down	Up
457	TraesCS1A03G0346700	0.97403	0.82086	Down	Down
458	TraesCS1A03G0347000	1.1491	0.75696	No	No
462	TraesCS1A03G0348600	1.00061	0.39743	Up	Down
464	TraesCS1A03G0350800	1.04836	0.99008	No	No
466	TraesCS1A03G0352100	1.08149	0.84337	No	No
467	TraesCS1A03G0352600	0.79436	0.93498	Down	Down
468	TraesCS1A03G0352600	1.19996	0.82579	No	No
469	TraesCS1A03G0355000	1.07662	0.54884	No	No
470	TraesCS1A03G0357800	0.6063	1.26049	No	No
471	TraesCS1A03G0359000	1.49818	0.60834	No	No
472	TraesCS1A03G0359000	0.46659	1.36051	Down	Up
473	TraesCS1A03G0359500	0.92432	0.50703	Down	Down
474	TraesCS1A03G0360300	1.0856	0.69085	No	No
475	TraesCS1A03G0360600	0.83735	0.61234	Down	Down
476	TraesCS1A03G0362200	0.86048	1.26998	No	No
479	TraesCS1A03G0363000	1.00144	1.18658	UP	UP
480	TraesCS1A03G0363800	0.8716	1.12045	No	No
483	TraesCS1A03G0365600	1.03892	1.34473	UP	UP
484	TraesCS1A03G0366300	0.90363	1.32958	No	No
486	TraesCS1A03G0367400	1.28993	0.91041	No	No
487	TraesCS1A03G0367900	0.93817	2.04319	Down	Up
489	TraesCS1A03G0369600	0.97988	1.08901	No	No
491	TraesCS1A03G0370000	0.97656	1.32661	No	No
492	TraesCS1A03G0370700	0.83585	1.4379	No	No
493	TraesCS1A03G0371000	1.10795	0.96361	No	No
494	TraesCS1A03G0371500	0.76415	1.25169	No	No
495	TraesCS1A03G0371800	1.25946	1.45487	UP	UP
497	TraesCS1A03G0374000	1.12469	1.17577	UP	UP

498	TraesCS1A03G0374400	1.13313	0.76538	No	No
499	TraesCS1A03G0374600	1.45882	0.39719	Up	Down
500	TraesCS1A03G0376900	1.28954	1.25365	UP	UP
501	TraesCS1A03G0378500	0.98581	1.37099	No	No
502	TraesCS1A03G0380000	1.33619	1.06061	UP	UP
503	TraesCS1A03G0380600	0.83911	1.44383	No	No
505	TraesCS1A03G0380800	0.75507	0.50273	Down	Down
506	TraesCS1A03G0381500	1.22205	0.43611	Up	Down
507	TraesCS1A03G0381900	0.5609	0.51129	Down	Down
509	TraesCS1A03G0382100	1.2025	1.36076	UP	UP
510	TraesCS1A03G0382300	3.03396	1.46604	Up	Up
511	TraesCS1A03G0382300	0.81264	1.27444	No	No
513	TraesCS1A03G0383400	1.71583	0.9452	No	No
514	TraesCS1A03G0383500	1.64817	0.63718	No	No
516	TraesCS1A03G0384700	1.33996	2.10754	Up	Up
517	TraesCS1A03G0384900	1.07027	0.48355	Up	Down
518	TraesCS1A03G0385200	1.46158	1.50335	UP	UP
519	TraesCS1A03G0385200	0.91311	0.84583	Down	Down
521	TraesCS1A03G0386600	0.86113	0.8053	Down	Down
522	TraesCS1A03G0387000	1.2532	1.2386	UP	UP
523	TraesCS1A03G0387100	0.27575	2.07593	Down	Up
525	TraesCS1A03G0390500	1.11014	0.48528	Up	Down
526	TraesCS1A03G0390800	1.02149	0.415	Up	Down
527	TraesCS1A03G0391400	0.4191	1.60323	Down	Up
528	TraesCS1A03G0392000	0.98041	1.66863	No	No
533	TraesCS1A03G0393100	1.2603	1.72079	UP	UP
534	TraesCS1A03G0393300	1.16495	1.32162	UP	UP
535	TraesCS1A03G0393700	0.97651	1.04775	No	No
536	TraesCS1A03G0394600	1.2795	0.87792	No	No
537	TraesCS1A03G0395900	1.226	0.54819	No	No
538	TraesCS1A03G0396400	0.7438	1.37537	No	No
539	TraesCS1A03G0397200	1.46693	1.339	UP	UP
540	TraesCS1A03G0397700	0.89057	1.4572	No	No
541	TraesCS1A03G0398000	1.22391	2.37396	Up	Up
542	TraesCS1A03G0398900	0.98708	1.03158	No	No
543	TraesCS1A03G0400700	0.77422	1.72959	No	No
544	TraesCS1A03G0402000	0.83451	0.91377	Down	Down
545	TraesCS1A03G0402100	0.84392	1.09535	No	No
546	TraesCS1A03G0403100	2.23314	0.22908	Up	Down
547	TraesCS1A03G0403400	0.82522	13.2526	Down	Up
548	TraesCS1A03G0404300	1.73578	2.34279	Up	Up
549	TraesCS1A03G0404600	0.88827	0.69117	Down	Down
550	TraesCS1A03G0405700	1.06647	0.391	Up	Down
551	TraesCS1A03G0405800	1.00194	0.70809	No	No
552	TraesCS1A03G0407400	1.26081	0.92234	No	No
553	TraesCS1A03G0407700	0.85411	1.42036	No	No
556	TraesCS1A03G0409400	0.89893	0.78179	Down	Down
557	TraesCS1A03G0410200	0.67753	0.38047	Down	Down
559	TraesCS1A03G0411300	1.50369	0.5407	No	No
560	TraesCS1A03G0412000	0.85411	1.47276	No	No
561	TraesCS1A03G0412400	0.59384	2.23256	Down	Up
565	TraesCS1A03G0412800	1.29551	1.45956	UP	UP

566	TraesCS1A03G0413200	0.98969	1.10055	No	No
567	TraesCS1A03G0413800	0.63531	2.06481	Down	Up
568	TraesCS1A03G0413900	0.71317	3.19633	Down	Up
569	TraesCS1A03G0413900	1.53267	0.77231	No	No
570	TraesCS1A03G0414800	1.36188	1.13089	UP	UP
572	TraesCS1A03G0416600	0.77212	0.97598	Down	Down
573	TraesCS1A03G0417200	0.7382	1.4773	No	No
574	TraesCS1A03G0417400	0.88647	0.74255	Down	Down
575	TraesCS1A03G0418900	1.4008	1.31294	UP	UP
576	TraesCS1A03G0419500	0.88082	1.42126	No	No
577	TraesCS1A03G0419600	0.7117	2.69388	Down	Up
578	TraesCS1A03G0420500	0.96523	0.75107	Down	Down
579	TraesCS1A03G0423700	1.69762	1.26415	UP	UP
580	TraesCS1A03G0425300	0.80208	0.88201	Down	Down
581	TraesCS1A03G0425600	0.92616	1.1543	No	No
583	TraesCS1A03G0425900	1.35046	3.85347	Up	Up
584	TraesCS1A03G0426100	1.1842	0.36056	Up	Down
585	TraesCS1A03G0426600	1.2559	3.57373	Up	Up
586	TraesCS1A03G0427800	0.9479	1.5762	No	No
587	TraesCS1A03G0427900	1.23675	0.19845	Up	Down
588	TraesCS1A03G0427900	0.77257	1.99138	No	No
589	TraesCS1A03G0428100	1.00234	1.36534	UP	UP
590	TraesCS1A03G0428200	2.16671	1.45795	Up	Up
591	TraesCS1A03G0428400	0.74306	2.53059	Down	Up
593	TraesCS1A03G0428600	0.48682	0.74448	Down	Down
594	TraesCS1A03G0428800	0.50174	1.18984	No	No
595	TraesCS1A03G0429000	0.62129	1.19895	No	No
596	TraesCS1A03G0429400	0.76199	1.03532	No	No
597	TraesCS1A03G0429500	0.93595	1.3115	No	No
598	TraesCS1A03G0429600	1.02232	0.97734	No	No
599	TraesCS1A03G0432800	0.91461	1.65188	No	No
600	TraesCS1A03G0432900	0.91779	0.80696	Down	Down
601	TraesCS1A03G0433600	1.103	1.19921	UP	UP
602	TraesCS1A03G0434100	1.39908	1.84494	UP	UP
603	TraesCS1A03G0434800	0.5688	1.53744	No	No
604	TraesCS1A03G0435700	1.3161	1.49859	UP	UP
605	TraesCS1A03G0437000	0.68036	3.27211	Down	Up
606	TraesCS1A03G0438300	1.16683	1.80066	UP	UP
607	TraesCS1A03G0438500	0.78958	2.14944	Down	Up
609	TraesCS1A03G0439700	1.35578	0.53596	No	No
610	TraesCS1A03G0440600	0.60206	1.81813	No	No
611	TraesCS1A03G0441900	0.74309	1.38171	No	No
612	TraesCS1A03G0442400	0.79734	1.42312	No	No
613	TraesCS1A03G0442700	1.22997	0.59032	No	No
616	TraesCS1A03G0444900	0.88332	0.87013	Down	Down
617	TraesCS1A03G0445000	0.76795	1.26874	No	No
619	TraesCS1A03G0445600	1.18892	1.35816	UP	UP
620	TraesCS1A03G0445800	0.97769	1.00053	No	No
621	TraesCS1A03G0447000	1.37909	2.98959	Up	Up
622	TraesCS1A03G0447200	1.01532	0.59835	No	No
623	TraesCS1A03G0447700	1.2676	1.09537	UP	UP
624	TraesCS1A03G0447800	0.83204	1.12018	No	No

625	TraesCS1A03G0448400	0.98801	0.70351	Down	Down
626	TraesCS1A03G0448700	3.67131	1.14174	Up	Up
627	TraesCS1A03G0448800	1.18685	1.01276	UP	UP
630	TraesCS1A03G0449900	0.60947	0.32156	Down	Down
631	TraesCS1A03G0450000	0.89167	0.62197	Down	Down
632	TraesCS1A03G0450100	1.50091	1.15253	UP	UP
633	TraesCS1A03G0450100	1.71711	2.04741	UP	UP
634	TraesCS1A03G0450700	0.49742	4.4187	Down	Up
635	TraesCS1A03G0450800	0.60133	4.52631	Down	Up
636	TraesCS1A03G0451400	4.87526	1.72383	Up	Up
637	TraesCS1A03G0451800	0.94347	2.45326	Down	Up
638	TraesCS1A03G0452600	1.03196	1.61713	UP	UP
639	TraesCS1A03G0452700	1.0407	0.59829	No	No
640	TraesCS1A03G0452800	0.61541	0.97232	Down	Down
641	TraesCS1A03G0453100	1.06253	2.18519	Up	Up
643	TraesCS1A03G0454100	2.03072	1.08178	Up	Up
645	TraesCS1A03G0454700	1.1875	0.43612	Up	Down
646	TraesCS1A03G0455700	0.86534	1.67879	No	No
647	TraesCS1A03G0455800	0.81095	1.32361	No	No
648	TraesCS1A03G0455900	0.97011	1.00757	No	No
649	TraesCS1A03G0456200	0.78687	0.57203	Down	Down
650	TraesCS1A03G0457400	1.1124	1.1466	UP	UP
651	TraesCS1A03G0459500	0.93007	2.73215	Down	Up
652	TraesCS1A03G0459800	1.78423	0.40736	Up	Down
653	TraesCS1A03G0459900	0.86696	1.30788	No	No
654	TraesCS1A03G0460000	1.01599	1.14002	UP	UP
655	TraesCS1A03G0460400	0.64936	0.65257	Down	Down
657	TraesCS1A03G0460600	0.62898	1.31734	No	No
658	TraesCS1A03G0460600	1.00724	0.83703	No	No
659	TraesCS1A03G0461200	0.89659	3.8709	Down	Up
660	TraesCS1A03G0461300	0.78407	0.36955	Down	Down
661	TraesCS1A03G0461600	0.999	0.69552	Down	Down
662	TraesCS1A03G0461700	0.85319	0.58532	Down	Down
663	TraesCS1A03G0462200	0.81728	4.37574	Down	Up
664	TraesCS1A03G0462600	0.41941	0.6056	Down	Down
665	TraesCS1A03G0462800	0.79245	1.38771	No	No
666	TraesCS1A03G0463800	0.80395	0.66454	Down	Down
667	TraesCS1A03G0464100	1.13473	1.51275	UP	UP
670	TraesCS1A03G0465100	0.9447	0.36834	Down	Down
672	TraesCS1A03G0465400	1.5824	0.6044	No	No
674	TraesCS1A03G0465800	0.84868	0.78085	Down	Down
675	TraesCS1A03G0466200	0.70785	2.71603	Down	Up
676	TraesCS1A03G0466600	0.78919	0.80276	Down	Down
677	TraesCS1A03G0468100	0.97163	0.39942	Down	Down
678	TraesCS1A03G0468700	0.42374	1.80001	Down	Up
679	TraesCS1A03G0469000	0.4603	2.87867	Down	Up
680	TraesCS1A03G0471200	1.13737	1.09637	UP	UP
681	TraesCS1A03G0471300	1.94382	0.13559	Up	Down
682	TraesCS1A03G0472600	0.92125	0.21752	Down	Down
684	TraesCS1A03G0473800	1.11666	0.8083	No	No
685	TraesCS1A03G0473900	0.9488	0.64781	Down	Down
686	TraesCS1A03G0474000	0.80673	1.00109	No	No

687	TraesCS1A03G0474600	0.60367	1.65232	No	No
688	TraesCS1A03G0475600	0.81006	0.67178	Down	Down
689	TraesCS1A03G0475600	1.29649	1.24238	UP	UP
690	TraesCS1A03G0478900	1.285	0.81133	No	No
691	TraesCS1A03G0479200	1.06428	0.95394	No	No
692	TraesCS1A03G0480300	0.83295	3.11394	Down	Up
694	TraesCS1A03G0481600	1.0373	0.5742	No	No
695	TraesCS1A03G0482200	1.29515	1.08596	UP	UP
696	TraesCS1A03G0482300	1.01177	1.09509	UP	UP
697	TraesCS1A03G0483200	1.0964	0.84815	No	No
698	TraesCS1A03G0483700	1.0326	1.54889	UP	UP
699	TraesCS1A03G0484600	3.12956	0.84118	Up	Down
700	TraesCS1A03G0484700	0.96825	0.36927	Down	Down
701	TraesCS1A03G0484800	0.98761	2.89438	Down	Up
702	TraesCS1A03G0484900	1.2354	0.39401	Up	Down
703	TraesCS1A03G0486000	1.09307	2.37925	Up	Up
704	TraesCS1A03G0486200	0.86257	2.08628	Down	Up
705	TraesCS1A03G0486400	0.79384	1.37895	No	No
706	TraesCS1A03G0487400	1.179	0.68414	No	No
707	TraesCS1A03G0488800	0.98817	1.97948	No	No
708	TraesCS1A03G0488900	0.73001	1.1446	No	No
709	TraesCS1A03G0489000	1.04406	1.17617	UP	UP
710	TraesCS1A03G0489900	1.25987	1.02212	UP	UP
711	TraesCS1A03G0490000	0.97384	1.54319	No	No
712	TraesCS1A03G0490100	0.79406	1.84837	No	No
713	TraesCS1A03G0490400	0.85523	0.94679	Down	Down
714	TraesCS1A03G0490900	1.20007	2.45469	Up	Up
715	TraesCS1A03G0491000	0.78751	1.26324	No	No
716	TraesCS1A03G0491400	0.4088	4.38602	Down	Up
717	TraesCS1A03G0491900	0.81548	1.70557	No	No
718	TraesCS1A03G0492000	1.1344	1.44809	UP	UP
719	TraesCS1A03G0492100	0.93773	1.06353	No	No
720	TraesCS1A03G0493700	1.06012	0.64817	No	No
721	TraesCS1A03G0494500	1.25819	0.89694	No	No
722	TraesCS1A03G0494600	0.97271	0.88035	Down	Down
723	TraesCS1A03G0494600	0.62202	2.00369	Down	Up
725	TraesCS1A03G0494900	1.15511	1.10458	UP	UP
727	TraesCS1A03G0497100	1.04949	1.39908	UP	UP
728	TraesCS1A03G0497600	0.55473	1.83412	No	No
729	TraesCS1A03G0497900	0.85711	2.06974	Down	Up
730	TraesCS1A03G0498700	0.6855	2.59728	Down	Up
731	TraesCS1A03G0499400	1.25051	0.88947	No	No
734	TraesCS1A03G0500900	3.32924	0.5497	Up	Down
735	TraesCS1A03G0501200	0.85523	1.34713	No	No
736	TraesCS1A03G0501600	5.06016	1.61298	Up	Up
737	TraesCS1A03G0501800	2.93038	1.53142	Up	Up
738	TraesCS1A03G0501900	19.7801	0.75507	Up	Down
739	TraesCS1A03G0502000	4.64131	0.91262	Up	Down
740	TraesCS1A03G0502600	0.84135	1.18122	No	No
741	TraesCS1A03G0502800	1.78813	2.90506	Up	Up
742	TraesCS1A03G0503700	0.95487	1.5229	No	No
743	TraesCS1A03G0504600	0.85807	1.91009	No	No

744	TraesCS1A03G0505200	1.01141	1.75134	UP	UP
745	TraesCS1A03G0505600	0.89168	0.50945	Down	Down
746	TraesCS1A03G0505800	1.24023	1.11455	UP	UP
748	TraesCS1A03G0506600	0.9318	1.06925	No	No
749	TraesCS1A03G0507300	0.80352	1.05163	No	No
750	TraesCS1A03G0507400	0.49391	0.72674	Down	Down
751	TraesCS1A03G0508100	0.72668	0.61206	Down	Down
752	TraesCS1A03G0508700	0.85378	1.20883	No	No
753	TraesCS1A03G0508800	2.39544	0.31949	Up	Down
756	TraesCS1A03G0509500	0.81081	0.80695	Down	Down
757	TraesCS1A03G0511000	0.75643	2.68685	Down	Up
759	TraesCS1A03G0511500	1.28581	0.82419	No	No
760	TraesCS1A03G0511700	1.02827	0.92554	No	No
761	TraesCS1A03G0511800	1.45749	1.59276	UP	UP
762	TraesCS1A03G0513100	1.09711	0.42302	Up	Down
763	TraesCS1A03G0513200	1.03275	1.47394	UP	UP
764	TraesCS1A03G0514200	0.67932	1.28053	No	No
765	TraesCS1A03G0514800	1.08629	1.5079	UP	UP
766	TraesCS1A03G0515200	0.95403	0.67623	Down	Down
767	TraesCS1A03G0515400	0.92043	0.97437	Down	Down
768	TraesCS1A03G0515500	1.05151	1.51935	UP	UP
769	TraesCS1A03G0515800	0.84304	1.48205	No	No
770	TraesCS1A03G0516000	0.63541	1.30224	No	No
771	TraesCS1A03G0516700	1.04036	4.15957	Up	Up
772	TraesCS1A03G0517100	0.78916	1.10398	No	No
773	TraesCS1A03G0517900	0.6439	1.73459	No	No
774	TraesCS1A03G0518300	0.96687	0.83725	Down	Down
777	TraesCS1A03G0519800	0.8913	0.41218	Down	Down
778	TraesCS1A03G0519900	1.22013	0.98483	No	No
779	TraesCS1A03G0520400	1.00169	2.31456	Up	Up
780	TraesCS1A03G0520500	0.8053	1.08368	No	No
781	TraesCS1A03G0520700	0.89954	0.55196	Down	Down
784	TraesCS1A03G0521700	0.62623	1.59273	No	No
785	TraesCS1A03G0521800	0.6711	1.00875	No	No
786	TraesCS1A03G0521900	0.65894	1.97594	No	No
787	TraesCS1A03G0522900	1.19025	0.88902	No	No
788	TraesCS1A03G0523000	1.20161	0.56006	No	No
789	TraesCS1A03G0523200	1.3633	0.96939	No	No
790	TraesCS1A03G0524200	0.85401	1.49222	No	No
791	TraesCS1A03G0524400	0.99013	0.81374	Down	Down
792	TraesCS1A03G0524500	0.95076	1.55854	No	No
793	TraesCS1A03G0525100	0.77159	1.70577	No	No
794	TraesCS1A03G0525100	1.41017	2.06426	Up	Up
795	TraesCS1A03G0525200	0.56806	1.58745	No	No
796	TraesCS1A03G0526300	0.86413	12.3372	Down	Up
797	TraesCS1A03G0526600	1.37667	1.50062	UP	UP
798	TraesCS1A03G0527300	0.97095	1.18956	No	No
799	TraesCS1A03G0528100	0.6646	0.24633	Down	Down
800	TraesCS1A03G0528200	1.09581	1.42769	UP	UP
801	TraesCS1A03G0528800	0.99347	0.79537	Down	Down
802	TraesCS1A03G0528900	1.01328	1.38612	UP	UP
803	TraesCS1A03G0529100	0.80738	1.06369	No	No

804	TraesCS1A03G0529300	1.01139	1.05587	UP	UP
805	TraesCS1A03G0529400	1.3141	1.01146	UP	UP
806	TraesCS1A03G0529800	0.9856	1.25675	No	No
807	TraesCS1A03G0529900	1.19998	0.46166	Up	Down
808	TraesCS1A03G0530000	1.0487	1.06119	UP	UP
809	TraesCS1A03G0530200	0.97558	1.38997	No	No
810	TraesCS1A03G0530600	0.70227	0.6042	Down	Down
811	TraesCS1A03G0530700	0.7138	2.48757	Down	Up
813	TraesCS1A03G0531000	0.9815	0.52731	Down	Down
814	TraesCS1A03G0531100	0.7292	3.89357	Down	Up
815	TraesCS1A03G0532400	0.70144	8.85212	Down	Up
816	TraesCS1A03G0533000	0.99284	1.56574	No	No
817	TraesCS1A03G0533300	0.57496	1.36447	No	No
818	TraesCS1A03G0533300	0.66977	1.6437	No	No
819	TraesCS1A03G0534000	0.87805	0.70173	Down	Down
820	TraesCS1A03G0536900	0.80944	1.78497	No	No
821	TraesCS1A03G0538100	1.12455	0.84499	No	No
823	TraesCS1A03G0538700	1.15869	1.30877	UP	UP
825	TraesCS1A03G0538900	1.07098	0.50866	No	No
826	TraesCS1A03G0539100	0.66406	1.71303	No	No
827	TraesCS1A03G0539600	1.34459	0.61758	No	No
828	TraesCS1A03G0540000	1.26776	1.74127	UP	UP
829	TraesCS1A03G0541300	0.77772	1.25704	No	No
830	TraesCS1A03G0541600	1.32445	1.11284	UP	UP
831	TraesCS1A03G0542000	0.87909	1.63576	No	No
834	TraesCS1A03G0542400	0.48334	11.699	Down	Up
835	TraesCS1A03G0542500	2.10132	11.5836	Up	Up
836	TraesCS1A03G0544000	0.90886	0.36614	Down	Down
837	TraesCS1A03G0544100	1.05848	1.16312	UP	UP
838	TraesCS1A03G0546000	1.44651	1.93888	UP	UP
839	TraesCS1A03G0546100	0.96789	0.88555	Down	Down
840	TraesCS1A03G0546300	1.20955	0.90172	No	No
841	TraesCS1A03G0546600	1.30097	0.55779	No	No
843	TraesCS1A03G0547200	0.72985	1.78413	No	No
844	TraesCS1A03G0547700	1.42769	0.52165	No	No
845	TraesCS1A03G0547800	1.09144	1.84606	UP	UP
846	TraesCS1A03G0547900	1.28864	7.47802	Up	Up
847	TraesCS1A03G0548300	0.74822	0.51511	Down	Down
848	TraesCS1A03G0548300	1.33268	0.73701	No	No
849	TraesCS1A03G0548400	1.2409	1.94728	UP	UP
851	TraesCS1A03G0550100	1.1393	0.83889	No	No
852	TraesCS1A03G0550500	0.52264	9.11012	Down	Up
853	TraesCS1A03G0551200	0.8553	0.62608	Down	Down
854	TraesCS1A03G0551300	0.86109	1.06473	No	No
855	TraesCS1A03G0551400	0.97141	0.75185	Down	Down
856	TraesCS1A03G0552200	1.14057	9.68248	Up	Up
858	TraesCS1A03G0554200	0.7046	1.46869	No	No
859	TraesCS1A03G0554900	0.79534	0.72698	Down	Down
860	TraesCS1A03G0555200	0.76376	1.74023	No	No
861	TraesCS1A03G0555600	0.64405	1.85665	No	No
862	TraesCS1A03G0555700	1.32246	0.77297	No	No
863	TraesCS1A03G0556000	0.70544	1.76476	No	No

864	TraesCS1A03G0557400	1.07127	0.22964	Up	Down
865	TraesCS1A03G0560100	1.00519	1.62475	UP	UP
866	TraesCS1A03G0560400	0.62122	2.51277	Down	Up
867	TraesCS1A03G0560800	1.03209	0.53457	No	No
868	TraesCS1A03G0560900	0.8842	1.36633	No	No
869	TraesCS1A03G0561200	1.04187	1.49224	UP	UP
870	TraesCS1A03G0561300	0.85143	1.10749	No	No
872	TraesCS1A03G0561600	0.92839	1.24774	No	No
874	TraesCS1A03G0562200	0.98759	1.52562	No	No
876	TraesCS1A03G0563200	1.36659	0.80882	No	No
877	TraesCS1A03G0565000	0.72928	1.20881	No	No
879	TraesCS1A03G0567100	0.86668	0.89994	Down	Down
880	TraesCS1A03G0568200	1.29734	0.77212	No	No
881	TraesCS1A03G0568300	1.02175	1.78624	UP	UP
882	TraesCS1A03G0568600	0.84109	3.06388	Down	Up
884	TraesCS1A03G0568800	1.01853	0.94075	No	No
885	TraesCS1A03G0568900	1.05565	1.56829	UP	UP
887	TraesCS1A03G0569500	1.02115	0.92595	No	No
890	TraesCS1A03G0571700	2.40024	0.93904	Up	Down
891	TraesCS1A03G0571800	0.8071	1.29499	No	No
892	TraesCS1A03G0571900	0.93537	1.03968	No	No
893	TraesCS1A03G0572300	1.24403	17.9761	Up	Up
894	TraesCS1A03G0572400	0.54335	0.88937	Down	Down
895	TraesCS1A03G0572600	1.01425	0.7401	No	No
896	TraesCS1A03G0573400	1.27054	2.15039	Up	Up
897	TraesCS1A03G0573800	1.16458	0.71661	No	No
898	TraesCS1A03G0574000	1.0928	5.45534	Up	Up
899	TraesCS1A03G0574500	1.60387	3.3023	Up	Up
900	TraesCS1A03G0575100	0.72392	0.67224	Down	Down
901	TraesCS1A03G0575400	1.00499	1.07569	UP	UP
902	TraesCS1A03G0575600	1.07359	1.01245	UP	UP
904	TraesCS1A03G0576000	0.7854	0.97554	Down	Down
905	TraesCS1A03G0576200	0.97927	0.62285	Down	Down
906	TraesCS1A03G0577200	1.17247	1.89659	UP	UP
907	TraesCS1A03G0578400	0.96534	0.51634	Down	Down
908	TraesCS1A03G0578800	0.73377	5.34226	Down	Up
909	TraesCS1A03G0578900	1.18022	1.50892	UP	UP
910	TraesCS1A03G0579500	0.59467	2.13361	Down	Up
911	TraesCS1A03G0580000	0.8698	1.59877	No	No
912	TraesCS1A03G0580200	1.11576	1.94554	UP	UP
913	TraesCS1A03G0581700	1.12453	1.40164	UP	UP
914	TraesCS1A03G0583300	0.64301	1.35281	No	No
915	TraesCS1A03G0583500	0.9841	0.36106	Down	Down
916	TraesCS1A03G0583700	1.03705	1.20531	UP	UP
918	TraesCS1A03G0584300	1.39741	0.48531	Up	Down
919	TraesCS1A03G0584500	0.66579	0.66879	Down	Down
920	TraesCS1A03G0585600	1.20756	1.17558	UP	UP
921	TraesCS1A03G0585700	0.81367	1.1571	No	No
922	TraesCS1A03G0585800	0.96247	0.91553	Down	Down
923	TraesCS1A03G0585900	0.72235	0.86135	Down	Down
924	TraesCS1A03G0587300	1.16446	0.50539	No	No
925	TraesCS1A03G0587600	0.66164	0.82634	Down	Down

926	TraesCS1A03G0587800	1.1446	0.87609	No	No
927	TraesCS1A03G0588000	1.63818	1.84984	UP	UP
928	TraesCS1A03G0588700	0.7915	0.75195	Down	Down
929	TraesCS1A03G0589700	1.26597	0.68212	No	No
930	TraesCS1A03G0590000	0.92532	0.87055	Down	Down
931	TraesCS1A03G0590100	0.36475	1.57335	Down	Up
932	TraesCS1A03G0591300	1.64066	1.64972	UP	UP
933	TraesCS1A03G0591500	0.90795	1.83371	No	No
934	TraesCS1A03G0591800	1.29174	1.09888	UP	UP
935	TraesCS1A03G0591800	1.09624	0.35525	Up	Down
936	TraesCS1A03G0592000	1.02379	3.17479	Up	Up
938	TraesCS1A03G0592800	1.25641	0.82989	No	No
940	TraesCS1A03G0593300	1.0424	0.50003	No	No
941	TraesCS1A03G0593600	0.63479	1.08719	No	No
942	TraesCS1A03G0593700	1.25148	1.84033	UP	UP
943	TraesCS1A03G0595600	1.79307	0.98532	No	No
944	TraesCS1A03G0595800	0.61849	0.68584	Down	Down
946	TraesCS1A03G0597000	1.0209	0.74565	No	No
947	TraesCS1A03G0597200	1.19477	0.40447	Up	Down
948	TraesCS1A03G0597500	1.17689	1.05953	UP	UP
949	TraesCS1A03G0597600	0.9399	1.3626	No	No
950	TraesCS1A03G0598600	0.91179	5.48284	Down	Up
951	TraesCS1A03G0599100	1.0659	2.95649	Up	Up
952	TraesCS1A03G0599900	0.42686	0.92489	Down	Down
953	TraesCS1A03G0600400	1.42238	0.97123	No	No
957	TraesCS1A03G0605200	0.73799	3.65793	Down	Up
958	TraesCS1A03G0605500	0.98855	0.76173	Down	Down
959	TraesCS1A03G0605700	1.03763	1.17581	UP	UP
960	TraesCS1A03G0606500	0.93458	1.37039	No	No
961	TraesCS1A03G0607800	0.79619	1.39203	No	No
962	TraesCS1A03G0607800	0.78975	1.84844	No	No
963	TraesCS1A03G0608100	1.42659	0.27015	Up	Down
964	TraesCS1A03G0608300	0.60231	0.33159	Down	Down
966	TraesCS1A03G0610200	0.94538	0.77349	Down	Down
967	TraesCS1A03G0612400	1.13571	1.15655	UP	UP
968	TraesCS1A03G0612500	0.81887	1.70638	No	No
970	TraesCS1A03G0613200	2.56599	0.56142	Up	Down
971	TraesCS1A03G0613700	0.76705	2.13771	Down	Up
972	TraesCS1A03G0615200	0.80257	0.49424	Down	Down
973	TraesCS1A03G0615300	1.10634	0.93353	No	No
974	TraesCS1A03G0615700	0.98148	0.83087	Down	Down
975	TraesCS1A03G0615800	0.82004	1.41864	No	No
976	TraesCS1A03G0617500	0.63683	1.69837	No	No
977	TraesCS1A03G0617700	1.04667	1.34503	UP	UP
978	TraesCS1A03G0619000	1.2068	0.56539	No	No
980	TraesCS1A03G0621200	1.52317	1.22552	UP	UP
981	TraesCS1A03G0622000	1.43102	1.97982	UP	UP
982	TraesCS1A03G0622400	1.00449	0.22801	Up	Down
983	TraesCS1A03G0622500	1.11605	0.56435	No	No
984	TraesCS1A03G0622900	0.7426	3.82195	Down	Up
985	TraesCS1A03G0623200	0.36317	0.98462	Down	Down
986	TraesCS1A03G0623300	0.98391	0.58151	Down	Down

987	TraesCS1A03G0623400	0.71003	2.19941	Down	Up
989	TraesCS1A03G0623600	0.94309	1.48598	No	No
990	TraesCS1A03G0623900	0.77779	1.15309	No	No
991	TraesCS1A03G0624800	1.02781	0.90053	No	No
992	TraesCS1A03G0625600	1.22691	0.63114	No	No
993	TraesCS1A03G0626000	0.99568	1.45277	No	No
994	TraesCS1A03G0626800	1.01015	0.95076	No	No
995	TraesCS1A03G0627000	0.98268	0.457	Down	Down
996	TraesCS1A03G0627800	1.21746	0.943	No	No
998	TraesCS1A03G0628300	1.04907	1.14721	UP	UP
999	TraesCS1A03G0628800	1.43679	1.82283	UP	UP
1000	TraesCS1A03G0628900	0.73552	1.28901	No	No
1001	TraesCS1A03G0629600	0.95907	1.07284	No	No
1002	TraesCS1A03G0630100	0.89526	0.49584	Down	Down
1003	TraesCS1A03G0630900	0.63799	4.19534	Down	Up
1005	TraesCS1A03G0631400	0.93147	2.27639	Down	Up
1007	TraesCS1A03G0632000	1.58287	1.56884	UP	UP
1008	TraesCS1A03G0632600	1.04653	1.52646	UP	UP
1009	TraesCS1A03G0634200	1.13487	1.22257	UP	UP
1010	TraesCS1A03G0634500	0.8541	1.75785	No	No
1014	TraesCS1A03G0637300	0.91752	2.0068	Down	Up
1015	TraesCS1A03G0637400	0.74699	4.28077	Down	Up
1016	TraesCS1A03G0637500	0.93082	2.21171	Down	Up
1017	TraesCS1A03G0638000	1.01475	1.06451	UP	UP
1018	TraesCS1A03G0638100	0.77126	0.69798	Down	Down
1019	TraesCS1A03G0638500	0.71298	2.13096	Down	Up
1020	TraesCS1A03G0639500	1.16	0.43911	Up	Down
1021	TraesCS1A03G0640000	0.88401	0.7566	Down	Down
1023	TraesCS1A03G0642300	1.08968	0.55769	No	No
1024	TraesCS1A03G0642700	1.22861	1.72562	UP	UP
1025	TraesCS1A03G0642800	1.46773	0.13198	Up	Down
1027	TraesCS1A03G0643000	0.96335	1.36605	No	No
1028	TraesCS1A03G0643900	0.58641	0.87484	Down	Down
1029	TraesCS1A03G0644400	1.03001	1.71806	UP	UP
1030	TraesCS1A03G0644900	1.09048	0.83898	No	No
1031	TraesCS1A03G0645400	1.09958	1.11887	UP	UP
1032	TraesCS1A03G0645500	0.82912	1.16571	No	No
1033	TraesCS1A03G0645900	1.05018	0.35148	Up	Down
1034	TraesCS1A03G0646500	1.13087	0.1412	Up	Down
1035	TraesCS1A03G0646700	0.53831	1.94966	No	No
1036	TraesCS1A03G0646900	0.72613	1.84332	No	No
1037	TraesCS1A03G0647900	1.36544	0.9214	No	No
1038	TraesCS1A03G0648000	0.78983	0.94477	Down	Down
1039	TraesCS1A03G0648100	1.12665	0.88751	No	No
1041	TraesCS1A03G0648400	1.19168	0.53803	No	No
1042	TraesCS1A03G0648800	1.09771	0.36643	Up	Down
1043	TraesCS1A03G0648800	1.48829	0.40799	Up	Down
1044	TraesCS1A03G0648900	0.80461	0.95768	Down	Down
1045	TraesCS1A03G0649000	0.75933	1.47219	No	No
1046	TraesCS1A03G0649100	0.64154	1.51291	No	No
1047	TraesCS1A03G0649600	0.73198	1.64077	No	No
1048	TraesCS1A03G0650100	0.66099	1.41111	No	No

1049	TraesCS1A03G0650400	0.90885	0.36741	Down	Down
1050	TraesCS1A03G0650500	1.09677	0.79587	No	No
1051	TraesCS1A03G0650600	0.63105	2.61376	Down	Up
1052	TraesCS1A03G0650800	1.1002	0.62722	No	No
1053	TraesCS1A03G0650800	0.83985	0.29131	Down	Down
1054	TraesCS1A03G0651100	0.85001	0.83468	Down	Down
1058	TraesCS1A03G0652400	1.02609	0.73555	No	No
1059	TraesCS1A03G0653000	0.53125	2.73278	Down	Up
1060	TraesCS1A03G0653100	1.01336	0.32792	Up	Down
1061	TraesCS1A03G0653200	1.02149	2.34891	Up	Up
1062	TraesCS1A03G0653300	1.0127	0.73366	No	No
1063	TraesCS1A03G0653600	0.96285	0.54791	Down	Down
1064	TraesCS1A03G0655700	1.42281	1.16753	UP	UP
1065	TraesCS1A03G0655800	0.66927	1.76152	No	No
1067	TraesCS1A03G0656200	1.13078	1.32468	UP	UP
1068	TraesCS1A03G0656400	0.97407	1.57853	No	No
1069	TraesCS1A03G0657000	0.45456	0.31693	Down	Down
1070	TraesCS1A03G0657200	0.85705	1.00763	No	No
1071	TraesCS1A03G0657800	1.033	3.36896	Up	Up
1072	TraesCS1A03G0657800	1.0724	0.84271	No	No
1073	TraesCS1A03G0657900	1.35106	0.94603	No	No
1074	TraesCS1A03G0657900	1.39577	1.78153	UP	UP
1077	TraesCS1A03G0659500	0.26909	0.78386	Down	Down
1078	TraesCS1A03G0659700	0.76099	0.99859	Down	Down
1079	TraesCS1A03G0660000	1.08769	2.96532	Up	Up
1080	TraesCS1A03G0660500	0.2066	3.11425	Down	Up
1081	TraesCS1A03G0661200	0.82223	1.93311	No	No
1082	TraesCS1A03G0661500	0.37889	0.35	Down	Down
1083	TraesCS1A03G0661600	0.86598	1.14625	No	No
1084	TraesCS1A03G0661700	1.08079	0.86162	No	No
1085	TraesCS1A03G0662000	0.67742	0.53395	Down	Down
1086	TraesCS1A03G0662500	1.02545	0.75789	No	No
1087	TraesCS1A03G0663000	0.42293	2.37806	Down	Up
1088	TraesCS1A03G0663200	0.97648	1.99041	No	No
1089	TraesCS1A03G0663300	0.75235	0.41161	Down	Down
1090	TraesCS1A03G0663500	0.88352	2.06679	Down	Up
1091	TraesCS1A03G0663600	1.53908	1.72503	UP	UP
1092	TraesCS1A03G0663800	1.28394	1.29936	UP	UP
1093	TraesCS1A03G0664000	0.84604	2.50912	Down	Up
1094	TraesCS1A03G0664100	0.85541	2.06355	Down	Up
1095	TraesCS1A03G0664300	0.80447	0.60286	Down	Down
1099	TraesCS1A03G0666000	0.95569	0.95069	Down	Down
1100	TraesCS1A03G0666400	1.09067	1.23252	UP	UP
1101	TraesCS1A03G0666500	1.48213	0.7983	No	No
1102	TraesCS1A03G0666500	1.0203	0.72061	No	No
1103	TraesCS1A03G0667200	1.42637	2.39567	Up	Up
1104	TraesCS1A03G0667700	0.74564	1.01423	No	No
1105	TraesCS1A03G0667800	0.9104	1.0958	No	No
1106	TraesCS1A03G0668200	0.34948	7.9954	Down	Up
1107	TraesCS1A03G0668700	2.25766	0.82068	Up	Down
1108	TraesCS1A03G0669200	1.22278	0.48494	Up	Down
1109	TraesCS1A03G0669300	0.95668	1.05234	No	No

1110	TraesCS1A03G0669400	0.82875	1.89993	No	No
1111	TraesCS1A03G0669500	0.61608	1.20428	No	No
1112	TraesCS1A03G0669900	0.79084	1.33974	No	No
1113	TraesCS1A03G0670100	1.26821	1.1342	UP	UP
1114	TraesCS1A03G0670500	1.53136	1.20662	UP	UP
1115	TraesCS1A03G0671100	0.61986	0.92341	Down	Down
1116	TraesCS1A03G0671300	1.21894	0.82998	No	No
1117	TraesCS1A03G0671500	0.65828	2.71547	Down	Up
1118	TraesCS1A03G0672400	4.22716	0.70038	Up	Down
1119	TraesCS1A03G0672800	0.88164	2.93494	Down	Up
1120	TraesCS1A03G0673200	0.72059	0.862	Down	Down
1121	TraesCS1A03G0673800	0.39954	0.7801	Down	Down
1122	TraesCS1A03G0674000	0.93557	1.28724	No	No
1123	TraesCS1A03G0674400	1.47833	0.42329	Up	Down
1124	TraesCS1A03G0674900	1.99109	0.78509	No	No
1126	TraesCS1A03G0676100	0.89552	3.05366	Down	Up
1127	TraesCS1A03G0676500	7.80663	4.47411	Up	Up
1128	TraesCS1A03G0677300	1.06959	0.73821	No	No
1129	TraesCS1A03G0677300	1.76703	1.91344	UP	UP
1130	TraesCS1A03G0677600	1.07576	1.00963	UP	UP
1131	TraesCS1A03G0678900	1.1719	1.54329	UP	UP
1133	TraesCS1A03G0679600	0.91022	1.42991	No	No
1134	TraesCS1A03G0681600	0.81561	0.35585	Down	Down
1135	TraesCS1A03G0681700	1.4184	0.22327	Up	Down
1136	TraesCS1A03G0681800	1.24987	0.3866	Up	Down
1137	TraesCS1A03G0681800	1.16156	0.17166	Up	Down
1138	TraesCS1A03G0682400	0.98818	1.84193	No	No
1139	TraesCS1A03G0682500	0.94686	0.4708	Down	Down
1140	TraesCS1A03G0683200	1.17129	1.2885	UP	UP
1141	TraesCS1A03G0683400	0.7815	2.8172	Down	Up
1142	TraesCS1A03G0683800	1.25823	0.70965	No	No
1143	TraesCS1A03G0684700	1.18888	1.08992	UP	UP
1144	TraesCS1A03G0684800	1.61452	1.25612	UP	UP
1145	TraesCS1A03G0685100	0.7587	1.81344	No	No
1146	TraesCS1A03G0685200	1.08999	1.496	UP	UP
1147	TraesCS1A03G0685300	1.23685	1.82687	UP	UP
1148	TraesCS1A03G0685400	0.5855	1.61831	No	No
1149	TraesCS1A03G0685700	0.49658	13.4051	Down	Up
1150	TraesCS1A03G0686900	0.72264	1.55117	No	No
1151	TraesCS1A03G0687700	1.16051	1.70477	UP	UP
1152	TraesCS1A03G0688000	0.65805	4.23886	Down	Up
1153	TraesCS1A03G0688400	1.48277	1.51221	UP	UP
1154	TraesCS1A03G0689300	0.39935	0.72813	Down	Down
1155	TraesCS1A03G0689600	0.76104	0.40451	Down	Down
1158	TraesCS1A03G0690100	0.8229	2.51245	Down	Up
1159	TraesCS1A03G0690200	1.00439	2.24403	Up	Up
1162	TraesCS1A03G0691100	1.0884	0.93709	No	No
1163	TraesCS1A03G0691200	0.71577	6.66261	Down	Up
1164	TraesCS1A03G0692100	1.05419	0.96498	No	No
1165	TraesCS1A03G0692700	0.79112	0.69126	Down	Down
1166	TraesCS1A03G0693200	1.29146	1.48959	UP	UP
1167	TraesCS1A03G0693600	0.72051	2.55456	Down	Up

1168	TraesCS1A03G0694200	0.80142	1.20572	No	No
1169	TraesCS1A03G0694300	0.5552	1.49705	No	No
1170	TraesCS1A03G0696400	0.69058	3.23598	Down	Up
1174	TraesCS1A03G0697900	0.87	1.66127	No	No
1175	TraesCS1A03G0698000	1.20312	1.67253	UP	UP
1176	TraesCS1A03G0698400	1.24294	1.61203	UP	UP
1177	TraesCS1A03G0699400	0.9603	1.04783	No	No
1179	TraesCS1A03G0701000	0.72345	1.78	No	No
1180	TraesCS1A03G0701100	1.04381	0.96802	No	No
1182	TraesCS1A03G0702200	0.96572	1.31333	No	No
1183	TraesCS1A03G0702600	1.00916	0.79999	No	No
1184	TraesCS1A03G0703000	2.4752	1.61048	Up	Up
1185	TraesCS1A03G0703100	1.61692	1.00944	UP	UP
1186	TraesCS1A03G0704200	1.20242	0.51453	No	No
1187	TraesCS1A03G0704300	1.30054	0.80899	No	No
1188	TraesCS1A03G0706000	1.59287	0.70215	No	No
1189	TraesCS1A03G0706500	1.1919	1.89312	UP	UP
1190	TraesCS1A03G0706600	1.54041	0.9188	No	No
1191	TraesCS1A03G0707500	1.39125	1.69513	UP	UP
1192	TraesCS1A03G0708000	1.0972	5.3797	Up	Up
1193	TraesCS1A03G0708400	0.98336	0.65766	Down	Down
1194	TraesCS1A03G0708500	1.19258	1.07284	UP	UP
1195	TraesCS1A03G0709000	1.29257	0.19108	Up	Down
1196	TraesCS1A03G0709000	1.36368	0.10346	Up	Down
1197	TraesCS1A03G0709700	0.51356	0.86806	Down	Down
1198	TraesCS1A03G0710500	1.32118	0.93953	No	No
1199	TraesCS1A03G0710700	0.99574	0.94817	Down	Down
1201	TraesCS1A03G0711700	0.96736	1.60812	No	No
1202	TraesCS1A03G0711800	0.96076	0.5193	Down	Down
1203	TraesCS1A03G0712000	0.91866	1.18265	No	No
1205	TraesCS1A03G0712400	0.77751	1.03046	No	No
1206	TraesCS1A03G0712700	1.17768	0.86433	No	No
1207	TraesCS1A03G0713800	0.49368	1.29167	Down	Up
1208	TraesCS1A03G0713900	0.97157	7.99822	Down	Up
1209	TraesCS1A03G0714300	0.7849	1.49418	No	No
1210	TraesCS1A03G0714500	1.2595	2.17858	Up	Up
1213	TraesCS1A03G0716700	0.95674	0.8728	Down	Down
1214	TraesCS1A03G0717000	1.63055	0.91078	No	No
1215	TraesCS1A03G0718300	0.457	1.85329	Down	Up
1216	TraesCS1A03G0718400	0.57796	4.21625	Down	Up
1217	TraesCS1A03G0718600	0.78102	0.93356	Down	Down
1218	TraesCS1A03G0718900	1.09061	1.03752	UP	UP
1219	TraesCS1A03G0719000	1.39076	0.71594	No	No
1220	TraesCS1A03G0719400	0.47301	1.25883	Down	Up
1221	TraesCS1A03G0720100	0.49613	1.7423	Down	Up
1222	TraesCS1A03G0720300	0.7246	1.9436	No	No
1223	TraesCS1A03G0720400	0.60933	1.60683	No	No
1224	TraesCS1A03G0721500	0.75608	0.61638	Down	Down
1225	TraesCS1A03G0721800	0.7522	0.15471	Down	Down
1226	TraesCS1A03G0722000	1.17296	0.10453	Up	Down
1227	TraesCS1A03G0722700	1.19211	0.92921	No	No
1228	TraesCS1A03G0723000	0.57208	4.2608	Down	Up

1229	TraesCS1A03G0723100	0.80864	1.3228	No	No
1230	TraesCS1A03G0723100	1.26237	1.79812	UP	UP
1231	TraesCS1A03G0724900	0.8829	1.00953	No	No
1232	TraesCS1A03G0725000	1.1494	1.7084	UP	UP
1233	TraesCS1A03G0725200	1.19778	0.60034	No	No
1234	TraesCS1A03G0725400	0.77106	1.27662	No	No
1235	TraesCS1A03G0725600	0.69591	1.61519	No	No
1236	TraesCS1A03G0725700	1.00323	1.03629	UP	UP
1237	TraesCS1A03G0726600	0.25036	0.4478	Down	Down
1238	TraesCS1A03G0727200	0.34174	1.34552	Down	Up
1239	TraesCS1A03G0727400	0.1615	0.20263	Down	Down
1240	TraesCS1A03G0727700	0.3438	0.38987	Down	Down
1242	TraesCS1A03G0728000	1.38024	0.4326	Up	Down
1243	TraesCS1A03G0728200	0.40363	0.83465	Down	Down
1244	TraesCS1A03G0728800	0.87175	1.73705	No	No
1245	TraesCS1A03G0729800	0.59018	0.47095	Down	Down
1248	TraesCS1A03G0730300	1.27723	0.8962	No	No
1249	TraesCS1A03G0730900	0.40725	3.21237	Down	Up
1250	TraesCS1A03G0731000	0.76331	0.56659	Down	Down
1251	TraesCS1A03G0731300	1.3083	2.2145	Up	Up
1256	TraesCS1A03G0736800	1.40137	0.24449	Up	Down
1257	TraesCS1A03G0737000	0.86214	4.28732	Down	Up
1258	TraesCS1A03G0738000	0.71362	0.43534	Down	Down
1259	TraesCS1A03G0738200	0.62741	2.24075	Down	Up
1260	TraesCS1A03G0738700	0.69436	0.92043	Down	Down
1261	TraesCS1A03G0738800	0.90947	1.72232	No	No
1262	TraesCS1A03G0739000	0.54031	7.03912	Down	Up
1263	TraesCS1A03G0740800	1.12907	1.17127	UP	UP
1264	TraesCS1A03G0741100	1.09987	2.31116	Up	Up
1265	TraesCS1A03G0741400	1.12151	8.23597	Up	Up
1266	TraesCS1A03G0741900	0.7609	1.90267	No	No
1267	TraesCS1A03G0742500	0.96426	2.80367	Down	Up
1268	TraesCS1A03G0742600	1.14987	1.13523	UP	UP
1269	TraesCS1A03G0742700	1.41434	0.50458	No	No
1271	TraesCS1A03G0743700	1.02727	2.01991	Up	Up
1272	TraesCS1A03G0743900	0.81683	1.40732	No	No
1273	TraesCS1A03G0744600	0.7003	0.30405	Down	Down
1274	TraesCS1A03G0744900	1.06632	1.87117	UP	UP
1275	TraesCS1A03G0747900	0.84478	3.51772	Down	Up
1276	TraesCS1A03G0748400	0.13874	1.46545	Down	Up
1277	TraesCS1A03G0749100	0.79829	2.38373	Down	Up
1278	TraesCS1A03G0749900	1.16737	0.32898	Up	Down
1279	TraesCS1A03G0750100	1.02596	1.50812	UP	UP
1282	TraesCS1A03G0752700	0.81378	1.0917	No	No
1283	TraesCS1A03G0752900	1.1238	2.01134	Up	Up
1284	TraesCS1A03G0752900	0.78754	0.73122	Down	Down
1285	TraesCS1A03G0753000	0.4019	5.51348	Down	Up
1286	TraesCS1A03G0753400	1.02918	0.55729	No	No
1287	TraesCS1A03G0753500	0.73644	1.20138	No	No
1288	TraesCS1A03G0754600	0.9512	1.17656	No	No
1289	TraesCS1A03G0756400	0.77548	3.1295	Down	Up
1290	TraesCS1A03G0756500	0.8988	2.30537	Down	Up

1291	TraesCS1A03G0756800	0.72586	1.00594	No	No
1292	TraesCS1A03G0758200	1.42824	0.7629	No	No
1293	TraesCS1A03G0758500	0.89859	0.34543	Down	Down
1294	TraesCS1A03G0759500	0.77064	4.24361	Down	Up
1296	TraesCS1A03G0760300	0.84764	2.27161	Down	Up
1297	TraesCS1A03G0760400	0.68037	2.24767	Down	Up
1298	TraesCS1A03G0760500	0.955	1.04379	No	No
1299	TraesCS1A03G0761400	1.03841	1.40227	UP	UP
1300	TraesCS1A03G0761500	1.28594	2.28324	Up	Up
1301	TraesCS1A03G0763500	0.89643	1.10972	No	No
1302	TraesCS1A03G0763600	0.61026	1.52478	No	No
1303	TraesCS1A03G0764000	0.85829	2.63196	Down	Up
1304	TraesCS1A03G0764100	1.44179	0.44856	Up	Down
1305	TraesCS1A03G0764700	1.30635	1.50269	UP	UP
1306	TraesCS1A03G0765200	0.82908	1.13761	No	No
1307	TraesCS1A03G0765300	0.75557	0.41989	Down	Down
1308	TraesCS1A03G0765700	1.7272	1.16864	UP	UP
1309	TraesCS1A03G0765800	0.87706	1.55651	No	No
1310	TraesCS1A03G0765900	1.72067	1.5557	UP	UP
1311	TraesCS1A03G0766800	1.29178	0.57019	No	No
1312	TraesCS1A03G0766800	1.36903	0.36405	Up	Down
1313	TraesCS1A03G0766800	1.09685	0.23513	Up	Down
1314	TraesCS1A03G0768500	2.17904	1.20087	Up	Up
1315	TraesCS1A03G0770600	0.72177	2.00502	Down	Up
1316	TraesCS1A03G0770800	1.6042	1.86535	UP	UP
1317	TraesCS1A03G0771100	1.20261	1.20749	UP	UP
1320	TraesCS1A03G0771900	0.58237	7.24747	Down	Up
1322	TraesCS1A03G0772800	1.0073	1.04295	UP	UP
1323	TraesCS1A03G0773400	1.07207	1.05433	UP	UP
1324	TraesCS1A03G0773900	0.97508	1.2667	No	No
1325	TraesCS1A03G0774100	0.73151	0.81183	Down	Down
1330	TraesCS1A03G0775900	0.82083	0.7929	Down	Down
1332	TraesCS1A03G0776200	0.65223	3.31177	Down	Up
1333	TraesCS1A03G0776300	1.12547	1.89821	UP	UP
1334	TraesCS1A03G0778600	0.76539	1.5661	No	No
1335	TraesCS1A03G0778700	0.79855	0.39815	Down	Down
1336	TraesCS1A03G0778800	1.03753	0.65014	No	No
1337	TraesCS1A03G0779100	0.86203	0.83049	Down	Down
1341	TraesCS1A03G0780800	0.63665	2.68234	Down	Up
1342	TraesCS1A03G0782100	1.04295	1.01513	UP	UP
1343	TraesCS1A03G0782200	0.70002	0.34308	Down	Down
1344	TraesCS1A03G0782500	0.98276	2.38992	Down	Up
1345	TraesCS1A03G0782700	1.15511	0.56336	No	No
1346	TraesCS1A03G0782800	1.1808	1.54089	UP	UP
1348	TraesCS1A03G0784500	1.37117	0.92923	No	No
1349	TraesCS1A03G0784800	1.34732	0.98904	No	No
1350	TraesCS1A03G0786600	1.04135	2.49803	Up	Up
1351	TraesCS1A03G0787000	1.15681	1.36229	UP	UP
1352	TraesCS1A03G0787500	0.76312	0.40725	Down	Down
1353	TraesCS1A03G0788400	1.01222	1.87527	UP	UP
1358	TraesCS1A03G0790900	1.12202	2.24774	Up	Up
1360	TraesCS1A03G0791700	0.51137	0.86227	Down	Down

1361	TraesCS1A03G0791800	1.68761	1.25383	UP	UP
1362	TraesCS1A03G0793500	1.029	1.16493	UP	UP
1363	TraesCS1A03G0794800	1.22764	0.93321	No	No
1364	TraesCS1A03G0796800	0.91772	1.33185	No	No
1365	TraesCS1A03G0797000	1.16123	0.54916	No	No
1366	TraesCS1A03G0797200	0.91081	0.78693	Down	Down
1367	TraesCS1A03G0800700	1.47532	0.98824	No	No
1368	TraesCS1A03G0801100	0.75151	3.20895	Down	Up
1369	TraesCS1A03G0801400	1.33788	0.61406	No	No
1370	TraesCS1A03G0802600	1.3075	0.4439	Up	Down
1372	TraesCS1A03G0803600	1.03296	0.91616	No	No
1373	TraesCS1A03G0803800	1.66419	0.29978	Up	Down
1374	TraesCS1A03G0805700	0.81051	0.43376	Down	Down
1376	TraesCS1A03G0808300	0.7834	1.66444	No	No
1377	TraesCS1A03G0808500	1.32535	2.31651	Up	Up
1378	TraesCS1A03G0808700	0.81686	1.31502	No	No
1379	TraesCS1A03G0809200	1.19056	5.51103	Up	Up
1380	TraesCS1A03G0809500	1.25387	0.17781	Up	Down
1381	TraesCS1A03G0809600	0.78893	0.97413	Down	Down
1382	TraesCS1A03G0810700	0.79995	1.54745	No	No
1383	TraesCS1A03G0810900	1.04087	0.50837	No	No
1384	TraesCS1A03G0811000	0.85984	1.22678	No	No
1385	TraesCS1A03G0811400	0.78779	1.41205	No	No
1386	TraesCS1A03G0811600	0.90205	1.37942	No	No
1388	TraesCS1A03G0812400	0.98508	0.43674	Down	Down
1390	TraesCS1A03G0813100	1.09716	0.30655	Up	Down
1392	TraesCS1A03G0815300	1.12335	1.41459	UP	UP
1393	TraesCS1A03G0815400	0.82616	0.76634	Down	Down
1394	TraesCS1A03G0818500	0.87186	0.97041	Down	Down
1395	TraesCS1A03G0818800	0.9814	0.79955	Down	Down
1396	TraesCS1A03G0819300	1.00504	1.5768	UP	UP
1400	TraesCS1A03G0820700	1.57333	0.75699	No	No
1401	TraesCS1A03G0821600	0.90981	1.14679	No	No
1402	TraesCS1A03G0821800	0.7035	0.99342	Down	Down
1403	TraesCS1A03G0822500	1.00726	1.07691	UP	UP
1404	TraesCS1A03G0823300	1.21256	0.75658	No	No
1405	TraesCS1A03G0823600	1.13962	0.71044	No	No
1406	TraesCS1A03G0824000	1.0883	0.18168	Up	Down
1408	TraesCS1A03G0824600	0.83735	1.29248	No	No
1409	TraesCS1A03G0825100	2.15835	0.79446	Up	Down
1410	TraesCS1A03G0825800	0.82459	1.0169	No	No
1411	TraesCS1A03G0826100	1.16517	1.41925	UP	UP
1412	TraesCS1A03G0826500	0.64359	3.58119	Down	Up
1413	TraesCS1A03G0826800	1.31371	0.83025	No	No
1414	TraesCS1A03G0827000	0.74302	0.65408	Down	Down
1415	TraesCS1A03G0827300	0.63256	1.25203	No	No
1416	TraesCS1A03G0830500	1.03104	1.1673	UP	UP
1417	TraesCS1A03G0830600	0.65254	1.07589	No	No
1419	TraesCS1A03G0832500	0.93972	0.65077	Down	Down
1420	TraesCS1A03G0834600	0.7906	1.53709	No	No
1421	TraesCS1A03G0835900	1.38651	1.96693	UP	UP
1422	TraesCS1A03G0836000	1.14667	0.7888	No	No

1423	TraesCS1A03G0836300	1.0564	0.61985	No	No
1424	TraesCS1A03G0837200	1.01742	0.93471	No	No
1425	TraesCS1A03G0837600	1.28485	0.29803	Up	Down
1426	TraesCS1A03G0838000	1.22152	1.15211	UP	UP
1427	TraesCS1A03G0838800	0.81334	1.53564	No	No
1428	TraesCS1A03G0838900	2.60216	0.56402	Up	Down
1429	TraesCS1A03G0839000	2.0429	2.72766	Up	Up
1430	TraesCS1A03G0839100	0.81343	2.32063	Down	Up
1431	TraesCS1A03G0839200	0.65101	0.89467	Down	Down
1432	TraesCS1A03G0839500	0.75252	1.1802	No	No
1433	TraesCS1A03G0839600	0.49699	2.74071	Down	Up
1434	TraesCS1A03G0840000	0.67223	4.05531	Down	Up
1435	TraesCS1A03G0840900	0.85658	1.01494	No	No
1436	TraesCS1A03G0841000	1.09246	1.07775	UP	UP
1437	TraesCS1A03G0845500	1.43516	3.76697	Up	Up
1438	TraesCS1A03G0846000	0.52468	4.15559	Down	Up
1439	TraesCS1A03G0846000	0.84253	1.78507	No	No
1440	TraesCS1A03G0846100	0.35335	2.46563	Down	Up
1441	TraesCS1A03G0846400	1.5548	0.47534	Up	Down
1442	TraesCS1A03G0847000	1.46119	1.20891	UP	UP
1444	TraesCS1A03G0847500	0.93038	1.29387	No	No
1446	TraesCS1A03G0850600	0.88508	0.98088	Down	Down
1447	TraesCS1A03G0851600	0.97036	0.43484	Down	Down
1448	TraesCS1A03G0851700	0.83905	0.62793	Down	Down
1449	TraesCS1A03G0851800	0.64867	2.08359	Down	Up
1450	TraesCS1A03G0852200	0.84055	1.5677	No	No
1451	TraesCS1A03G0852300	1.11555	1.85792	UP	UP
1452	TraesCS1A03G0852900	0.61423	4.68631	Down	Up
1453	TraesCS1A03G0853200	0.78106	1.27036	No	No
1454	TraesCS1A03G0854100	0.9002	1.63676	No	No
1455	TraesCS1A03G0854200	1.0394	0.8197	No	No
1457	TraesCS1A03G0855100	1.04013	1.13177	UP	UP
1458	TraesCS1A03G0855800	0.95877	1.43646	No	No
1459	TraesCS1A03G0855900	0.61799	2.25159	Down	Up
1460	TraesCS1A03G0858300	1.23419	0.55408	No	No
1461	TraesCS1A03G0858500	1.02892	1.66251	UP	UP
1463	TraesCS1A03G0859800	0.39505	3.09844	Down	Up
1464	TraesCS1A03G0859900	1.00131	0.9457	No	No
1465	TraesCS1A03G0860000	0.94007	1.45951	No	No
1466	TraesCS1A03G0860400	1.02928	1.2385	UP	UP
1467	TraesCS1A03G0860700	1.22538	0.29073	Up	Down
1468	TraesCS1A03G0862200	0.96834	2.96147	Down	Up
1469	TraesCS1A03G0863600	0.97248	1.76239	No	No
1470	TraesCS1A03G0863800	0.66116	0.80276	Down	Down
1471	TraesCS1A03G0863900	1.16404	0.88054	No	No
1472	TraesCS1A03G0864500	1.30396	0.46788	Up	Down
1473	TraesCS1A03G0865000	0.66141	1.2111	No	No
1474	TraesCS1A03G0866200	1.0629	0.51732	No	No
1476	TraesCS1A03G0867000	0.76629	1.0252	No	No
1478	TraesCS1A03G0867300	0.61391	3.59641	Down	Up
1479	TraesCS1A03G0868400	0.87327	1.02764	No	No
1480	TraesCS1A03G0868700	1.19235	0.79233	No	No

1481	TraesCS1A03G0868900	0.96289	1.56636	No	No
1482	TraesCS1A03G0869100	0.92573	2.35883	Down	Up
1483	TraesCS1A03G0869500	0.72389	1.17332	No	No
1484	TraesCS1A03G0869800	1.19334	0.9112	No	No
1485	TraesCS1A03G0869900	0.6801	15.7334	Down	Up
1486	TraesCS1A03G0870100	1.11153	2.60497	Up	Up
1487	TraesCS1A03G0870900	1.13928	1.37735	UP	UP
1489	TraesCS1A03G0873200	0.99861	0.77519	Down	Down
1490	TraesCS1A03G0873700	0.92513	0.7601	Down	Down
1491	TraesCS1A03G0873800	0.90779	0.82757	Down	Down
1492	TraesCS1A03G0874000	1.01002	0.6249	No	No
1493	TraesCS1A03G0874100	1.47795	0.86451	No	No
1495	TraesCS1A03G0874600	1.17235	1.53957	UP	UP
1496	TraesCS1A03G0874700	0.80944	1.26475	No	No
1497	TraesCS1A03G0874800	0.45738	2.73845	Down	Up
1498	TraesCS1A03G0875300	0.83701	1.85613	No	No
1499	TraesCS1A03G0875600	1.14332	0.24761	Up	Down
1500	TraesCS1A03G0876000	1.37292	1.21704	UP	UP
1501	TraesCS1A03G0876900	1.10758	1.04785	UP	UP
1502	TraesCS1A03G0877600	0.57791	0.95781	Down	Down
1503	TraesCS1A03G0877600	1.02748	1.59634	UP	UP
1505	TraesCS1A03G0879800	1.60481	0.3948	Up	Down
1506	TraesCS1A03G0880000	0.96943	0.89503	Down	Down
1507	TraesCS1A03G0881200	1.23929	0.92333	No	No
1508	TraesCS1A03G0881300	1.28738	2.8016	Up	Up
1509	TraesCS1A03G0881400	1.42121	1.94148	UP	UP
1510	TraesCS1A03G0881500	0.82111	1.86355	No	No
1511	TraesCS1A03G0881700	0.95611	1.16389	No	No
1512	TraesCS1A03G0882700	0.7951	1.30435	No	No
1513	TraesCS1A03G0883000	0.8152	1.18782	No	No
1515	TraesCS1A03G0884800	1.27888	0.49529	Up	Down
1516	TraesCS1A03G0885500	0.74856	1.12566	No	No
1517	TraesCS1A03G0885600	1.40321	1.22253	UP	UP
1518	TraesCS1A03G0885700	0.79032	0.71515	Down	Down
1519	TraesCS1A03G0885900	0.57282	0.83903	Down	Down
1520	TraesCS1A03G0886300	0.77138	1.39429	No	No
1521	TraesCS1A03G0886400	0.75607	1.4769	No	No
1522	TraesCS1A03G0887400	1.21466	0.37517	Up	Down
1523	TraesCS1A03G0887700	0.91499	1.00915	No	No
1524	TraesCS1A03G0887800	1.08564	1.0024	UP	UP
1525	TraesCS1A03G0888500	0.53601	3.01433	Down	Up
1526	TraesCS1A03G0889200	0.51913	2.05007	Down	Up
1527	TraesCS1A03G0889400	0.79418	0.88026	Down	Down
1528	TraesCS1A03G0889500	0.60638	9.60733	Down	Up
1529	TraesCS1A03G0891500	0.5451	0.704	Down	Down
1530	TraesCS1A03G0891600	0.38356	1.87413	Down	Up
1531	TraesCS1A03G0891800	0.70563	0.93019	Down	Down
1532	TraesCS1A03G0891800	0.58615	1.63125	No	No
1533	TraesCS1A03G0891900	0.90105	0.54377	Down	Down
1534	TraesCS1A03G0892900	0.84837	1.2381	No	No
1535	TraesCS1A03G0893400	1.34535	0.48955	Up	Down
1536	TraesCS1A03G0893900	2.61427	0.33668	Up	Down

1537	TraesCS1A03G0894100	0.73127	1.17476	No	No
1538	TraesCS1A03G0895300	0.87903	1.33021	No	No
1539	TraesCS1A03G0896600	0.69526	0.95042	Down	Down
1540	TraesCS1A03G0896800	0.75812	0.00524	Down	Down
1541	TraesCS1A03G0896900	0.74894	1.86252	No	No
1542	TraesCS1A03G0897000	0.83966	0.3294	Down	Down
1543	TraesCS1A03G0897100	0.7369	0.96272	Down	Down
1544	TraesCS1A03G0900000	0.91765	1.23943	No	No
1545	TraesCS1A03G0901300	1.01804	1.43265	UP	UP
1546	TraesCS1A03G0902300	0.9699	0.2755	Down	Down
1547	TraesCS1A03G0902700	0.77754	2.6528	Down	Up
1548	TraesCS1A03G0902800	0.679	2.06165	Down	Up
1549	TraesCS1A03G0903400	0.92258	5.86363	Down	Up
1550	TraesCS1A03G0903700	0.69574	3.7769	Down	Up
1551	TraesCS1A03G0905600	0.77553	1.89915	No	No
1552	TraesCS1A03G0906100	0.68718	1.13076	No	No
1553	TraesCS1A03G0909100	0.91499	1.69437	No	No
1554	TraesCS1A03G0909400	1.01587	0.68439	No	No
1555	TraesCS1A03G0910600	0.70021	1.52278	No	No
1556	TraesCS1A03G0910800	1.13962	0.3994	Up	Down
1557	TraesCS1A03G0910900	1.02847	0.73709	No	No
1558	TraesCS1A03G0911100	0.84309	1.09775	No	No
1559	TraesCS1A03G0911900	0.9159	0.59469	Down	Down
1561	TraesCS1A03G0913500	1.16597	1.01122	UP	UP
1562	TraesCS1A03G0913800	0.93224	5.76507	Down	Up
1563	TraesCS1A03G0913900	0.42074	1.39346	Down	Up
1564	TraesCS1A03G0914100	0.73715	1.06771	No	No
1565	TraesCS1A03G0915000	0.72165	1.64864	No	No
1566	TraesCS1A03G0915700	0.56151	1.79188	No	No
1567	TraesCS1A03G0916800	0.6296	1.7803	No	No
1569	TraesCS1A03G0917300	1.13012	1.54234	UP	UP
1570	TraesCS1A03G0917700	0.94335	3.69159	Down	Up
1571	TraesCS1A03G0917900	0.79324	1.96586	No	No
1572	TraesCS1A03G0918000	0.98145	1.33322	No	No
1573	TraesCS1A03G0920500	0.62832	1.31769	No	No
1574	TraesCS1A03G0920800	0.80263	0.74779	Down	Down
1575	TraesCS1A03G0921200	0.5223	2.252	Down	Up
1576	TraesCS1A03G0924600	0.43928	1.14139	Down	Up
1577	TraesCS1A03G0925600	0.91135	0.23054	Down	Down
1578	TraesCS1A03G0926300	0.42457	2.35308	Down	Up
1579	TraesCS1A03G0927400	1.74271	0.52732	No	No
1580	TraesCS1A03G0928800	6.77547	0.49126	Up	Down
1581	TraesCS1A03G0929000	0.7062	0.6122	Down	Down
1582	TraesCS1A03G0929500	13.3979	0.84962	Up	Down
1583	TraesCS1A03G0929700	0.83999	0.52189	Down	Down
1593	TraesCS1A03G0936500	0.67341	1.9977	No	No
1594	TraesCS1A03G0940900	0.64978	1.14979	No	No
1595	TraesCS1A03G0945000	0.36414	13.5297	Down	Up
1596	TraesCS1A03G0945100	0.71389	3.42262	Down	Up
1597	TraesCS1A03G0946200	0.62652	1.69505	No	No
1598	TraesCS1A03G0946300	0.72074	1.50307	No	No
1599	TraesCS1A03G0947000	1.26975	0.55778	No	No

1600	TraesCS1A03G0947100	0.43421	1.88911	Down	Up
1601	TraesCS1A03G0948100	1.26529	0.82087	No	No
1602	TraesCS1A03G0948200	0.94313	0.30191	Down	Down
1603	TraesCS1A03G0948700	0.61667	0.59444	Down	Down
1604	TraesCS1A03G0949800	0.80317	2.27635	Down	Up
1606	TraesCS1A03G0950000	0.90886	1.71463	No	No
1607	TraesCS1A03G0951000	0.83654	1.51313	No	No
1608	TraesCS1A03G0951200	0.88675	0.38717	Down	Down
1609	TraesCS1A03G0951500	0.51795	2.33847	Down	Up
1610	TraesCS1A03G0952700	0.83676	1.64282	No	No
1611	TraesCS1A03G0954600	0.78496	1.45539	No	No
1612	TraesCS1A03G0954700	1.06044	3.85861	Up	Up
1613	TraesCS1A03G0954900	0.54202	1.54451	No	No
1614	TraesCS1A03G0955000	0.67658	0.18089	Down	Down
1615	TraesCS1A03G0956000	0.8569	2.26077	Down	Up
1616	TraesCS1A03G0956200	0.9362	1.13596	No	No
1617	TraesCS1A03G0959100	0.81877	0.39779	Down	Down
1618	TraesCS1A03G0960500	0.57655	0.8124	Down	Down
1619	TraesCS1A03G0961000	1.07176	1.07742	UP	UP
1620	TraesCS1A03G0961800	2.82849	1.44594	Up	Up
1621	TraesCS1A03G0961900	0.67424	1.213	No	No
1622	TraesCS1A03G0962200	0.49709	1.344	Down	Up
1623	TraesCS1A03G0964300	1.02642	1.40597	UP	UP
1624	TraesCS1A03G0966000	0.70481	1.03394	No	No
1625	TraesCS1A03G0966100	0.96735	1.51554	No	No
1626	TraesCS1A03G0966200	0.61545	1.0371	No	No
1627	TraesCS1A03G0966800	1.15153	1.26384	UP	UP
1628	TraesCS1A03G0966900	1.13269	1.01389	UP	UP
1629	TraesCS1A03G0967800	0.97083	1.15508	No	No
1630	TraesCS1A03G0968200	0.66634	2.01726	Down	Up
1631	TraesCS1A03G0968300	1.03836	0.77561	No	No
1632	TraesCS1A03G0968400	0.89118	0.74545	Down	Down
1634	TraesCS1A03G0969400	0.9134	1.2938	No	No
1635	TraesCS1A03G0969800	0.60999	1.17673	No	No
1636	TraesCS1A03G0969900	0.80128	1.12069	No	No
1637	TraesCS1A03G0972400	1.23869	3.07818	Up	Up
1639	TraesCS1A03G0974300	0.77131	1.49503	No	No
1640	TraesCS1A03G0974500	0.6669	1.43878	No	No
1641	TraesCS1A03G0975700	0.87511	1.0273	No	No
1642	TraesCS1A03G0975800	0.73	2.29556	Down	Up
1643	TraesCS1A03G0977000	0.70759	0.41919	Down	Down
1644	TraesCS1A03G0977200	0.71313	3.79603	Down	Up
1645	TraesCS1A03G0982700	1.00794	1.00456	UP	UP
1646	TraesCS1A03G0983600	1.23098	1.04194	UP	UP
1647	TraesCS1A03G0983700	0.74588	0.4659	Down	Down
1648	TraesCS1A03G0985700	1.74203	0.91536	No	No
1649	TraesCS1A03G0986200	0.72455	0.96851	Down	Down
1650	TraesCS1A03G0986300	1.03521	2.1506	Up	Up
1651	TraesCS1A03G0986400	0.83139	0.41882	Down	Down
1652	TraesCS1A03G0986500	0.69821	1.43981	No	No
1653	TraesCS1A03G0986800	1.03152	1.22786	UP	UP
1654	TraesCS1A03G0986900	1.11053	0.06303	Up	Down

1656	TraesCS1A03G0987600	0.72548	1.18397	No	No
1657	TraesCS1A03G0988300	0.87292	0.89984	Down	Down
1658	TraesCS1A03G0989300	0.68706	3.90632	Down	Up
1659	TraesCS1A03G0989800	1.51676	1.66841	UP	UP
1660	TraesCS1A03G0990000	1.48884	0.57639	No	No
1661	TraesCS1A03G0990700	0.93724	0.61162	Down	Down
1662	TraesCS1A03G0993300	1.33994	2.10369	Up	Up
1663	TraesCS1A03G0994200	1.01908	2.22079	Up	Up
1664	TraesCS1A03G0994300	1.02935	0.42976	Up	Down
1665	TraesCS1A03G0994600	1.01986	0.73946	No	No
1666	TraesCS1A03G0995700	0.918	1.1408	No	No
1668	TraesCS1A03G0998200	1.20818	0.25758	Up	Down
1669	TraesCS1A03G0998400	1.33665	0.44318	Up	Down
1670	TraesCS1A03G1000100	1.31514	0.98548	No	No
1671	TraesCS1A03G1000400	1.29861	0.49642	Up	Down
1672	TraesCS1A03G1001000	1.05306	0.99469	No	No
1673	TraesCS1A03G1002400	1.09131	0.72607	No	No
1674	TraesCS1A03G1002600	1.03265	0.6592	No	No
1676	TraesCS1A03G1003700	1.30311	0.51493	No	No
1677	TraesCS1A03G1003900	0.62898	5.453	Down	Up
1678	TraesCS1A03G1004100	0.33662	2.26875	Down	Up
1679	TraesCS1A03G1005500	0.8245	4.70591	Down	Up
1680	TraesCS1A03G1005500	1.09049	0.49164	Up	Down
1681	TraesCS1A03G1006100	1.18455	1.49195	UP	UP
1682	TraesCS1A03G1006500	1.29593	0.83462	No	No
1683	TraesCS1A03G1008400	1.21481	1.02818	UP	UP
1684	TraesCS1A03G1008600	1.07612	1.00864	UP	UP
1685	TraesCS1A03G1009400	1.51188	0.54348	No	No
1686	TraesCS1A03G1010500	1.67918	0.93415	No	No
1687	TraesCS1A03G1011400	1.2624	0.99466	No	No
1688	TraesCS1A03G1011500	3.29294	0.60726	Up	Down
1689	TraesCS1A03G1012700	1.70503	1.34457	UP	UP
1690	TraesCS1A03G1014100	1.80234	0.21724	Up	Down
1693	TraesCS1A03G1015700	1.38642	1.94831	UP	UP
1694	TraesCS1A03G1015800	0.59637	7.24854	Down	Up
1695	TraesCS1A03G1016000	0.92751	0.62916	Down	Down
1696	TraesCS1A03G1017300	0.93484	1.52059	No	No
1698	TraesCS1A03G1018700	1.01118	1.17531	UP	UP
1699	TraesCS1A03G1018800	0.99739	1.09895	No	No
1700	TraesCS1A03G1019300	0.83516	1.65594	No	No
1702	TraesCS1A03G1020700	1.40206	0.97946	No	No
1703	TraesCS1A03G1021200	1.00929	1.0265	UP	UP
1704	TraesCS1A03G1021900	1.48293	0.85302	No	No
1705	TraesCS1A03G1022000	0.81783	1.00909	No	No
1706	TraesCS1A03G1022400	0.71151	0.8551	Down	Down
1707	TraesCS1A03G1023500	1.74735	0.92845	No	No
1709	TraesCS1A03G1024200	1.29004	1.56662	UP	UP
1710	TraesCS1A03G1024400	1.36713	1.72435	UP	UP
1711	TraesCS1A03G1025200	1.53736	5.03373	Up	Up
1712	TraesCS1A03G1025600	1.37543	1.10783	UP	UP
1713	TraesCS1A03G1025600	0.85915	0.88934	Down	Down
1714	TraesCS1A03G1026200	1.07702	1.13187	UP	UP

1715	TraesCS1A03G1026800	0.78393	2.30706	Down	Up
1716	TraesCS1A03G1027000	1.43183	0.23859	Up	Down
1717	TraesCS1A03G1027100	1.39176	0.76022	No	No
1718	TraesCS1A03G1029500	1.28714	1.04648	UP	UP
1719	TraesCS1A03G1029800	1.39991	8.10605	Up	Up
1720	TraesCS1A03G1029900	0.8816	14.0757	Down	Up
1721	TraesCS1A03G1031500	0.88522	0.76109	Down	Down
1722	TraesCS1A03G1031600	1.14822	3.50039	Up	Up
1723	TraesCS1A03G1031900	0.36489	3.68734	Down	Up
1724	TraesCS1A03G1033000	0.81467	4.88426	Down	Up
1726	TraesCS1A03G1034100	1.04537	2.07195	Up	Up
1729	TraesCS1A03G1034500	1.2687	0.81148	No	No
1730	TraesCS1A03G1034900	0.94637	1.54324	No	No
1731	TraesCS1A03G1035300	2.11723	1.93364	UP	UP
1732	TraesCS1A03G1035600	0.85465	1.12941	No	No
1733	TraesCS1A03G1038500	1.10459	0.16683	Up	Down
1734	TraesCS1A03G1039100	1.32081	0.32296	Up	Down
1735	TraesCS1A03G1039300	1.48979	1.54135	UP	UP
1736	TraesCS1A03G1039400	0.95605	0.87613	Down	Down
1737	TraesCS1A03G1039500	1.06818	0.8128	No	No
1739	TraesCS1A03G1040300	0.67967	1.4599	No	No
1740	TraesCS1A03G1040700	1.19096	1.78448	UP	UP
1741	TraesCS1A03G1041800	1.33002	0.80719	No	No
1742	TraesCS1A03G1042500	0.71537	1.55504	No	No
1743	TraesCS1A03G1043200	0.64759	1.22565	No	No
1744	TraesCS1A03G1044100	0.93856	1.21401	No	No
1745	TraesCS1A03G1047400	1.16115	1.40598	UP	UP
1746	TraesCS1A03G1048300	2.31504	1.26321	Up	Up
1747	TraesCS1A03G1048400	3.65114	0.90568	Up	Down
1748	TraesCS1A03G1050000	1.71712	0.22773	Up	Down
1749	TraesCS1A03G1050300	1.61122	1.40685	UP	UP
1750	TraesCS1A03G1051800	1.31535	1.51496	UP	UP
1751	TraesCS1A03G1052000	1.99102	1.23423	UP	UP
1752	TraesCS1A03G1052100	1.3264	1.23325	UP	UP
1753	TraesCS1A03G1052500	1.79526	1.00569	UP	UP
1754	TraesCS1A03G1052600	1.33549	0.51331	No	No
1755	TraesCS1A03G1057400	1.3902	0.9537	No	No
1756	TraesCS1A03G1059100	0.97781	1.46492	No	No
1758	TraesCS1A03G1060100	2.14454	0.58439	Up	Down
1759	TraesCS1A03G1061900	1.29081	1.08182	UP	UP
1760	TraesCS1A03G1062100	1.34178	0.71929	No	No
1761	TraesCS1A03G1062200	0.64347	1.61793	No	No
1762	TraesCS1A03G1065900	1.4476	1.09359	UP	UP
1763	TraesCS1A03G1067100	1.3937	1.40737	UP	UP
1764	TraesCS1A03G1067100	0.90134	1.57991	No	No
1766	TraesCS1A03G1068000	1.18651	1.82443	UP	UP
1767	TraesCS1A03G1068200	1.61169	1.64743	UP	UP
1768	TraesCS1A03G1068700	1.42097	0.80755	No	No
1770	TraesCS1A03G1069000	1.02427	1.03566	UP	UP
1771	TraesCS1A03G1071000	0.91026	1.82798	No	No
1772	TraesCS1A03G1073700	0.77657	2.38955	Down	Up
1773	TraesCS1A03G1073800	1.07952	0.32759	Up	Down

1774	TraesCS1A03G1074800	1.48567	2.2819	Up	Up
1775	TraesCS1A03G1075600	1.72177	0.66651	No	No
1776	TraesCS1A03G1076200	1.47518	0.69215	No	No
1777	TraesCS1A03G1077100	1.08017	1.65752	UP	UP
1779	TraesCS1A03G1079400	1.50168	0.78988	No	No
1780	TraesCS1A03G1079600	1.05583	1.07274	UP	UP
1781	TraesCS1A03G1079700	1.0594	1.13922	UP	UP
1782	TraesCS1A03G1080500	1.21024	1.37162	UP	UP
1783	TraesCS1A03G1080600	1.22493	0.55559	No	No
1784	TraesCS1A03G1080900	0.96744	1.00511	No	No
1785	TraesCS1A03G1081200	0.66256	0.996	Down	Down
1786	TraesCS1A03G1081300	1.45693	1.13563	UP	UP
1787	TraesCS1A03G1081600	1.87259	0.31091	Up	Down
1788	TraesCS1A03G1082000	0.5793	0.7991	Down	Down
1789	TraesCS1A03G1082000	0.74268	0.55019	Down	Down
1790	TraesCS1A03G1082100	0.58452	0.86153	Down	Down
1791	TraesCS1A03G1083800	1.05829	1.95087	UP	UP
1792	TraesCS1A03G1084000	1.44569	0.78485	No	No
1793	TraesCS1A03G1085400	1.48928	0.64728	No	No
1794	TraesCS1A03G1086000	1.25461	0.82646	No	No
1795	TraesCS1A03G1086400	1.77741	0.80903	No	No
1796	TraesCS1B03G0001600	0.76093	0.71495	Down	Down
1797	TraesCS1B03G0002000	1.09712	1.14103	UP	UP
1798	TraesCS1B03G0002100	1.27946	0.85554	No	No
1799	TraesCS1B03G0002200	1.17021	0.73895	No	No
1800	TraesCS1B03G0002400	0.74143	2.60287	Down	Up
1801	TraesCS1B03G0003000	0.88733	2.62244	Down	Up
1802	TraesCS1B03G0003300	0.9379	2.77425	Down	Up
1803	TraesCS1B03G0003400	1.23619	0.76075	No	No
1804	TraesCS1B03G0004000	1.20811	1.89719	UP	UP
1805	TraesCS1B03G0012600	0.83841	1.44535	No	No
1806	TraesCS1B03G0015600	1.1216	1.53783	UP	UP
1807	TraesCS1B03G0016200	0.83796	1.17541	No	No
1808	TraesCS1B03G0020700	0.72873	0.89757	Down	Down
1809	TraesCS1B03G0021200	1.43316	0.45516	Up	Down
1810	TraesCS1B03G0022400	1.35344	1.15934	UP	UP
1811	TraesCS1B03G0023100	0.63332	1.40691	No	No
1812	TraesCS1B03G0036800	0.94371	0.51838	Down	Down
1813	TraesCS1B03G0038800	1.12605	1.5261	UP	UP
1814	TraesCS1B03G0039000	0.8912	0.43683	Down	Down
1815	TraesCS1B03G0041400	0.65286	2.80241	Down	Up
1816	TraesCS1B03G0041500	0.7201	1.5068	No	No
1818	TraesCS1B03G0044200	0.92194	2.16794	Down	Up
1819	TraesCS1B03G0044300	0.79006	1.7996	No	No
1820	TraesCS1B03G0044800	0.99067	0.6412	Down	Down
1821	TraesCS1B03G0045000	0.55617	1.3262	No	No
1823	TraesCS1B03G0061900	1.04105	1.4297	UP	UP
1825	TraesCS1B03G0062400	0.8931	0.72054	Down	Down
1826	TraesCS1B03G0063400	0.59351	1.13501	No	No
1828	TraesCS1B03G0074000	1.26198	3.07935	Up	Up
1830	TraesCS1B03G0074500	0.66287	0.80238	Down	Down
1831	TraesCS1B03G0075300	0.53451	1.6183	No	No

1832	TraesCS1B03G0076300	1.15962	0.71505	No	No
1833	TraesCS1B03G0078100	0.65484	0.82884	Down	Down
1834	TraesCS1B03G0084600	0.72206	0.86417	Down	Down
1835	TraesCS1B03G0084700	0.97905	1.90644	No	No
1836	TraesCS1B03G0085000	0.89177	2.09174	Down	Up
1837	TraesCS1B03G0091800	1.11596	1.07346	UP	UP
1838	TraesCS1B03G0093100	0.90069	0.93472	Down	Down
1839	TraesCS1B03G0098000	1.18324	3.8908	Up	Up
1840	TraesCS1B03G0099700	0.43444	1.34418	Down	Up
1841	TraesCS1B03G0101000	1.04742	0.70436	No	No
1842	TraesCS1B03G0101300	1.32351	0.91722	No	No
1844	TraesCS1B03G0107500	0.71817	0.64836	Down	Down
1846	TraesCS1B03G0109200	0.93322	0.92724	Down	Down
1847	TraesCS1B03G0116100	0.91295	1.0742	No	No
1848	TraesCS1B03G0117900	0.84752	1.2411	No	No
1849	TraesCS1B03G0121200	1.39795	0.78811	No	No
1850	TraesCS1B03G0128200	1.20697	0.99447	No	No
1851	TraesCS1B03G0131000	1.05154	1.33216	UP	UP
1853	TraesCS1B03G0132600	0.70941	1.81403	No	No
1854	TraesCS1B03G0138400	0.82737	2.41542	Down	Up
1855	TraesCS1B03G0138400	1.22336	4.51564	Up	Up
1856	TraesCS1B03G0138600	0.94912	1.3997	No	No
1857	TraesCS1B03G0139600	0.57798	1.22	No	No
1858	TraesCS1B03G0139900	0.66104	1.08188	No	No
1859	TraesCS1B03G0143700	0.78503	1.3618	No	No
1860	TraesCS1B03G0144000	0.62229	0.85023	Down	Down
1861	TraesCS1B03G0145400	0.74537	1.21598	No	No
1862	TraesCS1B03G0147500	0.81308	1.20207	No	No
1864	TraesCS1B03G0164300	1.4141	1.42363	UP	UP
1865	TraesCS1B03G0164300	0.61602	1.01855	No	No
1866	TraesCS1B03G0173400	0.55442	0.51848	Down	Down
1867	TraesCS1B03G0173600	0.80114	2.37256	Down	Up
1868	TraesCS1B03G0181700	1.15314	1.35853	UP	UP
1869	TraesCS1B03G0183700	1.04351	1.1655	UP	UP
1870	TraesCS1B03G0183800	1.04707	0.48059	Up	Down
1871	TraesCS1B03G0184000	0.40266	1.16535	Down	Up
1872	TraesCS1B03G0184900	0.81861	0.40254	Down	Down
1873	TraesCS1B03G0187400	0.82249	0.55897	Down	Down
1874	TraesCS1B03G0190500	0.78259	0.14644	Down	Down
1876	TraesCS1B03G0192800	1.02503	1.06607	UP	UP
1877	TraesCS1B03G0192900	2.11792	1.3529	Up	Up
1878	TraesCS1B03G0199400	1.2396	0.86782	No	No
1879	TraesCS1B03G0202700	1.56405	0.40343	Up	Down
1882	TraesCS1B03G0206600	1.03225	0.95881	No	No
1883	TraesCS1B03G0212900	1.43374	1.01761	UP	UP
1884	TraesCS1B03G0216300	0.97187	1.11383	No	No
1885	TraesCS1B03G0217100	1.74507	0.76163	No	No
1886	TraesCS1B03G0217600	0.98565	0.83385	Down	Down
1887	TraesCS1B03G0219500	0.69085	1.1047	No	No
1889	TraesCS1B03G0222300	1.15626	1.10809	UP	UP
1892	TraesCS1B03G0232000	0.97217	0.50537	Down	Down
1894	TraesCS1B03G0235600	5.10068	0.66032	Up	Down

1895	TraesCS1B03G0239600	0.83539	0.81199	Down	Down
1896	TraesCS1B03G0240900	1.17344	1.6731	UP	UP
1897	TraesCS1B03G0241000	0.73319	2.44896	Down	Up
1900	TraesCS1B03G0244200	1.64595	1.36931	UP	UP
1903	TraesCS1B03G0248700	2.0185	0.73122	Up	Down
1904	TraesCS1B03G0249200	0.84359	2.84486	Down	Up
1905	TraesCS1B03G0255400	1.01887	1.3085	UP	UP
1906	TraesCS1B03G0256900	0.93167	0.9126	Down	Down
1907	TraesCS1B03G0258800	1.01826	0.82284	No	No
1910	TraesCS1B03G0262700	0.68066	3.23094	Down	Up
1911	TraesCS1B03G0263700	1.50996	1.92584	UP	UP
1912	TraesCS1B03G0264600	1.03796	0.42507	Up	Down
1913	TraesCS1B03G0265800	0.9293	1.22542	No	No
1914	TraesCS1B03G0266000	1.26186	1.19889	UP	UP
1915	TraesCS1B03G0267200	0.95004	0.6332	Down	Down
1916	TraesCS1B03G0269500	0.6941	8.15647	Down	Up
1917	TraesCS1B03G0269600	0.63785	1.39808	No	No
1919	TraesCS1B03G0273400	0.89669	0.83683	Down	Down
1920	TraesCS1B03G0273800	1.21143	1.30693	UP	UP
1921	TraesCS1B03G0274700	3.04331	0.96484	Up	Down
1922	TraesCS1B03G0275400	1.51814	0.81637	No	No
1923	TraesCS1B03G0275700	0.71713	2.03217	Down	Up
1924	TraesCS1B03G0280500	0.87011	0.41823	Down	Down
1925	TraesCS1B03G0281600	0.99515	0.972	Down	Down
1926	TraesCS1B03G0282900	0.55219	0.94096	Down	Down
1927	TraesCS1B03G0283000	1.01162	0.88415	No	No
1928	TraesCS1B03G0284900	1.26606	0.52082	No	No
1931	TraesCS1B03G0290400	1.07744	1.22877	UP	UP
1932	TraesCS1B03G0291000	0.76655	5.55199	Down	Up
1933	TraesCS1B03G0291900	1.14002	1.35868	UP	UP
1934	TraesCS1B03G0292000	1.16548	2.29192	Up	Up
1935	TraesCS1B03G0292500	0.99634	1.65547	No	No
1937	TraesCS1B03G0298000	0.87042	0.51825	Down	Down
1938	TraesCS1B03G0302500	0.81761	1.74045	No	No
1940	TraesCS1B03G0303100	1.09722	1.63184	UP	UP
1941	TraesCS1B03G0304000	0.74602	1.5091	No	No
1942	TraesCS1B03G0304900	0.91249	1.02557	No	No
1944	TraesCS1B03G0306500	0.61027	1.52166	No	No
1945	TraesCS1B03G0306800	0.86168	0.56597	Down	Down
1946	TraesCS1B03G0318800	1.28537	0.18995	Up	Down
1948	TraesCS1B03G0320200	1.79748	1.85859	UP	UP
1949	TraesCS1B03G0321200	0.95956	1.27465	No	No
1950	TraesCS1B03G0321300	0.49097	0.66432	Down	Down
1951	TraesCS1B03G0321600	0.76225	1.392	No	No
1952	TraesCS1B03G0322700	0.995	0.53792	Down	Down
1953	TraesCS1B03G0324000	1.09998	0.57963	No	No
1954	TraesCS1B03G0324200	0.85311	1.04405	No	No
1955	TraesCS1B03G0326400	1.96579	1.67972	UP	UP
1956	TraesCS1B03G0326800	0.89676	1.14738	No	No
1959	TraesCS1B03G0332400	0.88185	0.68001	Down	Down
1960	TraesCS1B03G0335300	1.18749	1.04967	UP	UP
1961	TraesCS1B03G0335700	0.69064	1.59579	No	No

1962	TraesCS1B03G0336700	3.03992	1.66034	Up	Up
1963	TraesCS1B03G0337900	0.84354	0.95846	Down	Down
1964	TraesCS1B03G0340400	0.84156	0.74487	Down	Down
1965	TraesCS1B03G0340700	1.07771	7.3687	Up	Up
1966	TraesCS1B03G0341500	0.89029	0.48984	Down	Down
1967	TraesCS1B03G0343800	0.74469	2.58862	Down	Up
1968	TraesCS1B03G0344200	0.86404	1.41149	No	No
1969	TraesCS1B03G0344300	1.06811	0.45486	Up	Down
1970	TraesCS1B03G0344600	1.0347	0.26154	Up	Down
1971	TraesCS1B03G0345700	1.66623	0.7749	No	No
1972	TraesCS1B03G0345800	0.65753	1.19478	No	No
1974	TraesCS1B03G0346300	0.77826	1.93465	No	No
1975	TraesCS1B03G0347100	0.71994	0.40304	Down	Down
1976	TraesCS1B03G0347500	0.62755	1.66282	No	No
1977	TraesCS1B03G0348200	0.61333	0.89316	Down	Down
1978	TraesCS1B03G0348500	1.0397	0.46395	Up	Down
1979	TraesCS1B03G0349500	0.88634	1.44264	No	No
1980	TraesCS1B03G0350100	1.03464	1.45935	UP	UP
1981	TraesCS1B03G0351100	0.99579	0.39676	Down	Down
1982	TraesCS1B03G0351100	0.76064	1.76807	No	No
1983	TraesCS1B03G0351800	0.59499	0.69117	Down	Down
1984	TraesCS1B03G0354200	0.74563	1.63484	No	No
1985	TraesCS1B03G0355800	0.80183	1.04752	No	No
1986	TraesCS1B03G0356800	0.87467	1.40468	No	No
1987	TraesCS1B03G0359400	1.03696	0.6013	No	No
1988	TraesCS1B03G0359800	0.9021	1.52521	No	No
1989	TraesCS1B03G0359900	1.30276	1.14371	UP	UP
1990	TraesCS1B03G0360300	0.6152	0.7754	Down	Down
1991	TraesCS1B03G0360700	0.72953	1.34278	No	No
1992	TraesCS1B03G0360800	0.6546	0.94628	Down	Down
1993	TraesCS1B03G0362200	0.44226	1.82296	Down	Up
1994	TraesCS1B03G0367100	1.00258	0.28876	Up	Down
1996	TraesCS1B03G0370100	0.79025	2.12729	Down	Up
1997	TraesCS1B03G0370600	1.46213	28.044	Up	Up
1998	TraesCS1B03G0371000	1.48653	0.59346	No	No
1999	TraesCS1B03G0374000	0.46965	0.93701	Down	Down
2000	TraesCS1B03G0374100	1.04129	1.08432	UP	UP
2001	TraesCS1B03G0376500	0.55479	2.96137	Down	Up
2002	TraesCS1B03G0378100	1.34224	0.38768	Up	Down
2004	TraesCS1B03G0378900	0.6853	1.43645	No	No
2006	TraesCS1B03G0380400	0.9745	0.86528	Down	Down
2007	TraesCS1B03G0381700	0.80762	1.21068	No	No
2008	TraesCS1B03G0382700	0.86282	0.52392	Down	Down
2009	TraesCS1B03G0384100	0.79032	0.93435	Down	Down
2010	TraesCS1B03G0385300	1.15985	25.9226	Up	Up
2011	TraesCS1B03G0385500	2.41436	0.33755	Up	Down
2012	TraesCS1B03G0388500	0.84698	1.79468	No	No
2013	TraesCS1B03G0389200	0.65748	2.25387	Down	Up
2014	TraesCS1B03G0389300	0.7388	1.09831	No	No
2015	TraesCS1B03G0389400	0.91695	1.32092	No	No
2016	TraesCS1B03G0389900	0.98974	0.90465	Down	Down
2017	TraesCS1B03G0393900	0.89606	2.17344	Down	Up

2018	TraesCS1B03G0394400	0.86005	0.79312	Down	Down
2019	TraesCS1B03G0394800	1.39868	1.43812	UP	UP
2020	TraesCS1B03G0395100	1.24775	5.92841	Up	Up
2022	TraesCS1B03G0396900	2.20154	1.78524	UP	UP
2024	TraesCS1B03G0397700	0.80487	2.02836	Down	Up
2026	TraesCS1B03G0399500	0.73522	1.0377	No	No
2030	TraesCS1B03G0401500	0.92739	0.56842	Down	Down
2031	TraesCS1B03G0401800	0.88034	3.25265	Down	Up
2032	TraesCS1B03G0403300	1.38629	1.50824	UP	UP
2033	TraesCS1B03G0403700	0.83679	1.78685	No	No
2034	TraesCS1B03G0405900	0.43081	1.64394	Down	Up
2037	TraesCS1B03G0409100	1.10379	1.26958	UP	UP
2038	TraesCS1B03G0409400	0.74662	0.42115	Down	Down
2039	TraesCS1B03G0410800	0.82286	1.38569	No	No
2040	TraesCS1B03G0411400	0.77992	0.73624	Down	Down
2043	TraesCS1B03G0413100	1.10753	1.8119	UP	UP
2044	TraesCS1B03G0413600	0.91144	1.17028	No	No
2045	TraesCS1B03G0415700	1.73968	1.23087	UP	UP
2046	TraesCS1B03G0419200	0.50002	1.02885	No	No
2047	TraesCS1B03G0424200	0.93241	0.50724	Down	Down
2048	TraesCS1B03G0424400	0.34604	0.60238	Down	Down
2049	TraesCS1B03G0425900	1.08027	0.78414	No	No
2050	TraesCS1B03G0427300	1.10251	1.39948	UP	UP
2051	TraesCS1B03G0428600	1.21004	2.23913	Up	Up
2053	TraesCS1B03G0429800	0.76516	0.89174	Down	Down
2054	TraesCS1B03G0430400	0.88995	1.37277	No	No
2055	TraesCS1B03G0432100	0.74801	1.40569	No	No
2056	TraesCS1B03G0432400	1.09849	2.31032	Up	Up
2057	TraesCS1B03G0432500	0.87446	0.69612	Down	Down
2058	TraesCS1B03G0433300	1.06336	0.47493	Up	Down
2059	TraesCS1B03G0433500	1.02003	1.80657	UP	UP
2060	TraesCS1B03G0435100	1.09319	0.98562	No	No
2061	TraesCS1B03G0436100	0.99456	1.27668	No	No
2062	TraesCS1B03G0437500	1.24615	1.12924	UP	UP
2063	TraesCS1B03G0438100	0.94227	6.64761	Down	Up
2064	TraesCS1B03G0438200	0.96676	2.4534	Down	Up
2065	TraesCS1B03G0438200	0.87661	1.01757	No	No
2068	TraesCS1B03G0439800	0.6761	1.62194	No	No
2069	TraesCS1B03G0440300	0.87953	0.93483	Down	Down
2071	TraesCS1B03G0442100	1.12908	0.80264	No	No
2072	TraesCS1B03G0442700	1.14707	0.63526	No	No
2073	TraesCS1B03G0443400	2.03083	3.89324	Up	Up
2074	TraesCS1B03G0444200	0.9153	1.10326	No	No
2076	TraesCS1B03G0445900	0.7457	1.35669	No	No
2077	TraesCS1B03G0446700	0.81565	0.38152	Down	Down
2078	TraesCS1B03G0447400	1.00189	0.73026	No	No
2079	TraesCS1B03G0447400	0.73891	1.76172	No	No
2082	TraesCS1B03G0448700	0.92738	2.15662	Down	Up
2083	TraesCS1B03G0448900	1.73741	1.54839	UP	UP
2084	TraesCS1B03G0450000	0.83421	0.56461	Down	Down
2086	TraesCS1B03G0452200	0.85263	1.02287	No	No
2087	TraesCS1B03G0453000	1.1331	1.19457	UP	UP

2088	TraesCS1B03G0453100	1.40691	0.77942	No	No
2089	TraesCS1B03G0453200	1.16089	0.51422	No	No
2090	TraesCS1B03G0453600	1.04372	1.78253	UP	UP
2093	TraesCS1B03G0455900	0.80118	1.58604	No	No
2095	TraesCS1B03G0457400	1.53775	0.92696	No	No
2096	TraesCS1B03G0457500	1.51862	2.90331	Up	Up
2097	TraesCS1B03G0460100	0.38675	1.38149	Down	Up
2098	TraesCS1B03G0460100	2.63338	1.51329	Up	Up
2099	TraesCS1B03G0461100	1.15493	1.58311	UP	UP
2100	TraesCS1B03G0462000	0.56932	1.37647	No	No
2101	TraesCS1B03G0462100	1.49103	0.82551	No	No
2102	TraesCS1B03G0462300	0.81512	0.71998	Down	Down
2103	TraesCS1B03G0462400	1.00286	2.05777	Up	Up
2104	TraesCS1B03G0462600	2.02171	0.76914	Up	Down
2106	TraesCS1B03G0465500	0.79951	0.99651	Down	Down
2107	TraesCS1B03G0465700	1.28628	0.85741	No	No
2108	TraesCS1B03G0467300	0.92243	1.19223	No	No
2109	TraesCS1B03G0468100	0.8743	0.90716	Down	Down
2110	TraesCS1B03G0468700	0.8992	0.90446	Down	Down
2111	TraesCS1B03G0468800	0.37537	4.26343	Down	Up
2112	TraesCS1B03G0472200	1.82654	0.30114	Up	Down
2113	TraesCS1B03G0472300	1.26803	0.51679	No	No
2114	TraesCS1B03G0473000	0.49964	1.50694	Down	Up
2118	TraesCS1B03G0477200	1.00711	0.9076	No	No
2119	TraesCS1B03G0478000	0.78111	0.53902	Down	Down
2120	TraesCS1B03G0478300	1.57944	1.32493	UP	UP
2123	TraesCS1B03G0480300	1.00075	0.98253	No	No
2124	TraesCS1B03G0482000	1.05037	0.96425	No	No
2125	TraesCS1B03G0482100	0.8963	1.53698	No	No
2126	TraesCS1B03G0482300	1.17485	2.94975	Up	Up
2127	TraesCS1B03G0483000	0.78608	1.27101	No	No
2128	TraesCS1B03G0483300	1.28218	0.64343	No	No
2129	TraesCS1B03G0483800	1.01626	1.05113	UP	UP
2130	TraesCS1B03G0484000	1.45496	1.07266	UP	UP
2133	TraesCS1B03G0485000	1.09269	0.84249	No	No
2134	TraesCS1B03G0485200	0.88788	1.18039	No	No
2135	TraesCS1B03G0485500	0.96464	1.06436	No	No
2136	TraesCS1B03G0485900	1.02486	1.00889	UP	UP
2137	TraesCS1B03G0486400	0.74455	1.82343	No	No
2139	TraesCS1B03G0488700	0.89758	1.18327	No	No
2141	TraesCS1B03G0488900	1.19607	1.06664	UP	UP
2142	TraesCS1B03G0489200	1.25212	1.15519	UP	UP
2144	TraesCS1B03G0492700	0.66682	1.21889	No	No
2145	TraesCS1B03G0493200	0.85613	1.15245	No	No
2147	TraesCS1B03G0494600	1.50522	1.75499	UP	UP
2148	TraesCS1B03G0494800	0.87997	0.97555	Down	Down
2150	TraesCS1B03G0496900	0.93532	0.89067	Down	Down
2152	TraesCS1B03G0497800	0.96105	0.4419	Down	Down
2153	TraesCS1B03G0498800	1.22323	1.15004	UP	UP
2154	TraesCS1B03G0499300	1.2503	1.5426	UP	UP
2155	TraesCS1B03G0501900	0.94202	1.16328	No	No
2156	TraesCS1B03G0502600	1.20539	0.98182	No	No

2157	TraesCS1B03G0502700	1.02033	1.69447	UP	UP
2158	TraesCS1B03G0503200	1.2316	0.83854	No	No
2159	TraesCS1B03G0505700	0.92924	0.93664	Down	Down
2160	TraesCS1B03G0505900	0.52885	1.77142	No	No
2161	TraesCS1B03G0506100	0.81479	1.62119	No	No
2162	TraesCS1B03G0507000	1.2916	1.317	UP	UP
2164	TraesCS1B03G0508900	1.25922	1.2146	UP	UP
2165	TraesCS1B03G0509100	0.96839	1.36467	No	No
2166	TraesCS1B03G0510900	1.05379	1.32708	UP	UP
2168	TraesCS1B03G0512400	1.24665	1.40169	UP	UP
2169	TraesCS1B03G0512500	0.53401	0.7616	Down	Down
2170	TraesCS1B03G0513400	0.97573	1.19321	No	No
2171	TraesCS1B03G0513500	1.3534	1.166	UP	UP
2172	TraesCS1B03G0514800	1.06394	0.74706	No	No
2173	TraesCS1B03G0515400	0.90208	0.97242	Down	Down
2174	TraesCS1B03G0515500	1.11502	2.28849	Up	Up
2175	TraesCS1B03G0516100	1.24905	6.2605	Up	Up
2176	TraesCS1B03G0516400	1.19336	1.60215	UP	UP
2177	TraesCS1B03G0516500	1.12742	0.51259	No	No
2179	TraesCS1B03G0517600	0.83236	2.08676	Down	Up
2180	TraesCS1B03G0517700	1.35123	1.23004	UP	UP
2181	TraesCS1B03G0517800	0.56795	2.49752	Down	Up
2182	TraesCS1B03G0518100	0.70593	1.4066	No	No
2183	TraesCS1B03G0518300	0.90017	1.17589	No	No
2184	TraesCS1B03G0519600	0.81785	0.48625	Down	Down
2185	TraesCS1B03G0521200	0.77131	0.85955	Down	Down
2186	TraesCS1B03G0521300	0.86471	0.91697	Down	Down
2187	TraesCS1B03G0521800	0.52381	0.89845	Down	Down
2188	TraesCS1B03G0522500	1.04201	1.06099	UP	UP
2190	TraesCS1B03G0528300	0.93465	1.25365	No	No
2191	TraesCS1B03G0528400	1.0576	0.59612	No	No
2192	TraesCS1B03G0528500	0.98675	1.67388	No	No
2193	TraesCS1B03G0529000	2.33349	2.66606	UP	UP
2194	TraesCS1B03G0530000	1.07506	0.57067	No	No
2195	TraesCS1B03G0532700	1.12006	0.70374	No	No
2196	TraesCS1B03G0532800	1.14386	1.06044	UP	UP
2197	TraesCS1B03G0533000	0.8397	1.73155	No	No
2198	TraesCS1B03G0533200	0.54963	2.31737	Down	Up
2199	TraesCS1B03G0533700	0.98917	2.05341	Down	Up
2200	TraesCS1B03G0534000	0.31792	1.51757	Down	Up
2201	TraesCS1B03G0534400	1.41457	0.459	Up	Down
2202	TraesCS1B03G0535100	1.44996	1.01323	UP	UP
2204	TraesCS1B03G0535900	0.88031	0.82082	Down	Down
2205	TraesCS1B03G0536200	0.95697	1.28331	No	No
2206	TraesCS1B03G0536700	1.00551	0.76405	No	No
2207	TraesCS1B03G0536900	0.66206	0.95336	Down	Down
2208	TraesCS1B03G0537300	1.09337	1.66563	UP	UP
2209	TraesCS1B03G0537900	0.98077	1.00779	No	No
2210	TraesCS1B03G0538800	1.27233	2.38398	Up	Up
2211	TraesCS1B03G0539000	1.05685	0.71266	No	No
2212	TraesCS1B03G0539400	2.28082	0.50237	Up	Down
2213	TraesCS1B03G0540000	0.8491	1.55609	No	No

2214	TraesCS1B03G0540500	1.23772	0.81089	No	No
2215	TraesCS1B03G0541100	0.91184	0.24296	Down	Down
2216	TraesCS1B03G0541300	0.56917	0.65116	Down	Down
2217	TraesCS1B03G0541400	0.8114	1.54853	No	No
2218	TraesCS1B03G0544000	0.82035	1.61683	No	No
2219	TraesCS1B03G0544500	1.05342	1.2833	UP	UP
2220	TraesCS1B03G0545600	1.32067	1.29581	UP	UP
2221	TraesCS1B03G0545700	1.33515	0.70736	No	No
2222	TraesCS1B03G0545700	2.44818	0.5695	Up	Down
2223	TraesCS1B03G0546200	0.6917	1.11373	No	No
2224	TraesCS1B03G0547100	1.13307	1.35349	UP	UP
2225	TraesCS1B03G0547200	1.62597	0.64477	No	No
2226	TraesCS1B03G0547500	1.39468	0.73978	No	No
2227	TraesCS1B03G0547800	1.04347	2.77287	Up	Up
2228	TraesCS1B03G0548800	0.8326	0.77826	Down	Down
2229	TraesCS1B03G0548800	1.3063	0.93208	No	No
2230	TraesCS1B03G0549100	0.73343	0.32995	Down	Down
2231	TraesCS1B03G0549200	0.67243	4.5818	Down	Up
2232	TraesCS1B03G0549500	0.53399	0.40178	Down	Down
2233	TraesCS1B03G0549700	0.77134	0.9153	Down	Down
2235	TraesCS1B03G0550200	1.09747	1.16531	UP	UP
2236	TraesCS1B03G0550500	0.81732	2.0194	Down	Up
2237	TraesCS1B03G0550600	0.8311	0.78094	Down	Down
2238	TraesCS1B03G0550600	0.69655	2.46192	Down	Up
2239	TraesCS1B03G0550700	0.96959	2.77801	Down	Up
2240	TraesCS1B03G0551400	0.9904	1.13461	No	No
2242	TraesCS1B03G0551700	0.97638	0.16179	Down	Down
2243	TraesCS1B03G0552000	0.88057	0.41683	Down	Down
2244	TraesCS1B03G0552100	0.98318	1.49605	No	No
2245	TraesCS1B03G0552200	0.98987	1.48411	No	No
2246	TraesCS1B03G0552300	1.06501	1.58713	UP	UP
2247	TraesCS1B03G0552400	0.882	1.3393	No	No
2248	TraesCS1B03G0554000	1.02489	0.66107	No	No
2249	TraesCS1B03G0559500	0.5253	0.10806	Down	Down
2250	TraesCS1B03G0559600	1.30638	0.87627	No	No
2251	TraesCS1B03G0560300	1.04123	1.61362	UP	UP
2253	TraesCS1B03G0560900	0.935	0.90417	Down	Down
2254	TraesCS1B03G0561000	1.16891	0.92289	No	No
2255	TraesCS1B03G0561600	1.75962	1.42933	UP	UP
2256	TraesCS1B03G0561700	0.66443	1.91386	No	No
2257	TraesCS1B03G0561700	0.77056	2.41074	Down	Up
2258	TraesCS1B03G0562000	0.37163	1.81394	Down	Up
2259	TraesCS1B03G0562200	1.07757	0.38862	Up	Down
2260	TraesCS1B03G0563000	0.94514	2.19906	Down	Up
2261	TraesCS1B03G0563100	1.08312	0.75134	No	No
2262	TraesCS1B03G0563500	0.47816	2.58285	Down	Up
2263	TraesCS1B03G0563600	1.07948	0.46808	Up	Down
2264	TraesCS1B03G0564700	0.83134	0.52536	Down	Down
2266	TraesCS1B03G0565000	1.55995	0.6111	No	No
2267	TraesCS1B03G0565300	1.48781	0.61752	No	No
2268	TraesCS1B03G0567100	0.38531	2.18354	Down	Up
2269	TraesCS1B03G0567600	0.93487	1.42014	No	No

2270	TraesCS1B03G0568300	0.75079	1.74792	No	No
2271	TraesCS1B03G0568700	1.14283	0.38001	Up	Down
2276	TraesCS1B03G0572900	0.96253	0.96342	Down	Down
2278	TraesCS1B03G0574000	3.48754	4.44521	Up	Up
2279	TraesCS1B03G0574200	11.445	1.01272	Up	Up
2280	TraesCS1B03G0574600	0.53067	1.1016	No	No
2281	TraesCS1B03G0574900	2.47249	0.72228	Up	Down
2282	TraesCS1B03G0575500	1.44871	1.59031	UP	UP
2283	TraesCS1B03G0576300	1.39187	1.02314	UP	UP
2284	TraesCS1B03G0576800	1.10673	1.53194	UP	UP
2285	TraesCS1B03G0577000	1.22018	0.84906	No	No
2286	TraesCS1B03G0577400	1.14061	0.91762	No	No
2287	TraesCS1B03G0578000	0.85539	1.28861	No	No
2288	TraesCS1B03G0578200	0.89382	1.55655	No	No
2289	TraesCS1B03G0578400	0.87194	0.62743	Down	Down
2290	TraesCS1B03G0579100	0.88925	0.84718	Down	Down
2291	TraesCS1B03G0579400	0.71475	1.80109	No	No
2293	TraesCS1B03G0581000	1.0511	1.24741	UP	UP
2294	TraesCS1B03G0581300	0.6572	1.33017	No	No
2295	TraesCS1B03G0581700	0.86667	1.59169	No	No
2296	TraesCS1B03G0581900	0.73177	2.45918	Down	Up
2297	TraesCS1B03G0582300	0.73191	1.28108	No	No
2298	TraesCS1B03G0582400	0.99527	2.32942	Down	Up
2299	TraesCS1B03G0582700	1.14964	0.69415	No	No
2300	TraesCS1B03G0583100	1.02597	2.50519	Up	Up
2301	TraesCS1B03G0583300	0.95209	1.35815	No	No
2302	TraesCS1B03G0583400	1.00033	1.09791	UP	UP
2303	TraesCS1B03G0583700	0.8214	1.90929	No	No
2304	TraesCS1B03G0583900	0.43876	1.70596	Down	Up
2305	TraesCS1B03G0584000	0.89431	1.41366	No	No
2306	TraesCS1B03G0584800	1.27506	0.43696	Up	Down
2307	TraesCS1B03G0586300	0.81267	1.71373	No	No
2308	TraesCS1B03G0586500	1.12137	2.19848	Up	Up
2309	TraesCS1B03G0587000	1.16354	0.62818	No	No
2312	TraesCS1B03G0587500	0.97534	1.82403	No	No
2313	TraesCS1B03G0587600	1.02246	0.26724	Up	Down
2314	TraesCS1B03G0587700	0.95001	0.33966	Down	Down
2315	TraesCS1B03G0588300	1.13855	2.13913	Up	Up
2318	TraesCS1B03G0590400	1.17505	0.72674	No	No
2319	TraesCS1B03G0590500	1.48257	0.95796	No	No
2320	TraesCS1B03G0590500	1.06834	1.12704	UP	UP
2321	TraesCS1B03G0591000	0.80933	1.40486	No	No
2323	TraesCS1B03G0591700	0.82738	0.80197	Down	Down
2324	TraesCS1B03G0592200	1.01712	1.77836	UP	UP
2325	TraesCS1B03G0592400	2.66823	0.7395	Up	Down
2326	TraesCS1B03G0592500	1.52657	0.49547	Up	Down
2327	TraesCS1B03G0593700	1.87224	0.74828	No	No
2328	TraesCS1B03G0594300	0.80323	0.59336	Down	Down
2329	TraesCS1B03G0594300	1.79058	2.03733	UP	UP
2330	TraesCS1B03G0594700	0.95145	2.04914	Down	Up
2333	TraesCS1B03G0596400	0.98559	0.89604	Down	Down
2334	TraesCS1B03G0596500	0.87853	1.05811	No	No

2335	TraesCS1B03G0596600	0.79491	1.12134	No	No
2339	TraesCS1B03G0597800	0.89481	1.20622	No	No
2340	TraesCS1B03G0598300	1.16223	0.86087	No	No
2341	TraesCS1B03G0598500	1.0535	1.1903	UP	UP
2343	TraesCS1B03G0599000	1.29265	1.307	UP	UP
2344	TraesCS1B03G0599200	0.97235	2.13397	Down	Up
2345	TraesCS1B03G0599800	0.86264	1.93519	No	No
2346	TraesCS1B03G0600400	1.04472	0.69587	No	No
2347	TraesCS1B03G0601000	1.09684	1.1913	UP	UP
2348	TraesCS1B03G0601300	0.95242	0.80469	Down	Down
2350	TraesCS1B03G0601900	0.98312	0.2874	Down	Down
2351	TraesCS1B03G0602000	1.28357	1.0812	UP	UP
2352	TraesCS1B03G0603200	0.8532	1.30095	No	No
2355	TraesCS1B03G0604000	1.19653	0.6006	No	No
2356	TraesCS1B03G0604700	0.65492	0.71166	Down	Down
2357	TraesCS1B03G0605100	0.83057	1.98966	No	No
2358	TraesCS1B03G0605700	1.11246	1.69395	UP	UP
2360	TraesCS1B03G0606100	0.55302	4.32493	Down	Up
2361	TraesCS1B03G0606600	0.8679	1.80624	No	No
2362	TraesCS1B03G0607400	0.82411	1.61021	No	No
2363	TraesCS1B03G0607600	1.15594	0.86205	No	No
2364	TraesCS1B03G0609800	0.96783	0.47356	Down	Down
2365	TraesCS1B03G0609900	0.72244	0.79302	Down	Down
2366	TraesCS1B03G0610100	1.08787	0.19488	Up	Down
2367	TraesCS1B03G0610200	1.25952	1.94681	UP	UP
2368	TraesCS1B03G0610300	0.83822	1.20203	No	No
2370	TraesCS1B03G0610500	0.55208	0.52994	Down	Down
2371	TraesCS1B03G0611500	0.76134	1.60654	No	No
2374	TraesCS1B03G0612000	0.94826	1.09428	No	No
2376	TraesCS1B03G0612400	1.10358	0.6781	No	No
2377	TraesCS1B03G0612700	0.83553	0.44751	Down	Down
2378	TraesCS1B03G0613500	1.076	1.22314	UP	UP
2379	TraesCS1B03G0613600	0.67411	0.4645	Down	Down
2380	TraesCS1B03G0613900	0.80723	0.79252	Down	Down
2381	TraesCS1B03G0614800	0.7667	1.67489	No	No
2382	TraesCS1B03G0614800	3.09927	2.24818	Up	Up
2384	TraesCS1B03G0615000	0.7972	11.9488	Down	Up
2385	TraesCS1B03G0615800	2.00979	1.20712	Up	Up
2386	TraesCS1B03G0616500	0.91865	1.04047	No	No
2387	TraesCS1B03G0617500	0.92661	0.37959	Down	Down
2388	TraesCS1B03G0617600	1.10582	1.45535	UP	UP
2389	TraesCS1B03G0618500	0.75364	1.23552	No	No
2390	TraesCS1B03G0618700	0.84785	1.34532	No	No
2391	TraesCS1B03G0618900	0.91782	1.1785	No	No
2393	TraesCS1B03G0619200	2.02846	1.47692	Up	Up
2394	TraesCS1B03G0619200	1.89733	1.61687	UP	UP
2395	TraesCS1B03G0619600	0.87824	1.17165	No	No
2396	TraesCS1B03G0619700	1.53262	1.25541	UP	UP
2397	TraesCS1B03G0619800	0.9492	0.85399	Down	Down
2398	TraesCS1B03G0620000	1.07386	1.33173	UP	UP
2399	TraesCS1B03G0620100	0.65176	1.1719	No	No
2400	TraesCS1B03G0620900	0.74936	1.30183	No	No

2401	TraesCS1B03G0621100	0.73782	1.33913	No	No
2402	TraesCS1B03G0621200	1.19371	0.52331	No	No
2403	TraesCS1B03G0621300	0.76438	2.27593	Down	Up
2404	TraesCS1B03G0621800	1.20949	0.84887	No	No
2405	TraesCS1B03G0622700	1.02971	0.22513	Up	Down
2406	TraesCS1B03G0623800	1.20448	1.10928	UP	UP
2408	TraesCS1B03G0625000	0.90816	0.48185	Down	Down
2413	TraesCS1B03G0626900	0.92005	2.11664	Down	Up
2414	TraesCS1B03G0627700	0.53683	0.64145	Down	Down
2415	TraesCS1B03G0627800	0.97634	0.49334	Down	Down
2417	TraesCS1B03G0628500	1.35205	1.2741	UP	UP
2418	TraesCS1B03G0628600	1.94478	1.27317	UP	UP
2419	TraesCS1B03G0629000	1.18268	0.82234	No	No
2420	TraesCS1B03G0630700	0.81759	1.06939	No	No
2421	TraesCS1B03G0632100	0.80948	1.65892	No	No
2423	TraesCS1B03G0632700	1.21632	2.34505	Up	Up
2424	TraesCS1B03G0633600	1.01148	0.83294	No	No
2425	TraesCS1B03G0633700	1.57566	1.34943	UP	UP
2426	TraesCS1B03G0635300	1.26958	1.67171	UP	UP
2427	TraesCS1B03G0635400	0.74241	0.78596	Down	Down
2428	TraesCS1B03G0635600	1.49261	0.41007	Up	Down
2429	TraesCS1B03G0635900	1.57839	1.05512	UP	UP
2431	TraesCS1B03G0636400	0.7889	1.25209	No	No
2432	TraesCS1B03G0636600	0.7972	1.38905	No	No
2433	TraesCS1B03G0636700	1.23378	1.52973	UP	UP
2434	TraesCS1B03G0637200	1.41151	0.74251	No	No
2435	TraesCS1B03G0637300	1.22072	1.6692	UP	UP
2437	TraesCS1B03G0637700	0.78916	0.58194	Down	Down
2438	TraesCS1B03G0637800	0.88766	0.81722	Down	Down
2439	TraesCS1B03G0637800	0.92938	0.61486	Down	Down
2440	TraesCS1B03G0637900	1.27936	0.82237	No	No
2441	TraesCS1B03G0639500	1.23425	0.61736	No	No
2442	TraesCS1B03G0640500	0.85472	0.80722	Down	Down
2443	TraesCS1B03G0641300	0.72603	0.882	Down	Down
2444	TraesCS1B03G0642200	0.79028	0.52689	Down	Down
2445	TraesCS1B03G0642600	0.58967	0.83288	Down	Down
2446	TraesCS1B03G0642900	0.93434	1.15557	No	No
2447	TraesCS1B03G0644100	0.90334	8.52416	Down	Up
2448	TraesCS1B03G0645300	0.85509	1.57144	No	No
2449	TraesCS1B03G0646900	2.41371	1.38109	Up	Up
2450	TraesCS1B03G0647000	0.88303	1.20733	No	No
2451	TraesCS1B03G0648500	1.25552	0.49318	Up	Down
2452	TraesCS1B03G0649200	1.35164	1.57775	UP	UP
2453	TraesCS1B03G0649800	1.4423	1.34393	UP	UP
2454	TraesCS1B03G0650500	0.6853	4.14559	Down	Up
2455	TraesCS1B03G0650600	0.96455	0.47547	Down	Down
2456	TraesCS1B03G0652600	0.74592	0.07352	Down	Down
2457	TraesCS1B03G0652900	1.79631	2.91664	Up	Up
2458	TraesCS1B03G0653700	1.37204	1.69567	UP	UP
2459	TraesCS1B03G0654100	1.07104	1.69573	UP	UP
2460	TraesCS1B03G0654200	1.47	1.71778	UP	UP
2461	TraesCS1B03G0654300	0.77531	1.10958	No	No

2462	TraesCS1B03G0654500	0.90959	1.6669	No	No
2464	TraesCS1B03G0654800	1.0392	1.45052	UP	UP
2465	TraesCS1B03G0655300	1.3246	1.14752	UP	UP
2468	TraesCS1B03G0655900	1.51235	0.47095	Up	Down
2470	TraesCS1B03G0657500	1.27072	0.40085	Up	Down
2471	TraesCS1B03G0657900	0.96244	1.1808	No	No
2472	TraesCS1B03G0659400	1.00141	0.7001	No	No
2473	TraesCS1B03G0659500	0.78531	0.65251	Down	Down
2474	TraesCS1B03G0659600	1.18235	0.68168	No	No
2476	TraesCS1B03G0659900	0.56677	2.40745	Down	Up
2478	TraesCS1B03G0660100	1.1716	0.68216	No	No
2479	TraesCS1B03G0660200	0.93483	1.44325	No	No
2480	TraesCS1B03G0660800	1.06614	0.82864	No	No
2481	TraesCS1B03G0661000	1.1898	0.57484	No	No
2482	TraesCS1B03G0661100	0.69762	1.30001	No	No
2484	TraesCS1B03G0661500	0.96774	0.9951	Down	Down
2485	TraesCS1B03G0662300	0.55116	0.92781	Down	Down
2486	TraesCS1B03G0662800	0.84165	0.78708	Down	Down
2487	TraesCS1B03G0663400	0.9007	1.68296	No	No
2488	TraesCS1B03G0663700	1.22111	0.72568	No	No
2489	TraesCS1B03G0664100	0.77327	3.83687	Down	Up
2492	TraesCS1B03G0664400	1.1096	1.20769	UP	UP
2493	TraesCS1B03G0665100	1.29839	0.84112	No	No
2495	TraesCS1B03G0666600	0.97059	2.50438	Down	Up
2496	TraesCS1B03G0667100	0.64908	0.45861	Down	Down
2497	TraesCS1B03G0667300	0.68877	1.2624	No	No
2499	TraesCS1B03G0667500	0.82944	0.98139	Down	Down
2500	TraesCS1B03G0668600	1.01314	0.66636	No	No
2501	TraesCS1B03G0669400	0.84722	1.35222	No	No
2502	TraesCS1B03G0670800	0.95416	0.33605	Down	Down
2504	TraesCS1B03G0671400	0.38397	0.92077	Down	Down
2505	TraesCS1B03G0671700	1.01207	2.10325	Up	Up
2506	TraesCS1B03G0671800	0.70246	2.33939	Down	Up
2507	TraesCS1B03G0672600	1.13339	2.85417	Up	Up
2508	TraesCS1B03G0672700	1.0558	0.888	No	No
2509	TraesCS1B03G0672800	1.05497	1.9717	UP	UP
2510	TraesCS1B03G0672800	0.87152	0.38411	Down	Down
2511	TraesCS1B03G0672900	2.20914	0.58111	Up	Down
2514	TraesCS1B03G0673500	0.93415	1.48048	No	No
2518	TraesCS1B03G0676600	0.78026	1.21997	No	No
2519	TraesCS1B03G0676700	0.85487	0.3607	Down	Down
2520	TraesCS1B03G0676800	1.44201	0.68697	No	No
2521	TraesCS1B03G0677100	1.43933	0.47623	Up	Down
2522	TraesCS1B03G0677900	1.08417	1.18099	UP	UP
2523	TraesCS1B03G0678100	0.79565	1.44017	No	No
2524	TraesCS1B03G0678200	0.90318	1.64975	No	No
2525	TraesCS1B03G0678300	0.6847	0.86663	Down	Down
2527	TraesCS1B03G0679300	1.10962	0.46092	Up	Down
2528	TraesCS1B03G0680100	0.69616	1.05377	No	No
2529	TraesCS1B03G0680500	1.03722	0.8119	No	No
2530	TraesCS1B03G0681000	0.90562	3.05381	Down	Up
2532	TraesCS1B03G0681400	1.03834	1.298	UP	UP

2534	TraesCS1B03G0684600	0.49378	1.2823	Down	Up
2535	TraesCS1B03G0685000	1.42719	0.63564	No	No
2536	TraesCS1B03G0685800	0.97692	1.34994	No	No
2537	TraesCS1B03G0686000	1.08062	1.35554	UP	UP
2538	TraesCS1B03G0686300	1.48023	2.93814	Up	Up
2539	TraesCS1B03G0686700	0.68128	2.03485	Down	Up
2540	TraesCS1B03G0686900	1.03999	1.29214	UP	UP
2541	TraesCS1B03G0687800	1.54096	0.90832	No	No
2543	TraesCS1B03G0688200	1.56309	0.72873	No	No
2544	TraesCS1B03G0688800	0.66461	1.95123	No	No
2545	TraesCS1B03G0689100	1.15286	1.42846	UP	UP
2546	TraesCS1B03G0691500	0.61333	1.02013	No	No
2547	TraesCS1B03G0692600	0.86132	6.15635	Down	Up
2548	TraesCS1B03G0692800	1.20066	1.56963	UP	UP
2549	TraesCS1B03G0693000	0.98483	1.08973	No	No
2550	TraesCS1B03G0693100	1.03755	2.94726	Up	Up
2551	TraesCS1B03G0693200	1.20797	0.22709	Up	Down
2552	TraesCS1B03G0693300	1.06342	0.71485	No	No
2553	TraesCS1B03G0693600	1.7673	2.27021	Up	Up
2556	TraesCS1B03G0694300	1.25116	1.90054	UP	UP
2557	TraesCS1B03G0694500	0.44752	0.76392	Down	Down
2559	TraesCS1B03G0697200	1.2247	0.29249	Up	Down
2560	TraesCS1B03G0697300	0.90897	0.32198	Down	Down
2561	TraesCS1B03G0698100	0.83922	0.87881	Down	Down
2562	TraesCS1B03G0698500	0.88336	1.16199	No	No
2563	TraesCS1B03G0698700	1.23918	1.34568	UP	UP
2564	TraesCS1B03G0699900	1.23153	0.93569	No	No
2565	TraesCS1B03G0700000	1.21119	1.0399	UP	UP
2566	TraesCS1B03G0701500	0.74899	1.33999	No	No
2567	TraesCS1B03G0701600	0.99676	1.59406	No	No
2570	TraesCS1B03G0702000	1.30235	0.76182	No	No
2572	TraesCS1B03G0702400	0.91752	0.79254	Down	Down
2573	TraesCS1B03G0704300	0.94885	0.96028	Down	Down
2574	TraesCS1B03G0705900	0.62182	0.26609	Down	Down
2575	TraesCS1B03G0706100	1.30384	0.44204	Up	Down
2576	TraesCS1B03G0706300	0.93059	2.09497	Down	Up
2577	TraesCS1B03G0707100	0.89827	1.40796	No	No
2578	TraesCS1B03G0707300	0.7199	3.65376	Down	Up
2579	TraesCS1B03G0707600	0.88277	1.11048	No	No
2580	TraesCS1B03G0708000	0.74311	2.90725	Down	Up
2582	TraesCS1B03G0708800	0.75995	1.04763	No	No
2583	TraesCS1B03G0709800	0.9105	0.87492	Down	Down
2584	TraesCS1B03G0710100	1.12971	0.32142	Up	Down
2585	TraesCS1B03G0710100	1.22349	0.29258	Up	Down
2586	TraesCS1B03G0710600	1.1978	0.85443	No	No
2587	TraesCS1B03G0711100	0.84433	2.57277	Down	Up
2588	TraesCS1B03G0711800	0.30145	6.66225	Down	Up
2589	TraesCS1B03G0711900	0.44329	0.8242	Down	Down
2590	TraesCS1B03G0712000	0.64266	2.5154	Down	Up
2591	TraesCS1B03G0712400	0.79554	2.38158	Down	Up
2593	TraesCS1B03G0714500	0.89587	0.75454	Down	Down
2594	TraesCS1B03G0714900	1.02873	2.44859	Up	Up

2595	TraesCS1B03G0715700	0.82258	1.39204	No	No
2596	TraesCS1B03G0716000	1.06026	0.34298	Up	Down
2597	TraesCS1B03G0716000	0.50299	0.50996	Down	Down
2599	TraesCS1B03G0717200	0.98623	0.3395	Down	Down
2600	TraesCS1B03G0717300	1.12299	1.3205	UP	UP
2601	TraesCS1B03G0718300	0.6459	1.65053	No	No
2602	TraesCS1B03G0718600	1.02027	0.43759	Up	Down
2603	TraesCS1B03G0718700	1.21883	1.07748	UP	UP
2605	TraesCS1B03G0719800	1.03655	0.87344	No	No
2606	TraesCS1B03G0720100	0.98944	0.43712	Down	Down
2607	TraesCS1B03G0721400	0.89586	1.89379	No	No
2608	TraesCS1B03G0722200	0.8717	1.31197	No	No
2609	TraesCS1B03G0723100	0.93842	1.10309	No	No
2610	TraesCS1B03G0723300	1.05164	0.96658	No	No
2611	TraesCS1B03G0723500	0.83787	0.53245	Down	Down
2612	TraesCS1B03G0723700	0.97415	1.21552	No	No
2613	TraesCS1B03G0724700	0.86625	1.91686	No	No
2614	TraesCS1B03G0724900	0.68933	2.99762	Down	Up
2615	TraesCS1B03G0725000	0.80154	1.92313	No	No
2617	TraesCS1B03G0725400	0.9998	0.82391	Down	Down
2618	TraesCS1B03G0725800	0.6297	2.05058	Down	Up
2619	TraesCS1B03G0726800	0.96174	0.71412	Down	Down
2621	TraesCS1B03G0728600	1.06768	0.96985	No	No
2622	TraesCS1B03G0729200	0.65113	1.3002	No	No
2623	TraesCS1B03G0729500	1.6181	0.23609	Up	Down
2624	TraesCS1B03G0729600	0.70989	2.07902	Down	Up
2625	TraesCS1B03G0729700	0.8997	1.54215	No	No
2626	TraesCS1B03G0730300	1.03934	1.3284	UP	UP
2627	TraesCS1B03G0730400	0.81873	0.71168	Down	Down
2628	TraesCS1B03G0731200	1.04724	1.51113	UP	UP
2629	TraesCS1B03G0731800	1.89674	7.62266	Up	Up
2630	TraesCS1B03G0731800	1.37858	0.26708	Up	Down
2631	TraesCS1B03G0732700	0.93109	0.50417	Down	Down
2632	TraesCS1B03G0733000	0.74979	1.82774	No	No
2633	TraesCS1B03G0733100	0.74473	1.16853	No	No
2634	TraesCS1B03G0733900	1.29451	0.54837	No	No
2635	TraesCS1B03G0734000	0.96641	1.17092	No	No
2636	TraesCS1B03G0734100	1.11867	1.10094	UP	UP
2637	TraesCS1B03G0734200	1.05009	1.05419	UP	UP
2638	TraesCS1B03G0734300	1.1123	0.58273	No	No
2639	TraesCS1B03G0734800	0.83119	0.57079	Down	Down
2640	TraesCS1B03G0734800	1.41602	0.26238	Up	Down
2641	TraesCS1B03G0734900	0.9811	1.20232	No	No
2642	TraesCS1B03G0735000	0.82159	1.3433	No	No
2643	TraesCS1B03G0735800	0.44948	5.91308	Down	Up
2644	TraesCS1B03G0735900	0.53114	1.28883	No	No
2645	TraesCS1B03G0737500	0.64805	1.25875	No	No
2646	TraesCS1B03G0738000	1.30443	0.74264	No	No
2649	TraesCS1B03G0739000	0.86044	0.6828	Down	Down
2650	TraesCS1B03G0739200	1.06713	0.63126	No	No
2652	TraesCS1B03G0739700	0.84124	1.25507	No	No
2653	TraesCS1B03G0739900	1.054	0.37246	Up	Down

2654	TraesCS1B03G0740000	0.6636	1.77813	No	No
2656	TraesCS1B03G0740900	1.51858	0.84805	No	No
2657	TraesCS1B03G0741000	0.81511	0.48456	Down	Down
2658	TraesCS1B03G0741500	1.3065	0.90162	No	No
2659	TraesCS1B03G0741600	1.00318	0.46073	Up	Down
2660	TraesCS1B03G0741600	1.65474	2.54796	Up	Up
2661	TraesCS1B03G0741900	0.95378	0.99857	Down	Down
2663	TraesCS1B03G0743300	0.99927	1.57949	No	No
2665	TraesCS1B03G0743900	1.08183	1.57362	UP	UP
2666	TraesCS1B03G0744200	0.89849	1.31054	No	No
2667	TraesCS1B03G0745100	0.58261	0.18568	Down	Down
2668	TraesCS1B03G0745200	0.84859	1.31764	No	No
2669	TraesCS1B03G0745900	0.93661	1.21088	No	No
2670	TraesCS1B03G0745900	1.18498	0.70581	No	No
2671	TraesCS1B03G0746000	1.43881	1.06963	UP	UP
2672	TraesCS1B03G0748200	0.97937	3.33562	Down	Up
2673	TraesCS1B03G0749800	1.08272	1.48569	UP	UP
2674	TraesCS1B03G0750000	0.67993	1.0916	No	No
2675	TraesCS1B03G0750100	0.85439	1.09503	No	No
2676	TraesCS1B03G0750300	1.16411	1.11766	UP	UP
2677	TraesCS1B03G0750400	0.81986	0.49381	Down	Down
2680	TraesCS1B03G0751300	0.67477	0.38474	Down	Down
2681	TraesCS1B03G0753700	0.6851	5.09498	Down	Up
2682	TraesCS1B03G0753800	0.79141	2.58363	Down	Up
2683	TraesCS1B03G0754000	0.93727	1.46943	No	No
2684	TraesCS1B03G0754000	2.00569	1.70107	UP	UP
2685	TraesCS1B03G0754200	0.9233	2.23621	Down	Up
2686	TraesCS1B03G0754300	0.74074	2.16125	Down	Up
2687	TraesCS1B03G0754600	0.91461	0.71515	Down	Down
2689	TraesCS1B03G0756000	0.65309	0.77064	Down	Down
2690	TraesCS1B03G0756200	1.37849	0.62114	No	No
2691	TraesCS1B03G0756500	1.10081	1.19655	UP	UP
2692	TraesCS1B03G0758600	0.88965	1.11784	No	No
2693	TraesCS1B03G0758900	0.95138	0.97055	Down	Down
2694	TraesCS1B03G0759600	0.4684	2.22812	Down	Up
2697	TraesCS1B03G0760400	1.5028	0.54314	No	No
2698	TraesCS1B03G0760500	1.09605	0.84992	No	No
2699	TraesCS1B03G0760600	0.94425	0.8707	Down	Down
2700	TraesCS1B03G0760700	0.52275	1.5749	No	No
2701	TraesCS1B03G0761000	1.00161	1.3297	UP	UP
2702	TraesCS1B03G0761100	0.78349	0.97885	Down	Down
2703	TraesCS1B03G0761600	1.15	0.71732	No	No
2704	TraesCS1B03G0762100	2.03247	1.38624	Up	Up
2705	TraesCS1B03G0762600	1.28159	0.74141	No	No
2706	TraesCS1B03G0763000	1.03539	0.83447	No	No
2707	TraesCS1B03G0763200	0.84982	2.16531	Down	Up
2708	TraesCS1B03G0763900	5.08632	0.49776	Up	Down
2709	TraesCS1B03G0764100	1.02491	1.06795	UP	UP
2710	TraesCS1B03G0764800	0.79036	1.37603	No	No
2711	TraesCS1B03G0766200	0.40253	1.15186	Down	Up
2712	TraesCS1B03G0766500	0.80843	1.57496	No	No
2713	TraesCS1B03G0766700	1.79399	0.4729	Up	Down

2714	TraesCS1B03G0767200	0.97694	0.30897	Down	Down
2715	TraesCS1B03G0767900	1.69096	1.9815	UP	UP
2716	TraesCS1B03G0768500	1.51312	1.78887	UP	UP
2717	TraesCS1B03G0769500	1.2605	2.01982	Up	Up
2718	TraesCS1B03G0770100	1.08104	0.93858	No	No
2719	TraesCS1B03G0771000	1.21685	3.62735	Up	Up
2720	TraesCS1B03G0772400	0.97889	1.48385	No	No
2721	TraesCS1B03G0773400	0.9699	0.28911	Down	Down
2722	TraesCS1B03G0775100	0.94702	1.04967	No	No
2725	TraesCS1B03G0776400	0.71444	1.15678	No	No
2726	TraesCS1B03G0776500	1.00792	1.19714	UP	UP
2727	TraesCS1B03G0776600	0.97236	0.3497	Down	Down
2728	TraesCS1B03G0777300	1.22999	0.71962	No	No
2729	TraesCS1B03G0778900	1.19335	1.56495	UP	UP
2730	TraesCS1B03G0779000	1.31237	2.48999	Up	Up
2731	TraesCS1B03G0779200	0.73088	1.58965	No	No
2732	TraesCS1B03G0779400	0.84846	1.71802	No	No
2733	TraesCS1B03G0779500	0.87697	1.40326	No	No
2734	TraesCS1B03G0779700	0.57001	2.64925	Down	Up
2735	TraesCS1B03G0780000	0.57408	10.0755	Down	Up
2736	TraesCS1B03G0781100	0.64726	3.24643	Down	Up
2738	TraesCS1B03G0783000	1.10825	1.15532	UP	UP
2739	TraesCS1B03G0783200	1.15469	2.44785	Up	Up
2740	TraesCS1B03G0783400	1.12956	1.7343	UP	UP
2742	TraesCS1B03G0784400	1.17213	0.8665	No	No
2743	TraesCS1B03G0786400	0.97683	0.99548	Down	Down
2745	TraesCS1B03G0787500	0.8778	2.80316	Down	Up
2746	TraesCS1B03G0788000	0.31784	1.1934	Down	Up
2747	TraesCS1B03G0788100	0.77641	7.17504	Down	Up
2748	TraesCS1B03G0788200	2.03572	10.9629	Up	Up
2749	TraesCS1B03G0788700	1.0902	0.70552	No	No
2750	TraesCS1B03G0788800	0.94312	0.71885	Down	Down
2751	TraesCS1B03G0789600	1.26255	1.24793	UP	UP
2752	TraesCS1B03G0790600	0.84556	5.52808	Down	Up
2753	TraesCS1B03G0791600	0.97163	1.7375	No	No
2754	TraesCS1B03G0791700	0.72551	1.992	No	No
2755	TraesCS1B03G0794000	1.04739	4.15115	Up	Up
2756	TraesCS1B03G0794600	1.43884	1.35893	UP	UP
2757	TraesCS1B03G0794700	1.18637	0.86352	No	No
2759	TraesCS1B03G0795600	0.82654	1.19668	No	No
2760	TraesCS1B03G0796700	1.19098	1.02677	UP	UP
2761	TraesCS1B03G0797600	0.6698	1.86236	No	No
2762	TraesCS1B03G0798200	0.75785	1.27513	No	No
2763	TraesCS1B03G0798400	0.87458	1.62694	No	No
2764	TraesCS1B03G0799200	1.05491	1.26583	UP	UP
2765	TraesCS1B03G0799300	1.62827	0.8135	No	No
2766	TraesCS1B03G0799600	0.81298	1.08696	No	No
2768	TraesCS1B03G0800600	1.21055	1.85992	UP	UP
2769	TraesCS1B03G0800900	1.45543	0.80143	No	No
2770	TraesCS1B03G0802400	0.49661	1.95623	Down	Up
2772	TraesCS1B03G0803000	1.37864	1.04341	UP	UP
2773	TraesCS1B03G0803600	1.6828	0.4571	Up	Down

2774	TraesCS1B03G0803700	1.07039	0.86179	No	No
2776	TraesCS1B03G0806900	1.0682	0.51413	No	No
2777	TraesCS1B03G0806900	1.43539	0.66091	No	No
2778	TraesCS1B03G0807000	1.22828	1.26408	UP	UP
2779	TraesCS1B03G0807600	1.11301	2.57232	Up	Up
2780	TraesCS1B03G0807700	1.77861	0.87408	No	No
2781	TraesCS1B03G0807800	1.36381	2.35515	Up	Up
2782	TraesCS1B03G0808500	1.09317	5.9144	Up	Up
2783	TraesCS1B03G0809200	1.45495	0.38885	Up	Down
2784	TraesCS1B03G0809400	1.09961	0.5209	No	No
2785	TraesCS1B03G0810500	1.29132	0.36241	Up	Down
2786	TraesCS1B03G0811300	0.54748	0.76409	Down	Down
2788	TraesCS1B03G0812200	1.71531	0.48613	Up	Down
2789	TraesCS1B03G0812300	0.73808	1.54394	No	No
2790	TraesCS1B03G0812400	1.03466	1.66085	UP	UP
2791	TraesCS1B03G0812500	1.25423	0.48138	Up	Down
2792	TraesCS1B03G0812700	0.6341	1.80649	No	No
2793	TraesCS1B03G0813000	0.56838	1.08684	No	No
2794	TraesCS1B03G0814100	1.27729	1.56016	UP	UP
2795	TraesCS1B03G0814700	0.91487	1.17417	No	No
2797	TraesCS1B03G0815000	1.26142	1.60058	UP	UP
2798	TraesCS1B03G0815600	1.45993	1.29388	UP	UP
2799	TraesCS1B03G0815700	0.86084	0.98833	Down	Down
2800	TraesCS1B03G0816800	1.28707	1.22136	UP	UP
2801	TraesCS1B03G0816900	0.89758	0.68617	Down	Down
2802	TraesCS1B03G0819100	0.79333	1.45351	No	No
2803	TraesCS1B03G0819700	1.03128	0.9741	No	No
2806	TraesCS1B03G0820600	1.05605	0.93991	No	No
2807	TraesCS1B03G0820700	2.01148	1.17709	Up	Up
2808	TraesCS1B03G0820800	0.99446	0.82542	Down	Down
2809	TraesCS1B03G0821000	1.11513	0.80908	No	No
2810	TraesCS1B03G0821900	0.96729	3.14464	Down	Up
2811	TraesCS1B03G0822000	0.83938	1.8755	No	No
2812	TraesCS1B03G0822100	0.58765	1.54407	No	No
2813	TraesCS1B03G0823400	0.56225	0.53522	Down	Down
2814	TraesCS1B03G0824100	1.78141	0.14877	Up	Down
2815	TraesCS1B03G0824400	1.0342	1.21249	UP	UP
2817	TraesCS1B03G0825500	0.64243	2.8557	Down	Up
2818	TraesCS1B03G0825600	1.09275	2.77849	Up	Up
2819	TraesCS1B03G0826800	1.10869	0.54509	No	No
2820	TraesCS1B03G0827000	1.0235	0.96446	No	No
2821	TraesCS1B03G0827100	0.94752	1.08985	No	No
2822	TraesCS1B03G0827200	0.76152	1.67086	No	No
2824	TraesCS1B03G0828300	0.74084	1.01618	No	No
2825	TraesCS1B03G0828400	0.99893	0.95041	Down	Down
2828	TraesCS1B03G0829600	0.52681	1.45285	No	No
2829	TraesCS1B03G0830700	0.26803	1.01773	Down	Up
2830	TraesCS1B03G0830800	0.5448	0.70559	Down	Down
2831	TraesCS1B03G0831000	1.01323	0.54414	No	No
2832	TraesCS1B03G0831300	0.30525	0.9468	Down	Down
2833	TraesCS1B03G0832300	0.96612	1.0335	No	No
2834	TraesCS1B03G0833400	1.03045	0.68948	No	No

2835	TraesCS1B03G0833700	0.91348	1.80884	No	No
2836	TraesCS1B03G0834500	0.82137	2.87134	Down	Up
2837	TraesCS1B03G0834600	1.16133	0.88626	No	No
2838	TraesCS1B03G0835000	1.33474	1.9449	UP	UP
2839	TraesCS1B03G0837900	0.64729	1.01937	No	No
2840	TraesCS1B03G0840600	1.27643	0.39338	Up	Down
2841	TraesCS1B03G0840700	0.70737	13.7186	Down	Up
2844	TraesCS1B03G0841400	1.08633	0.5073	No	No
2845	TraesCS1B03G0842400	1.12587	1.05698	UP	UP
2846	TraesCS1B03G0842600	0.9031	0.96997	Down	Down
2847	TraesCS1B03G0842800	0.86075	7.3538	Down	Up
2848	TraesCS1B03G0842900	1.54082	0.65902	No	No
2849	TraesCS1B03G0844500	1.18267	1.97076	UP	UP
2850	TraesCS1B03G0844900	1.26671	0.6809	No	No
2851	TraesCS1B03G0845600	1.6956	8.72095	Up	Up
2853	TraesCS1B03G0846800	0.81228	2.20373	Down	Up
2854	TraesCS1B03G0847600	0.65072	2.9967	Down	Up
2855	TraesCS1B03G0847700	0.82683	1.39428	No	No
2856	TraesCS1B03G0847800	1.82844	0.51067	No	No
2857	TraesCS1B03G0848500	1.23641	2.30369	Up	Up
2858	TraesCS1B03G0848700	0.93867	1.67801	No	No
2859	TraesCS1B03G0849200	0.89379	0.98656	Down	Down
2860	TraesCS1B03G0849500	0.81109	2.40145	Down	Up
2861	TraesCS1B03G0849800	15.4931	0.36055	Up	Down
2863	TraesCS1B03G0853300	0.21918	2.16192	Down	Up
2864	TraesCS1B03G0854300	0.7383	1.7113	No	No
2866	TraesCS1B03G0856300	1.02203	0.3458	Up	Down
2867	TraesCS1B03G0856500	1.03453	1.57651	UP	UP
2868	TraesCS1B03G0859300	0.74883	1.46291	No	No
2869	TraesCS1B03G0859400	0.82456	0.73601	Down	Down
2870	TraesCS1B03G0859400	1.01585	1.18865	UP	UP
2871	TraesCS1B03G0859500	0.62029	10.9097	Down	Up
2872	TraesCS1B03G0860000	1.09754	0.83996	No	No
2873	TraesCS1B03G0860100	0.65305	1.28248	No	No
2874	TraesCS1B03G0861700	0.93271	1.17387	No	No
2875	TraesCS1B03G0864500	0.81621	4.11554	Down	Up
2876	TraesCS1B03G0864600	0.85381	2.84294	Down	Up
2877	TraesCS1B03G0864700	0.81986	1.79313	No	No
2880	TraesCS1B03G0867500	1.0841	0.97561	No	No
2881	TraesCS1B03G0867700	0.89757	0.93091	Down	Down
2882	TraesCS1B03G0868300	1.21707	0.80175	No	No
2884	TraesCS1B03G0869000	0.98412	1.56234	No	No
2885	TraesCS1B03G0869100	0.80286	0.77851	Down	Down
2886	TraesCS1B03G0869200	1.13588	0.94753	No	No
2887	TraesCS1B03G0869800	0.97695	1.12287	No	No
2888	TraesCS1B03G0873100	1.06748	1.60171	UP	UP
2889	TraesCS1B03G0873200	0.65379	1.2071	No	No
2890	TraesCS1B03G0873400	0.83341	2.01715	Down	Up
2891	TraesCS1B03G0873500	1.14186	0.86148	No	No
2892	TraesCS1B03G0874400	1.05669	1.64085	UP	UP
2893	TraesCS1B03G0874500	0.57477	0.28937	Down	Down
2894	TraesCS1B03G0874700	1.07582	3.07608	Up	Up

2895	TraesCS1B03G0874800	0.79115	1.40919	No	No
2897	TraesCS1B03G0876200	1.28488	0.5474	No	No
2900	TraesCS1B03G0879300	1.26872	2.78371	Up	Up
2901	TraesCS1B03G0880700	1.27292	1.0884	UP	UP
2902	TraesCS1B03G0881400	0.83499	2.16578	Down	Up
2903	TraesCS1B03G0882200	1.4593	1.31229	UP	UP
2904	TraesCS1B03G0882300	1.08595	1.0153	UP	UP
2905	TraesCS1B03G0882400	0.62528	2.39625	Down	Up
2906	TraesCS1B03G0882600	1.64319	0.95564	No	No
2907	TraesCS1B03G0883900	0.4996	4.57937	Down	Up
2908	TraesCS1B03G0884900	1.7645	1.28954	UP	UP
2909	TraesCS1B03G0885100	1.18923	0.8981	No	No
2910	TraesCS1B03G0886000	2.16835	3.02552	Up	Up
2911	TraesCS1B03G0886600	0.86583	1.14795	No	No
2912	TraesCS1B03G0886700	0.88408	0.6726	Down	Down
2916	TraesCS1B03G0887600	0.8661	2.02442	Down	Up
2919	TraesCS1B03G0889300	1.25264	2.10612	Up	Up
2920	TraesCS1B03G0889500	1.97895	3.02439	Up	Up
2921	TraesCS1B03G0892300	0.74097	0.90269	Down	Down
2922	TraesCS1B03G0892400	0.79412	0.42189	Down	Down
2923	TraesCS1B03G0892900	0.96673	1.02119	No	No
2924	TraesCS1B03G0894300	0.67581	1.44401	No	No
2925	TraesCS1B03G0896200	0.67265	3.24571	Down	Up
2926	TraesCS1B03G0896600	0.96571	0.55102	Down	Down
2927	TraesCS1B03G0897500	1.0599	1.09116	UP	UP
2928	TraesCS1B03G0897700	1.01206	0.38776	Up	Down
2929	TraesCS1B03G0897800	0.91298	1.64901	No	No
2930	TraesCS1B03G0898000	1.42305	1.75696	UP	UP
2931	TraesCS1B03G0903900	1.117	1.66916	UP	UP
2932	TraesCS1B03G0904500	0.98647	0.57157	Down	Down
2934	TraesCS1B03G0906100	0.97805	0.49355	Down	Down
2937	TraesCS1B03G0908000	0.98183	1.17293	No	No
2941	TraesCS1B03G0909600	0.53709	0.72538	Down	Down
2942	TraesCS1B03G0909700	1.5693	1.21929	UP	UP
2943	TraesCS1B03G0911600	1.00575	0.66147	No	No
2944	TraesCS1B03G0913200	0.723	1.63638	No	No
2945	TraesCS1B03G0915800	0.70858	0.15528	Down	Down
2946	TraesCS1B03G0916800	1.33551	0.3715	Up	Down
2947	TraesCS1B03G0917100	0.71222	1.04104	No	No
2948	TraesCS1B03G0918000	0.92927	0.76218	Down	Down
2949	TraesCS1B03G0919000	1.34562	1.20421	UP	UP
2951	TraesCS1B03G0920200	0.58475	2.84991	Down	Up
2952	TraesCS1B03G0920800	1.316	0.56847	No	No
2953	TraesCS1B03G0922300	1.57343	0.75457	No	No
2954	TraesCS1B03G0924500	0.83023	0.63905	Down	Down
2955	TraesCS1B03G0925400	1.51894	0.31246	Up	Down
2956	TraesCS1B03G0925900	1.42754	0.65073	No	No
2959	TraesCS1B03G0929200	1.08311	0.99225	No	No
2960	TraesCS1B03G0929600	0.80021	1.23967	No	No
2961	TraesCS1B03G0930600	0.91679	1.13436	No	No
2962	TraesCS1B03G0931000	1.51466	0.55335	No	No
2963	TraesCS1B03G0931500	1.30351	0.1711	Up	Down

2964	TraesCS1B03G0934600	0.87311	1.63027	No	No
2965	TraesCS1B03G0934800	1.20441	0.99539	No	No
2966	TraesCS1B03G0934900	0.81482	1.40017	No	No
2967	TraesCS1B03G0935500	0.81079	1.03937	No	No
2968	TraesCS1B03G0938300	0.85134	1.18119	No	No
2969	TraesCS1B03G0938800	0.84525	1.16816	No	No
2972	TraesCS1B03G0940900	1.0705	1.18813	UP	UP
2973	TraesCS1B03G0941100	0.57708	0.75324	Down	Down
2974	TraesCS1B03G0944300	0.79598	1.17228	No	No
2975	TraesCS1B03G0944600	1.76538	2.26521	UP	UP
2976	TraesCS1B03G0944600	0.50991	0.48797	Down	Down
2977	TraesCS1B03G0945100	0.79691	2.16692	Down	Up
2978	TraesCS1B03G0945200	0.8264	1.5909	No	No
2979	TraesCS1B03G0945300	0.92087	0.65153	Down	Down
2980	TraesCS1B03G0945800	1.18296	1.14389	UP	UP
2981	TraesCS1B03G0946100	0.72506	0.98202	Down	Down
2982	TraesCS1B03G0946400	1.1828	0.78362	No	No
2983	TraesCS1B03G0947300	0.94712	0.87022	Down	Down
2984	TraesCS1B03G0947900	1.10409	0.67676	No	No
2985	TraesCS1B03G0948200	1.00003	0.23843	Up	Down
2986	TraesCS1B03G0948600	1.83852	0.58178	No	No
2987	TraesCS1B03G0948800	0.98018	1.73317	No	No
2988	TraesCS1B03G0949700	2.22335	0.94674	Up	Down
2990	TraesCS1B03G0950200	0.80754	0.85853	Down	Down
2991	TraesCS1B03G0950500	1.3168	0.86825	No	No
2992	TraesCS1B03G0950500	1.75563	1.26517	UP	UP
2994	TraesCS1B03G0951100	0.775	1.29391	No	No
2995	TraesCS1B03G0951200	0.73905	1.48073	No	No
2996	TraesCS1B03G0952700	1.64529	1.14402	UP	UP
2997	TraesCS1B03G0956500	0.60352	1.20615	No	No
2998	TraesCS1B03G0956700	0.77176	1.00269	No	No
3000	TraesCS1B03G0959000	0.81004	1.53497	No	No
3001	TraesCS1B03G0959700	0.8893	2.47471	Down	Up
3002	TraesCS1B03G0959800	0.96091	1.28096	No	No
3003	TraesCS1B03G0960000	1.61582	0.683	No	No
3004	TraesCS1B03G0960600	0.65257	1.17209	No	No
3005	TraesCS1B03G0960800	1.09438	0.97772	No	No
3006	TraesCS1B03G0961300	0.67867	1.60923	No	No
3007	TraesCS1B03G0962300	0.71734	0.68828	Down	Down
3008	TraesCS1B03G0962400	1.22365	0.94239	No	No
3009	TraesCS1B03G0962500	1.42212	2.12699	Up	Up
3010	TraesCS1B03G0962600	0.73358	2.49636	Down	Up
3011	TraesCS1B03G0962700	0.69656	1.00647	No	No
3012	TraesCS1B03G0963100	0.79478	1.48716	No	No
3013	TraesCS1B03G0963200	0.65118	1.34474	No	No
3014	TraesCS1B03G0963300	0.70091	3.52245	Down	Up
3016	TraesCS1B03G0966900	1.20697	1.54731	UP	UP
3017	TraesCS1B03G0967200	0.74301	0.95864	Down	Down
3018	TraesCS1B03G0968700	0.79609	1.25352	No	No
3019	TraesCS1B03G0971600	0.70898	2.36811	Down	Up
3020	TraesCS1B03G0971700	1.51109	3.88201	Up	Up
3021	TraesCS1B03G0973300	1.46466	1.05086	UP	UP

3023	TraesCS1B03G0974400	0.95695	1.53657	No	No
3024	TraesCS1B03G0974500	0.77564	0.67061	Down	Down
3026	TraesCS1B03G0981700	1.05707	0.16203	Up	Down
3027	TraesCS1B03G0982500	0.9043	0.51669	Down	Down
3028	TraesCS1B03G0982800	0.66953	1.65178	No	No
3029	TraesCS1B03G0983000	1.22743	0.54405	No	No
3030	TraesCS1B03G0983700	0.69428	1.6132	No	No
3031	TraesCS1B03G0984100	0.58692	8.40242	Down	Up
3032	TraesCS1B03G0984800	0.40934	4.91906	Down	Up
3033	TraesCS1B03G0987200	1.19678	1.27925	UP	UP
3034	TraesCS1B03G0988000	0.73838	1.47943	No	No
3035	TraesCS1B03G0988300	1.03611	0.64599	No	No
3037	TraesCS1B03G0989400	0.91704	1.34124	No	No
3038	TraesCS1B03G0990500	0.6108	2.12833	Down	Up
3039	TraesCS1B03G0990600	0.73075	1.79799	No	No
3041	TraesCS1B03G0994200	1.03656	0.67426	No	No
3042	TraesCS1B03G0994700	1.38732	4.15634	Up	Up
3043	TraesCS1B03G0994700	0.88962	0.92453	Down	Down
3044	TraesCS1B03G0995100	1.30127	1.51607	UP	UP
3046	TraesCS1B03G0996300	0.98578	1.10642	No	No
3047	TraesCS1B03G0998200	1.53992	0.6437	No	No
3048	TraesCS1B03G1000800	0.95409	1.42251	No	No
3049	TraesCS1B03G1000900	0.92375	1.04445	No	No
3050	TraesCS1B03G1001300	0.86954	2.65089	Down	Up
3051	TraesCS1B03G1001600	1.14286	0.78567	No	No
3052	TraesCS1B03G1001800	0.7639	0.77679	Down	Down
3053	TraesCS1B03G1002100	0.41259	1.73534	Down	Up
3054	TraesCS1B03G1002400	0.90871	1.66764	No	No
3055	TraesCS1B03G1002500	0.67694	2.28598	Down	Up
3056	TraesCS1B03G1002600	1.51459	0.3291	Up	Down
3057	TraesCS1B03G1004100	0.68963	5.78904	Down	Up
3059	TraesCS1B03G1004700	0.97045	0.43948	Down	Down
3060	TraesCS1B03G1006300	0.68357	1.6533	No	No
3061	TraesCS1B03G1006400	0.80226	1.26612	No	No
3062	TraesCS1B03G1007100	1.81473	0.34361	Up	Down
3064	TraesCS1B03G1010700	0.86737	1.77599	No	No
3066	TraesCS1B03G1013800	0.78848	2.67913	Down	Up
3067	TraesCS1B03G1014800	1.05554	1.71573	UP	UP
3069	TraesCS1B03G1015900	0.66111	1.6386	No	No
3070	TraesCS1B03G1017200	1.15837	1.4819	UP	UP
3071	TraesCS1B03G1017900	0.66424	0.89143	Down	Down
3072	TraesCS1B03G1018200	0.91777	1.8357	No	No
3073	TraesCS1B03G1018500	0.81914	1.31469	No	No
3074	TraesCS1B03G1018600	1.18915	0.56841	No	No
3075	TraesCS1B03G1018900	0.62941	0.84529	Down	Down
3076	TraesCS1B03G1019800	1.41677	1.09038	UP	UP
3077	TraesCS1B03G1019900	0.99008	0.87489	Down	Down
3078	TraesCS1B03G1021800	0.67539	2.92082	Down	Up
3079	TraesCS1B03G1022100	1.111	0.42528	Up	Down
3080	TraesCS1B03G1023100	1.09676	0.67879	No	No
3081	TraesCS1B03G1023800	1.68584	1.52154	UP	UP
3085	TraesCS1B03G1026900	0.71595	0.73449	Down	Down

3086	TraesCS1B03G1027000	1.27067	0.49866	Up	Down
3087	TraesCS1B03G1027100	0.87089	1.32448	No	No
3088	TraesCS1B03G1027900	0.80927	1.8487	No	No
3089	TraesCS1B03G1029200	1.16459	0.85871	No	No
3090	TraesCS1B03G1029300	1.2341	2.0924	Up	Up
3091	TraesCS1B03G1029400	0.82918	1.43103	No	No
3092	TraesCS1B03G1029500	0.76207	1.35455	No	No
3093	TraesCS1B03G1029600	0.47766	1.30002	Down	Up
3094	TraesCS1B03G1029700	0.91328	0.91182	Down	Down
3095	TraesCS1B03G1030100	1.28025	0.38025	Up	Down
3096	TraesCS1B03G1031700	0.68143	1.41277	No	No
3098	TraesCS1B03G1032500	0.71233	1.59334	No	No
3099	TraesCS1B03G1033100	0.33733	2.19661	Down	Up
3101	TraesCS1B03G1034700	1.20279	0.48753	Up	Down
3102	TraesCS1B03G1035500	0.62779	1.10767	No	No
3103	TraesCS1B03G1036100	1.24149	1.13302	UP	UP
3104	TraesCS1B03G1036300	0.89057	1.30404	No	No
3105	TraesCS1B03G1036500	0.72395	1.9995	No	No
3106	TraesCS1B03G1036600	0.77541	1.48376	No	No
3107	TraesCS1B03G1036800	1.14039	0.48974	Up	Down
3108	TraesCS1B03G1036800	0.90363	2.06146	Down	Up
3109	TraesCS1B03G1038300	1.26722	0.50901	No	No
3110	TraesCS1B03G1038700	0.92075	0.72744	Down	Down
3111	TraesCS1B03G1038800	1.16715	0.87855	No	No
3112	TraesCS1B03G1038900	1.26988	2.35159	Up	Up
3113	TraesCS1B03G1039100	1.79908	2.28663	UP	UP
3114	TraesCS1B03G1039700	0.66517	2.43763	Down	Up
3115	TraesCS1B03G1040500	0.86469	2.18174	Down	Up
3116	TraesCS1B03G1040600	0.8536	1.0653	No	No
3117	TraesCS1B03G1040700	0.86425	4.74444	Down	Up
3118	TraesCS1B03G1043800	0.84867	1.31667	No	No
3119	TraesCS1B03G1044700	0.83829	2.08595	Down	Up
3120	TraesCS1B03G1044700	0.92884	2.27942	Down	Up
3122	TraesCS1B03G1048300	1.10035	1.15367	UP	UP
3124	TraesCS1B03G1049800	0.93331	0.20989	Down	Down
3127	TraesCS1B03G1050600	1.4195	0.24265	Up	Down
3128	TraesCS1B03G1051000	0.51732	0.72483	Down	Down
3129	TraesCS1B03G1051100	0.85366	1.43552	No	No
3130	TraesCS1B03G1051200	1.84442	0.62303	No	No
3131	TraesCS1B03G1052700	1.14968	0.99357	No	No
3132	TraesCS1B03G1053800	1.0353	1.89694	UP	UP
3133	TraesCS1B03G1054000	1.11257	0.36604	Up	Down
3134	TraesCS1B03G1054200	1.52908	1.07076	UP	UP
3135	TraesCS1B03G1054700	0.66121	1.18227	No	No
3136	TraesCS1B03G1059300	0.84139	0.98186	Down	Down
3137	TraesCS1B03G1059900	1.38709	0.27152	Up	Down
3138	TraesCS1B03G1060500	0.98864	1.71074	No	No
3139	TraesCS1B03G1060600	0.5234	1.65454	No	No
3140	TraesCS1B03G1061300	0.3473	3.22126	Down	Up
3141	TraesCS1B03G1061800	1.01089	2.46176	Up	Up
3143	TraesCS1B03G1063800	1.17965	1.2615	UP	UP
3144	TraesCS1B03G1064200	1.05049	0.92653	No	No

3145	TraesCS1B03G1064400	0.77608	1.26922	No	No
3146	TraesCS1B03G1068000	1.09005	0.90351	No	No
3147	TraesCS1B03G1068500	1.21437	1.16749	UP	UP
3148	TraesCS1B03G1068800	1.47726	1.32242	UP	UP
3149	TraesCS1B03G1070400	1.05413	1.08962	UP	UP
3150	TraesCS1B03G1070600	1.22719	0.83395	No	No
3151	TraesCS1B03G1070700	1.14422	1.06766	UP	UP
3152	TraesCS1B03G1071300	0.956	0.15431	Down	Down
3153	TraesCS1B03G1071700	0.92939	0.63203	Down	Down
3154	TraesCS1B03G1072700	0.78681	3.54423	Down	Up
3155	TraesCS1B03G1073600	0.72888	1.92365	No	No
3156	TraesCS1B03G1073700	0.22857	2.48791	Down	Up
3159	TraesCS1B03G1076800	0.49988	1.12379	Down	Up
3160	TraesCS1B03G1077100	0.89254	1.69458	No	No
3161	TraesCS1B03G1079500	0.65683	1.51716	No	No
3162	TraesCS1B03G1080900	0.91585	1.69485	No	No
3163	TraesCS1B03G1081300	1.14199	2.05163	Up	Up
3164	TraesCS1B03G1081500	1.87265	0.30348	Up	Down
3165	TraesCS1B03G1081600	1.53642	0.46807	Up	Down
3166	TraesCS1B03G1083000	0.90975	1.71969	No	No
3167	TraesCS1B03G1083100	1.23176	1.16183	UP	UP
3168	TraesCS1B03G1085800	0.96571	0.40174	Down	Down
3169	TraesCS1B03G1087200	1.15207	1.57631	UP	UP
3170	TraesCS1B03G1087700	0.98958	1.28075	No	No
3171	TraesCS1B03G1087900	0.83623	1.3089	No	No
3174	TraesCS1B03G1099700	0.84365	0.99204	Down	Down
3175	TraesCS1B03G1102100	0.83909	0.7943	Down	Down
3176	TraesCS1B03G1102400	0.35271	18.0952	Down	Up
3177	TraesCS1B03G1102700	0.51998	1.57212	No	No
3178	TraesCS1B03G1103800	0.36272	9.31219	Down	Up
3179	TraesCS1B03G1103900	0.27658	17.0939	Down	Up
3180	TraesCS1B03G1104400	1.92569	0.65024	No	No
3181	TraesCS1B03G1106100	1.01143	1.37021	UP	UP
3182	TraesCS1B03G1106900	0.73463	2.2367	Down	Up
3183	TraesCS1B03G1114400	0.88532	1.17655	No	No
3185	TraesCS1B03G1117500	0.82565	1.6999	No	No
3186	TraesCS1B03G1118800	0.37461	5.57147	Down	Up
3188	TraesCS1B03G1119000	0.94909	2.41104	Down	Up
3189	TraesCS1B03G1119500	0.72954	1.1541	No	No
3190	TraesCS1B03G1119600	1.01637	1.67654	UP	UP
3191	TraesCS1B03G1120600	1.29875	2.07164	Up	Up
3192	TraesCS1B03G1120700	1.68952	0.63318	No	No
3194	TraesCS1B03G1123500	1.24962	0.24267	Up	Down
3195	TraesCS1B03G1123800	1.11682	0.777	No	No
3196	TraesCS1B03G1126300	0.63877	3.2713	Down	Up
3197	TraesCS1B03G1127000	0.99439	0.41906	Down	Down
3198	TraesCS1B03G1127300	0.4442	2.13238	Down	Up
3199	TraesCS1B03G1128600	0.98594	1.87217	No	No
3200	TraesCS1B03G1131700	0.92482	1.78822	No	No
3201	TraesCS1B03G1132200	0.50987	2.90824	Down	Up
3202	TraesCS1B03G1132300	0.9094	0.18677	Down	Down
3204	TraesCS1B03G1133400	0.68823	1.56827	No	No

3205	TraesCS1B03G1133600	0.6308	0.86116	Down	Down
3206	TraesCS1B03G1137100	1.86214	0.54617	No	No
3207	TraesCS1B03G1137300	0.87596	0.77372	Down	Down
3208	TraesCS1B03G1137900	0.67555	1.02907	No	No
3209	TraesCS1B03G1138000	1.02879	1.40165	UP	UP
3211	TraesCS1B03G1139600	0.94752	0.73126	Down	Down
3212	TraesCS1B03G1140000	0.63388	1.17631	No	No
3214	TraesCS1B03G1144000	1.04643	1.07178	UP	UP
3215	TraesCS1B03G1148100	0.88691	0.89725	Down	Down
3216	TraesCS1B03G1148500	0.74351	1.19379	No	No
3217	TraesCS1B03G1150200	0.96642	1.23689	No	No
3218	TraesCS1B03G1152500	0.97894	1.13399	No	No
3219	TraesCS1B03G1153400	1.43388	0.08568	Up	Down
3221	TraesCS1B03G1153700	0.61845	1.49733	No	No
3222	TraesCS1B03G1157100	0.78431	1.24203	No	No
3224	TraesCS1B03G1157600	0.85941	1.2858	No	No
3227	TraesCS1B03G1160300	0.97649	1.42682	No	No
3228	TraesCS1B03G1160400	0.70679	1.73954	No	No
3229	TraesCS1B03G1160800	0.9105	0.46034	Down	Down
3230	TraesCS1B03G1161000	0.4994	3.91339	Down	Up
3231	TraesCS1B03G1165300	0.70968	0.53041	Down	Down
3232	TraesCS1B03G1166100	0.83301	0.53114	Down	Down
3233	TraesCS1B03G1166600	0.84206	1.13276	No	No
3234	TraesCS1B03G1168500	0.54932	0.77629	Down	Down
3235	TraesCS1B03G1168600	0.75895	1.13987	No	No
3236	TraesCS1B03G1168700	0.64731	0.16823	Down	Down
3237	TraesCS1B03G1168800	0.82014	1.54284	No	No
3238	TraesCS1B03G1168900	0.76274	0.90862	Down	Down
3239	TraesCS1B03G1169100	0.84127	0.04932	Down	Down
3240	TraesCS1B03G1169500	0.77578	1.0214	No	No
3241	TraesCS1B03G1170500	0.8156	0.09014	Down	Down
3242	TraesCS1B03G1170600	0.94191	1.0625	No	No
3243	TraesCS1B03G1171300	0.70557	2.81376	Down	Up
3244	TraesCS1B03G1171700	1.08878	0.54405	No	No
3245	TraesCS1B03G1172500	0.90755	0.76277	Down	Down
3246	TraesCS1B03G1172600	0.90926	0.72481	Down	Down
3247	TraesCS1B03G1175500	0.93985	1.52397	No	No
3248	TraesCS1B03G1176600	0.81929	2.15603	Down	Up
3249	TraesCS1B03G1177300	4.76037	0.2078	Up	Down
3250	TraesCS1B03G1177500	0.85205	0.4806	Down	Down
3251	TraesCS1B03G1178100	1.04311	1.01276	UP	UP
3252	TraesCS1B03G1178800	1.17166	2.00956	Up	Up
3253	TraesCS1B03G1178900	1.52336	3.87241	Up	Up
3254	TraesCS1B03G1179000	0.90499	0.68812	Down	Down
3255	TraesCS1B03G1179200	1.15328	1.28994	UP	UP
3256	TraesCS1B03G1179600	1.09539	1.64738	UP	UP
3257	TraesCS1B03G1183000	0.9193	0.73007	Down	Down
3258	TraesCS1B03G1183200	0.79539	0.57751	Down	Down
3260	TraesCS1B03G1184200	0.83129	0.33879	Down	Down
3261	TraesCS1B03G1184600	0.7863	3.93732	Down	Up
3262	TraesCS1B03G1184900	1.1789	0.46311	Up	Down
3266	TraesCS1B03G1187100	1.07865	1.29202	UP	UP

3267	TraesCS1B03G1187400	2.38951	0.53113	Up	Down
3268	TraesCS1B03G1187500	1.10552	1.10332	UP	UP
3269	TraesCS1B03G1188000	0.997	1.18489	No	No
3270	TraesCS1B03G1190200	0.77866	0.9778	Down	Down
3271	TraesCS1B03G1190400	0.86849	0.73489	Down	Down
3276	TraesCS1B03G1192100	1.89606	0.92261	No	No
3277	TraesCS1B03G1192300	1.10892	0.83585	No	No
3278	TraesCS1B03G1192600	1.79314	1.77955	UP	UP
3279	TraesCS1B03G1195400	1.18848	0.2769	Up	Down
3280	TraesCS1B03G1195900	0.65846	1.25538	No	No
3281	TraesCS1B03G1197500	0.85778	4.04627	Down	Up
3282	TraesCS1B03G1197600	0.31697	7.08184	Down	Up
3283	TraesCS1B03G1198400	0.99327	0.98345	Down	Down
3285	TraesCS1B03G1200600	0.7907	1.18285	No	No
3286	TraesCS1B03G1200700	0.98665	0.76217	Down	Down
3287	TraesCS1B03G1203400	1.27778	1.20326	UP	UP
3288	TraesCS1B03G1203600	0.9281	1.93003	No	No
3289	TraesCS1B03G1205000	0.78554	0.60339	Down	Down
3290	TraesCS1B03G1205300	0.81217	0.67722	Down	Down
3292	TraesCS1B03G1205500	0.19076	0.39898	Down	Down
3293	TraesCS1B03G1205700	0.28522	0.44431	Down	Down
3294	TraesCS1B03G1205800	1.04519	1.47096	UP	UP
3295	TraesCS1B03G1205900	1.0449	1.38233	UP	UP
3296	TraesCS1B03G1206400	0.86082	1.55666	No	No
3298	TraesCS1B03G1207600	1.44808	1.15238	UP	UP
3300	TraesCS1B03G1208300	1.23241	5.70227	Up	Up
3301	TraesCS1B03G1208500	0.85871	1.06922	No	No
3302	TraesCS1B03G1209500	0.47963	0.07164	Down	Down
3303	TraesCS1B03G1210400	0.96727	1.33993	No	No
3304	TraesCS1B03G1210500	0.86764	2.41575	Down	Up
3305	TraesCS1B03G1210600	0.80463	2.36073	Down	Up
3306	TraesCS1B03G1211300	0.52509	1.40915	No	No
3307	TraesCS1B03G1211500	1.12919	0.22633	Up	Down
3308	TraesCS1B03G1211700	1.13234	0.47465	Up	Down
3309	TraesCS1B03G1214700	1.94311	1.51665	UP	UP
3310	TraesCS1B03G1215600	0.9542	1.03955	No	No
3311	TraesCS1B03G1218500	0.63767	10.7742	Down	Up
3313	TraesCS1B03G1221300	0.70551	1.28226	No	No
3314	TraesCS1B03G1223200	0.72833	2.78624	Down	Up
3315	TraesCS1B03G1224800	0.70272	2.14363	Down	Up
3317	TraesCS1B03G1225200	0.8344	0.60074	Down	Down
3319	TraesCS1B03G1226100	0.45006	1.2074	Down	Up
3320	TraesCS1B03G1230500	0.82213	1.52069	No	No
3321	TraesCS1B03G1232000	0.94345	1.40786	No	No
3322	TraesCS1B03G1232400	0.95798	1.50641	No	No
3324	TraesCS1B03G1232900	1.14184	0.67409	No	No
3328	TraesCS1B03G1235000	1.00645	1.31486	UP	UP
3329	TraesCS1B03G1235100	0.83942	0.83392	Down	Down
3331	TraesCS1B03G1237600	1.09742	0.111	Up	Down
3332	TraesCS1B03G1238200	1.35041	1.24099	UP	UP
3333	TraesCS1B03G1238300	0.71115	0.44637	Down	Down
3334	TraesCS1B03G1238700	0.93752	0.42489	Down	Down

3335	TraesCS1B03G1239000	1.10948	1.35144	UP	UP
3336	TraesCS1B03G1241400	1.33923	1.44374	UP	UP
3337	TraesCS1B03G1241900	1.0706	1.17278	UP	UP
3338	TraesCS1B03G1243300	0.86855	1.62782	No	No
3339	TraesCS1B03G1244500	0.47422	9.4322	Down	Up
3340	TraesCS1B03G1245800	1.06966	2.37215	Up	Up
3341	TraesCS1B03G1245900	0.95604	1.26967	No	No
3343	TraesCS1B03G1246800	2.31809	1.48218	Up	Up
3344	TraesCS1B03G1248500	1.28348	0.18391	Up	Down
3345	TraesCS1B03G1249300	1.29695	3.69183	Up	Up
3346	TraesCS1B03G1251000	0.99418	2.47041	Down	Up
3347	TraesCS1B03G1251400	1.13045	1.27587	UP	UP
3348	TraesCS1B03G1251900	0.9936	0.72788	Down	Down
3349	TraesCS1B03G1252000	0.59471	0.46586	Down	Down
3350	TraesCS1B03G1252100	1.22661	0.81998	No	No
3351	TraesCS1B03G1252300	0.59117	2.62578	Down	Up
3352	TraesCS1B03G1254800	1.11182	0.71994	No	No
3353	TraesCS1B03G1257700	1.06593	0.94781	No	No
3354	TraesCS1B03G1257800	1.05941	0.51046	No	No
3355	TraesCS1B03G1258700	0.46217	2.02246	Down	Up
3358	TraesCS1B03G1260800	0.96019	0.90814	Down	Down
3359	TraesCS1B03G1262500	1.4384	2.06546	Up	Up
3360	TraesCS1B03G1262600	0.34788	1.52649	Down	Up
3362	TraesCS1B03G1263500	1.06663	1.19923	UP	UP
3366	TraesCS1B03G1265300	0.84504	0.75626	Down	Down
3367	TraesCS1B03G1265400	0.73253	0.82675	Down	Down
3368	TraesCS1B03G1267100	0.76296	1.01708	No	No
3369	TraesCS1B03G1268200	0.68442	0.75001	Down	Down
3370	TraesCS1B03G1268300	0.89548	0.76933	Down	Down
3371	TraesCS1B03G1269100	0.5914	1.21824	No	No
3372	TraesCS1B03G1269100	0.78746	2.0944	Down	Up
3374	TraesCS1B03G1271100	1.01283	0.27753	Up	Down
3375	TraesCS1B03G1271300	0.65523	2.12647	Down	Up
3377	TraesCS1B03G1273900	1.05184	0.94181	No	No
3378	TraesCS1B03G1274000	0.85122	1.0142	No	No
3379	TraesCS1B03G1274100	0.98823	1.22016	No	No
3380	TraesCS1B03G1274400	1.35057	1.20656	UP	UP
3383	TraesCS1B03G1274800	1.70731	0.82782	No	No
3384	TraesCS1B03G1275100	1.59471	2.13269	Up	Up
3385	TraesCS1B03G1276000	1.00192	1.21915	UP	UP
3386	TraesCS1B03G1276100	1.04131	0.7381	No	No
3387	TraesCS1B03G1276600	0.90132	1.15935	No	No
3388	TraesCS1B03G1278300	0.91559	1.22638	No	No
3389	TraesCS1B03G1278400	0.93148	1.26025	No	No
3390	TraesCS1B03G1278900	0.93725	0.42471	Down	Down
3391	TraesCS1B03G1279500	0.5267	1.62275	No	No
3392	TraesCS1B03G1279500	1.24394	0.94577	No	No
3393	TraesCS1B03G1279700	0.58364	1.0648	No	No
3394	TraesCS1B03G1280000	1.34383	1.71738	UP	UP
3395	TraesCS1B03G1280200	0.9881	0.97295	Down	Down
3396	TraesCS1B03G1280800	1.11397	1.07766	UP	UP
3397	TraesCS1B03G1281000	1.00499	0.75342	No	No

3398	TraesCS1B03G1281500	0.89802	1.66511	No	No
3399	TraesCS1B03G1281700	1.1004	0.74158	No	No
3401	TraesCS1B03G1282100	1.33879	0.91472	No	No
3402	TraesCS1B03G1282400	0.94489	0.82884	Down	Down
3403	TraesCS1B03G1282500	1.23839	0.91236	No	No
3404	TraesCS1B03G1282800	0.99834	1.30161	No	No
3405	TraesCS1B03G1284700	6.63253	0.64665	Up	Down
3406	TraesCS1D03G0000100	0.96702	0.59326	Down	Down
3407	TraesCS1D03G0000400	0.81175	0.5487	Down	Down
3408	TraesCS1D03G0000400	0.82122	0.71165	Down	Down
3409	TraesCS1D03G0000400	0.98487	0.85255	Down	Down
3410	TraesCS1D03G0000400	1.20354	0.69445	No	No
3411	TraesCS1D03G0000500	0.78638	1.65	No	No
3412	TraesCS1D03G0000600	1.46782	0.7463	No	No
3413	TraesCS1D03G0000800	0.67035	1.34245	No	No
3414	TraesCS1D03G0001000	0.89641	2.5811	Down	Up
3415	TraesCS1D03G0001100	0.78031	1.38414	No	No
3416	TraesCS1D03G0001300	0.98521	1.19086	No	No
3417	TraesCS1D03G0001400	0.77193	2.26157	Down	Up
3418	TraesCS1D03G0001500	0.86467	3.36894	Down	Up
3419	TraesCS1D03G0002400	0.51968	6.85656	Down	Up
3420	TraesCS1D03G0002600	0.94894	1.97842	No	No
3421	TraesCS1D03G0002900	0.98864	2.00589	Down	Up
3422	TraesCS1D03G0006800	1.3147	1.19782	UP	UP
3423	TraesCS1D03G0008100	0.46724	1.79626	Down	Up
3424	TraesCS1D03G0008200	0.79084	0.3248	Down	Down
3425	TraesCS1D03G0008500	0.63423	1.44067	No	No
3426	TraesCS1D03G0008600	0.68872	1.43924	No	No
3427	TraesCS1D03G0009300	0.69012	4.70776	Down	Up
3428	TraesCS1D03G0009500	0.45284	2.73486	Down	Up
3429	TraesCS1D03G0009500	0.98492	2.06992	Down	Up
3431	TraesCS1D03G0010900	0.87449	0.8626	Down	Down
3432	TraesCS1D03G0012000	1.14616	1.27636	UP	UP
3433	TraesCS1D03G0016000	0.69687	0.75081	Down	Down
3434	TraesCS1D03G0016100	0.69464	1.62742	No	No
3435	TraesCS1D03G0016600	1.0838	0.7619	No	No
3436	TraesCS1D03G0021500	1.2235	1.30796	UP	UP
3437	TraesCS1D03G0022000	0.61795	0.89464	Down	Down
3438	TraesCS1D03G0022100	0.86871	1.41276	No	No
3439	TraesCS1D03G0022700	0.96918	1.54654	No	No
3440	TraesCS1D03G0024500	1.04757	0.91909	No	No
3441	TraesCS1D03G0024600	0.57849	1.04846	No	No
3442	TraesCS1D03G0024600	0.41055	1.33313	Down	Up
3443	TraesCS1D03G0027500	0.99115	2.09348	Down	Up
3444	TraesCS1D03G0027600	0.71859	1.71135	No	No
3445	TraesCS1D03G0028500	2.90285	3.73732	Up	Up
3446	TraesCS1D03G0030900	0.78993	1.75003	No	No
3447	TraesCS1D03G0031000	0.94684	1.74125	No	No
3448	TraesCS1D03G0031700	1.26606	2.31879	Up	Up
3449	TraesCS1D03G0031700	1.11223	1.25272	UP	UP
3450	TraesCS1D03G0031800	0.9077	2.22664	Down	Up
3451	TraesCS1D03G0032900	0.99322	0.43274	Down	Down

3452	TraesCS1D03G0035400	0.62807	2.32281	Down	Up
3453	TraesCS1D03G0035500	0.66356	1.39957	No	No
3454	TraesCS1D03G0035600	0.6285	2.59904	Down	Up
3455	TraesCS1D03G0035700	0.92011	2.49159	Down	Up
3456	TraesCS1D03G0035900	1.11559	0.89628	No	No
3457	TraesCS1D03G0036000	0.87182	1.54052	No	No
3458	TraesCS1D03G0036100	1.06971	0.8702	No	No
3459	TraesCS1D03G0038300	1.46125	0.83228	No	No
3460	TraesCS1D03G0038500	1.64052	0.3619	Up	Down
3461	TraesCS1D03G0038800	0.68625	2.99544	Down	Up
3462	TraesCS1D03G0038900	0.921	1.1903	No	No
3463	TraesCS1D03G0044200	0.76581	1.26885	No	No
3464	TraesCS1D03G0046000	0.96925	1.49365	No	No
3465	TraesCS1D03G0046400	1.07429	0.93282	No	No
3466	TraesCS1D03G0046500	1.03673	0.72022	No	No
3467	TraesCS1D03G0046600	1.0283	0.73213	No	No
3468	TraesCS1D03G0046900	0.67969	1.43157	No	No
3469	TraesCS1D03G0047600	0.75612	2.91907	Down	Up
3470	TraesCS1D03G0048900	0.55983	1.79144	No	No
3471	TraesCS1D03G0049100	0.87515	1.49789	No	No
3472	TraesCS1D03G0049300	0.82087	1.19571	No	No
3473	TraesCS1D03G0054600	1.07311	0.87125	No	No
3474	TraesCS1D03G0054800	0.92455	1.68606	No	No
3475	TraesCS1D03G0054900	0.81177	1.30487	No	No
3476	TraesCS1D03G0055500	0.77493	1.17504	No	No
3477	TraesCS1D03G0057500	0.74202	2.45695	Down	Up
3478	TraesCS1D03G0058000	0.97259	0.42829	Down	Down
3479	TraesCS1D03G0058100	1.13947	0.55858	No	No
3480	TraesCS1D03G0059700	0.76794	1.04894	No	No
3481	TraesCS1D03G0059800	0.80167	1.68303	No	No
3482	TraesCS1D03G0060100	1.24413	0.68233	No	No
3483	TraesCS1D03G0061500	1.1997	0.74203	No	No
3484	TraesCS1D03G0064000	0.92168	0.76039	Down	Down
3485	TraesCS1D03G0064100	0.87029	1.20476	No	No
3486	TraesCS1D03G0065300	0.56879	5.56749	Down	Up
3487	TraesCS1D03G0065700	0.77599	1.86297	No	No
3488	TraesCS1D03G0065900	1.5044	1.34795	UP	UP
3489	TraesCS1D03G0066300	0.75579	0.89629	Down	Down
3490	TraesCS1D03G0067900	0.95328	2.03563	Down	Up
3491	TraesCS1D03G0070700	1.05353	3.83645	Up	Up
3492	TraesCS1D03G0071600	0.86437	2.29709	Down	Up
3493	TraesCS1D03G0074000	1.41465	0.53625	No	No
3494	TraesCS1D03G0074200	1.02921	1.02668	UP	UP
3496	TraesCS1D03G0078100	0.6453	0.6502	Down	Down
3498	TraesCS1D03G0080000	0.94454	0.89059	Down	Down
3499	TraesCS1D03G0081200	1.09666	2.06612	Up	Up
3500	TraesCS1D03G0082900	0.8662	1.56162	No	No
3501	TraesCS1D03G0083800	1.06893	0.74806	No	No
3502	TraesCS1D03G0083900	0.93462	1.61073	No	No
3503	TraesCS1D03G0084000	0.90106	0.76616	Down	Down
3504	TraesCS1D03G0085000	0.57029	1.70861	No	No
3506	TraesCS1D03G0089900	1.05843	0.26418	Up	Down

3507	TraesCS1D03G0090700	1.00645	1.20157	UP	UP
3508	TraesCS1D03G0091100	0.99393	0.76962	Down	Down
3509	TraesCS1D03G0091400	0.86165	2.2053	Down	Up
3511	TraesCS1D03G0092800	0.78041	2.77525	Down	Up
3513	TraesCS1D03G0093300	0.68004	1.49021	No	No
3514	TraesCS1D03G0093400	1.205	0.73101	No	No
3515	TraesCS1D03G0094200	0.77939	0.91067	Down	Down
3516	TraesCS1D03G0095600	1.24146	3.21774	Up	Up
3517	TraesCS1D03G0095600	0.71418	1.55289	No	No
3518	TraesCS1D03G0095800	0.75256	1.3861	No	No
3519	TraesCS1D03G0096400	0.95196	2.48733	Down	Up
3521	TraesCS1D03G0099200	0.74595	1.05074	No	No
3522	TraesCS1D03G0100000	1.46846	1.6871	UP	UP
3523	TraesCS1D03G0100400	1.17011	0.86897	No	No
3524	TraesCS1D03G0101000	0.84581	2.33897	Down	Up
3525	TraesCS1D03G0101300	1.03131	1.14622	UP	UP
3526	TraesCS1D03G0102000	0.40423	0.91522	Down	Down
3527	TraesCS1D03G0102300	1.10662	1.36607	UP	UP
3528	TraesCS1D03G0102500	2.04574	1.56454	UP	UP
3529	TraesCS1D03G0103000	0.73757	12.8644	Down	Up
3530	TraesCS1D03G0103400	0.30291	10.7845	Down	Up
3531	TraesCS1D03G0103800	0.91329	1.06021	No	No
3532	TraesCS1D03G0105400	1.75087	2.6851	Up	Up
3535	TraesCS1D03G0108900	0.93858	2.62279	Down	Up
3537	TraesCS1D03G0113900	1.22571	1.36709	UP	UP
3538	TraesCS1D03G0115300	0.96587	0.81482	Down	Down
3540	TraesCS1D03G0118300	0.80358	1.23431	No	No
3542	TraesCS1D03G0118800	0.64587	1.09892	No	No
3544	TraesCS1D03G0119000	0.48963	0.44918	Down	Down
3545	TraesCS1D03G0119200	0.81184	0.92295	Down	Down
3546	TraesCS1D03G0119600	0.8691	0.61922	Down	Down
3548	TraesCS1D03G0121400	1.11481	0.89466	No	No
3549	TraesCS1D03G0121800	0.75214	2.1379	Down	Up
3550	TraesCS1D03G0122200	1.43498	1.16391	UP	UP
3551	TraesCS1D03G0122800	1.25358	1.08956	UP	UP
3552	TraesCS1D03G0122800	0.85902	0.45138	Down	Down
3553	TraesCS1D03G0122900	0.94778	0.49113	Down	Down
3554	TraesCS1D03G0123100	0.83373	1.40959	No	No
3555	TraesCS1D03G0123600	1.09976	0.46946	Up	Down
3557	TraesCS1D03G0125300	0.97466	0.48388	Down	Down
3558	TraesCS1D03G0125400	0.69125	4.93539	Down	Up
3559	TraesCS1D03G0125900	0.20727	0.51028	Down	Down
3560	TraesCS1D03G0126500	1.41058	1.66262	UP	UP
3561	TraesCS1D03G0127000	1.145	0.41303	Up	Down
3562	TraesCS1D03G0128200	1.08401	1.31138	UP	UP
3563	TraesCS1D03G0128700	0.92427	1.03961	No	No
3564	TraesCS1D03G0128800	0.63405	2.26551	Down	Up
3565	TraesCS1D03G0129100	1.53063	1.32967	UP	UP
3566	TraesCS1D03G0129100	1.5755	2.06269	UP	UP
3567	TraesCS1D03G0129200	0.96879	0.7613	Down	Down
3569	TraesCS1D03G0130600	1.15281	0.81867	No	No
3570	TraesCS1D03G0137400	1.51637	0.43514	Up	Down

3571	TraesCS1D03G0138400	1.24232	0.55276	No	No
3573	TraesCS1D03G0143400	0.9753	5.43652	Down	Up
3575	TraesCS1D03G0144300	0.92534	1.27108	No	No
3576	TraesCS1D03G0148300	1.23716	1.10075	UP	UP
3578	TraesCS1D03G0149900	0.95906	1.44133	No	No
3579	TraesCS1D03G0151400	0.81518	1.42	No	No
3580	TraesCS1D03G0151500	0.9878	0.1746	Down	Down
3581	TraesCS1D03G0152400	1.91155	0.56909	No	No
3583	TraesCS1D03G0152700	1.30087	0.77552	No	No
3584	TraesCS1D03G0152900	1.13374	0.47465	Up	Down
3585	TraesCS1D03G0153100	1.04235	0.9529	No	No
3586	TraesCS1D03G0155300	1.05862	1.57793	UP	UP
3587	TraesCS1D03G0155400	0.93469	1.33203	No	No
3588	TraesCS1D03G0155800	0.59336	1.58883	No	No
3589	TraesCS1D03G0156300	0.86866	0.68365	Down	Down
3591	TraesCS1D03G0157300	1.79149	2.00316	UP	UP
3594	TraesCS1D03G0165000	0.66889	2.09123	Down	Up
3595	TraesCS1D03G0165400	0.67032	1.19951	No	No
3596	TraesCS1D03G0165600	0.57943	1.50911	No	No
3597	TraesCS1D03G0166000	1.10368	0.41319	Up	Down
3598	TraesCS1D03G0166300	1.12433	0.863	No	No
3599	TraesCS1D03G0167700	1.44577	1.88863	UP	UP
3600	TraesCS1D03G0169000	0.9644	0.65762	Down	Down
3601	TraesCS1D03G0169800	0.8155	0.81573	Down	Down
3602	TraesCS1D03G0169900	2.25087	0.59154	Up	Down
3604	TraesCS1D03G0170400	0.6371	2.5963	Down	Up
3605	TraesCS1D03G0170500	0.93027	0.60197	Down	Down
3606	TraesCS1D03G0170600	1.01838	1.01951	UP	UP
3607	TraesCS1D03G0170700	0.9227	1.39064	No	No
3608	TraesCS1D03G0171100	0.84307	3.16788	Down	Up
3610	TraesCS1D03G0172800	1.22168	1.33497	UP	UP
3611	TraesCS1D03G0173800	1.06732	0.81622	No	No
3612	TraesCS1D03G0174200	0.85135	2.05329	Down	Up
3613	TraesCS1D03G0174400	1.80624	1.18889	UP	UP
3614	TraesCS1D03G0174800	0.8512	1.0143	No	No
3617	TraesCS1D03G0177400	1.002	0.98619	No	No
3621	TraesCS1D03G0177800	1.45703	0.46961	Up	Down
3622	TraesCS1D03G0178800	0.56597	0.98344	Down	Down
3623	TraesCS1D03G0179100	1.09839	0.60337	No	No
3624	TraesCS1D03G0179900	0.75669	1.39321	No	No
3625	TraesCS1D03G0180100	1.09959	1.76182	UP	UP
3626	TraesCS1D03G0180500	0.98118	1.04462	No	No
3630	TraesCS1D03G0182800	1.2564	1.23048	UP	UP
3631	TraesCS1D03G0183800	1.2889	1.02419	UP	UP
3632	TraesCS1D03G0183900	1.19372	0.74866	No	No
3633	TraesCS1D03G0185400	1.23668	0.793	No	No
3634	TraesCS1D03G0185900	4.43982	0.47589	Up	Down
3635	TraesCS1D03G0186200	0.84832	3.13552	Down	Up
3636	TraesCS1D03G0187000	0.64962	0.65599	Down	Down
3637	TraesCS1D03G0187200	1.01775	0.90733	No	No
3638	TraesCS1D03G0187400	0.96621	1.12828	No	No
3639	TraesCS1D03G0188800	0.9764	1.06751	No	No

3640	TraesCS1D03G0189200	0.65684	1.54247	No	No
3641	TraesCS1D03G0189600	0.76211	1.08649	No	No
3642	TraesCS1D03G0189900	0.93204	0.83152	Down	Down
3644	TraesCS1D03G0190500	2.38386	0.60264	Up	Down
3645	TraesCS1D03G0191300	1.12687	0.6626	No	No
3646	TraesCS1D03G0191500	1.86679	2.08349	UP	UP
3647	TraesCS1D03G0192200	1.42583	5.18837	Up	Up
3648	TraesCS1D03G0192300	1.02683	1.23296	UP	UP
3649	TraesCS1D03G0192400	1.05519	0.6633	No	No
3650	TraesCS1D03G0195100	0.82596	0.57326	Down	Down
3651	TraesCS1D03G0195300	0.9201	1.83078	No	No
3652	TraesCS1D03G0195400	0.9932	2.33734	Down	Up
3653	TraesCS1D03G0195400	0.8091	1.1909	No	No
3654	TraesCS1D03G0196800	0.77514	1.43996	No	No
3656	TraesCS1D03G0197000	1.04301	1.2708	UP	UP
3657	TraesCS1D03G0197500	2.90015	0.50949	Up	Down
3659	TraesCS1D03G0198700	1.01083	1.86063	UP	UP
3660	TraesCS1D03G0199100	0.55937	2.31517	Down	Up
3661	TraesCS1D03G0199400	1.37566	1.12817	UP	UP
3663	TraesCS1D03G0200300	0.91579	0.65086	Down	Down
3664	TraesCS1D03G0200400	0.63683	1.0973	No	No
3666	TraesCS1D03G0203000	1.34918	2.85391	Up	Up
3667	TraesCS1D03G0203100	1.12584	1.07115	UP	UP
3668	TraesCS1D03G0203400	0.97116	0.3001	Down	Down
3669	TraesCS1D03G0203800	1.1026	0.96917	No	No
3670	TraesCS1D03G0203900	0.81469	0.90492	Down	Down
3671	TraesCS1D03G0204200	1.04367	1.1099	UP	UP
3672	TraesCS1D03G0204300	0.86614	1.94824	No	No
3673	TraesCS1D03G0204800	1.12041	0.78146	No	No
3675	TraesCS1D03G0207300	1.31358	1.5638	UP	UP
3676	TraesCS1D03G0207500	0.87991	1.15917	No	No
3677	TraesCS1D03G0207600	0.90659	0.92445	Down	Down
3679	TraesCS1D03G0210000	0.89068	3.87253	Down	Up
3680	TraesCS1D03G0210200	1.10231	1.51172	UP	UP
3681	TraesCS1D03G0210200	0.62898	0.46939	Down	Down
3684	TraesCS1D03G0210600	0.82778	4.83779	Down	Up
3685	TraesCS1D03G0211600	1.09379	2.72954	Up	Up
3686	TraesCS1D03G0212200	1.03543	1.06517	UP	UP
3687	TraesCS1D03G0212600	0.99309	1.0355	No	No
3690	TraesCS1D03G0215900	0.87403	0.55553	Down	Down
3691	TraesCS1D03G0217200	0.68387	1.60389	No	No
3692	TraesCS1D03G0217300	0.84582	0.97718	Down	Down
3693	TraesCS1D03G0218200	0.64775	2.69017	Down	Up
3694	TraesCS1D03G0218700	1.06131	1.19632	UP	UP
3695	TraesCS1D03G0220100	0.76947	1.54592	No	No
3697	TraesCS1D03G0221100	0.73275	1.0764	No	No
3698	TraesCS1D03G0221200	3.66546	0.23447	Up	Down
3699	TraesCS1D03G0221500	1.1313	0.62663	No	No
3701	TraesCS1D03G0222800	3.53497	0.85988	Up	Down
3702	TraesCS1D03G0229700	1.25441	0.9438	No	No
3703	TraesCS1D03G0230400	1.15086	1.03179	UP	UP
3704	TraesCS1D03G0230600	1.08732	2.03407	Up	Up

3706	TraesCS1D03G0231100	0.90643	1.60749	No	No
3707	TraesCS1D03G0231200	0.87403	0.90615	Down	Down
3708	TraesCS1D03G0231800	0.92753	1.75987	No	No
3709	TraesCS1D03G0232000	1.23416	0.95106	No	No
3710	TraesCS1D03G0233100	1.17283	1.27413	UP	UP
3711	TraesCS1D03G0234200	0.8813	1.0018	No	No
3712	TraesCS1D03G0234400	1.08766	1.27273	UP	UP
3713	TraesCS1D03G0234600	1.16671	0.83054	No	No
3714	TraesCS1D03G0235300	1.32241	1.48896	UP	UP
3715	TraesCS1D03G0237300	0.88136	1.02556	No	No
3716	TraesCS1D03G0237400	0.86219	0.69598	Down	Down
3717	TraesCS1D03G0237700	0.66551	1.09536	No	No
3720	TraesCS1D03G0240900	2.23351	1.26058	Up	Up
3721	TraesCS1D03G0241700	0.66328	0.91251	Down	Down
3722	TraesCS1D03G0241800	0.93504	0.92896	Down	Down
3723	TraesCS1D03G0241900	0.68375	2.51086	Down	Up
3725	TraesCS1D03G0244700	0.54372	10.3991	Down	Up
3726	TraesCS1D03G0245000	1.06198	0.99187	No	No
3728	TraesCS1D03G0247400	0.88026	0.81448	Down	Down
3729	TraesCS1D03G0247800	0.96096	2.41817	Down	Up
3730	TraesCS1D03G0249100	0.76747	1.22107	No	No
3731	TraesCS1D03G0249200	1.08775	1.62056	UP	UP
3732	TraesCS1D03G0250200	0.68594	1.34867	No	No
3733	TraesCS1D03G0250400	0.62604	1.52264	No	No
3734	TraesCS1D03G0250800	0.87476	0.29291	Down	Down
3735	TraesCS1D03G0250900	1.15764	1.14925	UP	UP
3736	TraesCS1D03G0251000	0.93201	1.17409	No	No
3737	TraesCS1D03G0251100	1.51146	0.4464	Up	Down
3738	TraesCS1D03G0251200	0.64727	1.20136	No	No
3739	TraesCS1D03G0251300	1.14246	1.70408	UP	UP
3740	TraesCS1D03G0251400	1.26435	0.86216	No	No
3741	TraesCS1D03G0251500	0.71939	2.99364	Down	Up
3742	TraesCS1D03G0251900	0.41338	17.5176	Down	Up
3743	TraesCS1D03G0252700	1.08511	0.51044	No	No
3744	TraesCS1D03G0252900	0.75033	7.10114	Down	Up
3745	TraesCS1D03G0253200	1.07025	1.0978	UP	UP
3746	TraesCS1D03G0253400	1.23705	0.80995	No	No
3747	TraesCS1D03G0255300	0.91795	0.55914	Down	Down
3748	TraesCS1D03G0255400	0.7463	2.01022	Down	Up
3749	TraesCS1D03G0255900	1.0392	0.39541	Up	Down
3750	TraesCS1D03G0256100	1.30389	1.34691	UP	UP
3751	TraesCS1D03G0256700	0.80293	1.60547	No	No
3752	TraesCS1D03G0257000	0.69888	1.81147	No	No
3753	TraesCS1D03G0257100	0.7491	3.57745	Down	Up
3754	TraesCS1D03G0257300	1.04257	0.84921	No	No
3755	TraesCS1D03G0258100	0.72989	1.24482	No	No
3756	TraesCS1D03G0258400	1.1745	1.02072	UP	UP
3758	TraesCS1D03G0258800	0.99145	0.29357	Down	Down
3759	TraesCS1D03G0261100	0.75958	1.50777	No	No
3762	TraesCS1D03G0263800	0.77757	0.78895	Down	Down
3763	TraesCS1D03G0264000	0.88711	0.50567	Down	Down
3764	TraesCS1D03G0264000	0.87083	1.01489	No	No

3766	TraesCS1D03G0264500	1.18877	0.69033	No	No
3767	TraesCS1D03G0264700	0.76343	1.34808	No	No
3768	TraesCS1D03G0265000	1.21414	0.89049	No	No
3769	TraesCS1D03G0266200	1.06167	0.92846	No	No
3770	TraesCS1D03G0266200	1.27541	0.13375	Up	Down
3771	TraesCS1D03G0266700	0.92786	1.14208	No	No
3772	TraesCS1D03G0268200	1.1142	1.0445	UP	UP
3773	TraesCS1D03G0268800	0.93364	0.57132	Down	Down
3774	TraesCS1D03G0269400	0.76181	1.68769	No	No
3775	TraesCS1D03G0269500	1.06695	2.44776	Up	Up
3776	TraesCS1D03G0270500	1.02127	0.71623	No	No
3777	TraesCS1D03G0270700	1.23572	1.32681	UP	UP
3778	TraesCS1D03G0270800	0.9981	1.2308	No	No
3779	TraesCS1D03G0270900	0.84215	0.76865	Down	Down
3780	TraesCS1D03G0273200	0.62092	1.39049	No	No
3781	TraesCS1D03G0276000	0.92187	0.56384	Down	Down
3782	TraesCS1D03G0276200	0.85568	0.75771	Down	Down
3783	TraesCS1D03G0276600	0.78499	0.19779	Down	Down
3784	TraesCS1D03G0276900	0.7194	0.34805	Down	Down
3786	TraesCS1D03G0277400	0.48228	1.28983	Down	Up
3788	TraesCS1D03G0279200	1.32452	1.20901	UP	UP
3790	TraesCS1D03G0279800	0.9188	7.12123	Down	Up
3792	TraesCS1D03G0281600	1.06053	0.9595	No	No
3793	TraesCS1D03G0283400	1.19369	2.0265	Up	Up
3794	TraesCS1D03G0283700	1.25929	1.20747	UP	UP
3795	TraesCS1D03G0283800	0.52711	0.85982	Down	Down
3796	TraesCS1D03G0283900	1.54424	0.85336	No	No
3797	TraesCS1D03G0284200	1.04879	0.86652	No	No
3798	TraesCS1D03G0285900	1.43533	0.67924	No	No
3799	TraesCS1D03G0286700	0.87104	0.89235	Down	Down
3800	TraesCS1D03G0286800	1.77209	0.73747	No	No
3801	TraesCS1D03G0287100	0.8871	1.17123	No	No
3802	TraesCS1D03G0287300	0.68835	3.28092	Down	Up
3804	TraesCS1D03G0287900	0.70174	0.79681	Down	Down
3805	TraesCS1D03G0288200	0.98957	1.37692	No	No
3806	TraesCS1D03G0288300	0.87746	0.68196	Down	Down
3807	TraesCS1D03G0288400	0.66727	1.01342	No	No
3808	TraesCS1D03G0288500	0.89708	1.04182	No	No
3809	TraesCS1D03G0289200	0.98967	0.79458	Down	Down
3810	TraesCS1D03G0289400	1.0004	0.95901	No	No
3812	TraesCS1D03G0290300	0.9469	4.35644	Down	Up
3813	TraesCS1D03G0291400	0.72984	0.39185	Down	Down
3814	TraesCS1D03G0292800	1.82203	5.7577	Up	Up
3815	TraesCS1D03G0293000	0.88577	4.91689	Down	Up
3816	TraesCS1D03G0293700	0.86296	1.48518	No	No
3817	TraesCS1D03G0294000	0.55378	1.64214	No	No
3818	TraesCS1D03G0294500	0.75843	2.50818	Down	Up
3819	TraesCS1D03G0294700	0.99999	1.4534	No	No
3820	TraesCS1D03G0295400	2.07381	0.93237	Up	Down
3821	TraesCS1D03G0295400	1.75349	0.55886	No	No
3822	TraesCS1D03G0296000	0.82437	1.46721	No	No
3823	TraesCS1D03G0296200	1.08287	0.53594	No	No

3825	TraesCS1D03G0296800	1.0017	0.6563	No	No
3826	TraesCS1D03G0297100	0.96864	1.34038	No	No
3827	TraesCS1D03G0297200	0.93078	2.10856	Down	Up
3828	TraesCS1D03G0297500	0.9189	1.41924	No	No
3830	TraesCS1D03G0297700	1.06439	1.95221	UP	UP
3831	TraesCS1D03G0298400	1.71161	1.09113	UP	UP
3833	TraesCS1D03G0299200	0.75701	3.82536	Down	Up
3834	TraesCS1D03G0299300	0.74314	1.15223	No	No
3835	TraesCS1D03G0300000	0.94496	4.11081	Down	Up
3836	TraesCS1D03G0300500	1.15143	0.83377	No	No
3837	TraesCS1D03G0301100	1.00583	1.05234	UP	UP
3838	TraesCS1D03G0301200	1.29683	1.25796	UP	UP
3839	TraesCS1D03G0302100	0.5466	0.21683	Down	Down
3840	TraesCS1D03G0302600	0.77965	1.4482	No	No
3841	TraesCS1D03G0302700	0.95095	1.73317	No	No
3842	TraesCS1D03G0303200	1.10845	1.09197	UP	UP
3843	TraesCS1D03G0303900	0.35618	1.12128	Down	Up
3844	TraesCS1D03G0304300	1.09666	1.70705	UP	UP
3845	TraesCS1D03G0304500	1.08991	0.63662	No	No
3846	TraesCS1D03G0305200	0.93393	4.45753	Down	Up
3848	TraesCS1D03G0307200	1.27765	0.91696	No	No
3849	TraesCS1D03G0307900	0.71609	1.71153	No	No
3850	TraesCS1D03G0308200	0.87707	1.64746	No	No
3851	TraesCS1D03G0308500	1.19693	1.4413	UP	UP
3852	TraesCS1D03G0308900	1.34405	1.07691	UP	UP
3853	TraesCS1D03G0309100	1.05655	0.84775	No	No
3855	TraesCS1D03G0310100	1.38718	2.21233	Up	Up
3856	TraesCS1D03G0310700	0.9108	0.57167	Down	Down
3857	TraesCS1D03G0311000	0.66828	3.06157	Down	Up
3858	TraesCS1D03G0311200	1.03863	1.94023	UP	UP
3865	TraesCS1D03G0315300	0.90885	1.08734	No	No
3866	TraesCS1D03G0315600	0.9836	1.10264	No	No
3867	TraesCS1D03G0316300	1.03852	0.82083	No	No
3868	TraesCS1D03G0316600	0.82159	0.9964	Down	Down
3869	TraesCS1D03G0316600	1.67073	1.37364	UP	UP
3870	TraesCS1D03G0318000	0.83301	3.23965	Down	Up
3871	TraesCS1D03G0318000	1.32093	0.35386	Up	Down
3872	TraesCS1D03G0318700	0.99489	0.6256	Down	Down
3874	TraesCS1D03G0318900	0.95288	0.66618	Down	Down
3875	TraesCS1D03G0319500	0.87534	0.59343	Down	Down
3876	TraesCS1D03G0320000	0.97302	2.59685	Down	Up
3878	TraesCS1D03G0320300	0.98956	0.82919	Down	Down
3879	TraesCS1D03G0322000	1.11492	0.54797	No	No
3880	TraesCS1D03G0322500	0.91045	1.32392	No	No
3881	TraesCS1D03G0323000	0.86608	1.05597	No	No
3882	TraesCS1D03G0324000	1.18076	0.97792	No	No
3883	TraesCS1D03G0324300	0.96041	1.08126	No	No
3884	TraesCS1D03G0324800	0.97196	1.90577	No	No
3886	TraesCS1D03G0325400	1.20946	1.61669	UP	UP
3887	TraesCS1D03G0326600	1.16202	2.47772	Up	Up
3888	TraesCS1D03G0327000	1.01597	1.51495	UP	UP
3890	TraesCS1D03G0328100	1.04605	1.16582	UP	UP

3892	TraesCS1D03G0329400	0.60027	0.42093	Down	Down
3893	TraesCS1D03G0330200	1.00549	1.29767	UP	UP
3894	TraesCS1D03G0331700	0.72836	1.53034	No	No
3896	TraesCS1D03G0332800	1.10834	1.09483	UP	UP
3897	TraesCS1D03G0332900	0.93896	1.37431	No	No
3898	TraesCS1D03G0335400	1.02108	2.4851	Up	Up
3901	TraesCS1D03G0336700	0.9779	0.54389	Down	Down
3902	TraesCS1D03G0337900	1.01463	0.752	No	No
3904	TraesCS1D03G0338300	1.00292	1.23761	UP	UP
3905	TraesCS1D03G0338600	1.08901	1.1818	UP	UP
3906	TraesCS1D03G0339400	1.55295	0.781	No	No
3907	TraesCS1D03G0340200	1.65769	0.5996	No	No
3909	TraesCS1D03G0340400	1.07779	0.4977	Up	Down
3912	TraesCS1D03G0342000	4.92196	0.6624	Up	Down
3913	TraesCS1D03G0342000	0.73831	2.32069	Down	Up
3914	TraesCS1D03G0342000	0.59183	2.53835	Down	Up
3915	TraesCS1D03G0342500	0.90185	1.40045	No	No
3916	TraesCS1D03G0342700	1.47997	0.47255	Up	Down
3919	TraesCS1D03G0343400	0.46791	1.37084	Down	Up
3920	TraesCS1D03G0344500	0.78057	0.70561	Down	Down
3921	TraesCS1D03G0344600	0.9885	1.43105	No	No
3922	TraesCS1D03G0344800	1.10975	0.80333	No	No
3923	TraesCS1D03G0346500	1.02688	0.8048	No	No
3925	TraesCS1D03G0347700	1.19796	1.00625	UP	UP
3926	TraesCS1D03G0349300	1.03939	0.98399	No	No
3928	TraesCS1D03G0351300	1.0741	1.06737	UP	UP
3929	TraesCS1D03G0351700	1.06208	0.20255	Up	Down
3930	TraesCS1D03G0351900	1.25783	2.02514	Up	Up
3931	TraesCS1D03G0354400	1.05421	2.25179	Up	Up
3932	TraesCS1D03G0355700	0.98352	1.22524	No	No
3933	TraesCS1D03G0355700	1.19826	1.18695	UP	UP
3934	TraesCS1D03G0356200	0.81509	1.0867	No	No
3935	TraesCS1D03G0356300	0.8165	0.6422	Down	Down
3936	TraesCS1D03G0356400	0.77884	2.15143	Down	Up
3937	TraesCS1D03G0356700	1.28009	0.71465	No	No
3939	TraesCS1D03G0357200	1.20364	1.17864	UP	UP
3940	TraesCS1D03G0357500	4.86806	3.66395	Up	Up
3941	TraesCS1D03G0357500	1.39118	1.13603	UP	UP
3942	TraesCS1D03G0358700	1.48611	1.75553	UP	UP
3943	TraesCS1D03G0359200	0.99357	0.48752	Down	Down
3944	TraesCS1D03G0359800	1.5968	0.66012	No	No
3945	TraesCS1D03G0360500	0.9568	0.92733	Down	Down
3946	TraesCS1D03G0361100	1.06436	1.01908	UP	UP
3947	TraesCS1D03G0361300	0.38586	5.80922	Down	Up
3949	TraesCS1D03G0363600	1.45385	0.48018	Up	Down
3950	TraesCS1D03G0364800	1.88098	0.90053	No	No
3951	TraesCS1D03G0364900	0.70799	0.647	Down	Down
3952	TraesCS1D03G0365200	0.86713	0.98377	Down	Down
3953	TraesCS1D03G0365400	1.02622	0.91925	No	No
3954	TraesCS1D03G0366300	1.31456	0.61266	No	No
3955	TraesCS1D03G0366600	0.76204	1.11284	No	No
3956	TraesCS1D03G0367600	1.08714	0.8789	No	No

3957	TraesCS1D03G0368000	0.86817	1.89023	No	No
3958	TraesCS1D03G0368800	0.99047	0.75094	Down	Down
3959	TraesCS1D03G0369000	0.80993	0.85875	Down	Down
3960	TraesCS1D03G0369400	0.7263	1.65789	No	No
3962	TraesCS1D03G0370700	1.57316	1.60706	UP	UP
3963	TraesCS1D03G0370800	1.09503	1.3144	UP	UP
3964	TraesCS1D03G0370900	0.87712	1.61377	No	No
3966	TraesCS1D03G0373400	1.77366	2.02916	UP	UP
3967	TraesCS1D03G0373600	0.96822	0.8354	Down	Down
3968	TraesCS1D03G0375200	1.29047	0.67848	No	No
3969	TraesCS1D03G0375700	1.0152	2.78542	Up	Up
3970	TraesCS1D03G0376100	0.55503	0.4759	Down	Down
3971	TraesCS1D03G0376300	0.8779	0.38844	Down	Down
3972	TraesCS1D03G0376500	0.92615	0.89766	Down	Down
3973	TraesCS1D03G0376600	1.09875	1.33104	UP	UP
3974	TraesCS1D03G0376900	1.28542	0.93215	No	No
3975	TraesCS1D03G0377700	0.82285	1.65902	No	No
3978	TraesCS1D03G0380200	0.98569	0.60811	Down	Down
3979	TraesCS1D03G0380500	1.04941	0.41727	Up	Down
3982	TraesCS1D03G0383700	0.99948	1.13445	No	No
3985	TraesCS1D03G0384800	0.68697	1.41465	No	No
3986	TraesCS1D03G0385400	1.71458	0.66205	No	No
3987	TraesCS1D03G0386000	0.85854	1.17567	No	No
3988	TraesCS1D03G0386300	1.72413	1.39335	UP	UP
3989	TraesCS1D03G0387200	1.64071	1.13666	UP	UP
3994	TraesCS1D03G0390300	1.0513	0.37649	Up	Down
3995	TraesCS1D03G0390700	0.83781	1.30778	No	No
3996	TraesCS1D03G0390900	0.50735	2.41698	Down	Up
3997	TraesCS1D03G0391800	0.97783	0.98897	Down	Down
3998	TraesCS1D03G0396400	0.3467	1.08015	Down	Up
3999	TraesCS1D03G0397500	1.10079	1.83393	UP	UP
4000	TraesCS1D03G0397700	1.21089	0.73685	No	No
4001	TraesCS1D03G0398100	1.14037	1.08341	UP	UP
4003	TraesCS1D03G0398800	0.85798	1.42623	No	No
4004	TraesCS1D03G0399700	1.19567	0.87366	No	No
4005	TraesCS1D03G0399800	0.89317	0.90783	Down	Down
4006	TraesCS1D03G0401500	1.29824	1.02591	UP	UP
4007	TraesCS1D03G0401600	0.5984	2.3195	Down	Up
4008	TraesCS1D03G0402000	1.07496	1.08561	UP	UP
4009	TraesCS1D03G0402200	0.97541	0.93695	Down	Down
4010	TraesCS1D03G0402600	0.8979	0.90205	Down	Down
4011	TraesCS1D03G0402700	1.29618	2.86244	Up	Up
4012	TraesCS1D03G0402800	1.71973	5.37816	Up	Up
4013	TraesCS1D03G0403000	1.23884	1.22332	UP	UP
4014	TraesCS1D03G0403900	1.55439	0.41245	Up	Down
4015	TraesCS1D03G0404100	0.73326	1.2001	No	No
4016	TraesCS1D03G0404200	1.33212	1.23806	UP	UP
4017	TraesCS1D03G0404500	0.67001	2.2274	Down	Up
4018	TraesCS1D03G0404800	0.70955	0.445	Down	Down
4019	TraesCS1D03G0404900	1.1872	1.04735	UP	UP
4020	TraesCS1D03G0405100	0.76315	1.24309	No	No
4021	TraesCS1D03G0405400	0.85228	4.37573	Down	Up

4022	TraesCS1D03G0405500	0.83894	0.95063	Down	Down
4024	TraesCS1D03G0405700	1.08828	0.76068	No	No
4025	TraesCS1D03G0406100	0.86184	1.04065	No	No
4026	TraesCS1D03G0406900	1.24006	0.78295	No	No
4027	TraesCS1D03G0407200	0.62135	1.62028	No	No
4028	TraesCS1D03G0407300	0.89207	0.6968	Down	Down
4029	TraesCS1D03G0408000	1.01088	0.53203	No	No
4031	TraesCS1D03G0408900	1.14111	3.01555	Up	Up
4032	TraesCS1D03G0410600	0.58779	2.5566	Down	Up
4033	TraesCS1D03G0411300	1.06503	1.52154	UP	UP
4034	TraesCS1D03G0411400	1.05682	1.96792	UP	UP
4035	TraesCS1D03G0411600	0.92783	1.88783	No	No
4036	TraesCS1D03G0412000	0.79708	1.12544	No	No
4037	TraesCS1D03G0412400	1.84859	0.38666	Up	Down
4038	TraesCS1D03G0412400	1.22161	2.04258	Up	Up
4039	TraesCS1D03G0412600	0.83274	1.36963	No	No
4040	TraesCS1D03G0413000	1.18291	0.66305	No	No
4042	TraesCS1D03G0415200	5.56612	0.47626	Up	Down
4043	TraesCS1D03G0415400	1.12444	0.93105	No	No
4044	TraesCS1D03G0415700	0.82428	1.30433	No	No
4045	TraesCS1D03G0416500	0.93625	1.05433	No	No
4047	TraesCS1D03G0417500	0.88904	0.43381	Down	Down
4048	TraesCS1D03G0417700	2.26757	0.94788	Up	Down
4049	TraesCS1D03G0418100	0.86042	1.40934	No	No
4050	TraesCS1D03G0418400	1.95132	0.66413	No	No
4051	TraesCS1D03G0419400	1.43355	1.41977	UP	UP
4053	TraesCS1D03G0420300	0.86219	1.277	No	No
4054	TraesCS1D03G0420700	0.64581	0.82414	Down	Down
4055	TraesCS1D03G0421000	0.91568	0.89143	Down	Down
4056	TraesCS1D03G0421100	0.91339	0.69595	Down	Down
4057	TraesCS1D03G0421700	1.4876	0.60842	No	No
4058	TraesCS1D03G0422200	0.80124	0.1496	Down	Down
4059	TraesCS1D03G0422800	0.98978	3.25556	Down	Up
4060	TraesCS1D03G0423300	1.38136	0.27415	Up	Down
4061	TraesCS1D03G0423800	1.10325	1.14664	UP	UP
4062	TraesCS1D03G0423900	1.0529	1.29897	UP	UP
4063	TraesCS1D03G0424100	0.55644	2.85227	Down	Up
4064	TraesCS1D03G0425100	0.36411	3.56275	Down	Up
4065	TraesCS1D03G0426100	1.23474	0.71593	No	No
4066	TraesCS1D03G0426200	0.78165	1.81558	No	No
4068	TraesCS1D03G0427100	1.03472	0.44267	Up	Down
4070	TraesCS1D03G0427900	0.59293	0.21117	Down	Down
4071	TraesCS1D03G0428100	1.09625	1.98536	UP	UP
4072	TraesCS1D03G0428400	1.0434	0.53491	No	No
4073	TraesCS1D03G0428700	0.73636	5.28333	Down	Up
4074	TraesCS1D03G0429300	0.67216	0.84254	Down	Down
4075	TraesCS1D03G0429400	0.77149	1.67434	No	No
4076	TraesCS1D03G0429500	0.85703	1.08517	No	No
4077	TraesCS1D03G0429700	0.92548	1.61528	No	No
4078	TraesCS1D03G0429800	1.10543	0.64912	No	No
4079	TraesCS1D03G0429900	0.54835	0.75842	Down	Down
4081	TraesCS1D03G0430400	1.12685	0.55906	No	No

4082	TraesCS1D03G0431300	1.18771	2.32629	Up	Up
4084	TraesCS1D03G0432200	0.8268	2.22869	Down	Up
4085	TraesCS1D03G0432300	0.68167	0.93133	Down	Down
4086	TraesCS1D03G0432500	0.75169	1.00246	No	No
4087	TraesCS1D03G0432600	0.99645	0.61875	Down	Down
4088	TraesCS1D03G0433200	0.7318	3.3691	Down	Up
4089	TraesCS1D03G0433300	0.77099	0.36388	Down	Down
4090	TraesCS1D03G0433700	1.30599	0.92986	No	No
4091	TraesCS1D03G0433700	0.85784	0.96441	Down	Down
4092	TraesCS1D03G0434200	0.56663	2.73706	Down	Up
4098	TraesCS1D03G0443000	0.93644	3.19546	Down	Up
4099	TraesCS1D03G0443800	1.11036	0.98889	No	No
4100	TraesCS1D03G0444300	1.59502	1.09808	UP	UP
4101	TraesCS1D03G0444500	1.03639	0.91987	No	No
4103	TraesCS1D03G0445800	0.68387	1.82272	No	No
4104	TraesCS1D03G0446200	1.59664	1.03405	UP	UP
4105	TraesCS1D03G0446800	1.04828	0.66923	No	No
4106	TraesCS1D03G0447100	1.11741	0.76731	No	No
4107	TraesCS1D03G0447300	1.11927	1.45612	UP	UP
4108	TraesCS1D03G0448300	0.68858	2.4396	Down	Up
4109	TraesCS1D03G0448900	1.1763	1.11764	UP	UP
4110	TraesCS1D03G0449000	1.09077	1.20513	UP	UP
4112	TraesCS1D03G0450000	0.5936	2.99191	Down	Up
4113	TraesCS1D03G0450100	0.60514	1.72712	No	No
4114	TraesCS1D03G0450100	0.87333	2.59212	Down	Up
4115	TraesCS1D03G0450200	0.81228	0.65941	Down	Down
4116	TraesCS1D03G0450600	1.13393	0.34659	Up	Down
4117	TraesCS1D03G0450600	0.65278	0.165	Down	Down
4118	TraesCS1D03G0450900	1.0995	1.01417	UP	UP
4121	TraesCS1D03G0452600	1.82324	0.61651	No	No
4122	TraesCS1D03G0452800	0.94293	1.09754	No	No
4123	TraesCS1D03G0453700	0.81971	1.07643	No	No
4124	TraesCS1D03G0454100	0.68897	1.55508	No	No
4125	TraesCS1D03G0454200	0.95425	0.52226	Down	Down
4126	TraesCS1D03G0454400	0.68216	1.1874	No	No
4128	TraesCS1D03G0455200	1.18329	0.73068	No	No
4129	TraesCS1D03G0455400	1.0372	1.40321	UP	UP
4130	TraesCS1D03G0455500	0.94421	1.4904	No	No
4131	TraesCS1D03G0455800	1.31288	1.6134	UP	UP
4132	TraesCS1D03G0456200	1.54461	1.95587	UP	UP
4133	TraesCS1D03G0456800	1.06629	0.1979	Up	Down
4134	TraesCS1D03G0456900	0.83849	3.0555	Down	Up
4135	TraesCS1D03G0457000	1.34685	0.40825	Up	Down
4136	TraesCS1D03G0458300	1.07403	2.20164	Up	Up
4137	TraesCS1D03G0458800	0.71218	1.47176	No	No
4138	TraesCS1D03G0462000	0.71323	0.408	Down	Down
4139	TraesCS1D03G0462800	3.88346	0.76541	Up	Down
4141	TraesCS1D03G0463800	0.44391	0.59279	Down	Down
4143	TraesCS1D03G0473600	0.64005	1.43063	No	No
4144	TraesCS1D03G0473700	1.25565	0.94777	No	No
4145	TraesCS1D03G0474500	0.76597	1.71649	No	No
4146	TraesCS1D03G0474600	0.87968	1.98175	No	No

4147	TraesCS1D03G0474800	1.1435	0.93906	No	No
4148	TraesCS1D03G0474900	0.98524	1.49177	No	No
4149	TraesCS1D03G0475000	0.78476	1.11543	No	No
4150	TraesCS1D03G0475200	1.16356	2.23766	Up	Up
4151	TraesCS1D03G0476000	1.11522	0.9222	No	No
4152	TraesCS1D03G0476700	0.90874	1.86087	No	No
4153	TraesCS1D03G0476800	0.72997	1.53041	No	No
4154	TraesCS1D03G0477000	0.79909	3.43629	Down	Up
4155	TraesCS1D03G0477500	0.9369	1.92142	No	No
4156	TraesCS1D03G0477700	1.03584	0.81604	No	No
4157	TraesCS1D03G0477800	0.87783	1.25624	No	No
4158	TraesCS1D03G0478700	1.5081	1.38853	UP	UP
4159	TraesCS1D03G0479000	0.8717	1.43046	No	No
4160	TraesCS1D03G0479100	0.89067	1.20295	No	No
4161	TraesCS1D03G0479600	0.96282	0.62611	Down	Down
4162	TraesCS1D03G0479700	1.22955	0.95225	No	No
4163	TraesCS1D03G0479900	0.91997	1.29465	No	No
4166	TraesCS1D03G0481100	0.96253	1.16079	No	No
4167	TraesCS1D03G0481300	0.95633	0.8074	Down	Down
4168	TraesCS1D03G0482100	1.0322	1.37481	UP	UP
4169	TraesCS1D03G0483400	1.15281	1.25933	UP	UP
4170	TraesCS1D03G0484900	1.12731	2.06764	Up	Up
4171	TraesCS1D03G0485400	2.65009	1.28082	Up	Up
4172	TraesCS1D03G0485700	1.14951	1.10192	UP	UP
4173	TraesCS1D03G0486000	0.48653	3.0064	Down	Up
4174	TraesCS1D03G0486100	2.46933	0.4822	Up	Down
4176	TraesCS1D03G0486500	3.50177	2.44754	Up	Up
4177	TraesCS1D03G0487300	0.76223	2.02667	Down	Up
4178	TraesCS1D03G0487600	2.46377	2.73502	UP	UP
4183	TraesCS1D03G0490300	1.21836	0.43215	Up	Down
4184	TraesCS1D03G0490700	0.61973	1.6612	No	No
4185	TraesCS1D03G0491000	0.75039	1.55039	No	No
4186	TraesCS1D03G0491200	0.51961	1.7439	No	No
4187	TraesCS1D03G0492100	0.99897	1.34472	No	No
4188	TraesCS1D03G0492200	0.63568	0.80821	Down	Down
4189	TraesCS1D03G0492400	1.23265	0.91831	No	No
4190	TraesCS1D03G0492500	0.88384	2.34408	Down	Up
4191	TraesCS1D03G0492600	1.16643	0.85167	No	No
4192	TraesCS1D03G0494800	1.50386	0.62212	No	No
4193	TraesCS1D03G0495400	1.28341	0.57296	No	No
4194	TraesCS1D03G0497100	0.62885	0.4971	Down	Down
4195	TraesCS1D03G0497300	1.1318	0.77372	No	No
4197	TraesCS1D03G0498000	0.81543	1.36828	No	No
4198	TraesCS1D03G0498100	1.07144	0.80127	No	No
4199	TraesCS1D03G0498300	1.12658	0.406	Up	Down
4200	TraesCS1D03G0498400	1.04276	1.3063	UP	UP
4202	TraesCS1D03G0499600	0.44828	0.61559	Down	Down
4203	TraesCS1D03G0499800	1.01491	0.79457	No	No
4204	TraesCS1D03G0499900	1.01833	1.13923	UP	UP
4205	TraesCS1D03G0500100	0.90281	0.64824	Down	Down
4208	TraesCS1D03G0501700	0.56847	1.88373	No	No
4209	TraesCS1D03G0502200	0.8476	1.24169	No	No

4210	TraesCS1D03G0503100	0.76741	1.55824	No	No
4211	TraesCS1D03G0503600	1.22436	0.76214	No	No
4212	TraesCS1D03G0504300	0.84576	0.54505	Down	Down
4213	TraesCS1D03G0504400	0.95363	1.53	No	No
4216	TraesCS1D03G0504900	1.29244	1.13604	UP	UP
4217	TraesCS1D03G0505000	0.64933	0.92895	Down	Down
4218	TraesCS1D03G0505100	1.0423	0.59159	No	No
4219	TraesCS1D03G0505900	0.52344	1.80563	No	No
4220	TraesCS1D03G0506400	0.98563	1.01115	No	No
4222	TraesCS1D03G0506700	0.81317	0.95758	Down	Down
4223	TraesCS1D03G0506800	1.53638	0.70247	No	No
4224	TraesCS1D03G0507000	0.80236	1.87643	No	No
4225	TraesCS1D03G0507100	1.07538	0.68664	No	No
4226	TraesCS1D03G0507200	0.83258	1.05012	No	No
4227	TraesCS1D03G0507700	1.8369	0.53464	No	No
4228	TraesCS1D03G0507800	0.81489	2.46006	Down	Up
4229	TraesCS1D03G0507800	1.30101	1.57211	UP	UP
4230	TraesCS1D03G0508100	1.54787	1.1737	UP	UP
4231	TraesCS1D03G0508800	1.08038	0.90183	No	No
4232	TraesCS1D03G0509100	0.81478	0.38415	Down	Down
4233	TraesCS1D03G0509200	1.03823	1.57905	UP	UP
4234	TraesCS1D03G0509600	0.79451	0.95755	Down	Down
4235	TraesCS1D03G0509700	1.04637	1.27185	UP	UP
4236	TraesCS1D03G0510000	1.42052	0.54592	No	No
4237	TraesCS1D03G0510100	1.16408	1.20838	UP	UP
4238	TraesCS1D03G0510400	0.88817	0.98195	Down	Down
4239	TraesCS1D03G0510700	1.2128	0.78232	No	No
4240	TraesCS1D03G0511000	1.07938	1.62164	UP	UP
4241	TraesCS1D03G0511100	1.38474	0.71071	No	No
4242	TraesCS1D03G0511200	1.07598	0.80041	No	No
4243	TraesCS1D03G0511300	1.06338	1.04918	UP	UP
4244	TraesCS1D03G0511900	0.76266	1.22045	No	No
4245	TraesCS1D03G0512000	1.01289	0.7923	No	No
4246	TraesCS1D03G0512200	0.76472	3.68951	Down	Up
4247	TraesCS1D03G0514300	0.96297	1.5189	No	No
4248	TraesCS1D03G0514600	1.32579	0.78397	No	No
4249	TraesCS1D03G0514600	1.13932	0.77778	No	No
4250	TraesCS1D03G0515200	1.01307	0.59378	No	No
4253	TraesCS1D03G0517200	1.1163	1.78348	UP	UP
4254	TraesCS1D03G0517800	1.02821	0.89139	No	No
4255	TraesCS1D03G0517900	1.18459	0.46642	Up	Down
4256	TraesCS1D03G0518300	1.12119	0.82518	No	No
4257	TraesCS1D03G0518700	1.11203	0.42419	Up	Down
4258	TraesCS1D03G0519400	1.20337	0.92659	No	No
4260	TraesCS1D03G0520000	1.10332	2.31273	Up	Up
4261	TraesCS1D03G0521900	0.86435	1.28733	No	No
4262	TraesCS1D03G0522300	1.36669	2.17698	Up	Up
4263	TraesCS1D03G0523000	0.80709	1.71697	No	No
4264	TraesCS1D03G0523200	0.57431	13.3844	Down	Up
4265	TraesCS1D03G0523300	1.19474	10.0155	Up	Up
4266	TraesCS1D03G0523400	0.9324	1.04791	No	No
4267	TraesCS1D03G0524100	1.18379	0.53238	No	No

4268	TraesCS1D03G0524300	1.72759	0.81926	No	No
4269	TraesCS1D03G0525500	0.75571	1.16072	No	No
4270	TraesCS1D03G0526000	1.01426	1.71724	UP	UP
4271	TraesCS1D03G0526100	0.67293	0.92027	Down	Down
4272	TraesCS1D03G0526300	1.34181	0.70324	No	No
4273	TraesCS1D03G0526400	1.3467	1.06749	UP	UP
4276	TraesCS1D03G0526900	0.93377	1.98287	No	No
4278	TraesCS1D03G0527300	1.07181	1.08149	UP	UP
4279	TraesCS1D03G0528000	1.04299	0.52289	No	No
4280	TraesCS1D03G0528100	0.43306	2.37467	Down	Up
4282	TraesCS1D03G0528300	0.78281	0.47997	Down	Down
4283	TraesCS1D03G0528400	1.10078	0.59258	No	No
4284	TraesCS1D03G0528600	0.98452	0.81976	Down	Down
4285	TraesCS1D03G0529000	1.66764	1.6757	UP	UP
4286	TraesCS1D03G0530400	0.95063	0.80121	Down	Down
4287	TraesCS1D03G0530600	0.47245	3.90756	Down	Up
4288	TraesCS1D03G0531500	0.91517	0.69723	Down	Down
4289	TraesCS1D03G0531600	0.72917	1.15945	No	No
4290	TraesCS1D03G0531700	0.76863	0.49442	Down	Down
4291	TraesCS1D03G0532100	1.31512	2.02522	Up	Up
4292	TraesCS1D03G0532400	1.31143	8.56507	Up	Up
4293	TraesCS1D03G0534000	0.75171	1.45515	No	No
4294	TraesCS1D03G0534800	0.85741	0.82496	Down	Down
4295	TraesCS1D03G0535000	0.63906	1.81542	No	No
4296	TraesCS1D03G0535100	0.62734	1.95777	No	No
4297	TraesCS1D03G0535600	0.87297	0.90383	Down	Down
4298	TraesCS1D03G0535600	1.48254	0.28415	Up	Down
4299	TraesCS1D03G0535800	1.1818	1.30388	UP	UP
4300	TraesCS1D03G0536400	1.18331	1.08005	UP	UP
4301	TraesCS1D03G0537400	0.97741	0.53931	Down	Down
4302	TraesCS1D03G0539300	1.16706	1.1909	UP	UP
4303	TraesCS1D03G0539400	0.85381	2.79271	Down	Up
4304	TraesCS1D03G0539700	0.99906	1.45274	No	No
4305	TraesCS1D03G0539800	1.09586	1.65749	UP	UP
4306	TraesCS1D03G0539900	0.97045	1.50757	No	No
4307	TraesCS1D03G0540000	0.82452	2.10719	Down	Up
4308	TraesCS1D03G0540200	1.11335	0.85643	No	No
4309	TraesCS1D03G0540300	1.17272	0.63065	No	No
4310	TraesCS1D03G0541000	1.22917	1.36282	UP	UP
4311	TraesCS1D03G0541100	0.82888	2.64799	Down	Up
4313	TraesCS1D03G0541900	1.14173	0.57313	No	No
4314	TraesCS1D03G0542000	0.9586	0.53763	Down	Down
4315	TraesCS1D03G0542400	0.91534	0.88312	Down	Down
4316	TraesCS1D03G0543900	1.0885	0.79562	No	No
4317	TraesCS1D03G0544300	1.32322	0.90411	No	No
4318	TraesCS1D03G0544800	0.758	3.0813	Down	Up
4319	TraesCS1D03G0544900	1.32063	0.41369	Up	Down
4320	TraesCS1D03G0545100	1.45839	0.73691	No	No
4321	TraesCS1D03G0545500	0.87233	0.91913	Down	Down
4322	TraesCS1D03G0545600	0.89392	1.21836	No	No
4323	TraesCS1D03G0545900	0.87763	21.5282	Down	Up
4324	TraesCS1D03G0546000	0.70703	0.97211	Down	Down

4325	TraesCS1D03G0546200	0.91001	0.88913	Down	Down
4326	TraesCS1D03G0546600	1.24076	1.65655	UP	UP
4327	TraesCS1D03G0547100	1.23723	1.19169	UP	UP
4328	TraesCS1D03G0547500	0.88357	0.81438	Down	Down
4330	TraesCS1D03G0547900	1.26814	3.27827	Up	Up
4331	TraesCS1D03G0548500	0.79678	0.7597	Down	Down
4332	TraesCS1D03G0548600	0.82567	1.24947	No	No
4333	TraesCS1D03G0548700	0.94319	0.6783	Down	Down
4334	TraesCS1D03G0549400	0.91108	0.8184	Down	Down
4335	TraesCS1D03G0549500	0.97814	0.5146	Down	Down
4336	TraesCS1D03G0549900	0.96095	1.23445	No	No
4337	TraesCS1D03G0550500	1.09789	1.13526	UP	UP
4338	TraesCS1D03G0551600	0.84458	0.51428	Down	Down
4339	TraesCS1D03G0552200	0.60233	1.07638	No	No
4341	TraesCS1D03G0552600	1.38712	0.67579	No	No
4342	TraesCS1D03G0552900	0.9291	2.53328	Down	Up
4343	TraesCS1D03G0553200	0.77505	1.97231	No	No
4344	TraesCS1D03G0553800	0.84802	3.97866	Down	Up
4345	TraesCS1D03G0553900	1.05539	0.8137	No	No
4346	TraesCS1D03G0554000	0.82745	1.66745	No	No
4347	TraesCS1D03G0554100	1.0104	1.9494	UP	UP
4348	TraesCS1D03G0555000	1.11302	0.21575	Up	Down
4349	TraesCS1D03G0555100	0.79253	3.39717	Down	Up
4351	TraesCS1D03G0555400	1.06135	0.30779	Up	Down
4352	TraesCS1D03G0555500	0.95709	0.84902	Down	Down
4353	TraesCS1D03G0555700	1.04687	0.59855	No	No
4354	TraesCS1D03G0555800	1.14664	0.42674	Up	Down
4355	TraesCS1D03G0556400	1.15141	1.26297	UP	UP
4356	TraesCS1D03G0556800	0.81345	1.4005	No	No
4357	TraesCS1D03G0556900	0.98558	1.03387	No	No
4358	TraesCS1D03G0557500	0.67826	0.92933	Down	Down
4359	TraesCS1D03G0558200	1.11464	0.4419	Up	Down
4360	TraesCS1D03G0558500	0.83035	0.67616	Down	Down
4361	TraesCS1D03G0558700	0.88872	0.29899	Down	Down
4362	TraesCS1D03G0559000	0.92505	1.58709	No	No
4363	TraesCS1D03G0559300	0.9027	1.17177	No	No
4364	TraesCS1D03G0560200	0.66774	1.38714	No	No
4367	TraesCS1D03G0561000	1.18808	0.81129	No	No
4368	TraesCS1D03G0561200	0.91263	1.34513	No	No
4369	TraesCS1D03G0561300	0.59012	2.02826	Down	Up
4372	TraesCS1D03G0562900	1.14008	1.823	UP	UP
4373	TraesCS1D03G0563100	0.79846	2.44894	Down	Up
4374	TraesCS1D03G0563500	1.2756	1.43446	UP	UP
4375	TraesCS1D03G0564400	1.07059	0.78479	No	No
4377	TraesCS1D03G0564700	0.68271	0.31986	Down	Down
4379	TraesCS1D03G0565400	0.384	0.51066	Down	Down
4380	TraesCS1D03G0565500	1.06877	1.19964	UP	UP
4382	TraesCS1D03G0567900	0.99379	0.82617	Down	Down
4383	TraesCS1D03G0568600	0.82814	6.95713	Down	Up
4384	TraesCS1D03G0569100	1.17702	1.32509	UP	UP
4385	TraesCS1D03G0569400	0.84224	0.82884	Down	Down
4386	TraesCS1D03G0569500	0.7732	1.03606	No	No

4387	TraesCS1D03G0569800	1.15925	0.22298	Up	Down
4388	TraesCS1D03G0569900	0.94135	0.8917	Down	Down
4389	TraesCS1D03G0571200	0.72249	0.81228	Down	Down
4391	TraesCS1D03G0572300	0.12168	0.61756	Down	Down
4392	TraesCS1D03G0572700	0.73517	1.97975	No	No
4393	TraesCS1D03G0574000	1.03928	0.61429	No	No
4395	TraesCS1D03G0575400	0.97061	1.05584	No	No
4396	TraesCS1D03G0575500	1.27568	1.31366	UP	UP
4397	TraesCS1D03G0576200	0.82676	1.1237	No	No
4398	TraesCS1D03G0576600	1.2347	1.03715	UP	UP
4399	TraesCS1D03G0576800	1.03122	0.90971	No	No
4400	TraesCS1D03G0576900	1.00226	0.58197	No	No
4401	TraesCS1D03G0577800	0.9432	3.8601	Down	Up
4402	TraesCS1D03G0578300	0.77838	1.93409	No	No
4403	TraesCS1D03G0578500	1.17366	1.08963	UP	UP
4404	TraesCS1D03G0579100	1.31728	0.57356	No	No
4405	TraesCS1D03G0579700	0.79485	0.9769	Down	Down
4406	TraesCS1D03G0580300	0.58782	0.25905	Down	Down
4407	TraesCS1D03G0580500	0.99393	0.24512	Down	Down
4408	TraesCS1D03G0580700	1.11313	1.1439	UP	UP
4409	TraesCS1D03G0580700	0.97124	1.0107	No	No
4410	TraesCS1D03G0581300	0.99541	1.03739	No	No
4411	TraesCS1D03G0581800	0.76302	3.30176	Down	Up
4412	TraesCS1D03G0582000	0.62092	0.8298	Down	Down
4413	TraesCS1D03G0582300	0.91482	2.15368	Down	Up
4414	TraesCS1D03G0583100	1.26447	1.19433	UP	UP
4415	TraesCS1D03G0583400	1.05709	0.84363	No	No
4416	TraesCS1D03G0583600	0.89285	0.29048	Down	Down
4417	TraesCS1D03G0583900	0.92053	0.53608	Down	Down
4418	TraesCS1D03G0584500	0.87744	3.63895	Down	Up
4419	TraesCS1D03G0585100	0.5489	2.01327	Down	Up
4420	TraesCS1D03G0585200	0.76075	2.48947	Down	Up
4421	TraesCS1D03G0585900	1.1243	0.78263	No	No
4422	TraesCS1D03G0586500	0.70324	0.70306	Down	Down
4423	TraesCS1D03G0587100	1.09472	2.65322	Up	Up
4424	TraesCS1D03G0587900	1.02803	0.50181	No	No
4425	TraesCS1D03G0588600	1.04912	1.68537	UP	UP
4427	TraesCS1D03G0589600	0.97693	0.47299	Down	Down
4428	TraesCS1D03G0590100	1.00391	1.14071	UP	UP
4429	TraesCS1D03G0590400	0.61146	1.01787	No	No
4430	TraesCS1D03G0590500	1.10168	0.99936	No	No
4431	TraesCS1D03G0590700	0.84304	1.02156	No	No
4432	TraesCS1D03G0591000	0.95179	0.83059	Down	Down
4433	TraesCS1D03G0591500	0.89993	0.58414	Down	Down
4434	TraesCS1D03G0591900	1.21101	2.63054	Up	Up
4436	TraesCS1D03G0592600	1.16592	1.31351	UP	UP
4437	TraesCS1D03G0592700	1.00252	1.24146	UP	UP
4438	TraesCS1D03G0593700	1.05338	1.43768	UP	UP
4439	TraesCS1D03G0594400	0.95532	0.91392	Down	Down
4441	TraesCS1D03G0594800	0.93244	1.6572	No	No
4442	TraesCS1D03G0595700	0.71665	1.52082	No	No
4443	TraesCS1D03G0596000	0.73979	2.3741	Down	Up

4444	TraesCS1D03G0596100	0.85055	3.42327	Down	Up
4445	TraesCS1D03G0596200	0.98545	3.57899	Down	Up
4446	TraesCS1D03G0596300	0.55176	1.82267	No	No
4447	TraesCS1D03G0596800	0.79362	1.73763	No	No
4448	TraesCS1D03G0597100	0.7155	0.65872	Down	Down
4449	TraesCS1D03G0597400	0.55559	1.82073	No	No
4450	TraesCS1D03G0597600	1.23398	0.55104	No	No
4453	TraesCS1D03G0599200	1.25421	0.87543	No	No
4454	TraesCS1D03G0599900	1.25087	0.89963	No	No
4455	TraesCS1D03G0600000	1.35192	0.14368	Up	Down
4457	TraesCS1D03G0600200	0.91161	1.2327	No	No
4458	TraesCS1D03G0600900	0.99107	0.91631	Down	Down
4459	TraesCS1D03G0601400	1.25914	1.98631	UP	UP
4460	TraesCS1D03G0601500	1.049	0.60343	No	No
4461	TraesCS1D03G0602400	1.24375	1.04094	UP	UP
4462	TraesCS1D03G0602500	1.07039	1.38615	UP	UP
4463	TraesCS1D03G0602800	0.92185	0.61767	Down	Down
4464	TraesCS1D03G0603200	2.10039	0.67462	Up	Down
4465	TraesCS1D03G0604400	1.29779	0.18553	Up	Down
4466	TraesCS1D03G0604700	0.62777	2.29929	Down	Up
4467	TraesCS1D03G0604900	0.79118	0.85595	Down	Down
4468	TraesCS1D03G0605500	1.07073	0.76703	No	No
4469	TraesCS1D03G0605600	0.87147	0.90673	Down	Down
4470	TraesCS1D03G0605700	1.16676	0.91522	No	No
4471	TraesCS1D03G0605900	1.19108	0.97448	No	No
4473	TraesCS1D03G0606600	1.10074	0.34114	Up	Down
4474	TraesCS1D03G0606600	1.29556	0.2777	Up	Down
4475	TraesCS1D03G0606900	0.83232	2.52263	Down	Up
4476	TraesCS1D03G0607000	0.78242	1.53775	No	No
4477	TraesCS1D03G0607700	0.97884	1.71497	No	No
4478	TraesCS1D03G0608000	0.92003	1.58555	No	No
4479	TraesCS1D03G0609200	0.94164	0.45491	Down	Down
4480	TraesCS1D03G0609300	1.15307	0.84633	No	No
4481	TraesCS1D03G0609400	1.02838	1.59485	UP	UP
4482	TraesCS1D03G0609700	1.2845	0.66489	No	No
4483	TraesCS1D03G0609800	1.23754	0.82569	No	No
4484	TraesCS1D03G0610100	1.0319	0.65279	No	No
4485	TraesCS1D03G0610200	0.92825	0.59533	Down	Down
4486	TraesCS1D03G0611100	0.86822	1.9206	No	No
4487	TraesCS1D03G0611300	1.08467	2.65558	Up	Up
4488	TraesCS1D03G0611400	1.35988	0.78765	No	No
4489	TraesCS1D03G0611500	0.95417	0.49238	Down	Down
4490	TraesCS1D03G0613400	1.11651	0.88896	No	No
4491	TraesCS1D03G0613500	1.09044	1.19321	UP	UP
4492	TraesCS1D03G0613900	1.16018	1.01775	UP	UP
4493	TraesCS1D03G0614000	1.10598	1.44563	UP	UP
4494	TraesCS1D03G0614900	0.76288	0.49216	Down	Down
4495	TraesCS1D03G0615000	0.72617	1.04955	No	No
4496	TraesCS1D03G0615800	1.59976	1.91542	UP	UP
4497	TraesCS1D03G0615800	0.68404	0.52756	Down	Down
4498	TraesCS1D03G0615900	1.09919	0.96678	No	No
4499	TraesCS1D03G0617300	0.29586	5.60698	Down	Up

4500	TraesCS1D03G0617600	0.96833	2.12271	Down	Up
4501	TraesCS1D03G0617800	0.3663	1.86453	Down	Up
4502	TraesCS1D03G0618200	0.98517	0.92987	Down	Down
4503	TraesCS1D03G0618500	0.81963	0.50939	Down	Down
4504	TraesCS1D03G0618600	0.85433	0.61954	Down	Down
4505	TraesCS1D03G0618800	1.11746	0.74449	No	No
4506	TraesCS1D03G0618900	0.73335	0.64335	Down	Down
4509	TraesCS1D03G0624800	0.83859	1.4974	No	No
4510	TraesCS1D03G0624900	0.78444	1.82599	No	No
4511	TraesCS1D03G0625000	1.43268	3.48398	Up	Up
4513	TraesCS1D03G0625500	0.92953	2.4363	Down	Up
4514	TraesCS1D03G0625700	0.65892	2.78158	Down	Up
4515	TraesCS1D03G0625800	0.83224	0.73788	Down	Down
4516	TraesCS1D03G0627300	1.1083	1.01761	UP	UP
4517	TraesCS1D03G0627900	1.12694	0.73223	No	No
4518	TraesCS1D03G0628300	2.09714	1.37965	Up	Up
4519	TraesCS1D03G0628600	1.14584	0.78411	No	No
4520	TraesCS1D03G0629500	1.05238	1.00511	UP	UP
4521	TraesCS1D03G0629600	0.81022	1.29914	No	No
4522	TraesCS1D03G0630200	0.49817	1.00784	Down	Up
4523	TraesCS1D03G0632000	1.01007	0.70827	No	No
4524	TraesCS1D03G0632400	1.0073	0.99222	No	No
4525	TraesCS1D03G0632500	0.63122	1.15602	No	No
4526	TraesCS1D03G0632700	0.94623	1.28107	No	No
4527	TraesCS1D03G0633000	0.88017	1.37962	No	No
4528	TraesCS1D03G0633100	1.11659	0.72529	No	No
4530	TraesCS1D03G0633600	0.86412	1.42793	No	No
4531	TraesCS1D03G0634500	1.22891	0.60868	No	No
4532	TraesCS1D03G0634900	0.75963	2.65514	Down	Up
4533	TraesCS1D03G0635900	3.70082	0.35515	Up	Down
4534	TraesCS1D03G0636100	0.9478	1.691	No	No
4535	TraesCS1D03G0636400	0.6385	1.21846	No	No
4536	TraesCS1D03G0637400	0.87113	1.39809	No	No
4537	TraesCS1D03G0637900	0.5338	0.8586	Down	Down
4538	TraesCS1D03G0638100	0.87613	1.73166	No	No
4539	TraesCS1D03G0638400	1.71954	0.54457	No	No
4540	TraesCS1D03G0639100	0.73333	1.00336	No	No
4541	TraesCS1D03G0640500	0.58826	5.47303	Down	Up
4542	TraesCS1D03G0641800	1.23153	2.54313	Up	Up
4543	TraesCS1D03G0642700	1.26981	1.7693	UP	UP
4544	TraesCS1D03G0643000	1.31496	1.27304	UP	UP
4545	TraesCS1D03G0643900	0.72378	0.36553	Down	Down
4546	TraesCS1D03G0644800	1.07769	0.51288	No	No
4547	TraesCS1D03G0645200	2.00698	1.02833	Up	Up
4548	TraesCS1D03G0645800	1.39572	0.17454	Up	Down
4549	TraesCS1D03G0646100	0.85571	1.74675	No	No
4550	TraesCS1D03G0646200	1.06153	0.97553	No	No
4551	TraesCS1D03G0646300	0.7833	0.62459	Down	Down
4552	TraesCS1D03G0646400	1.02884	1.1718	UP	UP
4553	TraesCS1D03G0646500	0.93055	0.36386	Down	Down
4555	TraesCS1D03G0646900	0.90576	1.16992	No	No
4557	TraesCS1D03G0647400	1.35893	1.19249	UP	UP

4559	TraesCS1D03G0648700	1.41867	0.81264	No	No
4560	TraesCS1D03G0648800	1.21653	2.35978	Up	Up
4561	TraesCS1D03G0649000	0.81995	1.25513	No	No
4562	TraesCS1D03G0649100	1.3061	0.77828	No	No
4563	TraesCS1D03G0649200	1.16836	1.75255	UP	UP
4564	TraesCS1D03G0649300	1.08712	3.21721	Up	Up
4565	TraesCS1D03G0649300	0.5847	1.28093	No	No
4566	TraesCS1D03G0649600	0.54213	16.6809	Down	Up
4567	TraesCS1D03G0650100	1.2734	3.16963	Up	Up
4568	TraesCS1D03G0650600	0.48958	6.59385	Down	Up
4571	TraesCS1D03G0652000	0.6306	3.56095	Down	Up
4572	TraesCS1D03G0652500	1.39048	1.51271	UP	UP
4575	TraesCS1D03G0653900	0.98917	1.00271	No	No
4576	TraesCS1D03G0654500	0.7649	2.41622	Down	Up
4577	TraesCS1D03G0654900	1.06301	0.86135	No	No
4578	TraesCS1D03G0655000	0.71879	5.82042	Down	Up
4579	TraesCS1D03G0655500	1.40081	7.28071	Up	Up
4580	TraesCS1D03G0655800	1.09	0.75554	No	No
4583	TraesCS1D03G0657200	0.50495	1.47574	No	No
4584	TraesCS1D03G0658400	0.97657	0.88413	Down	Down
4585	TraesCS1D03G0659200	1.61046	1.24569	UP	UP
4586	TraesCS1D03G0659500	0.6745	3.6204	Down	Up
4587	TraesCS1D03G0660300	0.77486	2.47752	Down	Up
4588	TraesCS1D03G0660400	0.76099	1.9098	No	No
4589	TraesCS1D03G0660600	0.6345	0.98792	Down	Down
4590	TraesCS1D03G0662100	1.0682	3.62135	Up	Up
4591	TraesCS1D03G0663100	0.71907	1.5496	No	No
4592	TraesCS1D03G0663200	1.01238	1.33119	UP	UP
4595	TraesCS1D03G0665400	0.79132	1.70272	No	No
4596	TraesCS1D03G0665500	0.89236	1.2387	No	No
4597	TraesCS1D03G0665700	0.82228	2.19423	Down	Up
4598	TraesCS1D03G0666300	1.03688	1.24143	UP	UP
4599	TraesCS1D03G0666500	0.8854	1.01929	No	No
4600	TraesCS1D03G0666900	2.12782	2.76143	Up	Up
4601	TraesCS1D03G0668000	1.68938	1.68333	UP	UP
4602	TraesCS1D03G0668400	0.56775	2.30747	Down	Up
4604	TraesCS1D03G0668900	1.60794	0.47081	Up	Down
4605	TraesCS1D03G0669000	1.09867	0.90729	No	No
4606	TraesCS1D03G0670100	1.34811	0.35216	Up	Down
4607	TraesCS1D03G0670100	2.18787	0.23479	Up	Down
4609	TraesCS1D03G0672300	1.26507	1.19151	UP	UP
4610	TraesCS1D03G0672600	0.88014	5.56852	Down	Up
4611	TraesCS1D03G0672800	1.16632	0.37474	Up	Down
4612	TraesCS1D03G0673000	1.22704	0.71122	No	No
4613	TraesCS1D03G0673600	0.99763	0.77964	Down	Down
4614	TraesCS1D03G0673700	1.26547	0.13744	Up	Down
4615	TraesCS1D03G0673700	1.31465	0.31701	Up	Down
4616	TraesCS1D03G0674300	0.68616	0.83903	Down	Down
4617	TraesCS1D03G0674800	1.00254	0.60783	No	No
4618	TraesCS1D03G0675000	0.84703	1.14022	No	No
4619	TraesCS1D03G0675200	1.00378	1.39142	UP	UP
4620	TraesCS1D03G0675300	1.01343	0.50926	No	No

4621	TraesCS1D03G0675400	0.84781	1.42956	No	No
4623	TraesCS1D03G0675900	0.66454	2.97773	Down	Up
4624	TraesCS1D03G0676900	0.97357	1.24465	No	No
4625	TraesCS1D03G0677100	0.262	8.30648	Down	Up
4626	TraesCS1D03G0677400	1.14209	0.58763	No	No
4627	TraesCS1D03G0677700	1.02977	1.42897	UP	UP
4628	TraesCS1D03G0678000	0.77718	0.66926	Down	Down
4629	TraesCS1D03G0679200	0.86657	0.79676	Down	Down
4630	TraesCS1D03G0681000	0.59134	1.57692	No	No
4631	TraesCS1D03G0681300	0.82704	1.80819	No	No
4632	TraesCS1D03G0681600	0.9527	1.06453	No	No
4633	TraesCS1D03G0681800	1.13342	1.03281	UP	UP
4634	TraesCS1D03G0681900	0.74995	1.85023	No	No
4635	TraesCS1D03G0682000	1.09755	0.91833	No	No
4637	TraesCS1D03G0683300	0.66719	2.67542	Down	Up
4638	TraesCS1D03G0683500	0.91296	1.906	No	No
4639	TraesCS1D03G0683600	0.65719	1.31974	No	No
4640	TraesCS1D03G0685500	0.79715	0.50791	Down	Down
4641	TraesCS1D03G0685700	0.40165	0.10307	Down	Down
4642	TraesCS1D03G0686000	1.17133	1.27446	UP	UP
4643	TraesCS1D03G0686400	1.19196	1.40767	UP	UP
4644	TraesCS1D03G0686400	0.93199	0.9704	Down	Down
4645	TraesCS1D03G0686700	0.67517	2.84215	Down	Up
4647	TraesCS1D03G0689400	0.96326	0.78219	Down	Down
4648	TraesCS1D03G0689500	0.60981	1.60151	No	No
4649	TraesCS1D03G0689600	1.17537	0.63478	No	No
4650	TraesCS1D03G0689800	0.74888	1.46676	No	No
4652	TraesCS1D03G0690100	0.56416	1.18452	No	No
4653	TraesCS1D03G0690200	0.93374	0.72845	Down	Down
4654	TraesCS1D03G0691400	0.68422	3.29047	Down	Up
4655	TraesCS1D03G0691500	0.77025	0.69032	Down	Down
4656	TraesCS1D03G0691700	0.66614	1.32678	No	No
4657	TraesCS1D03G0691800	0.39526	1.14388	Down	Up
4658	TraesCS1D03G0691900	0.55389	0.93933	Down	Down
4659	TraesCS1D03G0692000	0.57191	0.80747	Down	Down
4660	TraesCS1D03G0692100	0.80968	1.89938	No	No
4661	TraesCS1D03G0692800	0.84516	0.78208	Down	Down
4662	TraesCS1D03G0693800	0.93288	0.60994	Down	Down
4663	TraesCS1D03G0694200	1.22072	1.13913	UP	UP
4664	TraesCS1D03G0695000	0.76053	2.40998	Down	Up
4665	TraesCS1D03G0695100	1.08876	0.66478	No	No
4668	TraesCS1D03G0703400	0.55442	1.84863	No	No
4670	TraesCS1D03G0703900	0.66758	0.28289	Down	Down
4671	TraesCS1D03G0704400	0.60223	1.52359	No	No
4672	TraesCS1D03G0704800	0.90203	0.87975	Down	Down
4673	TraesCS1D03G0705000	0.85959	1.26199	No	No
4674	TraesCS1D03G0705400	1.36721	0.74377	No	No
4677	TraesCS1D03G0707300	0.79578	1.19581	No	No
4678	TraesCS1D03G0707400	1.08938	2.64931	Up	Up
4679	TraesCS1D03G0707900	1.104	1.76388	UP	UP
4680	TraesCS1D03G0708200	1.13454	1.9158	UP	UP
4683	TraesCS1D03G0710700	0.70916	4.29175	Down	Up

4684	TraesCS1D03G0710800	0.87729	3.54583	Down	Up
4685	TraesCS1D03G0710900	1.19565	1.35354	UP	UP
4686	TraesCS1D03G0711000	1.56117	0.34629	Up	Down
4687	TraesCS1D03G0711800	1.17513	1.68006	UP	UP
4688	TraesCS1D03G0711900	0.82704	2.82766	Down	Up
4689	TraesCS1D03G0712200	0.91466	0.57316	Down	Down
4690	TraesCS1D03G0712300	0.83898	2.26448	Down	Up
4691	TraesCS1D03G0712600	3.69313	1.1237	Up	Up
4693	TraesCS1D03G0716600	0.48068	0.01134	Down	Down
4695	TraesCS1D03G0717700	0.68025	2.47666	Down	Up
4696	TraesCS1D03G0719400	1.19976	0.31675	Up	Down
4697	TraesCS1D03G0719600	0.83869	1.2241	No	No
4699	TraesCS1D03G0721300	0.9356	0.60519	Down	Down
4700	TraesCS1D03G0721300	1.55764	0.39633	Up	Down
4701	TraesCS1D03G0721400	0.71437	4.79092	Down	Up
4702	TraesCS1D03G0721500	0.44369	9.1093	Down	Up
4703	TraesCS1D03G0721600	0.92523	0.75621	Down	Down
4704	TraesCS1D03G0721700	0.75456	1.27744	No	No
4705	TraesCS1D03G0722800	0.91182	1.62411	No	No
4706	TraesCS1D03G0723600	0.55642	0.31756	Down	Down
4708	TraesCS1D03G0725300	0.7268	4.48988	Down	Up
4709	TraesCS1D03G0725400	0.81648	2.28761	Down	Up
4710	TraesCS1D03G0725500	0.71777	1.90572	No	No
4711	TraesCS1D03G0727000	1.05078	0.96172	No	No
4712	TraesCS1D03G0727200	1.59637	0.89912	No	No
4713	TraesCS1D03G0727400	0.83846	0.30611	Down	Down
4715	TraesCS1D03G0727700	0.8992	2.53137	Down	Up
4716	TraesCS1D03G0728000	1.19185	0.89922	No	No
4717	TraesCS1D03G0728200	1.15102	1.21899	UP	UP
4718	TraesCS1D03G0728300	0.4416	1.7225	Down	Up
4719	TraesCS1D03G0728400	0.7934	1.11085	No	No
4720	TraesCS1D03G0728500	0.90067	0.38597	Down	Down
4721	TraesCS1D03G0728900	0.91278	1.37895	No	No
4723	TraesCS1D03G0730700	0.8734	1.08769	No	No
4724	TraesCS1D03G0730800	0.6505	1.16039	No	No
4725	TraesCS1D03G0731100	0.78606	3.11146	Down	Up
4726	TraesCS1D03G0731200	2.32288	0.43085	Up	Down
4727	TraesCS1D03G0732200	0.82241	0.9994	Down	Down
4728	TraesCS1D03G0732300	0.91987	0.27194	Down	Down
4730	TraesCS1D03G0732900	0.87487	1.42881	No	No
4731	TraesCS1D03G0733000	1.62423	1.72363	UP	UP
4733	TraesCS1D03G0734500	1.13945	0.4883	Up	Down
4734	TraesCS1D03G0735100	0.75793	1.69329	No	No
4735	TraesCS1D03G0736900	0.86646	1.61263	No	No
4736	TraesCS1D03G0737400	1.25169	0.93968	No	No
4738	TraesCS1D03G0737600	0.62485	6.16392	Down	Up
4739	TraesCS1D03G0737700	0.8371	0.85949	Down	Down
4740	TraesCS1D03G0738900	0.55033	5.63442	Down	Up
4741	TraesCS1D03G0739900	0.91555	0.99412	Down	Down
4742	TraesCS1D03G0740000	1.10819	0.99037	No	No
4743	TraesCS1D03G0741100	0.92996	1.12955	No	No
4744	TraesCS1D03G0741200	0.7682	0.76585	Down	Down

4745	TraesCS1D03G0741400	1.02437	0.34061	Up	Down
4747	TraesCS1D03G0742700	0.60829	1.3881	No	No
4748	TraesCS1D03G0742800	0.91905	1.71736	No	No
4749	TraesCS1D03G0744800	0.69802	0.69449	Down	Down
4753	TraesCS1D03G0745300	0.94888	0.97734	Down	Down
4754	TraesCS1D03G0745400	0.87685	0.4448	Down	Down
4755	TraesCS1D03G0746100	1.06395	1.35285	UP	UP
4756	TraesCS1D03G0747700	0.57359	1.36694	No	No
4757	TraesCS1D03G0748300	1.00262	0.99329	No	No
4758	TraesCS1D03G0749000	0.93784	1.07349	No	No
4759	TraesCS1D03G0749400	1.08041	2.46443	Up	Up
4760	TraesCS1D03G0749700	1.14188	0.38069	Up	Down
4761	TraesCS1D03G0749900	1.0073	1.08466	UP	UP
4762	TraesCS1D03G0752400	1.25553	1.28608	UP	UP
4763	TraesCS1D03G0753700	1.02878	2.11181	Up	Up
4765	TraesCS1D03G0754800	1.11034	2.69801	Up	Up
4766	TraesCS1D03G0754900	0.85064	2.20651	Down	Up
4767	TraesCS1D03G0756800	0.80139	1.84998	No	No
4768	TraesCS1D03G0757800	0.98349	0.4471	Down	Down
4769	TraesCS1D03G0757900	1.12986	1.2245	UP	UP
4770	TraesCS1D03G0758000	1.66792	0.90936	No	No
4771	TraesCS1D03G0759800	1.20722	0.7005	No	No
4772	TraesCS1D03G0761800	1.29183	0.61555	No	No
4773	TraesCS1D03G0763300	1.6146	0.10916	Up	Down
4774	TraesCS1D03G0763500	0.95038	1.26453	No	No
4775	TraesCS1D03G0763700	1.37089	0.48519	Up	Down
4776	TraesCS1D03G0764000	3.01358	8.25661	Up	Up
4777	TraesCS1D03G0765800	0.94908	0.85407	Down	Down
4779	TraesCS1D03G0768100	0.5883	2.73971	Down	Up
4780	TraesCS1D03G0768400	1.12288	0.68311	No	No
4781	TraesCS1D03G0772200	0.85813	1.01153	No	No
4782	TraesCS1D03G0772600	1.69597	0.39273	Up	Down
4783	TraesCS1D03G0772900	1.17949	0.72098	No	No
4784	TraesCS1D03G0777100	1.05254	0.88045	No	No
4785	TraesCS1D03G0777100	0.6097	0.37239	Down	Down
4786	TraesCS1D03G0777300	0.75547	1.49469	No	No
4787	TraesCS1D03G0777800	0.6009	1.8164	No	No
4788	TraesCS1D03G0777900	1.47132	0.40761	Up	Down
4789	TraesCS1D03G0778200	0.94008	1.12808	No	No
4790	TraesCS1D03G0778500	1.17248	0.31987	Up	Down
4791	TraesCS1D03G0780300	0.95146	1.99054	No	No
4792	TraesCS1D03G0780400	0.74334	0.7648	Down	Down
4793	TraesCS1D03G0780500	1.04114	0.9476	No	No
4794	TraesCS1D03G0780600	0.83727	0.95679	Down	Down
4795	TraesCS1D03G0781200	0.74657	0.7101	Down	Down
4796	TraesCS1D03G0781300	0.76898	1.33771	No	No
4797	TraesCS1D03G0782900	1.18565	1.10576	UP	UP
4798	TraesCS1D03G0783400	0.64357	0.93851	Down	Down
4799	TraesCS1D03G0785500	0.77172	1.47481	No	No
4800	TraesCS1D03G0785500	1.09817	1.25704	UP	UP
4803	TraesCS1D03G0789100	0.76764	0.90918	Down	Down
4804	TraesCS1D03G0789300	0.96831	1.13903	No	No

4805	TraesCS1D03G0789600	1.15068	1.96147	UP	UP
4806	TraesCS1D03G0789600	0.98826	2.43073	Down	Up
4807	TraesCS1D03G0789700	0.84235	1.36573	No	No
4808	TraesCS1D03G0789800	1.24381	0.74398	No	No
4809	TraesCS1D03G0790100	1.64419	0.65982	No	No
4810	TraesCS1D03G0790700	1.33828	0.44003	Up	Down
4811	TraesCS1D03G0791300	1.07129	1.31151	UP	UP
4812	TraesCS1D03G0791700	0.88091	0.64299	Down	Down
4813	TraesCS1D03G0792500	0.96259	0.6149	Down	Down
4814	TraesCS1D03G0792900	0.9958	0.18166	Down	Down
4815	TraesCS1D03G0793100	1.13756	1.02583	UP	UP
4816	TraesCS1D03G0793400	1.29271	0.95118	No	No
4817	TraesCS1D03G0793800	2.25967	0.85624	Up	Down
4818	TraesCS1D03G0794900	0.48732	0.86709	Down	Down
4819	TraesCS1D03G0794900	1.19036	0.94745	No	No
4820	TraesCS1D03G0795000	1.19737	1.67545	UP	UP
4821	TraesCS1D03G0795100	0.65785	1.95224	No	No
4823	TraesCS1D03G0796000	0.80497	2.18509	Down	Up
4824	TraesCS1D03G0798800	1.00235	1.08961	UP	UP
4825	TraesCS1D03G0798900	0.66683	1.37562	No	No
4826	TraesCS1D03G0800300	1.00604	0.84154	No	No
4827	TraesCS1D03G0800400	0.74908	0.71746	Down	Down
4828	TraesCS1D03G0800400	1.23086	0.65193	No	No
4829	TraesCS1D03G0803500	0.76265	1.96304	No	No
4830	TraesCS1D03G0804900	0.97838	1.51531	No	No
4831	TraesCS1D03G0805100	2.91597	1.74755	Up	Up
4832	TraesCS1D03G0805100	1.72661	2.82133	Up	Up
4833	TraesCS1D03G0805200	1.03158	0.76158	No	No
4835	TraesCS1D03G0805500	1.18606	1.87128	UP	UP
4836	TraesCS1D03G0806800	0.91396	0.66011	Down	Down
4837	TraesCS1D03G0807400	0.83711	1.0687	No	No
4838	TraesCS1D03G0808100	0.69424	2.52345	Down	Up
4839	TraesCS1D03G0808400	0.73211	1.3934	No	No
4840	TraesCS1D03G0809000	0.84111	1.1946	No	No
4841	TraesCS1D03G0809300	0.69037	2.94694	Down	Up
4842	TraesCS1D03G0809500	0.79569	1.46744	No	No
4843	TraesCS1D03G0809600	0.86416	0.7015	Down	Down
4844	TraesCS1D03G0809900	0.97461	0.75164	Down	Down
4845	TraesCS1D03G0811000	0.38272	0.57273	Down	Down
4846	TraesCS1D03G0812300	1.06781	1.36482	UP	UP
4849	TraesCS1D03G0813500	0.71062	2.03131	Down	Up
4850	TraesCS1D03G0813600	1.58799	3.45391	Up	Up
4851	TraesCS1D03G0813800	0.56829	2.36343	Down	Up
4852	TraesCS1D03G0814300	1.15959	1.02303	UP	UP
4853	TraesCS1D03G0814800	1.2623	1.07077	UP	UP
4854	TraesCS1D03G0815500	0.65506	1.44333	No	No
4855	TraesCS1D03G0815700	0.60083	1.37033	No	No
4856	TraesCS1D03G0819800	0.55011	1.87727	No	No
4857	TraesCS1D03G0819900	0.78545	1.37262	No	No
4858	TraesCS1D03G0821100	1.90791	0.63904	No	No
4859	TraesCS1D03G0821700	0.82685	0.64988	Down	Down
4860	TraesCS1D03G0821800	0.91598	0.60984	Down	Down

4861	TraesCS1D03G0822000	0.819	1.45462	No	No
4862	TraesCS1D03G0822300	0.84477	2.68228	Down	Up
4863	TraesCS1D03G0822400	0.73715	1.04438	No	No
4864	TraesCS1D03G0822500	1.08449	3.90672	Up	Up
4865	TraesCS1D03G0822600	0.58314	8.16502	Down	Up
4866	TraesCS1D03G0822800	0.56876	3.80706	Down	Up
4867	TraesCS1D03G0823100	0.85836	0.38604	Down	Down
4868	TraesCS1D03G0823200	1.30621	2.63958	Up	Up
4869	TraesCS1D03G0823400	0.99208	0.69698	Down	Down
4870	TraesCS1D03G0824200	0.87918	1.50019	No	No
4871	TraesCS1D03G0824300	0.94199	0.78195	Down	Down
4872	TraesCS1D03G0824900	0.71362	0.73928	Down	Down
4875	TraesCS1D03G0825600	0.88332	1.17268	No	No
4876	TraesCS1D03G0826400	0.82582	1.40126	No	No
4878	TraesCS1D03G0829900	1.14772	0.81211	No	No
4879	TraesCS1D03G0830200	0.97751	1.60309	No	No
4881	TraesCS1D03G0830800	1.07681	1.18939	UP	UP
4882	TraesCS1D03G0831900	1.20231	1.92168	UP	UP
4883	TraesCS1D03G0834800	0.91485	2.57048	Down	Up
4884	TraesCS1D03G0835000	0.41816	17.0528	Down	Up
4885	TraesCS1D03G0835100	1.52486	1.03267	UP	UP
4886	TraesCS1D03G0835500	0.73353	1.68988	No	No
4887	TraesCS1D03G0835900	0.98397	2.54968	Down	Up
4888	TraesCS1D03G0836200	0.92185	1.37756	No	No
4889	TraesCS1D03G0836300	0.88008	1.44005	No	No
4890	TraesCS1D03G0836400	1.71703	0.47669	Up	Down
4891	TraesCS1D03G0836400	1.13456	0.34392	Up	Down
4892	TraesCS1D03G0837400	0.89467	3.16729	Down	Up
4893	TraesCS1D03G0837500	0.89533	0.87811	Down	Down
4894	TraesCS1D03G0838300	0.68875	1.06714	No	No
4896	TraesCS1D03G0839400	0.86971	1.60976	No	No
4897	TraesCS1D03G0839500	1.20063	1.12306	UP	UP
4898	TraesCS1D03G0839900	1.29464	0.62283	No	No
4899	TraesCS1D03G0843800	0.34075	12.3971	Down	Up
4900	TraesCS1D03G0844700	0.97541	5.39101	Down	Up
4901	TraesCS1D03G0845800	0.34264	5.61926	Down	Up
4902	TraesCS1D03G0847100	1.32805	1.04732	UP	UP
4903	TraesCS1D03G0848000	0.88883	0.49346	Down	Down
4904	TraesCS1D03G0848100	0.9596	0.46006	Down	Down
4905	TraesCS1D03G0848200	0.63462	1.0204	No	No
4906	TraesCS1D03G0848300	0.69463	1.39697	No	No
4907	TraesCS1D03G0848400	0.93595	0.49256	Down	Down
4908	TraesCS1D03G0848600	0.57537	1.06127	No	No
4909	TraesCS1D03G0849900	1.08998	0.86923	No	No
4910	TraesCS1D03G0850000	0.72815	0.92502	Down	Down
4911	TraesCS1D03G0850200	0.35853	1.41961	Down	Up
4912	TraesCS1D03G0851300	0.71876	3.0102	Down	Up
4913	TraesCS1D03G0851600	0.91685	0.26738	Down	Down
4914	TraesCS1D03G0852000	1.02144	1.19415	UP	UP
4915	TraesCS1D03G0852300	0.95029	1.24051	No	No
4916	TraesCS1D03G0853200	0.72579	0.76481	Down	Down
4917	TraesCS1D03G0853300	1.21984	0.60469	No	No

4919	TraesCS1D03G0853500	0.79722	0.85639	Down	Down
4920	TraesCS1D03G0854800	1.1695	1.3897	UP	UP
4921	TraesCS1D03G0854900	1.26991	1.38146	UP	UP
4922	TraesCS1D03G0855000	1.03275	1.3624	UP	UP
4923	TraesCS1D03G0855100	0.74794	1.84425	No	No
4924	TraesCS1D03G0856900	0.62032	1.46574	No	No
4925	TraesCS1D03G0858000	0.39564	3.54216	Down	Up
4926	TraesCS1D03G0858100	0.79379	0.93447	Down	Down
4927	TraesCS1D03G0858400	1.107	1.02293	UP	UP
4928	TraesCS1D03G0859800	0.95471	0.51385	Down	Down
4929	TraesCS1D03G0860000	0.65627	7.21555	Down	Up
4930	TraesCS1D03G0860800	0.84448	1.2483	No	No
4931	TraesCS1D03G0860900	0.88315	1.22047	No	No
4932	TraesCS1D03G0861000	0.93563	1.10511	No	No
4933	TraesCS1D03G0861200	1.07278	1.97505	UP	UP
4934	TraesCS1D03G0861400	0.69409	1.84127	No	No
4935	TraesCS1D03G0861500	0.90603	1.55267	No	No
4936	TraesCS1D03G0861700	1.19789	1.30193	UP	UP
4937	TraesCS1D03G0861700	0.94633	0.9311	Down	Down
4938	TraesCS1D03G0862700	1.29297	0.33786	Up	Down
4939	TraesCS1D03G0863200	0.98871	0.50795	Down	Down
4940	TraesCS1D03G0863300	1.03529	1.17512	UP	UP
4941	TraesCS1D03G0863400	1.06224	4.18479	Up	Up
4942	TraesCS1D03G0863700	1.66467	4.08856	Up	Up
4943	TraesCS1D03G0864400	0.80393	1.90444	No	No
4944	TraesCS1D03G0865000	1.19341	1.5487	UP	UP
4945	TraesCS1D03G0865100	1.11818	0.97921	No	No
4946	TraesCS1D03G0865200	1.01221	3.96506	Up	Up
4947	TraesCS1D03G0866400	0.72877	1.5169	No	No
4948	TraesCS1D03G0866500	0.60638	1.77455	No	No
4949	TraesCS1D03G0866700	0.7134	1.2143	No	No
4950	TraesCS1D03G0866700	1.14438	1.41668	UP	UP
4951	TraesCS1D03G0866700	0.54882	1.33091	No	No
4954	TraesCS1D03G0868500	0.96452	1.30848	No	No
4955	TraesCS1D03G0870400	1.09485	0.35164	Up	Down
4956	TraesCS1D03G0870600	0.75829	1.30489	No	No
4957	TraesCS1D03G0870700	0.70243	0.93212	Down	Down
4958	TraesCS1D03G0872500	1.04558	0.89996	No	No
4959	TraesCS1D03G0874100	1.07631	1.44937	UP	UP
4960	TraesCS1D03G0874400	1.91631	0.17367	Up	Down
4961	TraesCS1D03G0874500	1.96668	0.23246	Up	Down
4962	TraesCS1D03G0874600	1.22532	0.01778	Up	Down
4963	TraesCS1D03G0874700	0.88131	1.58108	No	No
4964	TraesCS1D03G0874800	1.22719	3.1934	Up	Up
4965	TraesCS1D03G0874900	1.24192	0.39725	Up	Down
4966	TraesCS1D03G0875200	0.89681	0.79689	Down	Down
4967	TraesCS1D03G0875300	0.75157	0.87805	Down	Down
4968	TraesCS1D03G0877800	1.20364	1.41185	UP	UP
4969	TraesCS1D03G0880200	1.1464	0.63759	No	No
4970	TraesCS1D03G0880300	1.1306	1.52474	UP	UP
4971	TraesCS1D03G0880500	1.01651	0.74274	No	No
4972	TraesCS1D03G0881300	0.54328	2.50691	Down	Up

4973	TraesCS1D03G0881400	0.96576	1.95694	No	No
4974	TraesCS1D03G0881500	0.45375	3.09669	Down	Up
4975	TraesCS1D03G0881700	0.74974	4.76808	Down	Up
4976	TraesCS1D03G0882300	0.90994	2.50996	Down	Up
4977	TraesCS1D03G0882300	1.01367	3.53262	Up	Up
4978	TraesCS1D03G0883700	0.87982	1.73047	No	No
4979	TraesCS1D03G0883900	0.56871	1.91768	No	No
4980	TraesCS1D03G0884300	0.86381	1.13646	No	No
4981	TraesCS1D03G0885900	0.91921	1.07374	No	No
4982	TraesCS1D03G0886500	1.75188	1.10353	UP	UP
4983	TraesCS1D03G0886700	1.45793	0.44373	Up	Down
4984	TraesCS1D03G0887700	1.28606	0.79357	No	No
4985	TraesCS1D03G0888100	0.89327	1.86398	No	No
4986	TraesCS1D03G0888300	0.9836	1.18845	No	No
4987	TraesCS1D03G0889300	0.98487	0.85084	Down	Down
4988	TraesCS1D03G0889400	0.60836	0.71493	Down	Down
4989	TraesCS1D03G0889500	1.09149	0.82988	No	No
4990	TraesCS1D03G0889800	1.20518	0.71469	No	No
4991	TraesCS1D03G0889900	0.95873	0.92471	Down	Down
4992	TraesCS1D03G0890100	0.78484	0.57675	Down	Down
4993	TraesCS1D03G0890500	1.23077	1.12773	UP	UP
4995	TraesCS1D03G0890700	0.65315	1.91285	No	No
4996	TraesCS1D03G0891200	0.59038	1.26532	No	No
4998	TraesCS1D03G0892800	0.90706	0.83512	Down	Down
4999	TraesCS1D03G0893500	0.64267	1.35131	No	No
5000	TraesCS1D03G0893700	0.77953	0.92678	Down	Down
5001	TraesCS1D03G0894300	1.10259	0.92674	No	No
5003	TraesCS1D03G0895700	0.77225	1.28883	No	No
5004	TraesCS1D03G0896100	0.73061	1.91939	No	No
5005	TraesCS1D03G0896500	1.24341	2.29614	Up	Up
5006	TraesCS1D03G0896600	0.99981	0.40577	Down	Down
5007	TraesCS1D03G0896900	0.76725	3.0788	Down	Up
5008	TraesCS1D03G0897100	0.91851	1.96053	No	No
5009	TraesCS1D03G0897200	1.37946	1.812	UP	UP
5010	TraesCS1D03G0900200	1.5976	1.18538	UP	UP
5011	TraesCS1D03G0900200	0.45548	3.15244	Down	Up
5013	TraesCS1D03G0903300	0.54189	1.18553	No	No
5014	TraesCS1D03G0903400	0.49463	0.99071	Down	Down
5015	TraesCS1D03G0905000	0.70859	1.75295	No	No
5017	TraesCS1D03G0906200	1.09164	1.04995	UP	UP
5018	TraesCS1D03G0907800	0.69549	0.99061	Down	Down
5019	TraesCS1D03G0908900	0.9237	0.64651	Down	Down
5020	TraesCS1D03G0909300	0.66346	16.6929	Down	Up
5021	TraesCS1D03G0909600	0.64654	3.60069	Down	Up
5023	TraesCS1D03G0910300	0.27915	21.7823	Down	Up
5024	TraesCS1D03G0910800	1.69623	0.90798	No	No
5025	TraesCS1D03G0911000	0.97484	1.08497	No	No
5026	TraesCS1D03G0912500	0.66166	1.51788	No	No
5027	TraesCS1D03G0916400	1.17114	0.8676	No	No
5029	TraesCS1D03G0919600	0.4587	6.10866	Down	Up
5030	TraesCS1D03G0919700	0.74744	1.745	No	No
5031	TraesCS1D03G0920300	0.6726	1.84319	No	No

5032	TraesCS1D03G0920400	1.06928	1.49899	UP	UP
5033	TraesCS1D03G0922100	1.97218	1.00763	UP	UP
5034	TraesCS1D03G0922200	0.57299	1.42798	No	No
5035	TraesCS1D03G0922900	1.09585	0.20198	Up	Down
5036	TraesCS1D03G0923600	0.62463	0.9495	Down	Down
5037	TraesCS1D03G0925000	0.92907	2.62055	Down	Up
5038	TraesCS1D03G0925100	0.7442	1.74236	No	No
5039	TraesCS1D03G0925800	0.95733	2.73391	Down	Up
5040	TraesCS1D03G0926600	0.83642	1.99356	No	No
5041	TraesCS1D03G0926800	1.0715	0.62299	No	No
5042	TraesCS1D03G0927000	0.37073	3.82503	Down	Up
5043	TraesCS1D03G0927900	1.12601	2.51077	Up	Up
5044	TraesCS1D03G0930700	0.97432	1.47464	No	No
5046	TraesCS1D03G0930900	0.56668	1.82591	No	No
5047	TraesCS1D03G0931100	0.40338	2.16088	Down	Up
5048	TraesCS1D03G0931200	0.92941	0.40438	Down	Down
5049	TraesCS1D03G0931700	1.38818	1.79038	UP	UP
5050	TraesCS1D03G0931800	1.08156	1.04615	UP	UP
5051	TraesCS1D03G0934200	1.10792	0.5264	No	No
5052	TraesCS1D03G0934600	1.36019	5.18598	Up	Up
5053	TraesCS1D03G0934900	0.5418	0.46267	Down	Down
5054	TraesCS1D03G0936000	1.90021	0.87966	No	No
5055	TraesCS1D03G0936400	1.05675	0.77565	No	No
5056	TraesCS1D03G0936700	0.68548	1.35398	No	No
5057	TraesCS1D03G0938600	0.93855	1.5078	No	No
5058	TraesCS1D03G0940000	0.87009	1.11591	No	No
5059	TraesCS1D03G0940600	1.34359	1.42953	UP	UP
5061	TraesCS1D03G0941100	0.83352	1.12799	No	No
5062	TraesCS1D03G0941600	0.5832	1.69608	No	No
5063	TraesCS1D03G0941700	1.1286	0.93596	No	No
5064	TraesCS1D03G0941900	0.70461	0.623	Down	Down
5065	TraesCS1D03G0942400	0.80436	1.06906	No	No
5066	TraesCS1D03G0942600	0.67536	1.04275	No	No
5068	TraesCS1D03G0945700	0.66242	1.08627	No	No
5069	TraesCS1D03G0946100	0.71491	1.27525	No	No
5070	TraesCS1D03G0947000	0.88515	1.07138	No	No
5071	TraesCS1D03G0947100	0.75535	2.02715	Down	Up
5072	TraesCS1D03G0947400	1.06389	0.47308	Up	Down
5073	TraesCS1D03G0947500	0.86095	3.39458	Down	Up
5074	TraesCS1D03G0947600	0.51845	2.77546	Down	Up
5076	TraesCS1D03G0950500	0.66243	0.67649	Down	Down
5077	TraesCS1D03G0951000	1.01623	0.46351	Up	Down
5078	TraesCS1D03G0951200	1.06994	1.86535	UP	UP
5079	TraesCS1D03G0951300	1.60014	0.85146	No	No
5080	TraesCS1D03G0951700	0.9691	0.99244	Down	Down
5081	TraesCS1D03G0952900	1.33314	0.49547	Up	Down
5082	TraesCS1D03G0953500	0.56903	0.95408	Down	Down
5083	TraesCS1D03G0953600	0.80116	1.68519	No	No
5084	TraesCS1D03G0953700	0.49354	0.99175	Down	Down
5086	TraesCS1D03G0954200	0.59155	0.05364	Down	Down
5087	TraesCS1D03G0955100	0.43966	0.91279	Down	Down
5088	TraesCS1D03G0955800	0.97172	4.99677	Down	Up

5089	TraesCS1D03G0956000	1.16325	0.33463	Up	Down
5090	TraesCS1D03G0956000	1.20721	0.5495	No	No
5091	TraesCS1D03G0956600	1.04062	0.42396	Up	Down
5092	TraesCS1D03G0956700	0.83995	0.59766	Down	Down
5093	TraesCS1D03G0958100	1.00124	1.37145	UP	UP
5094	TraesCS1D03G0959800	0.84554	3.35766	Down	Up
5095	TraesCS1D03G0960100	2.73982	0.29086	Up	Down
5096	TraesCS1D03G0960400	0.39381	0.52241	Down	Down
5097	TraesCS1D03G0961100	0.97427	1.26566	No	No
5098	TraesCS1D03G0961800	1.77728	2.45955	Up	Up
5099	TraesCS1D03G0961900	0.99038	0.68143	Down	Down
5100	TraesCS1D03G0962100	0.93169	1.19284	No	No
5101	TraesCS1D03G0962300	1.13676	1.89454	UP	UP
5102	TraesCS1D03G0963300	1.06967	1.83077	UP	UP
5103	TraesCS1D03G0963600	0.78622	0.728	Down	Down
5104	TraesCS1D03G0963700	0.73603	0.23507	Down	Down
5105	TraesCS1D03G0965400	0.8928	0.4488	Down	Down
5106	TraesCS1D03G0965700	0.97841	0.44709	Down	Down
5107	TraesCS1D03G0966000	1.42807	2.10048	Up	Up
5108	TraesCS1D03G0966500	0.65863	5.22095	Down	Up
5109	TraesCS1D03G0966700	0.87444	0.73764	Down	Down
5110	TraesCS1D03G0966700	1.15094	0.65241	No	No
5111	TraesCS1D03G0967900	0.62717	2.89488	Down	Up
5112	TraesCS1D03G0968300	1.545	0.59705	No	No
5113	TraesCS1D03G0969000	1.16473	1.52039	UP	UP
5114	TraesCS1D03G0969200	1.00135	1.71065	UP	UP
5115	TraesCS1D03G0969300	1.07817	1.19564	UP	UP
5116	TraesCS1D03G0971000	1.00997	1.03472	UP	UP
5117	TraesCS1D03G0971200	0.7484	0.95725	Down	Down
5118	TraesCS1D03G0971400	1.25632	0.60164	No	No
5119	TraesCS1D03G0971800	0.92489	0.45564	Down	Down
5120	TraesCS1D03G0972000	1.0105	0.48304	Up	Down
5121	TraesCS1D03G0972400	1.11852	0.92671	No	No
5122	TraesCS1D03G0972500	1.74197	2.26944	Up	Up
5124	TraesCS1D03G0975000	1.24519	0.23492	Up	Down
5125	TraesCS1D03G0975600	0.73391	1.7227	No	No
5126	TraesCS1D03G0976100	0.88686	1.18145	No	No
5128	TraesCS1D03G0976600	0.82691	0.97995	Down	Down
5129	TraesCS1D03G0977500	0.75463	1.39346	No	No
5130	TraesCS1D03G0978100	1.08508	1.01762	UP	UP
5131	TraesCS1D03G0979200	0.92059	1.397	No	No
5132	TraesCS1D03G0979300	1.05813	0.84957	No	No
5133	TraesCS1D03G0981000	1.09484	1.5484	UP	UP
5134	TraesCS1D03G0981100	0.90493	1.45996	No	No
5135	TraesCS1D03G0981600	1.06943	0.9008	No	No
5136	TraesCS1D03G0981700	0.35029	0.47419	Down	Down
5137	TraesCS1D03G0982000	0.96617	0.67397	Down	Down
5138	TraesCS1D03G0982800	0.75509	0.52633	Down	Down
5139	TraesCS1D03G0983000	0.76306	1.61846	No	No
5140	TraesCS1D03G0983400	1.27269	2.37913	Up	Up
5141	TraesCS1D03G0983500	1.15821	0.89367	No	No
5142	TraesCS1D03G0984300	1.08128	1.92051	UP	UP

5143	TraesCS1D03G0984600	1.01164	5.97434	Up	Up
5144	TraesCS1D03G0984900	0.69813	0.9692	Down	Down
5145	TraesCS1D03G0984900	1.12003	1.40983	UP	UP
5146	TraesCS1D03G0985100	0.63402	0.09251	Down	Down
5147	TraesCS1D03G0985600	0.8149	0.85877	Down	Down
5148	TraesCS1D03G0986000	0.62146	1.77204	No	No
5149	TraesCS1D03G0986400	1.17077	0.33851	Up	Down
5150	TraesCS1D03G0986600	1.27934	0.49192	Up	Down
5151	TraesCS1D03G0988800	0.9591	1.58941	No	No
5152	TraesCS1D03G0989200	1.11816	0.8919	No	No
5154	TraesCS1D03G0989900	1.01912	8.00911	Up	Up
5155	TraesCS1D03G0990200	1.24477	4.28118	Up	Up
5156	TraesCS1D03G0990700	1.03104	3.54141	Up	Up
5158	TraesCS1D03G0993500	0.85202	0.32507	Down	Down
5159	TraesCS1D03G0993600	0.61466	0.86627	Down	Down
5160	TraesCS1D03G0995500	0.59903	3.66556	Down	Up
5162	TraesCS1D03G0997300	1.24233	0.5657	No	No
5163	TraesCS1D03G0998000	0.58455	0.93913	Down	Down
5164	TraesCS1D03G0998500	0.72868	1.42985	No	No
5167	TraesCS1D03G0999400	1.023	1.62009	UP	UP
5168	TraesCS1D03G0999800	2.02781	0.81775	Up	Down
5171	TraesCS1D03G1000100	1.44713	0.27683	Up	Down
5172	TraesCS1D03G1000500	0.19096	0.48887	Down	Down
5174	TraesCS1D03G1001800	0.8988	0.29742	Down	Down
5175	TraesCS1D03G1002000	0.80907	2.03583	Down	Up
5176	TraesCS1D03G1002900	0.97288	0.06806	Down	Down
5177	TraesCS1D03G1003200	1.35753	1.14006	UP	UP
5178	TraesCS1D03G1005300	0.94847	2.67711	Down	Up
5179	TraesCS1D03G1005800	0.96411	1.00928	No	No
5180	TraesCS1D03G1007700	0.66068	1.41768	No	No
5181	TraesCS1D03G1008700	1.09853	1.63807	UP	UP
5183	TraesCS1D03G1012400	13.4037	1.2048	Up	Up
5184	TraesCS1D03G1013100	1.44961	0.2463	Up	Down
5185	TraesCS1D03G1016800	1.26498	0.60205	No	No
5186	TraesCS1D03G1018100	0.85145	0.41232	Down	Down
5187	TraesCS1D03G1018200	1.80913	1.19369	UP	UP
5188	TraesCS1D03G1022200	1.19315	0.83027	No	No
5189	TraesCS1D03G1022300	1.01166	0.58686	No	No
5190	TraesCS1D03G1026100	1.10896	1.10701	UP	UP
5191	TraesCS1D03G1031900	1.11955	1.52794	UP	UP
5193	TraesCS1D03G1033500	1.09815	0.62933	No	No
5194	TraesCS1D03G1034800	0.71972	2.18516	Down	Up
5195	TraesCS1D03G1036200	0.73338	2.05784	Down	Up
5196	TraesCS1D03G1039100	1.04549	0.61322	No	No
5197	TraesCS1D03G1039300	0.96164	1.16803	No	No
5198	TraesCS1D03G1041000	0.85606	0.95926	Down	Down
5199	TraesCS1D03G1041100	1.10585	0.39564	Up	Down
5200	TraesCS1D03G1041200	0.95326	0.48678	Down	Down
5201	TraesCS1D03G1042500	0.95102	0.4639	Down	Down
5202	TraesCS1D03G1043200	0.78838	1.16129	No	No
5203	TraesCS1D03G1043500	0.93698	1.00935	No	No
5204	TraesCS2A03G0001200	0.69384	1.63484	No	No

5205	TraesCS2A03G0001900	0.79609	1.15627	No	No
5206	TraesCS2A03G0002000	0.75857	1.019	No	No
5207	TraesCS2A03G0009400	1.08885	1.55209	UP	UP
5208	TraesCS2A03G0010000	0.92924	1.42841	No	No
5209	TraesCS2A03G0010100	0.71422	0.51344	Down	Down
5210	TraesCS2A03G0013800	0.95681	1.5563	No	No
5211	TraesCS2A03G0013900	0.78667	1.42559	No	No
5212	TraesCS2A03G0017700	0.97154	0.69588	Down	Down
5213	TraesCS2A03G0017800	0.91014	1.18246	No	No
5214	TraesCS2A03G0020400	0.87249	1.19002	No	No
5215	TraesCS2A03G0021300	0.93302	0.32394	Down	Down
5216	TraesCS2A03G0021400	1.19431	1.16325	UP	UP
5217	TraesCS2A03G0021500	1.41351	0.38291	Up	Down
5218	TraesCS2A03G0023600	0.99896	1.65165	No	No
5219	TraesCS2A03G0024000	1.08579	1.26723	UP	UP
5220	TraesCS2A03G0029500	0.8468	0.55899	Down	Down
5221	TraesCS2A03G0030500	0.78234	0.50641	Down	Down
5222	TraesCS2A03G0034800	1.70735	2.67312	Up	Up
5223	TraesCS2A03G0046100	0.94687	0.61572	Down	Down
5224	TraesCS2A03G0047100	1.4944	0.4515	Up	Down
5225	TraesCS2A03G0048000	0.98206	0.86284	Down	Down
5226	TraesCS2A03G0054400	0.67288	2.66485	Down	Up
5227	TraesCS2A03G0054500	1.74692	1.05265	UP	UP
5228	TraesCS2A03G0056900	1.41979	13.6437	Up	Up
5229	TraesCS2A03G0058100	0.5021	6.28254	Down	Up
5230	TraesCS2A03G0058600	0.96958	1.21465	No	No
5231	TraesCS2A03G0058700	0.57195	4.01176	Down	Up
5232	TraesCS2A03G0059600	1.2893	1.61094	UP	UP
5235	TraesCS2A03G0059900	1.04821	1.2142	UP	UP
5236	TraesCS2A03G0061300	0.86928	0.86152	Down	Down
5238	TraesCS2A03G0064300	0.80026	0.74287	Down	Down
5239	TraesCS2A03G0064400	1.0848	1.52247	UP	UP
5240	TraesCS2A03G0064600	1.42344	1.14033	UP	UP
5241	TraesCS2A03G0064800	0.80442	2.20873	Down	Up
5243	TraesCS2A03G0065800	0.74232	1.1026	No	No
5244	TraesCS2A03G0066300	0.8534	1.26136	No	No
5245	TraesCS2A03G0066500	0.92076	3.94744	Down	Up
5246	TraesCS2A03G0066700	1.0256	1.69055	UP	UP
5247	TraesCS2A03G0067800	0.82704	1.15447	No	No
5248	TraesCS2A03G0068300	1.90601	0.32017	Up	Down
5249	TraesCS2A03G0069200	1.45501	1.27669	UP	UP
5250	TraesCS2A03G0070400	1.16559	1.18559	UP	UP
5251	TraesCS2A03G0071800	1.31756	0.44032	Up	Down
5252	TraesCS2A03G0072700	0.83061	1.20351	No	No
5253	TraesCS2A03G0074300	1.05632	1.25726	UP	UP
5254	TraesCS2A03G0076800	0.91916	2.53106	Down	Up
5255	TraesCS2A03G0076900	0.8454	1.05379	No	No
5256	TraesCS2A03G0077000	0.78586	2.7438	Down	Up
5257	TraesCS2A03G0078500	1.92901	2.81943	Up	Up
5258	TraesCS2A03G0078600	0.72217	1.8772	No	No
5259	TraesCS2A03G0078900	1.85568	1.73384	UP	UP
5260	TraesCS2A03G0079500	0.72157	1.35583	No	No

5261	TraesCS2A03G0079700	1.73317	0.90336	No	No
5262	TraesCS2A03G0079900	1.34295	0.76264	No	No
5263	TraesCS2A03G0080500	0.89069	1.0172	No	No
5264	TraesCS2A03G0086600	1.07352	0.45385	Up	Down
5265	TraesCS2A03G0086800	1.48714	0.75958	No	No
5266	TraesCS2A03G0087400	1.33747	1.63117	UP	UP
5267	TraesCS2A03G0088400	0.97852	2.1005	Down	Up
5268	TraesCS2A03G0088500	0.99876	2.89716	Down	Up
5269	TraesCS2A03G0101700	0.75441	0.7367	Down	Down
5270	TraesCS2A03G0110600	0.83086	0.59798	Down	Down
5271	TraesCS2A03G0112100	0.55997	1.07171	No	No
5272	TraesCS2A03G0112200	0.89686	1.9626	No	No
5274	TraesCS2A03G0119500	1.19375	1.48242	UP	UP
5275	TraesCS2A03G0121000	0.77774	1.41402	No	No
5277	TraesCS2A03G0125500	1.1466	1.41679	UP	UP
5278	TraesCS2A03G0127600	0.96432	0.64995	Down	Down
5279	TraesCS2A03G0127800	1.07546	0.97758	No	No
5280	TraesCS2A03G0128100	1.09536	1.38682	UP	UP
5281	TraesCS2A03G0128600	0.77119	0.46192	Down	Down
5282	TraesCS2A03G0129000	0.6699	1.30489	No	No
5283	TraesCS2A03G0130900	0.76261	1.15949	No	No
5284	TraesCS2A03G0131000	0.66903	1.21951	No	No
5285	TraesCS2A03G0131600	1.20007	0.20494	Up	Down
5286	TraesCS2A03G0131700	1.14179	0.32091	Up	Down
5287	TraesCS2A03G0131800	1.33695	0.23473	Up	Down
5288	TraesCS2A03G0131900	1.02695	0.13326	Up	Down
5289	TraesCS2A03G0132000	1.23666	0.13611	Up	Down
5290	TraesCS2A03G0132100	1.24584	0.11388	Up	Down
5291	TraesCS2A03G0132200	0.68508	0.13267	Down	Down
5292	TraesCS2A03G0132500	1.09752	0.89428	No	No
5293	TraesCS2A03G0132700	0.4836	2.50584	Down	Up
5294	TraesCS2A03G0132800	0.85398	1.61434	No	No
5295	TraesCS2A03G0134500	0.83097	1.28866	No	No
5296	TraesCS2A03G0134700	0.92681	1.03351	No	No
5297	TraesCS2A03G0134800	0.91078	1.08732	No	No
5298	TraesCS2A03G0134900	1.06002	0.84155	No	No
5299	TraesCS2A03G0135100	1.00207	1.45422	UP	UP
5300	TraesCS2A03G0136400	0.99204	0.43125	Down	Down
5301	TraesCS2A03G0136900	0.61474	1.17702	No	No
5302	TraesCS2A03G0137000	0.98396	1.33611	No	No
5303	TraesCS2A03G0137100	1.3108	1.31036	UP	UP
5304	TraesCS2A03G0137400	0.74884	1.2693	No	No
5305	TraesCS2A03G0138100	1.1273	1.12871	UP	UP
5306	TraesCS2A03G0140600	1.07334	0.8854	No	No
5307	TraesCS2A03G0140700	0.65658	1.43814	No	No
5308	TraesCS2A03G0141400	1.02072	1.02915	UP	UP
5309	TraesCS2A03G0145500	1.78847	0.43281	Up	Down
5310	TraesCS2A03G0148100	1.04946	0.44976	Up	Down
5311	TraesCS2A03G0148700	1.65556	0.7278	No	No
5312	TraesCS2A03G0149300	0.77149	1.18803	No	No
5313	TraesCS2A03G0149700	0.77268	1.08167	No	No
5315	TraesCS2A03G0152100	0.85596	1.27878	No	No

5316	TraesCS2A03G0155500	0.83786	0.87433	Down	Down
5317	TraesCS2A03G0156100	0.92854	0.85641	Down	Down
5320	TraesCS2A03G0157100	0.6197	4.08393	Down	Up
5321	TraesCS2A03G0158100	0.899	0.84882	Down	Down
5322	TraesCS2A03G0159000	0.90794	1.61336	No	No
5323	TraesCS2A03G0160100	1.02885	0.8708	No	No
5324	TraesCS2A03G0160200	1.22084	1.35369	UP	UP
5326	TraesCS2A03G0162100	0.71546	1.30649	No	No
5327	TraesCS2A03G0162400	0.86572	1.20956	No	No
5328	TraesCS2A03G0163000	0.66065	11.4062	Down	Up
5329	TraesCS2A03G0163800	1.05386	0.90462	No	No
5330	TraesCS2A03G0163800	0.92107	0.58412	Down	Down
5331	TraesCS2A03G0164400	1.06982	0.95366	No	No
5332	TraesCS2A03G0165000	1.7404	1.18363	UP	UP
5333	TraesCS2A03G0165100	1.23061	0.208	Up	Down
5334	TraesCS2A03G0165400	1.00249	0.42775	Up	Down
5335	TraesCS2A03G0168900	0.72007	0.92142	Down	Down
5336	TraesCS2A03G0170200	0.97189	2.02654	Down	Up
5337	TraesCS2A03G0170900	1.2657	1.89981	UP	UP
5338	TraesCS2A03G0171100	1.14084	0.9146	No	No
5339	TraesCS2A03G0171400	0.79309	0.72045	Down	Down
5340	TraesCS2A03G0174300	0.97962	1.34014	No	No
5341	TraesCS2A03G0175700	0.90309	1.6605	No	No
5343	TraesCS2A03G0176700	0.53322	1.24457	No	No
5344	TraesCS2A03G0177100	0.74725	0.86818	Down	Down
5345	TraesCS2A03G0177900	0.84288	1.19259	No	No
5346	TraesCS2A03G0179300	0.85201	1.59157	No	No
5348	TraesCS2A03G0179800	1.20326	0.54226	No	No
5349	TraesCS2A03G0180200	0.75809	1.96662	No	No
5350	TraesCS2A03G0181000	0.81113	0.90392	Down	Down
5353	TraesCS2A03G0185600	0.81331	1.03784	No	No
5354	TraesCS2A03G0186800	0.86839	1.38425	No	No
5355	TraesCS2A03G0187200	0.93565	2.73404	Down	Up
5357	TraesCS2A03G0191700	1.13983	0.92161	No	No
5358	TraesCS2A03G0192300	1.1411	1.23127	UP	UP
5359	TraesCS2A03G0192600	0.70828	1.26232	No	No
5361	TraesCS2A03G0195800	0.74184	1.23695	No	No
5364	TraesCS2A03G0197400	1.14396	0.76215	No	No
5365	TraesCS2A03G0198000	0.89576	1.15151	No	No
5366	TraesCS2A03G0198200	0.88456	1.27975	No	No
5367	TraesCS2A03G0198600	1.00968	1.43272	UP	UP
5368	TraesCS2A03G0199000	0.93183	0.82468	Down	Down
5369	TraesCS2A03G0199600	0.58101	0.38242	Down	Down
5370	TraesCS2A03G0199800	0.86309	1.46735	No	No
5371	TraesCS2A03G0200000	0.93238	0.86055	Down	Down
5372	TraesCS2A03G0200300	0.56209	0.62732	Down	Down
5373	TraesCS2A03G0200400	1.46175	1.6872	UP	UP
5374	TraesCS2A03G0200600	0.60638	1.95747	No	No
5375	TraesCS2A03G0200700	0.76336	5.03702	Down	Up
5376	TraesCS2A03G0201500	0.61393	3.05409	Down	Up
5377	TraesCS2A03G0201700	0.35591	1.50525	Down	Up
5378	TraesCS2A03G0204200	0.91528	1.27941	No	No

5379	TraesCS2A03G0205300	0.81115	2.19725	Down	Up
5381	TraesCS2A03G0206100	1.95948	2.17217	UP	UP
5382	TraesCS2A03G0206200	1.61881	2.11223	UP	UP
5383	TraesCS2A03G0206700	1.08387	0.9659	No	No
5384	TraesCS2A03G0207500	0.98545	0.59769	Down	Down
5385	TraesCS2A03G0209100	2.04067	1.34062	Up	Up
5386	TraesCS2A03G0209700	0.45412	0.3377	Down	Down
5387	TraesCS2A03G0209800	0.53372	0.42648	Down	Down
5388	TraesCS2A03G0210200	0.17635	1.73232	Down	Up
5389	TraesCS2A03G0210300	0.24734	2.09998	Down	Up
5390	TraesCS2A03G0210700	0.932	8.18222	Down	Up
5391	TraesCS2A03G0211200	1.22498	0.79839	No	No
5392	TraesCS2A03G0211600	0.72383	0.83113	Down	Down
5393	TraesCS2A03G0211700	0.61547	1.17429	No	No
5395	TraesCS2A03G0213600	0.65842	1.35854	No	No
5396	TraesCS2A03G0215100	0.69835	0.63691	Down	Down
5397	TraesCS2A03G0215300	0.84213	0.77049	Down	Down
5398	TraesCS2A03G0215400	0.79632	2.28431	Down	Up
5399	TraesCS2A03G0215600	1.1142	0.8062	No	No
5402	TraesCS2A03G0217100	0.82007	1.81642	No	No
5403	TraesCS2A03G0217300	0.84856	0.55796	Down	Down
5404	TraesCS2A03G0217400	1.4338	2.82582	Up	Up
5405	TraesCS2A03G0218000	0.98609	1.30964	No	No
5406	TraesCS2A03G0220000	0.74784	2.06171	Down	Up
5407	TraesCS2A03G0220200	0.85723	1.68717	No	No
5408	TraesCS2A03G0220500	1.2134	0.54451	No	No
5409	TraesCS2A03G0224200	0.71968	1.38708	No	No
5410	TraesCS2A03G0225000	0.88604	0.48853	Down	Down
5411	TraesCS2A03G0225500	0.87963	1.79943	No	No
5412	TraesCS2A03G0225700	0.58043	1.28909	No	No
5413	TraesCS2A03G0228500	0.7245	1.43402	No	No
5414	TraesCS2A03G0228700	0.70216	0.87608	Down	Down
5415	TraesCS2A03G0228800	1.91057	0.73634	No	No
5416	TraesCS2A03G0229400	0.97911	0.89835	Down	Down
5417	TraesCS2A03G0229600	1.01133	1.22598	UP	UP
5418	TraesCS2A03G0229800	0.91344	0.35738	Down	Down
5419	TraesCS2A03G0230400	1.04218	1.04401	UP	UP
5420	TraesCS2A03G0230600	0.95294	0.45497	Down	Down
5423	TraesCS2A03G0231100	0.74145	0.70955	Down	Down
5424	TraesCS2A03G0231100	1.02129	1.23851	UP	UP
5425	TraesCS2A03G0231400	0.782	1.21434	No	No
5426	TraesCS2A03G0232100	1.09124	1.08451	UP	UP
5427	TraesCS2A03G0232200	1.17845	2.67764	Up	Up
5428	TraesCS2A03G0232500	0.90761	0.46416	Down	Down
5429	TraesCS2A03G0232600	0.95505	0.98647	Down	Down
5430	TraesCS2A03G0233100	1.14703	0.46099	Up	Down
5431	TraesCS2A03G0233200	0.72279	1.07198	No	No
5432	TraesCS2A03G0233300	1.05626	1.43081	UP	UP
5433	TraesCS2A03G0234400	1.46775	0.87553	No	No
5434	TraesCS2A03G0234900	0.40573	1.35068	Down	Up
5435	TraesCS2A03G0235600	0.59429	0.7687	Down	Down
5436	TraesCS2A03G0235700	0.83793	0.19309	Down	Down

5437	TraesCS2A03G0235900	0.7216	0.77797	Down	Down
5438	TraesCS2A03G0236000	0.70014	0.8447	Down	Down
5439	TraesCS2A03G0236400	0.90996	1.13407	No	No
5440	TraesCS2A03G0237100	0.28677	1.67205	Down	Up
5441	TraesCS2A03G0238300	3.60609	0.41573	Up	Down
5442	TraesCS2A03G0238900	1.17702	0.63455	No	No
5443	TraesCS2A03G0239200	0.94666	1.02822	No	No
5444	TraesCS2A03G0239300	0.91975	1.12165	No	No
5445	TraesCS2A03G0239500	1.04367	0.36605	Up	Down
5446	TraesCS2A03G0240400	1.07271	0.92964	No	No
5447	TraesCS2A03G0240900	0.83328	3.22348	Down	Up
5448	TraesCS2A03G0241700	0.86593	1.27383	No	No
5449	TraesCS2A03G0241800	1.40938	0.55606	No	No
5450	TraesCS2A03G0242300	1.54779	0.21582	Up	Down
5453	TraesCS2A03G0244700	0.82345	1.33142	No	No
5455	TraesCS2A03G0246000	0.95222	2.3826	Down	Up
5456	TraesCS2A03G0246300	0.78774	1.57547	No	No
5457	TraesCS2A03G0247600	0.61165	0.72956	Down	Down
5458	TraesCS2A03G0249200	1.42968	0.65985	No	No
5459	TraesCS2A03G0249300	1.58324	0.36307	Up	Down
5460	TraesCS2A03G0249400	0.90475	0.85325	Down	Down
5461	TraesCS2A03G0249400	1.35448	2.257	Up	Up
5462	TraesCS2A03G0251800	0.76237	0.49383	Down	Down
5463	TraesCS2A03G0252000	0.83395	1.38847	No	No
5464	TraesCS2A03G0256000	1.23061	0.43302	Up	Down
5465	TraesCS2A03G0256100	1.36663	0.32747	Up	Down
5466	TraesCS2A03G0256600	0.65254	1.10371	No	No
5467	TraesCS2A03G0256700	1.07547	0.30071	Up	Down
5468	TraesCS2A03G0257200	1.203	1.1285	UP	UP
5470	TraesCS2A03G0257500	0.93054	1.17666	No	No
5471	TraesCS2A03G0257800	1.29589	0.4045	Up	Down
5472	TraesCS2A03G0257800	1.79378	0.68012	No	No
5473	TraesCS2A03G0258000	0.84709	1.18099	No	No
5474	TraesCS2A03G0258100	1.22248	0.72867	No	No
5475	TraesCS2A03G0258400	0.64532	1.25566	No	No
5476	TraesCS2A03G0258500	1.76091	0.77027	No	No
5477	TraesCS2A03G0258600	1.02126	1.34832	UP	UP
5478	TraesCS2A03G0259200	0.67556	4.5578	Down	Up
5479	TraesCS2A03G0260100	1.41839	1.16721	UP	UP
5480	TraesCS2A03G0260600	0.82513	1.08079	No	No
5481	TraesCS2A03G0260700	0.92084	0.83917	Down	Down
5483	TraesCS2A03G0260900	1.05984	1.82119	UP	UP
5484	TraesCS2A03G0261000	0.70769	0.98325	Down	Down
5485	TraesCS2A03G0261100	0.86381	1.21121	No	No
5486	TraesCS2A03G0261200	0.97658	6.22592	Down	Up
5487	TraesCS2A03G0261600	1.43327	1.90015	UP	UP
5488	TraesCS2A03G0262400	0.91001	0.53868	Down	Down
5489	TraesCS2A03G0262500	1.32128	2.35047	Up	Up
5490	TraesCS2A03G0262700	0.92755	1.74191	No	No
5492	TraesCS2A03G0263700	1.17608	0.71721	No	No
5493	TraesCS2A03G0263800	1.11085	1.09346	UP	UP
5494	TraesCS2A03G0264300	0.54461	1.99307	No	No

5495	TraesCS2A03G0264400	1.18165	1.33245	UP	UP
5496	TraesCS2A03G0265200	1.07339	0.59938	No	No
5497	TraesCS2A03G0265600	1.01282	0.49275	Up	Down
5498	TraesCS2A03G0266500	0.9734	0.20108	Down	Down
5499	TraesCS2A03G0267400	1.49337	0.40147	Up	Down
5500	TraesCS2A03G0267500	0.9043	1.88748	No	No
5501	TraesCS2A03G0268800	1.07796	1.21631	UP	UP
5502	TraesCS2A03G0269200	1.22469	1.20972	UP	UP
5503	TraesCS2A03G0269200	0.86472	0.69206	Down	Down
5504	TraesCS2A03G0269600	0.64906	1.4685	No	No
5505	TraesCS2A03G0269700	1.11214	1.53	UP	UP
5506	TraesCS2A03G0270300	1.4481	1.38795	UP	UP
5508	TraesCS2A03G0271100	0.8233	1.93678	No	No
5509	TraesCS2A03G0271200	0.48787	3.8323	Down	Up
5510	TraesCS2A03G0272200	1.88752	0.71518	No	No
5511	TraesCS2A03G0272200	0.57297	3.66603	Down	Up
5512	TraesCS2A03G0273000	1.22754	0.85215	No	No
5513	TraesCS2A03G0273300	1.01387	0.53007	No	No
5514	TraesCS2A03G0273500	1.83689	0.80949	No	No
5515	TraesCS2A03G0273800	1.60949	0.47221	Up	Down
5518	TraesCS2A03G0274100	0.75354	0.05634	Down	Down
5519	TraesCS2A03G0274300	1.34402	1.216	UP	UP
5520	TraesCS2A03G0274600	1.0065	0.81879	No	No
5521	TraesCS2A03G0275700	1.17268	1.31806	UP	UP
5522	TraesCS2A03G0277500	0.88566	0.65621	Down	Down
5523	TraesCS2A03G0277600	1.03788	1.75106	UP	UP
5524	TraesCS2A03G0277700	0.91522	1.8986	No	No
5525	TraesCS2A03G0278500	1.02823	2.04324	Up	Up
5526	TraesCS2A03G0279100	0.93764	4.73025	Down	Up
5527	TraesCS2A03G0279200	0.76016	2.95382	Down	Up
5529	TraesCS2A03G0281800	0.4263	1.95526	Down	Up
5530	TraesCS2A03G0282700	0.67929	1.13787	No	No
5531	TraesCS2A03G0282900	0.7979	1.94263	No	No
5532	TraesCS2A03G0283700	1.18008	0.8046	No	No
5533	TraesCS2A03G0285000	2.0007	0.30825	Up	Down
5534	TraesCS2A03G0286200	0.92807	1.47816	No	No
5536	TraesCS2A03G0286700	0.99249	1.19197	No	No
5537	TraesCS2A03G0286800	0.9216	1.24612	No	No
5538	TraesCS2A03G0287500	1.21425	0.78239	No	No
5539	TraesCS2A03G0288100	1.36556	1.39027	UP	UP
5540	TraesCS2A03G0289400	0.9349	1.34125	No	No
5541	TraesCS2A03G0289800	1.03859	1.62863	UP	UP
5542	TraesCS2A03G0290200	0.986	1.03155	No	No
5543	TraesCS2A03G0290700	1.32562	0.66562	No	No
5544	TraesCS2A03G0290800	1.956	0.50974	No	No
5545	TraesCS2A03G0290900	0.85531	0.92589	Down	Down
5546	TraesCS2A03G0291200	1.25958	0.92632	No	No
5547	TraesCS2A03G0291300	0.67104	1.88731	No	No
5548	TraesCS2A03G0291500	0.85289	1.84242	No	No
5549	TraesCS2A03G0291600	0.61429	0.33666	Down	Down
5550	TraesCS2A03G0292000	1.02865	0.26933	Up	Down
5551	TraesCS2A03G0292100	0.89869	0.30596	Down	Down

5552	TraesCS2A03G0292200	1.97253	6.02188	Up	Up
5553	TraesCS2A03G0292300	1.17796	0.98845	No	No
5554	TraesCS2A03G0292900	1.12164	0.95813	No	No
5556	TraesCS2A03G0294200	0.75804	1.77247	No	No
5557	TraesCS2A03G0294400	0.8815	2.06337	Down	Up
5558	TraesCS2A03G0295400	0.94888	1.00317	No	No
5559	TraesCS2A03G0297800	0.9967	1.64633	No	No
5560	TraesCS2A03G0297900	0.76272	1.49679	No	No
5561	TraesCS2A03G0298200	1.57789	1.52705	UP	UP
5563	TraesCS2A03G0298800	0.89223	0.74306	Down	Down
5564	TraesCS2A03G0298900	0.80239	3.33878	Down	Up
5565	TraesCS2A03G0299000	0.92017	1.55277	No	No
5566	TraesCS2A03G0299300	1.11177	0.69871	No	No
5567	TraesCS2A03G0299900	1.21368	0.86065	No	No
5568	TraesCS2A03G0300300	1.20671	0.58631	No	No
5569	TraesCS2A03G0300400	0.88267	0.98425	Down	Down
5571	TraesCS2A03G0300800	0.82518	0.94965	Down	Down
5579	TraesCS2A03G0302200	0.82908	1.27666	No	No
5580	TraesCS2A03G0302300	0.75574	5.37508	Down	Up
5581	TraesCS2A03G0302500	0.74575	0.82593	Down	Down
5582	TraesCS2A03G0302700	1.06474	1.1335	UP	UP
5583	TraesCS2A03G0307400	1.1104	0.93389	No	No
5584	TraesCS2A03G0307500	1.20175	1.03504	UP	UP
5585	TraesCS2A03G0308300	1.17982	1.40581	UP	UP
5586	TraesCS2A03G0309300	0.99823	0.58026	Down	Down
5587	TraesCS2A03G0309800	1.0068	0.41267	Up	Down
5588	TraesCS2A03G0310500	1.05044	2.72922	Up	Up
5589	TraesCS2A03G0312300	1.26683	1.00544	UP	UP
5590	TraesCS2A03G0312500	0.69232	1.5696	No	No
5591	TraesCS2A03G0312600	0.70036	1.65382	No	No
5592	TraesCS2A03G0312800	1.40195	1.7915	UP	UP
5593	TraesCS2A03G0314100	2.92702	0.65471	Up	Down
5594	TraesCS2A03G0316300	0.89846	0.96453	Down	Down
5595	TraesCS2A03G0316400	0.97681	2.03703	Down	Up
5596	TraesCS2A03G0316500	1.2185	0.82359	No	No
5597	TraesCS2A03G0316700	1.14892	0.54484	No	No
5598	TraesCS2A03G0317500	0.80288	1.09329	No	No
5600	TraesCS2A03G0318300	0.65621	3.20251	Down	Up
5601	TraesCS2A03G0318300	1.30353	1.17837	UP	UP
5602	TraesCS2A03G0318400	1.13966	1.44971	UP	UP
5603	TraesCS2A03G0318800	1.11021	0.87489	No	No
5604	TraesCS2A03G0319300	0.97188	2.37261	Down	Up
5605	TraesCS2A03G0319400	1.16653	1.26719	UP	UP
5606	TraesCS2A03G0319500	1.03521	0.82158	No	No
5607	TraesCS2A03G0319900	0.94759	3.72528	Down	Up
5608	TraesCS2A03G0320000	0.75868	2.24346	Down	Up
5609	TraesCS2A03G0320100	0.97355	1.27148	No	No
5610	TraesCS2A03G0320300	0.87713	0.95172	Down	Down
5611	TraesCS2A03G0320500	0.78641	0.31722	Down	Down
5612	TraesCS2A03G0320600	0.92478	1.09484	No	No
5613	TraesCS2A03G0320900	0.7518	4.23865	Down	Up
5614	TraesCS2A03G0321400	0.67621	2.24289	Down	Up

5615	TraesCS2A03G0322500	0.75996	1.18649	No	No
5616	TraesCS2A03G0323300	1.68383	0.80709	No	No
5617	TraesCS2A03G0323800	0.59634	0.42776	Down	Down
5618	TraesCS2A03G0324000	0.76853	1.08993	No	No
5620	TraesCS2A03G0324600	1.54392	1.11426	UP	UP
5621	TraesCS2A03G0324900	0.97189	0.93295	Down	Down
5622	TraesCS2A03G0325600	1.01701	1.18822	UP	UP
5623	TraesCS2A03G0327500	0.95749	0.15612	Down	Down
5624	TraesCS2A03G0327700	0.78863	1.17439	No	No
5626	TraesCS2A03G0330800	0.82559	0.51137	Down	Down
5627	TraesCS2A03G0330900	1.02313	0.88916	No	No
5628	TraesCS2A03G0331100	0.68914	1.74994	No	No
5629	TraesCS2A03G0331200	0.90334	1.31229	No	No
5632	TraesCS2A03G0334100	0.73766	5.07301	Down	Up
5633	TraesCS2A03G0334300	2.33353	2.8414	Up	Up
5634	TraesCS2A03G0334300	1.05308	1.82376	UP	UP
5635	TraesCS2A03G0334300	1.8222	0.59103	No	No
5636	TraesCS2A03G0334500	1.21754	3.91144	Up	Up
5637	TraesCS2A03G0335700	1.73873	15.3312	Up	Up
5638	TraesCS2A03G0335800	0.99413	0.89211	Down	Down
5639	TraesCS2A03G0335900	1.95281	1.1808	UP	UP
5640	TraesCS2A03G0337300	1.11073	1.25398	UP	UP
5641	TraesCS2A03G0338200	1.03507	1.00809	UP	UP
5643	TraesCS2A03G0338500	0.87806	0.9083	Down	Down
5644	TraesCS2A03G0338800	1.11493	2.21164	Up	Up
5645	TraesCS2A03G0338900	1.19584	1.65415	UP	UP
5647	TraesCS2A03G0339300	0.83841	0.78266	Down	Down
5648	TraesCS2A03G0339500	0.91466	1.26933	No	No
5649	TraesCS2A03G0340100	1.0547	0.85762	No	No
5650	TraesCS2A03G0340500	0.72679	1.95967	No	No
5651	TraesCS2A03G0340600	0.8284	6.80845	Down	Up
5652	TraesCS2A03G0340800	0.64103	1.93084	No	No
5653	TraesCS2A03G0341400	0.80869	2.6933	Down	Up
5654	TraesCS2A03G0342400	0.76146	3.99522	Down	Up
5655	TraesCS2A03G0342800	0.65973	0.80068	Down	Down
5656	TraesCS2A03G0343000	0.77576	2.20993	Down	Up
5658	TraesCS2A03G0343200	0.77892	1.12125	No	No
5659	TraesCS2A03G0344600	1.32807	0.98693	No	No
5661	TraesCS2A03G0344800	1.33044	1.52672	UP	UP
5662	TraesCS2A03G0345300	0.6788	0.2696	Down	Down
5663	TraesCS2A03G0345600	0.52175	1.03543	No	No
5664	TraesCS2A03G0345700	0.96978	0.61916	Down	Down
5665	TraesCS2A03G0345900	0.98667	1.14469	No	No
5666	TraesCS2A03G0346000	2.72646	0.43455	Up	Down
5667	TraesCS2A03G0346000	1.7583	0.52424	No	No
5668	TraesCS2A03G0346100	1.04291	1.57788	UP	UP
5669	TraesCS2A03G0346500	0.97932	1.35085	No	No
5671	TraesCS2A03G0347500	1.13649	0.22697	Up	Down
5672	TraesCS2A03G0347900	0.92335	1.20463	No	No
5673	TraesCS2A03G0349100	0.89	0.91018	Down	Down
5674	TraesCS2A03G0349300	0.81145	1.2595	No	No
5676	TraesCS2A03G0349500	1.12136	0.79703	No	No

5677	TraesCS2A03G0349600	0.93463	0.20507	Down	Down
5679	TraesCS2A03G0350000	1.68339	1.67564	UP	UP
5680	TraesCS2A03G0350500	1.03962	0.89483	No	No
5681	TraesCS2A03G0352100	1.02994	0.79149	No	No
5682	TraesCS2A03G0352500	0.89788	1.26201	No	No
5683	TraesCS2A03G0353000	0.84433	3.70081	Down	Up
5684	TraesCS2A03G0353400	1.05558	0.98305	No	No
5685	TraesCS2A03G0353700	4.34369	0.09523	Up	Down
5686	TraesCS2A03G0354100	0.79535	1.08591	No	No
5687	TraesCS2A03G0354300	1.26281	2.80009	Up	Up
5688	TraesCS2A03G0354500	0.88613	2.63301	Down	Up
5689	TraesCS2A03G0354500	1.30672	2.30459	Up	Up
5690	TraesCS2A03G0355400	0.64147	1.57395	No	No
5691	TraesCS2A03G0355500	0.85715	1.72196	No	No
5692	TraesCS2A03G0355700	0.67869	1.52099	No	No
5693	TraesCS2A03G0355800	0.95881	0.93998	Down	Down
5694	TraesCS2A03G0356200	0.67473	0.85386	Down	Down
5695	TraesCS2A03G0356700	0.90542	1.11617	No	No
5696	TraesCS2A03G0357100	0.76115	1.29492	No	No
5697	TraesCS2A03G0357200	1.14962	1.31855	UP	UP
5698	TraesCS2A03G0357400	1.18666	1.04071	UP	UP
5699	TraesCS2A03G0357500	1.38119	0.72234	No	No
5700	TraesCS2A03G0357600	0.70746	1.2806	No	No
5701	TraesCS2A03G0357800	0.83178	0.98594	Down	Down
5702	TraesCS2A03G0358100	0.97565	1.48299	No	No
5703	TraesCS2A03G0358600	0.96435	1.52091	No	No
5705	TraesCS2A03G0358800	1.05699	0.5021	No	No
5707	TraesCS2A03G0359300	1.1819	1.03835	UP	UP
5708	TraesCS2A03G0361100	1.0209	0.9428	No	No
5709	TraesCS2A03G0361500	0.78502	0.39255	Down	Down
5711	TraesCS2A03G0362900	1.376	0.47843	Up	Down
5712	TraesCS2A03G0362900	0.97374	0.41794	Down	Down
5713	TraesCS2A03G0363200	0.85684	1.85116	No	No
5714	TraesCS2A03G0363500	1.04225	0.99644	No	No
5717	TraesCS2A03G0365400	1.72346	0.41296	Up	Down
5718	TraesCS2A03G0365600	0.83374	1.14529	No	No
5719	TraesCS2A03G0365800	0.8716	2.81361	Down	Up
5721	TraesCS2A03G0366800	0.81299	6.88692	Down	Up
5722	TraesCS2A03G0367400	1.10349	1.67716	UP	UP
5723	TraesCS2A03G0367800	1.33219	0.30492	Up	Down
5724	TraesCS2A03G0368000	1.45485	0.89593	No	No
5725	TraesCS2A03G0368700	1.20337	0.80331	No	No
5726	TraesCS2A03G0368800	0.87081	1.3331	No	No
5727	TraesCS2A03G0369000	2.33588	0.59424	Up	Down
5728	TraesCS2A03G0369100	1.09499	0.95676	No	No
5729	TraesCS2A03G0370500	0.54655	1.31423	No	No
5730	TraesCS2A03G0372400	0.76939	1.0162	No	No
5731	TraesCS2A03G0373600	1.31052	1.148	UP	UP
5732	TraesCS2A03G0373700	0.97226	1.00885	No	No
5733	TraesCS2A03G0373800	1.16047	0.8733	No	No
5736	TraesCS2A03G0374600	1.28254	1.12678	UP	UP
5737	TraesCS2A03G0378500	1.13157	1.08318	UP	UP

5738	TraesCS2A03G0379200	1.07333	1.20037	UP	UP
5739	TraesCS2A03G0379400	1.13959	0.57525	No	No
5740	TraesCS2A03G0379400	0.99404	0.52948	Down	Down
5741	TraesCS2A03G0379600	0.91976	0.75584	Down	Down
5742	TraesCS2A03G0380200	0.82965	4.35901	Down	Up
5743	TraesCS2A03G0380500	1.04782	1.26438	UP	UP
5744	TraesCS2A03G0380600	0.81372	0.32861	Down	Down
5745	TraesCS2A03G0380900	1.39301	0.44899	Up	Down
5746	TraesCS2A03G0381200	0.75666	0.84153	Down	Down
5747	TraesCS2A03G0382500	0.62801	1.02068	No	No
5748	TraesCS2A03G0382900	0.80762	2.27199	Down	Up
5749	TraesCS2A03G0383000	0.57419	2.37887	Down	Up
5750	TraesCS2A03G0383200	0.87914	5.35002	Down	Up
5751	TraesCS2A03G0383500	1.05176	0.94439	No	No
5753	TraesCS2A03G0384500	0.95461	1.30413	No	No
5754	TraesCS2A03G0385200	0.55186	0.90814	Down	Down
5755	TraesCS2A03G0385700	1.11328	1.17887	UP	UP
5756	TraesCS2A03G0386800	0.62812	3.68355	Down	Up
5757	TraesCS2A03G0386900	0.75804	5.41252	Down	Up
5758	TraesCS2A03G0387100	1.05066	0.72495	No	No
5759	TraesCS2A03G0388100	0.93684	1.41001	No	No
5760	TraesCS2A03G0388400	0.84326	0.1739	Down	Down
5761	TraesCS2A03G0388800	0.73876	1.14507	No	No
5762	TraesCS2A03G0389000	0.90596	1.3956	No	No
5763	TraesCS2A03G0389100	1.30941	1.14984	UP	UP
5764	TraesCS2A03G0389300	1.36913	0.9651	No	No
5765	TraesCS2A03G0389800	1.08517	1.94072	UP	UP
5766	TraesCS2A03G0390600	0.70072	1.63466	No	No
5767	TraesCS2A03G0391000	0.97396	2.06865	Down	Up
5768	TraesCS2A03G0391300	1.0561	0.83969	No	No
5769	TraesCS2A03G0391700	0.859	0.47681	Down	Down
5771	TraesCS2A03G0392500	0.95838	2.76878	Down	Up
5772	TraesCS2A03G0392600	3.60553	2.05371	Up	Up
5774	TraesCS2A03G0394300	1.02289	0.32107	Up	Down
5775	TraesCS2A03G0394900	0.87682	1.67387	No	No
5776	TraesCS2A03G0395300	0.98286	3.20939	Down	Up
5777	TraesCS2A03G0395400	1.14627	0.76887	No	No
5778	TraesCS2A03G0395800	0.54159	1.18296	No	No
5779	TraesCS2A03G0396000	0.96535	1.1771	No	No
5780	TraesCS2A03G0396700	0.86586	0.76376	Down	Down
5781	TraesCS2A03G0397000	1.14165	0.29458	Up	Down
5782	TraesCS2A03G0397100	1.1669	0.76737	No	No
5783	TraesCS2A03G0397300	1.32843	0.74899	No	No
5784	TraesCS2A03G0397500	0.82338	0.89926	Down	Down
5785	TraesCS2A03G0397600	0.88274	0.91593	Down	Down
5787	TraesCS2A03G0398400	0.75464	1.84329	No	No
5789	TraesCS2A03G0399000	1.032	1.00944	UP	UP
5790	TraesCS2A03G0399600	0.67507	1.5974	No	No
5791	TraesCS2A03G0399800	1.41585	1.05121	UP	UP
5792	TraesCS2A03G0401200	0.81999	3.07042	Down	Up
5793	TraesCS2A03G0401700	0.99311	1.487	No	No
5794	TraesCS2A03G0401800	0.71075	1.91273	No	No

5796	TraesCS2A03G0402500	1.07508	1.91305	UP	UP
5797	TraesCS2A03G0402700	1.11933	0.84464	No	No
5798	TraesCS2A03G0403300	0.91578	2.03803	Down	Up
5799	TraesCS2A03G0403400	0.85734	0.42304	Down	Down
5800	TraesCS2A03G0404200	0.95174	0.57833	Down	Down
5801	TraesCS2A03G0404400	1.0027	1.56439	UP	UP
5802	TraesCS2A03G0407400	1.01808	1.59573	UP	UP
5803	TraesCS2A03G0407700	0.98174	1.97715	No	No
5804	TraesCS2A03G0407900	0.96165	1.01361	No	No
5805	TraesCS2A03G0408900	1.20637	0.82963	No	No
5807	TraesCS2A03G0409500	1.44133	2.94822	Up	Up
5808	TraesCS2A03G0410000	0.72031	1.06279	No	No
5809	TraesCS2A03G0410500	0.90941	1.03836	No	No
5810	TraesCS2A03G0410700	1.1108	1.43617	UP	UP
5811	TraesCS2A03G0411000	1.39919	1.09502	UP	UP
5812	TraesCS2A03G0411700	1.11253	1.82783	UP	UP
5813	TraesCS2A03G0412200	1.02859	0.90794	No	No
5814	TraesCS2A03G0412600	0.94127	0.43811	Down	Down
5815	TraesCS2A03G0413700	0.56181	1.11741	No	No
5816	TraesCS2A03G0414000	1.4682	0.78755	No	No
5817	TraesCS2A03G0414600	1.1752	2.3315	Up	Up
5818	TraesCS2A03G0414700	1.13629	0.62527	No	No
5819	TraesCS2A03G0415000	0.74369	1.99158	No	No
5820	TraesCS2A03G0416100	0.46055	1.53564	Down	Up
5821	TraesCS2A03G0416300	0.96373	0.87202	Down	Down
5822	TraesCS2A03G0416400	0.90888	0.53276	Down	Down
5823	TraesCS2A03G0416900	1.26478	1.12004	UP	UP
5824	TraesCS2A03G0417000	1.0212	0.34143	Up	Down
5825	TraesCS2A03G0417200	1.00352	0.77404	No	No
5826	TraesCS2A03G0417400	0.97777	1.2327	No	No
5827	TraesCS2A03G0418100	1.19041	0.65566	No	No
5828	TraesCS2A03G0418400	0.78644	0.51859	Down	Down
5831	TraesCS2A03G0418900	1.01786	0.56803	No	No
5832	TraesCS2A03G0420300	1.047	1.64206	UP	UP
5833	TraesCS2A03G0421300	0.90721	0.96285	Down	Down
5834	TraesCS2A03G0422800	1.45186	0.99072	No	No
5835	TraesCS2A03G0423500	0.95699	1.2361	No	No
5836	TraesCS2A03G0423600	0.85444	0.4176	Down	Down
5837	TraesCS2A03G0424000	1.41379	0.30775	Up	Down
5838	TraesCS2A03G0424200	0.86878	0.71008	Down	Down
5839	TraesCS2A03G0424400	0.86054	1.82341	No	No
5840	TraesCS2A03G0425400	0.85271	1.2661	No	No
5842	TraesCS2A03G0427100	1.01146	1.28597	UP	UP
5844	TraesCS2A03G0427800	0.91175	1.27576	No	No
5845	TraesCS2A03G0428900	1.06942	1.19099	UP	UP
5847	TraesCS2A03G0429600	1.11936	0.77057	No	No
5848	TraesCS2A03G0430000	0.83958	0.36472	Down	Down
5849	TraesCS2A03G0430100	0.70349	0.04867	Down	Down
5850	TraesCS2A03G0431900	1.26173	0.91697	No	No
5852	TraesCS2A03G0433300	0.92694	1.51081	No	No
5853	TraesCS2A03G0433600	0.8815	0.56885	Down	Down
5854	TraesCS2A03G0433700	0.80372	0.12971	Down	Down

5855	TraesCS2A03G0433900	0.87238	0.75042	Down	Down
5856	TraesCS2A03G0435100	0.95855	0.90306	Down	Down
5857	TraesCS2A03G0435300	1.02237	0.92303	No	No
5858	TraesCS2A03G0436500	0.94465	3.27928	Down	Up
5859	TraesCS2A03G0437400	1.59761	0.8966	No	No
5861	TraesCS2A03G0437800	0.96939	0.41138	Down	Down
5863	TraesCS2A03G0438000	0.90858	1.06149	No	No
5868	TraesCS2A03G0441100	0.7833	0.77818	Down	Down
5872	TraesCS2A03G0445000	0.84459	0.96	Down	Down
5875	TraesCS2A03G0445700	1.67326	1.12325	UP	UP
5876	TraesCS2A03G0446200	1.32465	1.22742	UP	UP
5877	TraesCS2A03G0446600	0.49679	1.48022	Down	Up
5878	TraesCS2A03G0446900	1.04449	1.77357	UP	UP
5879	TraesCS2A03G0449600	0.60023	0.9029	Down	Down
5880	TraesCS2A03G0451300	1.5006	1.51764	UP	UP
5881	TraesCS2A03G0451700	0.23498	1.23362	Down	Up
5882	TraesCS2A03G0451700	0.76824	1.00864	No	No
5883	TraesCS2A03G0452600	0.91821	1.2313	No	No
5884	TraesCS2A03G0452700	0.82323	1.24401	No	No
5885	TraesCS2A03G0452900	0.93026	0.74572	Down	Down
5889	TraesCS2A03G0454700	0.65123	2.23076	Down	Up
5890	TraesCS2A03G0454700	0.70936	1.54792	No	No
5891	TraesCS2A03G0455600	1.18356	0.91583	No	No
5892	TraesCS2A03G0457000	0.94876	0.25867	Down	Down
5893	TraesCS2A03G0457100	1.17171	0.73719	No	No
5895	TraesCS2A03G0457700	3.04457	1.20941	Up	Up
5896	TraesCS2A03G0457800	0.89027	1.3726	No	No
5897	TraesCS2A03G0457900	1.28726	1.8865	UP	UP
5898	TraesCS2A03G0458300	1.61187	0.83124	No	No
5899	TraesCS2A03G0458600	0.93592	0.51282	Down	Down
5900	TraesCS2A03G0458700	0.99725	0.60402	Down	Down
5901	TraesCS2A03G0458900	1.48752	1.12837	UP	UP
5902	TraesCS2A03G0459100	0.77342	0.81434	Down	Down
5903	TraesCS2A03G0460000	0.79164	0.94723	Down	Down
5904	TraesCS2A03G0460300	0.6582	0.3046	Down	Down
5905	TraesCS2A03G0462000	0.90151	1.03372	No	No
5906	TraesCS2A03G0462300	2.99921	2.30002	Up	Up
5907	TraesCS2A03G0462600	0.77727	1.63407	No	No
5908	TraesCS2A03G0463700	0.86193	2.88009	Down	Up
5909	TraesCS2A03G0463800	0.52079	1.36529	No	No
5910	TraesCS2A03G0465400	2.0476	4.30579	Up	Up
5912	TraesCS2A03G0466200	1.06718	0.93697	No	No
5913	TraesCS2A03G0466300	0.80309	1.04346	No	No
5914	TraesCS2A03G0466600	1.0925	0.59209	No	No
5915	TraesCS2A03G0466700	1.06721	0.55394	No	No
5916	TraesCS2A03G0467200	5.4234	3.43728	Up	Up
5917	TraesCS2A03G0467300	1.01844	0.61745	No	No
5918	TraesCS2A03G0467400	1.02	1.14753	UP	UP
5919	TraesCS2A03G0467700	1.19862	1.66955	UP	UP
5920	TraesCS2A03G0468100	1.11279	1.0833	UP	UP
5921	TraesCS2A03G0468600	1.19907	1.60651	UP	UP
5922	TraesCS2A03G0470600	0.85165	1.74761	No	No

5923	TraesCS2A03G0471300	1.33388	1.74911	UP	UP
5924	TraesCS2A03G0472400	1.42913	1.48565	UP	UP
5925	TraesCS2A03G0472900	0.97327	1.15586	No	No
5926	TraesCS2A03G0473200	0.95238	0.44025	Down	Down
5927	TraesCS2A03G0473600	0.88003	0.5699	Down	Down
5929	TraesCS2A03G0475600	1.00526	0.87831	No	No
5930	TraesCS2A03G0475600	1.08035	1.6457	UP	UP
5931	TraesCS2A03G0475700	1.23758	1.2057	UP	UP
5933	TraesCS2A03G0477100	0.83876	3.22651	Down	Up
5934	TraesCS2A03G0477300	1.15656	0.80127	No	No
5935	TraesCS2A03G0479400	1.39757	0.54051	No	No
5936	TraesCS2A03G0479400	0.92457	0.50949	Down	Down
5937	TraesCS2A03G0479400	2.11031	3.3312	Up	Up
5938	TraesCS2A03G0479600	0.60571	2.17936	Down	Up
5939	TraesCS2A03G0479600	1.03493	2.26801	Up	Up
5940	TraesCS2A03G0479800	1.22303	0.83945	No	No
5941	TraesCS2A03G0480500	1.01322	1.62374	UP	UP
5945	TraesCS2A03G0481400	1.10582	2.12197	Up	Up
5946	TraesCS2A03G0481600	0.5842	0.35876	Down	Down
5947	TraesCS2A03G0482000	0.98908	1.65873	No	No
5948	TraesCS2A03G0482400	0.94221	1.26835	No	No
5950	TraesCS2A03G0482800	1.0584	1.26521	UP	UP
5951	TraesCS2A03G0484100	1.06461	2.19519	Up	Up
5952	TraesCS2A03G0487000	1.12889	0.9759	No	No
5953	TraesCS2A03G0487300	1.09444	0.58136	No	No
5954	TraesCS2A03G0487400	1.0166	0.43072	Up	Down
5956	TraesCS2A03G0488800	1.38759	0.93356	No	No
5957	TraesCS2A03G0490400	0.85533	1.46134	No	No
5958	TraesCS2A03G0490900	0.80422	1.08371	No	No
5959	TraesCS2A03G0492100	1.00617	0.93883	No	No
5960	TraesCS2A03G0492700	1.12642	1.15078	UP	UP
5962	TraesCS2A03G0493500	0.99417	0.70738	Down	Down
5963	TraesCS2A03G0493500	0.52125	0.36177	Down	Down
5964	TraesCS2A03G0494000	1.02353	0.78221	No	No
5966	TraesCS2A03G0495100	0.48342	0.82791	Down	Down
5969	TraesCS2A03G0497100	0.6475	1.29476	No	No
5970	TraesCS2A03G0497200	0.70141	1.1442	No	No
5974	TraesCS2A03G0499700	0.93316	0.76659	Down	Down
5975	TraesCS2A03G0501200	1.08265	1.36121	UP	UP
5976	TraesCS2A03G0501500	1.13538	0.71767	No	No
5977	TraesCS2A03G0501900	0.81846	1.34697	No	No
5978	TraesCS2A03G0502100	1.0918	1.18729	UP	UP
5979	TraesCS2A03G0503800	0.45753	1.28324	Down	Up
5981	TraesCS2A03G0504200	1.48357	0.68006	No	No
5983	TraesCS2A03G0505900	0.7048	1.47516	No	No
5984	TraesCS2A03G0505900	0.98669	1.10607	No	No
5986	TraesCS2A03G0508200	1.56226	0.82818	No	No
5987	TraesCS2A03G0509300	0.82154	1.14225	No	No
5989	TraesCS2A03G0512600	1.15565	1.18243	UP	UP
5991	TraesCS2A03G0512800	0.82587	1.55231	No	No
5992	TraesCS2A03G0513500	0.52855	0.56297	Down	Down
5993	TraesCS2A03G0513500	0.8566	1.43598	No	No

5995	TraesCS2A03G0514800	1.57601	1.18253	UP	UP
5996	TraesCS2A03G0515800	1.06136	0.57526	No	No
5997	TraesCS2A03G0516000	1.67262	1.49784	UP	UP
5999	TraesCS2A03G0517600	1.03496	1.26134	UP	UP
6000	TraesCS2A03G0518200	1.04245	1.40073	UP	UP
6001	TraesCS2A03G0520000	0.55995	1.40556	No	No
6002	TraesCS2A03G0521000	0.88417	1.33466	No	No
6003	TraesCS2A03G0521100	0.81466	2.8901	Down	Up
6004	TraesCS2A03G0521900	1.23274	1.31909	UP	UP
6005	TraesCS2A03G0522600	0.98719	0.88472	Down	Down
6006	TraesCS2A03G0522700	1.23336	0.47192	Up	Down
6009	TraesCS2A03G0524700	0.96712	1.11465	No	No
6010	TraesCS2A03G0524900	1.05476	1.2975	UP	UP
6011	TraesCS2A03G0525300	0.76719	0.85934	Down	Down
6014	TraesCS2A03G0527300	0.89278	1.39763	No	No
6015	TraesCS2A03G0528100	0.94703	1.23524	No	No
6016	TraesCS2A03G0529400	0.80451	0.42803	Down	Down
6017	TraesCS2A03G0529700	0.95117	0.49885	Down	Down
6022	TraesCS2A03G0532900	1.06706	1.47708	UP	UP
6025	TraesCS2A03G0536100	1.03896	1.07213	UP	UP
6026	TraesCS2A03G0536500	0.68053	1.48645	No	No
6028	TraesCS2A03G0538000	1.12891	0.92864	No	No
6029	TraesCS2A03G0539200	1.03839	0.80687	No	No
6031	TraesCS2A03G0539700	0.82791	1.66886	No	No
6033	TraesCS2A03G0540800	0.70869	2.43325	Down	Up
6034	TraesCS2A03G0541800	1.42319	0.50856	No	No
6035	TraesCS2A03G0544100	0.61574	0.78868	Down	Down
6036	TraesCS2A03G0544100	0.72888	0.33035	Down	Down
6037	TraesCS2A03G0544300	1.18278	1.5686	UP	UP
6039	TraesCS2A03G0545200	0.91838	1.0779	No	No
6040	TraesCS2A03G0546100	0.90765	1.28647	No	No
6042	TraesCS2A03G0546500	1.21602	1.28574	UP	UP
6044	TraesCS2A03G0547500	0.89412	1.00387	No	No
6046	TraesCS2A03G0548500	1.03214	0.92618	No	No
6047	TraesCS2A03G0549100	1.2408	0.81953	No	No
6049	TraesCS2A03G0550000	0.96635	0.67232	Down	Down
6050	TraesCS2A03G0551900	1.71419	0.75544	No	No
6051	TraesCS2A03G0552300	1.46854	1.65556	UP	UP
6052	TraesCS2A03G0552600	0.71807	0.63767	Down	Down
6054	TraesCS2A03G0552800	0.89295	0.61364	Down	Down
6056	TraesCS2A03G0554100	1.40454	1.3271	UP	UP
6057	TraesCS2A03G0556400	0.74152	0.56824	Down	Down
6058	TraesCS2A03G0558800	0.7516	1.21119	No	No
6059	TraesCS2A03G0559100	1.0017	0.57361	No	No
6060	TraesCS2A03G0559600	1.03028	0.6995	No	No
6061	TraesCS2A03G0562200	0.99197	0.92614	Down	Down
6062	TraesCS2A03G0565400	1.20655	0.99018	No	No
6063	TraesCS2A03G0566100	0.95262	1.18704	No	No
6064	TraesCS2A03G0568000	0.54081	1.41866	No	No
6065	TraesCS2A03G0568200	1.33997	2.37153	Up	Up
6066	TraesCS2A03G0568500	0.90508	1.24421	No	No
6067	TraesCS2A03G0569700	0.84886	1.47396	No	No

6069	TraesCS2A03G0572500	0.82659	1.16295	No	No
6073	TraesCS2A03G0573700	0.66767	1.59084	No	No
6074	TraesCS2A03G0574200	0.54525	1.10888	No	No
6075	TraesCS2A03G0574500	1.34707	0.73836	No	No
6076	TraesCS2A03G0574500	1.08957	0.93543	No	No
6077	TraesCS2A03G0576800	1.14021	1.80645	UP	UP
6078	TraesCS2A03G0577700	1.09778	1.09915	UP	UP
6080	TraesCS2A03G0580600	1.17374	2.79411	Up	Up
6082	TraesCS2A03G0582500	1.31679	1.83562	UP	UP
6084	TraesCS2A03G0583400	0.82668	1.29442	No	No
6092	TraesCS2A03G0586800	0.6249	1.12404	No	No
6094	TraesCS2A03G0587100	1.33815	1.59312	UP	UP
6095	TraesCS2A03G0587200	1.4873	0.51616	No	No
6097	TraesCS2A03G0588700	1.94604	0.57059	No	No
6098	TraesCS2A03G0588700	0.27492	0.35844	Down	Down
6099	TraesCS2A03G0589400	1.01526	0.70586	No	No
6101	TraesCS2A03G0591500	0.9881	0.93362	Down	Down
6102	TraesCS2A03G0591800	1.46486	0.65733	No	No
6103	TraesCS2A03G0592700	1.05144	1.90319	UP	UP
6104	TraesCS2A03G0593000	1.62792	5.47445	Up	Up
6105	TraesCS2A03G0593100	1.16546	0.58303	No	No
6107	TraesCS2A03G0593900	0.8813	0.73673	Down	Down
6108	TraesCS2A03G0594000	1.1472	0.64318	No	No
6109	TraesCS2A03G0594200	1.10542	1.15877	UP	UP
6110	TraesCS2A03G0595200	0.82987	0.99688	Down	Down
6111	TraesCS2A03G0595300	1.18367	1.87979	UP	UP
6113	TraesCS2A03G0596100	0.78119	5.58917	Down	Up
6114	TraesCS2A03G0596200	1.0949	1.57532	UP	UP
6115	TraesCS2A03G0597500	1.53686	0.86389	No	No
6116	TraesCS2A03G0599200	0.72318	1.23622	No	No
6117	TraesCS2A03G0599900	0.64495	0.39232	Down	Down
6118	TraesCS2A03G0600700	0.66205	0.56293	Down	Down
6119	TraesCS2A03G0600800	1.25747	0.79887	No	No
6122	TraesCS2A03G0601200	0.7882	1.63921	No	No
6123	TraesCS2A03G0601300	1.16445	1.10739	UP	UP
6126	TraesCS2A03G0603800	0.94007	0.54844	Down	Down
6127	TraesCS2A03G0604000	0.95341	1.71826	No	No
6128	TraesCS2A03G0604300	0.91584	1.8141	No	No
6129	TraesCS2A03G0604900	1.20121	0.81915	No	No
6130	TraesCS2A03G0605300	0.80694	0.60771	Down	Down
6131	TraesCS2A03G0605800	1.56328	0.8686	No	No
6132	TraesCS2A03G0606900	1.2938	1.71265	UP	UP
6133	TraesCS2A03G0607000	1.00024	0.90485	No	No
6134	TraesCS2A03G0607500	1.64139	1.89501	UP	UP
6135	TraesCS2A03G0608500	0.86013	0.14994	Down	Down
6136	TraesCS2A03G0608700	1.50613	1.05179	UP	UP
6137	TraesCS2A03G0608800	1.12791	1.74088	UP	UP
6141	TraesCS2A03G0612100	0.93799	1.2582	No	No
6142	TraesCS2A03G0612200	1.23192	0.65975	No	No
6143	TraesCS2A03G0612500	0.9366	0.39615	Down	Down
6144	TraesCS2A03G0612500	0.86661	0.3733	Down	Down
6145	TraesCS2A03G0612900	0.96537	0.55114	Down	Down

6146	TraesCS2A03G0613000	1.79344	0.2411	Up	Down
6147	TraesCS2A03G0613300	1.07249	1.0445	UP	UP
6148	TraesCS2A03G0613400	1.35748	1.29949	UP	UP
6150	TraesCS2A03G0613800	0.50562	0.28445	Down	Down
6151	TraesCS2A03G0614700	1.00181	1.43155	UP	UP
6153	TraesCS2A03G0615300	0.87756	0.90923	Down	Down
6154	TraesCS2A03G0615700	1.1122	2.7462	Up	Up
6156	TraesCS2A03G0616400	0.95783	0.84816	Down	Down
6157	TraesCS2A03G0616900	0.83023	1.25992	No	No
6158	TraesCS2A03G0618700	1.37799	1.22173	UP	UP
6159	TraesCS2A03G0619000	1.14554	1.12998	UP	UP
6161	TraesCS2A03G0619800	0.97978	1.16711	No	No
6162	TraesCS2A03G0620000	0.81943	0.97708	Down	Down
6163	TraesCS2A03G0621000	0.90041	1.44862	No	No
6168	TraesCS2A03G0625100	1.22379	1.37782	UP	UP
6171	TraesCS2A03G0629300	1.25598	0.9472	No	No
6173	TraesCS2A03G0631700	1.34587	1.45114	UP	UP
6181	TraesCS2A03G0638700	0.94514	0.76451	Down	Down
6182	TraesCS2A03G0638900	0.94262	5.94475	Down	Up
6183	TraesCS2A03G0639400	0.91646	0.68118	Down	Down
6184	TraesCS2A03G0640500	1.22846	0.98528	No	No
6185	TraesCS2A03G0640800	1.02351	0.90667	No	No
6186	TraesCS2A03G0641000	1.02943	1.13825	UP	UP
6187	TraesCS2A03G0641400	0.74043	1.38017	No	No
6192	TraesCS2A03G0643000	0.45378	0.6897	Down	Down
6193	TraesCS2A03G0643000	0.41622	0.89371	Down	Down
6194	TraesCS2A03G0643800	0.9014	0.43937	Down	Down
6195	TraesCS2A03G0644200	0.913	1.64976	No	No
6196	TraesCS2A03G0644400	1.09901	1.34105	UP	UP
6198	TraesCS2A03G0645200	0.90289	1.05534	No	No
6199	TraesCS2A03G0645300	0.8777	0.79101	Down	Down
6200	TraesCS2A03G0645400	0.77275	0.45591	Down	Down
6201	TraesCS2A03G0645800	1.19621	1.01928	UP	UP
6202	TraesCS2A03G0646200	1.05363	0.91455	No	No
6206	TraesCS2A03G0647200	0.92946	1.30201	No	No
6207	TraesCS2A03G0647300	1.08019	1.07261	UP	UP
6208	TraesCS2A03G0647400	1.09981	0.35678	Up	Down
6209	TraesCS2A03G0647600	1.05283	0.52418	No	No
6210	TraesCS2A03G0648200	1.03565	0.30066	Up	Down
6211	TraesCS2A03G0648500	0.74839	1.84308	No	No
6212	TraesCS2A03G0649300	0.59417	4.02137	Down	Up
6213	TraesCS2A03G0649900	1.60169	0.84793	No	No
6214	TraesCS2A03G0650400	1.94287	1.84924	UP	UP
6216	TraesCS2A03G0650800	1.03384	1.43659	UP	UP
6219	TraesCS2A03G0652000	1.21064	1.12021	UP	UP
6220	TraesCS2A03G0652200	1.44919	1.35608	UP	UP
6222	TraesCS2A03G0652700	1.99705	1.58655	UP	UP
6227	TraesCS2A03G0653900	1.08048	0.6592	No	No
6228	TraesCS2A03G0654800	1.07537	1.45243	UP	UP
6229	TraesCS2A03G0655300	0.68596	3.17318	Down	Up
6231	TraesCS2A03G0656500	1.38485	0.81625	No	No
6233	TraesCS2A03G0656900	1.42287	1.09406	UP	UP

6234	TraesCS2A03G0658600	0.76765	3.54107	Down	Up
6236	TraesCS2A03G0660900	1.38838	0.73571	No	No
6237	TraesCS2A03G0661000	1.13222	0.69875	No	No
6238	TraesCS2A03G0661300	1.37837	0.69041	No	No
6239	TraesCS2A03G0661300	0.76499	0.64254	Down	Down
6241	TraesCS2A03G0661500	1.27281	0.855	No	No
6242	TraesCS2A03G0661600	1.07399	0.11724	Up	Down
6244	TraesCS2A03G0662600	1.1878	1.17762	UP	UP
6245	TraesCS2A03G0663900	0.97083	0.61153	Down	Down
6246	TraesCS2A03G0664500	1.87029	0.36765	Up	Down
6247	TraesCS2A03G0664700	1.11286	1.01018	UP	UP
6248	TraesCS2A03G0665300	0.90507	4.06962	Down	Up
6249	TraesCS2A03G0665600	1.09115	1.27146	UP	UP
6252	TraesCS2A03G0666500	0.66759	1.01418	No	No
6253	TraesCS2A03G0667000	1.20079	0.83774	No	No
6254	TraesCS2A03G0667300	1.02309	1.41924	UP	UP
6255	TraesCS2A03G0667600	1.11419	1.73095	UP	UP
6257	TraesCS2A03G0673000	0.60751	5.18489	Down	Up
6258	TraesCS2A03G0673900	0.73088	1.31854	No	No
6259	TraesCS2A03G0674600	1.23156	1.02621	UP	UP
6260	TraesCS2A03G0674900	1.13576	0.23275	Up	Down
6261	TraesCS2A03G0674900	1.11023	0.13862	Up	Down
6263	TraesCS2A03G0675400	0.93125	0.47862	Down	Down
6264	TraesCS2A03G0675500	1.20654	1.01906	UP	UP
6265	TraesCS2A03G0675800	0.87258	1.49669	No	No
6266	TraesCS2A03G0676100	0.86724	1.36582	No	No
6267	TraesCS2A03G0676400	1.14534	0.82499	No	No
6268	TraesCS2A03G0676600	1.55882	0.31442	Up	Down
6269	TraesCS2A03G0677500	1.15142	1.00313	UP	UP
6270	TraesCS2A03G0678400	0.80333	0.61515	Down	Down
6271	TraesCS2A03G0678600	0.927	1.21925	No	No
6272	TraesCS2A03G0679100	0.9598	0.84799	Down	Down
6273	TraesCS2A03G0679200	0.74905	1.04048	No	No
6274	TraesCS2A03G0680500	0.82888	2.19419	Down	Up
6275	TraesCS2A03G0680700	4.17404	0.29694	Up	Down
6276	TraesCS2A03G0680800	1.94983	1.25482	UP	UP
6277	TraesCS2A03G0680900	0.83932	1.20243	No	No
6278	TraesCS2A03G0682200	0.83244	0.76492	Down	Down
6279	TraesCS2A03G0684000	0.62628	1.07296	No	No
6280	TraesCS2A03G0685200	0.70485	1.15107	No	No
6281	TraesCS2A03G0685600	0.82548	1.3419	No	No
6283	TraesCS2A03G0688700	1.45827	0.98557	No	No
6286	TraesCS2A03G0692100	1.43843	1.02292	UP	UP
6287	TraesCS2A03G0692200	0.81001	1.38939	No	No
6288	TraesCS2A03G0692900	2.83717	0.811	Up	Down
6289	TraesCS2A03G0693800	0.63332	1.49725	No	No
6290	TraesCS2A03G0694200	1.17082	1.26213	UP	UP
6291	TraesCS2A03G0694300	1.05617	2.15152	Up	Up
6293	TraesCS2A03G0694900	0.90944	1.35209	No	No
6294	TraesCS2A03G0695400	0.74563	1.23752	No	No
6295	TraesCS2A03G0697200	1.02647	2.21024	Up	Up
6296	TraesCS2A03G0697300	0.69419	1.01024	No	No

6297	TraesCS2A03G0697500	0.99768	0.78511	Down	Down
6298	TraesCS2A03G0698200	0.96687	1.07291	No	No
6299	TraesCS2A03G0699000	0.67648	1.69748	No	No
6300	TraesCS2A03G0699100	1.04861	0.20855	Up	Down
6301	TraesCS2A03G0699400	0.67091	1.86625	No	No
6302	TraesCS2A03G0701900	0.97002	0.59374	Down	Down
6303	TraesCS2A03G0702200	0.75708	1.15329	No	No
6304	TraesCS2A03G0702600	1.09538	0.56517	No	No
6305	TraesCS2A03G0702800	1.64957	0.50217	No	No
6306	TraesCS2A03G0703600	1.01774	0.9425	No	No
6307	TraesCS2A03G0704400	0.89324	0.90519	Down	Down
6308	TraesCS2A03G0705100	0.96325	0.79017	Down	Down
6309	TraesCS2A03G0705300	1.79622	2.36495	Up	Up
6310	TraesCS2A03G0705500	1.10868	0.31438	Up	Down
6311	TraesCS2A03G0705700	0.95621	1.29763	No	No
6312	TraesCS2A03G0705800	0.82504	1.37211	No	No
6313	TraesCS2A03G0708300	0.63458	1.09317	No	No
6315	TraesCS2A03G0708800	0.85005	1.39958	No	No
6316	TraesCS2A03G0708900	0.74665	0.94309	Down	Down
6317	TraesCS2A03G0709300	1.07375	1.28173	UP	UP
6318	TraesCS2A03G0709800	0.74024	0.72184	Down	Down
6319	TraesCS2A03G0711600	0.94934	0.54034	Down	Down
6320	TraesCS2A03G0712900	0.86625	0.90236	Down	Down
6321	TraesCS2A03G0713500	0.6444	2.36623	Down	Up
6322	TraesCS2A03G0714200	0.84403	2.67576	Down	Up
6323	TraesCS2A03G0714400	1.07909	1.24735	UP	UP
6324	TraesCS2A03G0714500	1.77159	1.14727	UP	UP
6325	TraesCS2A03G0714700	0.99513	0.4187	Down	Down
6326	TraesCS2A03G0715000	0.58573	1.01275	No	No
6327	TraesCS2A03G0715600	0.86228	0.94434	Down	Down
6328	TraesCS2A03G0717400	0.92536	0.43972	Down	Down
6329	TraesCS2A03G0717500	0.89372	0.59673	Down	Down
6330	TraesCS2A03G0717500	0.61872	0.25888	Down	Down
6332	TraesCS2A03G0718500	1.50708	0.62271	No	No
6333	TraesCS2A03G0718900	1.36482	0.15484	Up	Down
6334	TraesCS2A03G0718900	1.30831	1.48759	UP	UP
6337	TraesCS2A03G0720900	0.80982	0.65348	Down	Down
6339	TraesCS2A03G0721300	0.92379	0.87346	Down	Down
6340	TraesCS2A03G0722200	0.69959	1.38257	No	No
6341	TraesCS2A03G0723000	0.81422	1.27477	No	No
6342	TraesCS2A03G0723700	1.73415	1.30296	UP	UP
6343	TraesCS2A03G0723800	0.47838	3.31282	Down	Up
6344	TraesCS2A03G0724500	1.15306	0.53829	No	No
6345	TraesCS2A03G0724700	0.77386	1.5295	No	No
6346	TraesCS2A03G0725000	0.71978	1.11479	No	No
6347	TraesCS2A03G0725800	0.72062	1.60776	No	No
6348	TraesCS2A03G0726400	0.86307	0.62254	Down	Down
6349	TraesCS2A03G0726600	0.99546	1.36216	No	No
6351	TraesCS2A03G0726900	1.08087	0.65477	No	No
6352	TraesCS2A03G0727500	0.93907	0.5289	Down	Down
6353	TraesCS2A03G0727700	0.84946	0.6029	Down	Down
6354	TraesCS2A03G0727900	0.97632	0.52878	Down	Down

6355	TraesCS2A03G0728000	0.8094	0.52868	Down	Down
6356	TraesCS2A03G0728400	1.027	0.75706	No	No
6357	TraesCS2A03G0729100	1.12859	1.34991	UP	UP
6358	TraesCS2A03G0729200	1.46483	2.05871	Up	Up
6360	TraesCS2A03G0729900	1.0711	1.25822	UP	UP
6361	TraesCS2A03G0731100	0.8406	1.78923	No	No
6362	TraesCS2A03G0731400	1.0672	1.3179	UP	UP
6363	TraesCS2A03G0731800	1.18121	0.4305	Up	Down
6364	TraesCS2A03G0732000	0.98903	0.70562	Down	Down
6365	TraesCS2A03G0732100	0.93136	0.92733	Down	Down
6366	TraesCS2A03G0732600	1.01125	0.41766	Up	Down
6367	TraesCS2A03G0732700	0.96782	0.64812	Down	Down
6368	TraesCS2A03G0732900	0.64325	1.21606	No	No
6369	TraesCS2A03G0733400	0.67674	1.3111	No	No
6371	TraesCS2A03G0734700	1.62237	1.09005	UP	UP
6372	TraesCS2A03G0735700	1.18195	0.44446	Up	Down
6373	TraesCS2A03G0735700	1.26074	0.34209	Up	Down
6374	TraesCS2A03G0736100	0.8453	2.80052	Down	Up
6375	TraesCS2A03G0736200	1.4816	0.88036	No	No
6376	TraesCS2A03G0736800	0.81561	1.24546	No	No
6377	TraesCS2A03G0737200	1.21383	1.0592	UP	UP
6378	TraesCS2A03G0737300	1.04041	0.95369	No	No
6379	TraesCS2A03G0737500	0.98448	1.13923	No	No
6381	TraesCS2A03G0737900	0.67594	1.48605	No	No
6382	TraesCS2A03G0738000	0.85268	1.36745	No	No
6383	TraesCS2A03G0738500	0.91901	0.22288	Down	Down
6384	TraesCS2A03G0739700	1.32146	0.86304	No	No
6385	TraesCS2A03G0740500	0.65767	0.35194	Down	Down
6386	TraesCS2A03G0741400	0.80387	0.61544	Down	Down
6387	TraesCS2A03G0742700	0.70886	2.83153	Down	Up
6388	TraesCS2A03G0742900	0.68305	4.83849	Down	Up
6389	TraesCS2A03G0743900	0.89289	3.49295	Down	Up
6390	TraesCS2A03G0744500	1.835	0.33286	Up	Down
6391	TraesCS2A03G0746700	0.88645	1.60073	No	No
6392	TraesCS2A03G0746800	1.1086	1.43961	UP	UP
6394	TraesCS2A03G0747900	0.92752	1.42427	No	No
6395	TraesCS2A03G0748000	1.05476	0.30609	Up	Down
6396	TraesCS2A03G0749100	0.93719	1.95577	No	No
6397	TraesCS2A03G0749400	1.57168	0.04427	Up	Down
6398	TraesCS2A03G0749600	0.83819	0.13131	Down	Down
6399	TraesCS2A03G0751100	0.89788	0.72631	Down	Down
6400	TraesCS2A03G0751200	0.9872	1.00731	No	No
6401	TraesCS2A03G0751900	1.1372	0.86498	No	No
6402	TraesCS2A03G0752000	0.98627	0.79489	Down	Down
6403	TraesCS2A03G0752100	2.41794	1.72335	Up	Up
6404	TraesCS2A03G0752100	2.65319	0.04567	Up	Down
6405	TraesCS2A03G0752200	1.48137	1.09929	UP	UP
6406	TraesCS2A03G0753000	0.804	1.61655	No	No
6407	TraesCS2A03G0753300	0.5591	7.06961	Down	Up
6408	TraesCS2A03G0753400	2.16491	0.68064	Up	Down
6409	TraesCS2A03G0754000	0.9219	1.12043	No	No
6410	TraesCS2A03G0754100	1.13603	0.82318	No	No

6411	TraesCS2A03G0754200	1.03169	1.36935	UP	UP
6412	TraesCS2A03G0755100	1.15003	0.63083	No	No
6413	TraesCS2A03G0755700	0.56913	1.49188	No	No
6414	TraesCS2A03G0757700	0.89536	1.92807	No	No
6415	TraesCS2A03G0758000	0.79282	0.76081	Down	Down
6416	TraesCS2A03G0758200	0.83858	1.1157	No	No
6417	TraesCS2A03G0758400	1.06358	1.31467	UP	UP
6418	TraesCS2A03G0758500	0.88733	1.43434	No	No
6419	TraesCS2A03G0758800	1.05261	1.07565	UP	UP
6420	TraesCS2A03G0759700	1.23504	0.44216	Up	Down
6421	TraesCS2A03G0760700	3.28961	2.50046	Up	Up
6422	TraesCS2A03G0760900	0.91437	1.0078	No	No
6424	TraesCS2A03G0762300	1.13881	5.87519	Up	Up
6425	TraesCS2A03G0762400	1.05232	0.98781	No	No
6426	TraesCS2A03G0763000	1.54348	0.22629	Up	Down
6427	TraesCS2A03G0764800	1.03122	3.17445	Up	Up
6428	TraesCS2A03G0764800	1.0703	2.52317	Up	Up
6431	TraesCS2A03G0765800	0.9256	1.1054	No	No
6432	TraesCS2A03G0766200	1.04978	2.86947	Up	Up
6434	TraesCS2A03G0766500	1.02143	1.39155	UP	UP
6435	TraesCS2A03G0767000	1.35806	0.48291	Up	Down
6438	TraesCS2A03G0768200	1.0053	1.13213	UP	UP
6439	TraesCS2A03G0768400	0.67874	1.0069	No	No
6440	TraesCS2A03G0769100	0.78537	1.17916	No	No
6441	TraesCS2A03G0769200	0.71336	0.9429	Down	Down
6442	TraesCS2A03G0769900	0.7093	0.79934	Down	Down
6443	TraesCS2A03G0770200	0.65435	2.85064	Down	Up
6444	TraesCS2A03G0770400	0.99567	0.76731	Down	Down
6445	TraesCS2A03G0770700	0.79957	1.12155	No	No
6446	TraesCS2A03G0771200	0.73663	2.33633	Down	Up
6447	TraesCS2A03G0771300	1.25592	0.53341	No	No
6448	TraesCS2A03G0771400	0.41288	0.50344	Down	Down
6449	TraesCS2A03G0771600	1.08221	0.45759	Up	Down
6450	TraesCS2A03G0771800	1.38155	0.29805	Up	Down
6451	TraesCS2A03G0772200	1.22007	1.90304	UP	UP
6452	TraesCS2A03G0772300	1.17459	1.02424	UP	UP
6453	TraesCS2A03G0773400	0.77652	1.43304	No	No
6454	TraesCS2A03G0773600	1.24632	3.26821	Up	Up
6455	TraesCS2A03G0773700	1.11408	1.37642	UP	UP
6456	TraesCS2A03G0774200	1.89222	1.36844	UP	UP
6457	TraesCS2A03G0775000	1.05888	0.89743	No	No
6458	TraesCS2A03G0775200	1.0185	1.39199	UP	UP
6459	TraesCS2A03G0775200	0.92377	0.38715	Down	Down
6461	TraesCS2A03G0776400	1.11123	0.06549	Up	Down
6462	TraesCS2A03G0777200	1.03239	0.66682	No	No
6463	TraesCS2A03G0777400	0.95027	1.44716	No	No
6464	TraesCS2A03G0777500	0.9899	2.60192	Down	Up
6465	TraesCS2A03G0777700	0.88016	1.90417	No	No
6466	TraesCS2A03G0777900	0.93892	0.48975	Down	Down
6467	TraesCS2A03G0778200	0.81884	1.18929	No	No
6468	TraesCS2A03G0778400	0.92605	0.46932	Down	Down
6469	TraesCS2A03G0779600	0.95402	3.72418	Down	Up

6470	TraesCS2A03G0780100	0.7743	1.08775	No	No
6471	TraesCS2A03G0780200	0.95689	0.24589	Down	Down
6472	TraesCS2A03G0780600	0.97506	1.71822	No	No
6473	TraesCS2A03G0782000	1.66475	1.83397	UP	UP
6474	TraesCS2A03G0782200	7.93835	1.76075	Up	Up
6475	TraesCS2A03G0783800	0.95823	0.61276	Down	Down
6476	TraesCS2A03G0783900	0.9482	0.64665	Down	Down
6477	TraesCS2A03G0784400	1.57756	0.66288	No	No
6478	TraesCS2A03G0784700	0.72468	0.77646	Down	Down
6479	TraesCS2A03G0784800	1.09556	0.45915	Up	Down
6480	TraesCS2A03G0785000	0.90694	1.03677	No	No
6481	TraesCS2A03G0785100	0.64226	4.39646	Down	Up
6482	TraesCS2A03G0785200	1.19615	3.70355	Up	Up
6483	TraesCS2A03G0785800	0.72026	1.62963	No	No
6484	TraesCS2A03G0785900	0.26858	6.50788	Down	Up
6485	TraesCS2A03G0786100	0.59249	2.50277	Down	Up
6487	TraesCS2A03G0786700	0.98292	0.95201	Down	Down
6488	TraesCS2A03G0786900	0.99759	1.64087	No	No
6489	TraesCS2A03G0787100	0.74987	3.3593	Down	Up
6490	TraesCS2A03G0787400	1.95494	0.55638	No	No
6491	TraesCS2A03G0787900	2.04101	2.08815	UP	UP
6492	TraesCS2A03G0788600	1.02138	1.09706	UP	UP
6493	TraesCS2A03G0789100	0.92456	0.95039	Down	Down
6495	TraesCS2A03G0793700	0.74455	2.46937	Down	Up
6496	TraesCS2A03G0793800	1.2894	0.57916	No	No
6497	TraesCS2A03G0794000	0.96683	1.54245	No	No
6500	TraesCS2A03G0796800	0.62189	0.91142	Down	Down
6501	TraesCS2A03G0798000	2.50497	1.00293	Up	Up
6502	TraesCS2A03G0798500	0.73003	0.7919	Down	Down
6503	TraesCS2A03G0798700	0.84316	1.86341	No	No
6504	TraesCS2A03G0799000	0.69726	1.61039	No	No
6505	TraesCS2A03G0800200	0.643	0.13075	Down	Down
6506	TraesCS2A03G0800300	1.13867	1.86068	UP	UP
6508	TraesCS2A03G0800600	1.25018	2.28512	Up	Up
6509	TraesCS2A03G0801100	1.88399	2.23138	UP	UP
6510	TraesCS2A03G0801300	0.8599	4.46554	Down	Up
6511	TraesCS2A03G0801400	0.9708	1.23515	No	No
6512	TraesCS2A03G0802500	0.88283	9.2941	Down	Up
6513	TraesCS2A03G0803600	0.96075	0.52246	Down	Down
6514	TraesCS2A03G0804000	0.78829	0.22951	Down	Down
6517	TraesCS2A03G0804400	0.91886	1.01254	No	No
6518	TraesCS2A03G0805000	0.61549	1.57094	No	No
6520	TraesCS2A03G0805500	0.62193	0.41246	Down	Down
6521	TraesCS2A03G0805700	0.60071	2.0582	Down	Up
6522	TraesCS2A03G0807700	1.09308	1.76865	UP	UP
6523	TraesCS2A03G0807900	0.44189	2.87048	Down	Up
6524	TraesCS2A03G0808300	0.93366	0.52053	Down	Down
6525	TraesCS2A03G0808400	1.23599	0.79519	No	No
6526	TraesCS2A03G0809100	0.92453	0.3344	Down	Down
6527	TraesCS2A03G0809500	0.70112	1.79278	No	No
6528	TraesCS2A03G0809600	1.30107	1.31861	UP	UP
6529	TraesCS2A03G0809700	0.46219	0.94732	Down	Down

6530	TraesCS2A03G0810300	0.94954	0.42546	Down	Down
6531	TraesCS2A03G0810600	0.5049	3.39173	Down	Up
6532	TraesCS2A03G0810700	1.26845	1.20306	UP	UP
6534	TraesCS2A03G0811000	0.99606	0.63507	Down	Down
6535	TraesCS2A03G0811100	0.8008	2.82367	Down	Up
6536	TraesCS2A03G0811300	0.90125	2.49533	Down	Up
6537	TraesCS2A03G0811600	0.79877	0.94627	Down	Down
6539	TraesCS2A03G0812300	0.70154	1.08032	No	No
6540	TraesCS2A03G0812900	1.3114	0.97375	No	No
6541	TraesCS2A03G0813400	1.05471	0.861	No	No
6542	TraesCS2A03G0813500	1.15535	0.54294	No	No
6543	TraesCS2A03G0815300	0.7734	0.4801	Down	Down
6544	TraesCS2A03G0816300	0.35846	5.44444	Down	Up
6545	TraesCS2A03G0816500	0.32185	4.94288	Down	Up
6546	TraesCS2A03G0817000	0.33146	27.2011	Down	Up
6547	TraesCS2A03G0818300	0.95185	0.97886	Down	Down
6548	TraesCS2A03G0818400	1.37403	0.51982	No	No
6549	TraesCS2A03G0818500	0.68669	1.00586	No	No
6550	TraesCS2A03G0818700	0.70491	1.41586	No	No
6551	TraesCS2A03G0819300	0.84829	1.2656	No	No
6552	TraesCS2A03G0819400	1.2096	1.10313	UP	UP
6553	TraesCS2A03G0820500	1.04059	0.16708	Up	Down
6555	TraesCS2A03G0821700	1.26834	1.07228	UP	UP
6556	TraesCS2A03G0821800	0.86894	0.84529	Down	Down
6558	TraesCS2A03G0824400	0.82356	0.30867	Down	Down
6559	TraesCS2A03G0824700	0.796	1.64429	No	No
6560	TraesCS2A03G0826600	1.14857	0.55953	No	No
6561	TraesCS2A03G0826800	0.43356	1.17648	Down	Up
6563	TraesCS2A03G0827800	0.96288	1.4129	No	No
6564	TraesCS2A03G0828000	0.83153	0.5495	Down	Down
6565	TraesCS2A03G0829500	0.91718	1.61373	No	No
6566	TraesCS2A03G0829600	26.0836	0.49145	Up	Down
6567	TraesCS2A03G0830700	0.67685	2.6032	Down	Up
6568	TraesCS2A03G0830700	0.53782	0.60158	Down	Down
6569	TraesCS2A03G0830900	1.02877	0.95339	No	No
6570	TraesCS2A03G0831200	0.75182	1.24545	No	No
6572	TraesCS2A03G0831700	0.98992	1.3252	No	No
6573	TraesCS2A03G0831700	0.86893	1.21616	No	No
6574	TraesCS2A03G0832500	1.17097	0.6045	No	No
6575	TraesCS2A03G0832800	1.00307	0.85998	No	No
6576	TraesCS2A03G0833100	1.30722	0.30812	Up	Down
6577	TraesCS2A03G0833600	1.28735	0.36734	Up	Down
6579	TraesCS2A03G0835000	1.278	1.33352	UP	UP
6580	TraesCS2A03G0835300	1.01414	0.99721	No	No
6581	TraesCS2A03G0835500	0.82063	0.84289	Down	Down
6582	TraesCS2A03G0836200	0.92066	0.76468	Down	Down
6583	TraesCS2A03G0836300	0.83009	2.20396	Down	Up
6584	TraesCS2A03G0837200	2.62582	0.28814	Up	Down
6585	TraesCS2A03G0837300	0.97822	0.91921	Down	Down
6586	TraesCS2A03G0837300	6.10856	1.87887	Up	Up
6587	TraesCS2A03G0837700	1.59436	0.64335	No	No
6588	TraesCS2A03G0839200	1.2454	0.89291	No	No

6589	TraesCS2A03G0840400	1.04629	1.14718	UP	UP
6590	TraesCS2A03G0840500	0.88451	0.84925	Down	Down
6591	TraesCS2A03G0840600	1.01307	1.86876	UP	UP
6592	TraesCS2A03G0841200	0.91206	0.82134	Down	Down
6593	TraesCS2A03G0842400	1.10744	2.50806	Up	Up
6594	TraesCS2A03G0843300	0.93266	1.38062	No	No
6595	TraesCS2A03G0843400	1.25667	0.68902	No	No
6596	TraesCS2A03G0843700	0.98759	0.33188	Down	Down
6600	TraesCS2A03G0846800	0.78332	1.14484	No	No
6601	TraesCS2A03G0847400	0.51811	3.72261	Down	Up
6602	TraesCS2A03G0847600	0.56573	10.9005	Down	Up
6603	TraesCS2A03G0847700	0.82135	2.13226	Down	Up
6604	TraesCS2A03G0847800	0.80703	1.72281	No	No
6605	TraesCS2A03G0847900	0.75908	0.63324	Down	Down
6606	TraesCS2A03G0848200	1.10557	0.91661	No	No
6607	TraesCS2A03G0848200	1.06075	1.10583	UP	UP
6608	TraesCS2A03G0848700	0.9663	0.91592	Down	Down
6609	TraesCS2A03G0849800	0.67016	0.39875	Down	Down
6610	TraesCS2A03G0850400	0.99508	0.54218	Down	Down
6611	TraesCS2A03G0850600	1.1302	1.66249	UP	UP
6612	TraesCS2A03G0851100	1.09427	1.93448	UP	UP
6613	TraesCS2A03G0851400	0.67559	1.8656	No	No
6614	TraesCS2A03G0851600	0.65748	2.03059	Down	Up
6615	TraesCS2A03G0851700	0.79197	2.84692	Down	Up
6616	TraesCS2A03G0852000	0.87972	0.41523	Down	Down
6617	TraesCS2A03G0852800	0.98633	0.09453	Down	Down
6618	TraesCS2A03G0854200	1.09463	1.50426	UP	UP
6619	TraesCS2A03G0854400	1.22586	1.54276	UP	UP
6620	TraesCS2A03G0854700	1.47911	0.875	No	No
6622	TraesCS2A03G0855900	1.14665	1.5722	UP	UP
6623	TraesCS2A03G0856100	0.90938	1.31408	No	No
6624	TraesCS2A03G0856200	0.81785	1.29129	No	No
6625	TraesCS2A03G0857100	0.78429	0.93845	Down	Down
6626	TraesCS2A03G0857500	0.24971	12.0465	Down	Up
6627	TraesCS2A03G0857600	0.47872	11.804	Down	Up
6628	TraesCS2A03G0857700	0.67488	4.77025	Down	Up
6629	TraesCS2A03G0857800	1.18995	0.6265	No	No
6631	TraesCS2A03G0860500	1.25236	1.13451	UP	UP
6632	TraesCS2A03G0861000	0.97779	0.65545	Down	Down
6633	TraesCS2A03G0861300	1.08606	0.55133	No	No
6634	TraesCS2A03G0861400	0.62788	0.89406	Down	Down
6635	TraesCS2A03G0861500	0.87538	2.17257	Down	Up
6636	TraesCS2A03G0861600	1.24497	1.19642	UP	UP
6637	TraesCS2A03G0862200	0.81543	3.44743	Down	Up
6638	TraesCS2A03G0862800	0.93811	1.3569	No	No
6639	TraesCS2A03G0862900	0.61496	0.98269	Down	Down
6640	TraesCS2A03G0863200	0.8473	2.20348	Down	Up
6641	TraesCS2A03G0863500	1.36017	1.34209	UP	UP
6642	TraesCS2A03G0863600	1.07328	0.8534	No	No
6643	TraesCS2A03G0864000	1.1222	0.72673	No	No
6644	TraesCS2A03G0864500	1.00757	0.51579	No	No
6645	TraesCS2A03G0864600	0.69541	1.28125	No	No

6646	TraesCS2A03G0865300	0.69305	1.48013	No	No
6647	TraesCS2A03G0868600	0.5711	0.86911	Down	Down
6648	TraesCS2A03G0868800	0.88434	1.07375	No	No
6649	TraesCS2A03G0869700	1.41396	0.74211	No	No
6650	TraesCS2A03G0870100	0.99435	0.43983	Down	Down
6651	TraesCS2A03G0870100	1.74107	1.16125	UP	UP
6653	TraesCS2A03G0871600	0.60069	2.66744	Down	Up
6654	TraesCS2A03G0871700	0.97117	0.90044	Down	Down
6655	TraesCS2A03G0871800	1.12343	1.98948	UP	UP
6657	TraesCS2A03G0873100	0.89884	3.25137	Down	Up
6658	TraesCS2A03G0873800	1.14204	0.35462	Up	Down
6659	TraesCS2A03G0873900	2.08223	0.52695	Up	Down
6660	TraesCS2A03G0874000	1.00809	1.34596	UP	UP
6661	TraesCS2A03G0874100	1.20055	0.5445	No	No
6663	TraesCS2A03G0874300	0.6352	5.96521	Down	Up
6664	TraesCS2A03G0874400	1.61908	1.23299	UP	UP
6665	TraesCS2A03G0874500	0.75146	2.01573	Down	Up
6666	TraesCS2A03G0874800	1.1559	0.53496	No	No
6667	TraesCS2A03G0875900	1.05828	0.62355	No	No
6668	TraesCS2A03G0876000	0.96744	1.52653	No	No
6669	TraesCS2A03G0876100	0.94418	1.24267	No	No
6670	TraesCS2A03G0876600	0.8015	1.49659	No	No
6671	TraesCS2A03G0876800	1.32962	0.56095	No	No
6672	TraesCS2A03G0877400	0.69987	1.38653	No	No
6673	TraesCS2A03G0877900	0.73712	1.45194	No	No
6674	TraesCS2A03G0881400	0.65473	1.72207	No	No
6675	TraesCS2A03G0885500	0.88036	0.29361	Down	Down
6676	TraesCS2A03G0886200	1.06821	1.14283	UP	UP
6677	TraesCS2A03G0886700	1.4337	1.14518	UP	UP
6678	TraesCS2A03G0887900	0.80937	1.87226	No	No
6679	TraesCS2A03G0888400	0.98583	0.99991	Down	Down
6680	TraesCS2A03G0888500	1.05744	1.38058	UP	UP
6681	TraesCS2A03G0889300	2.07256	1.10494	Up	Up
6682	TraesCS2A03G0890000	1.1705	0.54626	No	No
6683	TraesCS2A03G0890200	0.93503	1.53278	No	No
6684	TraesCS2A03G0890300	0.74544	0.98553	Down	Down
6685	TraesCS2A03G0890400	1.27003	1.5735	UP	UP
6686	TraesCS2A03G0890700	0.74008	0.73824	Down	Down
6687	TraesCS2A03G0891700	1.1078	1.18829	UP	UP
6688	TraesCS2A03G0892400	1.36002	1.0195	UP	UP
6689	TraesCS2A03G0892700	1.15884	1.20388	UP	UP
6694	TraesCS2A03G0893200	1.30217	0.72421	No	No
6696	TraesCS2A03G0893700	0.9716	0.75661	Down	Down
6697	TraesCS2A03G0894700	1.07076	0.66911	No	No
6698	TraesCS2A03G0895100	0.93819	1.81935	No	No
6699	TraesCS2A03G0896400	4.75914	0.18251	Up	Down
6700	TraesCS2A03G0897600	1.51037	1.6161	UP	UP
6701	TraesCS2A03G0897700	1.32067	0.32232	Up	Down
6702	TraesCS2A03G0897800	0.99363	1.08539	No	No
6703	TraesCS2A03G0897900	1.04365	2.28448	Up	Up
6704	TraesCS2A03G0897900	0.96351	0.7929	Down	Down
6705	TraesCS2A03G0898000	0.95788	1.41151	No	No

6706	TraesCS2A03G0898200	2.0861	0.61952	Up	Down
6707	TraesCS2A03G0898600	1.02628	0.86303	No	No
6708	TraesCS2A03G0899900	1.21222	0.71387	No	No
6710	TraesCS2A03G0900500	0.93237	0.97668	Down	Down
6711	TraesCS2A03G0900600	1.36588	0.3717	Up	Down
6712	TraesCS2A03G0900800	0.79686	0.7144	Down	Down
6713	TraesCS2A03G0900800	1.5586	1.13303	UP	UP
6715	TraesCS2A03G0901300	1.18442	1.11845	UP	UP
6716	TraesCS2A03G0903600	0.90224	0.753	Down	Down
6717	TraesCS2A03G0904000	1.07496	1.62342	UP	UP
6718	TraesCS2A03G0904100	1.51509	1.87208	UP	UP
6719	TraesCS2A03G0904300	1.10573	1.39265	UP	UP
6720	TraesCS2A03G0904700	0.30176	3.49819	Down	Up
6721	TraesCS2A03G0904900	1.02189	1.63888	UP	UP
6723	TraesCS2A03G0905400	0.97119	0.61524	Down	Down
6724	TraesCS2A03G0905600	1.66797	0.36126	Up	Down
6725	TraesCS2A03G0905800	1.68973	0.71135	No	No
6726	TraesCS2A03G0906000	1.20743	0.48384	Up	Down
6728	TraesCS2A03G0906200	1.15661	1.65333	UP	UP
6729	TraesCS2A03G0906300	1.25474	0.86273	No	No
6731	TraesCS2A03G0907000	1.46394	1.31924	UP	UP
6732	TraesCS2A03G0907400	1.06465	1.52372	UP	UP
6734	TraesCS2A03G0909400	0.97512	0.6704	Down	Down
6735	TraesCS2A03G0909400	1.27699	0.79061	No	No
6736	TraesCS2A03G0909600	1.35368	1.33867	UP	UP
6737	TraesCS2A03G0909800	0.85981	0.79856	Down	Down
6738	TraesCS2A03G0909900	0.99535	3.92306	Down	Up
6739	TraesCS2A03G0910000	1.0171	1.28167	UP	UP
6740	TraesCS2A03G0912400	1.29956	0.7028	No	No
6742	TraesCS2A03G0913800	0.65546	0.71153	Down	Down
6743	TraesCS2A03G0913800	1.06492	0.9238	No	No
6744	TraesCS2A03G0915000	0.89795	0.8077	Down	Down
6745	TraesCS2A03G0915200	0.84578	1.62965	No	No
6746	TraesCS2A03G0916500	1.21898	1.52478	UP	UP
6748	TraesCS2A03G0917300	0.57437	0.54449	Down	Down
6749	TraesCS2A03G0917900	1.06364	0.8306	No	No
6750	TraesCS2A03G0918200	0.80024	0.18189	Down	Down
6751	TraesCS2A03G0918400	1.67155	2.77435	Up	Up
6752	TraesCS2A03G0919600	0.9043	1.0852	No	No
6753	TraesCS2A03G0920100	1.22446	3.11234	Up	Up
6754	TraesCS2A03G0920200	1.57177	0.33246	Up	Down
6755	TraesCS2A03G0920300	1.4498	1.45416	UP	UP
6756	TraesCS2A03G0920600	1.23825	0.12852	Up	Down
6757	TraesCS2A03G0921000	0.83177	1.17121	No	No
6758	TraesCS2A03G0921100	0.95849	0.40942	Down	Down
6759	TraesCS2A03G0921300	1.17802	0.74022	No	No
6760	TraesCS2A03G0921500	1.64601	0.98133	No	No
6761	TraesCS2A03G0922400	0.93953	4.17081	Down	Up
6762	TraesCS2A03G0922700	0.44183	3.26966	Down	Up
6763	TraesCS2A03G0924300	3.4711	0.15259	Up	Down
6764	TraesCS2A03G0924500	1.07654	1.62919	UP	UP
6765	TraesCS2A03G0924600	0.92567	1.25256	No	No

6766	TraesCS2A03G0924800	1.45411	2.76459	Up	Up
6767	TraesCS2A03G0925200	0.23461	1.9072	Down	Up
6768	TraesCS2A03G0926300	1.34883	6.82071	Up	Up
6769	TraesCS2A03G0926800	0.54537	0.83986	Down	Down
6770	TraesCS2A03G0927200	0.39062	2.57952	Down	Up
6771	TraesCS2A03G0928000	0.65773	1.29192	No	No
6772	TraesCS2A03G0928800	0.59645	1.03425	No	No
6773	TraesCS2A03G0930200	0.93126	0.2093	Down	Down
6774	TraesCS2A03G0930300	0.85494	0.26552	Down	Down
6775	TraesCS2A03G0930400	1.01825	1.96586	UP	UP
6776	TraesCS2A03G0931200	1.26712	0.6331	No	No
6777	TraesCS2A03G0932000	1.2392	1.23317	UP	UP
6778	TraesCS2A03G0932900	1.03925	1.26009	UP	UP
6779	TraesCS2A03G0933600	0.63387	1.84032	No	No
6780	TraesCS2A03G0934600	1.1098	1.43455	UP	UP
6781	TraesCS2A03G0935300	1.07425	0.48643	Up	Down
6782	TraesCS2A03G0935700	1.16867	1.053	UP	UP
6783	TraesCS2A03G0936400	1.04661	0.51288	No	No
6784	TraesCS2A03G0937100	1.02485	1.84529	UP	UP
6785	TraesCS2A03G0937700	0.80676	1.3786	No	No
6786	TraesCS2A03G0938300	0.95987	2.27469	Down	Up
6787	TraesCS2A03G0938500	2.43218	2.40118	UP	UP
6788	TraesCS2A03G0939300	1.06827	0.67211	No	No
6789	TraesCS2A03G0939700	0.89572	0.86789	Down	Down
6790	TraesCS2A03G0940300	0.89231	1.04367	No	No
6791	TraesCS2A03G0940500	0.67814	0.35171	Down	Down
6792	TraesCS2A03G0940600	2.11173	1.28293	Up	Up
6793	TraesCS2A03G0941200	0.87458	1.70377	No	No
6794	TraesCS2A03G0941300	1.40161	1.63527	UP	UP
6796	TraesCS2A03G0941800	0.93305	0.6381	Down	Down
6797	TraesCS2A03G0941900	0.97364	0.78497	Down	Down
6799	TraesCS2A03G0943000	0.9927	1.31293	No	No
6800	TraesCS2A03G0943600	0.87947	1.7855	No	No
6801	TraesCS2A03G0943700	1.06708	1.48586	UP	UP
6802	TraesCS2A03G0944000	1.42003	0.95984	No	No
6803	TraesCS2A03G0944700	1.0517	1.9275	UP	UP
6804	TraesCS2A03G0945200	0.81967	0.35571	Down	Down
6805	TraesCS2A03G0945300	1.17682	1.08154	UP	UP
6806	TraesCS2A03G0945500	0.95326	1.39893	No	No
6807	TraesCS2A03G0946100	1.63891	0.59012	No	No
6808	TraesCS2A03G0946200	0.95942	0.74771	Down	Down
6809	TraesCS2A03G0947200	0.64393	0.77261	Down	Down
6810	TraesCS2A03G0947900	0.53484	1.23783	No	No
6811	TraesCS2A03G0948800	0.99216	1.26839	No	No
6814	TraesCS2A03G0950500	0.51429	2.08872	Down	Up
6815	TraesCS2A03G0950700	0.26087	5.41937	Down	Up
6817	TraesCS2A03G0951500	0.74168	1.0109	No	No
6818	TraesCS2A03G0951700	0.72568	0.92828	Down	Down
6819	TraesCS2A03G0953400	0.90809	1.29676	No	No
6820	TraesCS2A03G0953900	0.92688	0.85975	Down	Down
6821	TraesCS2A03G0954300	1.31178	0.06812	Up	Down
6823	TraesCS2A03G0955900	1.16125	1.002	UP	UP

6824	TraesCS2A03G0956000	1.28051	1.29622	UP	UP
6825	TraesCS2A03G0956400	1.5357	3.61847	Up	Up
6826	TraesCS2A03G0956500	0.91119	0.27583	Down	Down
6827	TraesCS2A03G0956700	1.2749	1.18818	UP	UP
6828	TraesCS2A03G0957600	1.22118	0.30773	Up	Down
6829	TraesCS2A03G0957600	1.71212	0.44142	Up	Down
6830	TraesCS2A03G0957900	0.85355	0.69766	Down	Down
6831	TraesCS2A03G0958100	1.15495	1.15969	UP	UP
6832	TraesCS2A03G0959500	1.18408	0.89556	No	No
6833	TraesCS2A03G0960000	0.49421	4.20508	Down	Up
6835	TraesCS2A03G0960700	0.84591	1.49652	No	No
6836	TraesCS2A03G0961600	0.66945	0.98236	Down	Down
6837	TraesCS2A03G0961800	1.63232	0.24646	Up	Down
6838	TraesCS2A03G0962200	1.10488	0.94098	No	No
6839	TraesCS2A03G0963500	1.24707	1.25415	UP	UP
6840	TraesCS2A03G0963600	0.68682	8.11354	Down	Up
6841	TraesCS2A03G0964100	0.90372	1.51495	No	No
6842	TraesCS2A03G0964200	0.848	1.79576	No	No
6843	TraesCS2A03G0964300	0.92559	1.60504	No	No
6844	TraesCS2A03G0964900	0.77825	0.30192	Down	Down
6846	TraesCS2A03G0966600	1.20642	1.27444	UP	UP
6847	TraesCS2A03G0966900	0.66752	1.13427	No	No
6848	TraesCS2A03G0968300	0.98522	2.127	Down	Up
6849	TraesCS2A03G0969800	0.51853	0.8367	Down	Down
6851	TraesCS2A03G0970700	0.61783	0.95129	Down	Down
6852	TraesCS2A03G0970900	0.8669	0.55159	Down	Down
6853	TraesCS2A03G0971500	0.60935	0.65267	Down	Down
6854	TraesCS2A03G0971600	0.91845	2.18244	Down	Up
6855	TraesCS2A03G0972500	1.17666	3.05502	Up	Up
6856	TraesCS2A03G0972800	1.06811	0.47144	Up	Down
6857	TraesCS2A03G0973300	1.2029	2.23956	Up	Up
6858	TraesCS2A03G0975400	1.25051	0.82704	No	No
6859	TraesCS2A03G0975400	1.28523	0.99134	No	No
6860	TraesCS2A03G0976100	0.78147	1.01181	No	No
6861	TraesCS2A03G0976400	0.69849	1.44581	No	No
6862	TraesCS2A03G0976800	1.25416	5.22163	Up	Up
6863	TraesCS2A03G0977000	1.16796	0.75686	No	No
6864	TraesCS2A03G0978700	0.8262	0.97584	Down	Down
6866	TraesCS2A03G0979000	1.16104	0.23406	Up	Down
6868	TraesCS2A03G0980400	1.08884	1.55277	UP	UP
6869	TraesCS2A03G0980700	0.76771	1.28076	No	No
6871	TraesCS2A03G0981800	1.20859	0.78762	No	No
6872	TraesCS2A03G0982100	0.41264	0.20326	Down	Down
6873	TraesCS2A03G0982400	0.72054	1.98467	No	No
6874	TraesCS2A03G0982400	0.84681	0.36617	Down	Down
6876	TraesCS2A03G0983500	1.04954	0.3168	Up	Down
6877	TraesCS2A03G0983700	1.44067	0.64792	No	No
6878	TraesCS2A03G0984100	1.5296	0.3476	Up	Down
6880	TraesCS2A03G0985100	1.13609	0.82666	No	No
6881	TraesCS2A03G0985400	1.0118	2.37927	Up	Up
6882	TraesCS2A03G0985700	1.00475	1.21379	UP	UP
6883	TraesCS2A03G0989400	0.80812	1.98693	No	No

6884	TraesCS2A03G0990200	1.00326	1.31291	UP	UP
6885	TraesCS2A03G0990300	0.90681	0.66067	Down	Down
6886	TraesCS2A03G0991500	1.04427	0.40396	Up	Down
6887	TraesCS2A03G0993500	1.74491	0.72938	No	No
6888	TraesCS2A03G0993700	0.81389	1.7002	No	No
6889	TraesCS2A03G0995300	0.7244	1.57827	No	No
6890	TraesCS2A03G0997100	0.73537	1.12764	No	No
6891	TraesCS2A03G0997300	1.49367	1.21225	UP	UP
6892	TraesCS2A03G0997700	1.05206	0.59867	No	No
6894	TraesCS2A03G0999000	2.52462	1.96125	Up	Up
6895	TraesCS2A03G1000100	0.99812	1.47816	No	No
6896	TraesCS2A03G1000800	1.43182	1.41947	UP	UP
6897	TraesCS2A03G1000900	0.94601	1.94733	No	No
6898	TraesCS2A03G1001700	1.28887	0.50639	No	No
6899	TraesCS2A03G1002800	0.76334	2.0445	Down	Up
6900	TraesCS2A03G1002900	1.0063	2.89597	Up	Up
6902	TraesCS2A03G1003600	0.996	0.7373	Down	Down
6903	TraesCS2A03G1003600	0.60003	0.98502	Down	Down
6904	TraesCS2A03G1004600	0.81021	1.75269	No	No
6905	TraesCS2A03G1004700	1.00754	0.72667	No	No
6907	TraesCS2A03G1005800	1.2196	0.27656	Up	Down
6908	TraesCS2A03G1006200	1.23709	0.92744	No	No
6909	TraesCS2A03G1006800	1.43208	0.47636	Up	Down
6910	TraesCS2A03G1007000	1.03765	1.35767	UP	UP
6911	TraesCS2A03G1007500	0.45231	8.0562	Down	Up
6913	TraesCS2A03G1009500	1.13157	0.9993	No	No
6914	TraesCS2A03G1009600	0.91147	0.34943	Down	Down
6917	TraesCS2A03G1012300	1.15837	1.00186	UP	UP
6918	TraesCS2A03G1012400	1.05243	0.92521	No	No
6920	TraesCS2A03G1012600	1.12482	1.59627	UP	UP
6921	TraesCS2A03G1012700	1.0531	0.59607	No	No
6922	TraesCS2A03G1013600	0.81584	0.97568	Down	Down
6923	TraesCS2A03G1014100	0.72706	3.17871	Down	Up
6925	TraesCS2A03G1014500	0.84215	1.87988	No	No
6926	TraesCS2A03G1015600	1.2892	0.74406	No	No
6927	TraesCS2A03G1015800	0.97548	4.63775	Down	Up
6928	TraesCS2A03G1015900	0.29651	8.58671	Down	Up
6929	TraesCS2A03G1016100	0.57002	0.62403	Down	Down
6931	TraesCS2A03G1018300	0.83943	0.85453	Down	Down
6932	TraesCS2A03G1019000	0.81628	0.4689	Down	Down
6933	TraesCS2A03G1019200	0.8668	8.79576	Down	Up
6934	TraesCS2A03G1020500	0.98342	1.09008	No	No
6935	TraesCS2A03G1020600	0.93563	15.2042	Down	Up
6936	TraesCS2A03G1020600	0.49655	2.99451	Down	Up
6937	TraesCS2A03G1020700	1.24974	3.72647	Up	Up
6938	TraesCS2A03G1020700	0.83434	2.43135	Down	Up
6939	TraesCS2A03G1024200	1.08139	0.86668	No	No
6940	TraesCS2A03G1025100	0.86065	1.62878	No	No
6941	TraesCS2A03G1026600	0.56468	4.87573	Down	Up
6942	TraesCS2A03G1026700	0.87953	0.51442	Down	Down
6943	TraesCS2A03G1026900	1.21222	1.00562	UP	UP
6944	TraesCS2A03G1027900	0.89274	0.81362	Down	Down

6945	TraesCS2A03G1028500	1.28896	1.79002	UP	UP
6946	TraesCS2A03G1028600	1.42521	1.6791	UP	UP
6947	TraesCS2A03G1029200	0.69143	2.07582	Down	Up
6948	TraesCS2A03G1030400	0.79927	1.47094	No	No
6949	TraesCS2A03G1030900	1.1536	0.51854	No	No
6950	TraesCS2A03G1031400	0.8405	0.39142	Down	Down
6951	TraesCS2A03G1031600	0.6611	2.51526	Down	Up
6952	TraesCS2A03G1032600	62.2063	0.37143	Up	Down
6953	TraesCS2A03G1033900	1.3882	0.91652	No	No
6954	TraesCS2A03G1034300	0.92401	0.26262	Down	Down
6958	TraesCS2A03G1037000	1.14603	0.74653	No	No
6959	TraesCS2A03G1037200	0.91796	4.11522	Down	Up
6960	TraesCS2A03G1037400	0.6367	0.83397	Down	Down
6961	TraesCS2A03G1038600	1.20747	1.39813	UP	UP
6962	TraesCS2A03G1038700	1.15104	1.94428	UP	UP
6963	TraesCS2A03G1039100	1.24238	0.85232	No	No
6964	TraesCS2A03G1039200	1.28399	0.48495	Up	Down
6966	TraesCS2A03G1039500	0.725	0.93514	Down	Down
6967	TraesCS2A03G1039700	0.71274	1.657	No	No
6968	TraesCS2A03G1039800	1.1998	0.8163	No	No
6969	TraesCS2A03G1039900	0.89763	0.19465	Down	Down
6970	TraesCS2A03G1040300	1.12081	1.0049	UP	UP
6971	TraesCS2A03G1040600	1.10408	0.50697	No	No
6972	TraesCS2A03G1040800	1.75327	4.10443	Up	Up
6973	TraesCS2A03G1041400	0.90392	1.71225	No	No
6974	TraesCS2A03G1041500	1.59256	0.9987	No	No
6975	TraesCS2A03G1042100	1.22169	1.4381	UP	UP
6977	TraesCS2A03G1043400	0.58555	2.19355	Down	Up
6978	TraesCS2A03G1044300	1.14975	1.3017	UP	UP
6979	TraesCS2A03G1044400	0.89223	1.55955	No	No
6980	TraesCS2A03G1045300	0.52885	5.85475	Down	Up
6981	TraesCS2A03G1045400	0.79395	1.25948	No	No
6982	TraesCS2A03G1046100	0.92726	0.81374	Down	Down
6983	TraesCS2A03G1046200	0.87835	0.32809	Down	Down
6984	TraesCS2A03G1046900	1.02107	1.18657	UP	UP
6986	TraesCS2A03G1050000	1.00254	1.20994	UP	UP
6987	TraesCS2A03G1050600	0.82365	1.5487	No	No
6988	TraesCS2A03G1050800	1.09046	2.22861	Up	Up
6989	TraesCS2A03G1050900	0.64979	5.55477	Down	Up
6990	TraesCS2A03G1051300	0.67508	1.52957	No	No
6991	TraesCS2A03G1051400	1.13772	0.367	Up	Down
6992	TraesCS2A03G1051800	1.60407	0.40837	Up	Down
6993	TraesCS2A03G1052300	0.96409	2.1824	Down	Up
6995	TraesCS2A03G1053000	0.93846	1.32895	No	No
6997	TraesCS2A03G1053800	1.57615	0.32338	Up	Down
6998	TraesCS2A03G1057800	1.05594	1.41005	UP	UP
6999	TraesCS2A03G1057900	1.33739	0.41216	Up	Down
7000	TraesCS2A03G1058100	1.34247	0.32163	Up	Down
7002	TraesCS2A03G1060400	1.2401	2.93856	Up	Up
7003	TraesCS2A03G1060500	1.0283	1.30521	UP	UP
7004	TraesCS2A03G1061700	1.13103	1.16404	UP	UP
7005	TraesCS2A03G1061900	0.91702	0.5625	Down	Down

7006	TraesCS2A03G1064300	1.07209	0.49324	Up	Down
7008	TraesCS2A03G1065300	0.93049	2.11882	Down	Up
7009	TraesCS2A03G1065900	1.05716	3.60709	Up	Up
7010	TraesCS2A03G1066500	1.1833	2.10017	Up	Up
7011	TraesCS2A03G1066600	0.75034	3.53382	Down	Up
7012	TraesCS2A03G1067700	0.83396	0.49339	Down	Down
7013	TraesCS2A03G1068000	0.7323	0.87037	Down	Down
7014	TraesCS2A03G1069300	0.78458	1.38826	No	No
7015	TraesCS2A03G1070600	1.63398	0.58993	No	No
7016	TraesCS2A03G1072400	0.31854	1.83665	Down	Up
7017	TraesCS2A03G1073000	0.5534	0.74875	Down	Down
7018	TraesCS2A03G1073100	0.62302	0.77736	Down	Down
7019	TraesCS2A03G1073200	0.99377	1.4115	No	No
7021	TraesCS2A03G1074800	0.63539	1.18187	No	No
7023	TraesCS2A03G1075300	0.89415	0.87173	Down	Down
7024	TraesCS2A03G1075600	0.74019	1.57391	No	No
7025	TraesCS2A03G1075700	1.13751	0.46134	Up	Down
7026	TraesCS2A03G1075900	0.68993	0.63106	Down	Down
7028	TraesCS2A03G1077400	1.30747	0.94846	No	No
7029	TraesCS2A03G1077500	1.21807	0.87812	No	No
7030	TraesCS2A03G1077600	0.74754	1.88032	No	No
7031	TraesCS2A03G1077800	0.70921	2.51572	Down	Up
7032	TraesCS2A03G1077900	0.77451	2.585	Down	Up
7033	TraesCS2A03G1077900	1.49783	1.06833	UP	UP
7034	TraesCS2A03G1078800	1.44152	1.18632	UP	UP
7036	TraesCS2A03G1080000	1.01241	0.88389	No	No
7037	TraesCS2A03G1080100	0.7582	1.20833	No	No
7038	TraesCS2A03G1080700	1.15791	1.01136	UP	UP
7039	TraesCS2A03G1080800	0.82312	1.12676	No	No
7040	TraesCS2A03G1081100	1.40149	1.78792	UP	UP
7041	TraesCS2A03G1082800	1.13452	2.07953	Up	Up
7042	TraesCS2A03G1084200	0.74842	0.59677	Down	Down
7043	TraesCS2A03G1084800	0.67818	1.03269	No	No
7044	TraesCS2A03G1084900	1.15252	0.58909	No	No
7045	TraesCS2A03G1085200	0.95332	1.01687	No	No
7046	TraesCS2A03G1085900	0.62305	7.9723	Down	Up
7047	TraesCS2A03G1088100	0.94621	1.67312	No	No
7048	TraesCS2A03G1090000	0.9523	1.33914	No	No
7049	TraesCS2A03G1090800	0.79748	1.44605	No	No
7050	TraesCS2A03G1092300	1.2283	0.71476	No	No
7051	TraesCS2A03G1092800	0.95562	1.03661	No	No
7052	TraesCS2A03G1093000	1.40439	0.59194	No	No
7053	TraesCS2A03G1093100	0.96592	0.90746	Down	Down
7054	TraesCS2A03G1093400	0.75499	1.2136	No	No
7055	TraesCS2A03G1094300	0.9944	0.74829	Down	Down
7056	TraesCS2A03G1094400	1.25957	1.11546	UP	UP
7057	TraesCS2A03G1095300	0.98951	1.49257	No	No
7058	TraesCS2A03G1098400	1.0725	0.72036	No	No
7059	TraesCS2A03G1098600	0.5251	2.66363	Down	Up
7060	TraesCS2A03G1098700	0.48827	4.40009	Down	Up
7063	TraesCS2A03G1099400	1.21184	0.57653	No	No
7064	TraesCS2A03G1099800	1.01654	1.17539	UP	UP

7065	TraesCS2A03G1100600	0.94957	1.72168	No	No
7066	TraesCS2A03G1100700	1.0601	0.35714	Up	Down
7067	TraesCS2A03G1101500	0.81358	1.1625	No	No
7068	TraesCS2A03G1102200	0.71744	1.16708	No	No
7069	TraesCS2A03G1102300	1.06059	0.26392	Up	Down
7070	TraesCS2A03G1102800	0.91077	1.34924	No	No
7071	TraesCS2A03G1107600	0.97509	1.67593	No	No
7072	TraesCS2A03G1108900	1.18461	0.92899	No	No
7073	TraesCS2A03G1110900	0.86254	1.2744	No	No
7074	TraesCS2A03G1112900	1.2196	1.26579	UP	UP
7075	TraesCS2A03G1113000	0.85808	0.72917	Down	Down
7076	TraesCS2A03G1114400	1.3389	1.18393	UP	UP
7077	TraesCS2A03G1114600	1.94037	1.0971	UP	UP
7078	TraesCS2A03G1115200	0.71427	0.56846	Down	Down
7081	TraesCS2A03G1116000	1.08032	0.62733	No	No
7082	TraesCS2A03G1116100	2.16696	0.48853	Up	Down
7083	TraesCS2A03G1116200	0.80862	1.23424	No	No
7085	TraesCS2A03G1119900	1.21486	1.61435	UP	UP
7086	TraesCS2A03G1120000	1.23416	0.85612	No	No
7087	TraesCS2A03G1120800	0.97669	1.10213	No	No
7088	TraesCS2A03G1121100	0.8951	1.19384	No	No
7089	TraesCS2A03G1122000	1.3087	0.39654	Up	Down
7090	TraesCS2A03G1122400	0.87016	1.9428	No	No
7092	TraesCS2A03G1123700	0.77577	0.53204	Down	Down
7093	TraesCS2A03G1124100	0.70398	1.49016	No	No
7095	TraesCS2A03G1124700	1.04657	1.01311	UP	UP
7096	TraesCS2A03G1124800	1.12409	0.54704	No	No
7097	TraesCS2A03G1125500	0.97013	1.4894	No	No
7098	TraesCS2A03G1125600	0.88569	1.43969	No	No
7099	TraesCS2A03G1126100	0.62062	8.86676	Down	Up
7100	TraesCS2A03G1126400	1.08373	1.7022	UP	UP
7101	TraesCS2A03G1126700	1.24144	1.45985	UP	UP
7102	TraesCS2A03G1128500	0.81248	0.6862	Down	Down
7103	TraesCS2A03G1128600	0.94111	1.15078	No	No
7105	TraesCS2A03G1130500	1.52538	0.81512	No	No
7106	TraesCS2A03G1133500	0.83019	0.92478	Down	Down
7107	TraesCS2A03G1133700	0.59911	1.31267	No	No
7108	TraesCS2A03G1133800	0.90634	1.3599	No	No
7109	TraesCS2A03G1138900	1.19036	2.17387	Up	Up
7110	TraesCS2A03G1140300	0.77466	0.61726	Down	Down
7111	TraesCS2A03G1140400	1.0727	0.54046	No	No
7112	TraesCS2A03G1140800	0.99868	1.05746	No	No
7113	TraesCS2A03G1141400	0.80321	1.81819	No	No
7114	TraesCS2A03G1141500	6.14741	0.88521	Up	Down
7115	TraesCS2A03G1141500	1.72728	0.70537	No	No
7116	TraesCS2A03G1143500	0.2282	1.35495	Down	Up
7117	TraesCS2A03G1143600	0.52577	1.86329	No	No
7118	TraesCS2A03G1143700	0.74327	0.75769	Down	Down
7119	TraesCS2A03G1145400	0.55497	4.48204	Down	Up
7120	TraesCS2A03G1145500	0.81152	2.15014	Down	Up
7121	TraesCS2A03G1145600	1.08452	1.27471	UP	UP
7123	TraesCS2A03G1148300	0.72113	1.19767	No	No

7124	TraesCS2A03G1149200	0.80558	3.77097	Down	Up
7125	TraesCS2A03G1149500	1.07579	0.44301	Up	Down
7126	TraesCS2A03G1149600	0.8301	1.58708	No	No
7127	TraesCS2A03G1149700	0.9734	1.08756	No	No
7128	TraesCS2A03G1149800	1.5375	0.88319	No	No
7129	TraesCS2A03G1150000	2.61095	0.7608	Up	Down
7130	TraesCS2A03G1150900	1.14406	0.38604	Up	Down
7131	TraesCS2A03G1151400	0.12653	1.26312	Down	Up
7132	TraesCS2A03G1151600	0.09376	1.15663	Down	Up
7133	TraesCS2A03G1151900	0.46441	1.43274	Down	Up
7134	TraesCS2A03G1152000	0.95664	0.70878	Down	Down
7135	TraesCS2A03G1152100	2.09027	0.45387	Up	Down
7138	TraesCS2A03G1156500	0.38034	0.58182	Down	Down
7139	TraesCS2A03G1157000	0.75126	1.07757	No	No
7140	TraesCS2A03G1157200	0.94391	2.35844	Down	Up
7141	TraesCS2A03G1157400	1.13511	1.51239	UP	UP
7142	TraesCS2A03G1157500	1.49145	0.14605	Up	Down
7144	TraesCS2A03G1160100	1.22154	1.15977	UP	UP
7145	TraesCS2A03G1160500	1.00408	1.03921	UP	UP
7146	TraesCS2A03G1161200	0.83993	1.59933	No	No
7147	TraesCS2A03G1161400	0.88271	0.86221	Down	Down
7148	TraesCS2A03G1161800	1.24778	2.35143	Up	Up
7149	TraesCS2A03G1161800	1.30439	5.47712	Up	Up
7150	TraesCS2A03G1162100	1.06242	0.91791	No	No
7151	TraesCS2A03G1162800	0.91013	1.4228	No	No
7152	TraesCS2A03G1163000	0.66058	0.50595	Down	Down
7153	TraesCS2A03G1163100	0.68558	0.78102	Down	Down
7154	TraesCS2A03G1164100	0.83177	1.02535	No	No
7155	TraesCS2A03G1164700	0.89744	0.82092	Down	Down
7156	TraesCS2A03G1164800	0.62419	1.44566	No	No
7157	TraesCS2A03G1165100	0.77884	1.12795	No	No
7158	TraesCS2A03G1165300	0.70854	2.46971	Down	Up
7159	TraesCS2A03G1166000	0.67416	2.39747	Down	Up
7160	TraesCS2A03G1166300	0.82191	0.42683	Down	Down
7161	TraesCS2A03G1167100	1.02611	1.19923	UP	UP
7162	TraesCS2A03G1167400	1.23379	0.45711	Up	Down
7163	TraesCS2A03G1167500	0.84373	5.45065	Down	Up
7164	TraesCS2A03G1167800	0.85044	0.98613	Down	Down
7165	TraesCS2A03G1167900	0.98853	1.39754	No	No
7166	TraesCS2A03G1168000	1.32171	0.2463	Up	Down
7167	TraesCS2A03G1168100	1.19199	0.14008	Up	Down
7168	TraesCS2A03G1168200	1.38884	0.29233	Up	Down
7169	TraesCS2A03G1168700	1.73271	2.03821	UP	UP
7170	TraesCS2A03G1169300	1.55697	2.65163	Up	Up
7171	TraesCS2A03G1169300	0.58775	1.03523	No	No
7173	TraesCS2A03G1170400	0.72035	0.91752	Down	Down
7174	TraesCS2A03G1170700	1.1675	0.76895	No	No
7175	TraesCS2A03G1171800	1.9247	1.34159	UP	UP
7176	TraesCS2A03G1173100	0.22434	2.68798	Down	Up
7177	TraesCS2A03G1173500	1.16971	0.29999	Up	Down
7178	TraesCS2A03G1174300	0.90532	1.20684	No	No
7180	TraesCS2A03G1177100	0.7291	1.22655	No	No

7181	TraesCS2A03G1177300	1.18253	0.44194	Up	Down
7182	TraesCS2A03G1177500	0.76355	4.19275	Down	Up
7183	TraesCS2A03G1177600	1.08906	0.90628	No	No
7184	TraesCS2A03G1177800	0.63049	1.54685	No	No
7185	TraesCS2A03G1177900	0.82199	1.27805	No	No
7186	TraesCS2A03G1179700	1.12097	1.43295	UP	UP
7187	TraesCS2A03G1180200	2.91343	0.08611	Up	Down
7188	TraesCS2A03G1180900	1.00636	1.29125	UP	UP
7189	TraesCS2A03G1181400	1.09243	0.75358	No	No
7191	TraesCS2A03G1182400	0.86412	1.156	No	No
7192	TraesCS2A03G1182500	1.05067	1.73997	UP	UP
7193	TraesCS2A03G1185500	0.4872	2.43897	Down	Up
7194	TraesCS2A03G1187500	0.88002	1.12556	No	No
7195	TraesCS2A03G1188500	2.41543	0.52178	Up	Down
7196	TraesCS2A03G1188700	1.32407	0.59781	No	No
7197	TraesCS2A03G1188800	1.23331	1.72123	UP	UP
7198	TraesCS2A03G1188900	0.77785	0.77349	Down	Down
7201	TraesCS2A03G1190400	0.82043	0.8141	Down	Down
7202	TraesCS2A03G1191100	1.1606	0.61205	No	No
7204	TraesCS2A03G1191900	0.73255	1.91495	No	No
7205	TraesCS2A03G1193100	1.58939	0.23644	Up	Down
7206	TraesCS2A03G1193300	2.72139	0.44869	Up	Down
7207	TraesCS2A03G1196100	0.52786	0.57652	Down	Down
7208	TraesCS2A03G1196500	0.9463	0.60117	Down	Down
7209	TraesCS2A03G1196700	0.71199	0.70404	Down	Down
7210	TraesCS2A03G1197900	0.78943	1.43063	No	No
7211	TraesCS2A03G1198100	0.95039	0.93784	Down	Down
7212	TraesCS2A03G1199500	1.02636	1.8775	UP	UP
7213	TraesCS2A03G1200600	0.77872	1.91856	No	No
7214	TraesCS2A03G1200700	1.37566	0.25309	Up	Down
7215	TraesCS2A03G1201700	1.8648	1.06521	UP	UP
7216	TraesCS2A03G1202500	1.06693	0.56203	No	No
7217	TraesCS2A03G1202600	1.02395	1.35043	UP	UP
7218	TraesCS2A03G1203300	0.88222	0.36324	Down	Down
7219	TraesCS2A03G1204300	0.80607	2.72885	Down	Up
7220	TraesCS2A03G1204700	0.98325	1.57152	No	No
7221	TraesCS2A03G1204800	1.12107	1.12125	UP	UP
7222	TraesCS2A03G1206400	0.87317	2.48726	Down	Up
7223	TraesCS2A03G1208400	0.52277	1.19791	No	No
7224	TraesCS2A03G1208500	0.82806	0.82496	Down	Down
7225	TraesCS2A03G1208600	0.78953	1.29773	No	No
7226	TraesCS2A03G1209400	0.79884	1.1632	No	No
7227	TraesCS2A03G1211800	0.86949	0.67191	Down	Down
7228	TraesCS2A03G1212900	0.83885	0.6412	Down	Down
7229	TraesCS2A03G1213100	0.93825	0.84555	Down	Down
7230	TraesCS2A03G1213200	1.54445	1.63253	UP	UP
7231	TraesCS2A03G1214500	1.15941	0.23253	Up	Down
7232	TraesCS2A03G1214700	1.19592	1.4228	UP	UP
7233	TraesCS2A03G1215000	1.08619	0.63761	No	No
7234	TraesCS2A03G1215100	0.95751	0.43165	Down	Down
7235	TraesCS2A03G1215300	0.81341	0.96667	Down	Down
7237	TraesCS2A03G1218100	1.82552	0.55294	No	No

7238	TraesCS2A03G1218900	1.32493	4.34186	Up	Up
7239	TraesCS2A03G1219100	0.7004	0.60152	Down	Down
7240	TraesCS2A03G1220500	0.95339	0.49714	Down	Down
7241	TraesCS2A03G1221000	1.25235	0.64658	No	No
7242	TraesCS2A03G1221100	0.85219	0.74291	Down	Down
7243	TraesCS2A03G1221200	0.66291	0.73151	Down	Down
7244	TraesCS2A03G1221600	0.68434	1.1217	No	No
7245	TraesCS2A03G1223000	0.92734	2.87015	Down	Up
7246	TraesCS2A03G1223500	1.55093	0.94901	No	No
7247	TraesCS2A03G1223600	1.2552	0.49775	Up	Down
7248	TraesCS2A03G1225400	0.69721	1.32694	No	No
7249	TraesCS2A03G1225600	0.74096	1.24854	No	No
7251	TraesCS2A03G1230400	0.90693	0.57161	Down	Down
7252	TraesCS2A03G1231300	1.60781	0.95147	No	No
7255	TraesCS2A03G1233700	0.61042	4.0965	Down	Up
7256	TraesCS2A03G1234100	1.38973	4.05402	Up	Up
7257	TraesCS2A03G1236100	1.27416	0.89283	No	No
7261	TraesCS2A03G1240000	1.09786	0.51434	No	No
7263	TraesCS2A03G1241200	0.92077	0.92179	Down	Down
7264	TraesCS2A03G1242400	1.03507	2.12435	Up	Up
7265	TraesCS2A03G1244500	0.9199	25.4291	Down	Up
7267	TraesCS2A03G1244900	1.21451	1.67584	UP	UP
7268	TraesCS2A03G1245100	0.4909	1.77964	Down	Up
7269	TraesCS2A03G1245300	0.56639	0.80347	Down	Down
7271	TraesCS2A03G1245600	0.60672	1.01894	No	No
7272	TraesCS2A03G1245600	1.08429	4.00384	Up	Up
7273	TraesCS2A03G1245800	1.27648	0.85213	No	No
7274	TraesCS2A03G1245900	0.71151	0.97303	Down	Down
7276	TraesCS2A03G1246100	0.85212	0.43348	Down	Down
7277	TraesCS2A03G1246300	0.89946	0.72127	Down	Down
7278	TraesCS2A03G1246600	1.38406	0.56626	No	No
7279	TraesCS2A03G1248000	1.65347	0.73471	No	No
7280	TraesCS2A03G1249400	1.2324	0.39525	Up	Down
7281	TraesCS2A03G1249500	0.46855	1.35035	Down	Up
7282	TraesCS2A03G1251600	0.9911	1.52086	No	No
7283	TraesCS2A03G1251800	0.8992	1.45043	No	No
7284	TraesCS2A03G1251900	1.20459	1.60697	UP	UP
7285	TraesCS2A03G1253800	0.78275	0.57651	Down	Down
7286	TraesCS2A03G1253900	0.67307	0.68714	Down	Down
7288	TraesCS2A03G1254600	0.34724	1.45004	Down	Up
7289	TraesCS2A03G1254800	0.16424	2.95327	Down	Up
7290	TraesCS2A03G1255600	0.80893	0.97549	Down	Down
7291	TraesCS2A03G1255800	0.83787	0.9778	Down	Down
7292	TraesCS2A03G1255900	1.48774	0.46191	Up	Down
7293	TraesCS2A03G1256000	1.08846	9.781	Up	Up
7294	TraesCS2A03G1256200	0.64753	1.86228	No	No
7297	TraesCS2A03G1259500	1.44454	0.11717	Up	Down
7298	TraesCS2A03G1262500	0.35271	2.43804	Down	Up
7299	TraesCS2A03G1263400	1.10324	1.37018	UP	UP
7300	TraesCS2A03G1263500	0.76826	0.90287	Down	Down
7301	TraesCS2A03G1264100	1.4754	1.0122	UP	UP
7302	TraesCS2A03G1264200	0.88341	0.94827	Down	Down

7303	TraesCS2A03G1266300	0.66848	1.34256	No	No
7305	TraesCS2A03G1271900	0.98774	0.56729	Down	Down
7307	TraesCS2A03G1272100	1.2508	0.72578	No	No
7308	TraesCS2A03G1272500	0.59474	4.03738	Down	Up
7309	TraesCS2A03G1272900	1.54979	0.44662	Up	Down
7311	TraesCS2A03G1274700	1.41395	0.36346	Up	Down
7312	TraesCS2A03G1274800	0.97471	1.05204	No	No
7313	TraesCS2A03G1274900	1.143	1.32844	UP	UP
7314	TraesCS2A03G1275200	0.73594	1.83177	No	No
7315	TraesCS2A03G1276800	1.33472	1.21661	UP	UP
7316	TraesCS2A03G1278800	1.12542	0.86061	No	No
7317	TraesCS2A03G1280900	1.26016	1.139	UP	UP
7318	TraesCS2A03G1281600	0.91636	1.45662	No	No
7319	TraesCS2A03G1281700	0.94386	0.65886	Down	Down
7320	TraesCS2A03G1282700	0.99848	3.49744	Down	Up
7322	TraesCS2A03G1283200	0.77623	1.47088	No	No
7323	TraesCS2A03G1283300	0.57958	0.62808	Down	Down
7324	TraesCS2A03G1284000	0.72279	0.76328	Down	Down
7325	TraesCS2A03G1285500	0.913	0.94531	Down	Down
7326	TraesCS2A03G1287000	0.78629	0.94168	Down	Down
7327	TraesCS2A03G1288600	0.90537	0.62714	Down	Down
7328	TraesCS2A03G1292000	1.12308	1.12118	UP	UP
7330	TraesCS2A03G1294000	1.4887	1.51226	UP	UP
7331	TraesCS2A03G1294300	0.37624	0.19526	Down	Down
7332	TraesCS2A03G1295800	1.59649	0.8536	No	No
7333	TraesCS2A03G1297500	1.02419	1.70852	UP	UP
7334	TraesCS2A03G1299200	0.95094	0.73248	Down	Down
7335	TraesCS2A03G1299400	0.82723	0.74568	Down	Down
7336	TraesCS2A03G1300500	1.15629	1.20269	UP	UP
7337	TraesCS2A03G1300600	1.08326	0.37407	Up	Down
7338	TraesCS2A03G1300700	1.02006	3.8489	Up	Up
7339	TraesCS2A03G1300800	1.00685	0.45613	Up	Down
7340	TraesCS2A03G1301600	1.58309	0.74694	No	No
7341	TraesCS2A03G1302200	0.93408	1.35751	No	No
7342	TraesCS2A03G1303300	1.62302	1.96349	UP	UP
7343	TraesCS2A03G1305000	0.91682	1.17334	No	No
7344	TraesCS2A03G1307400	1.43988	2.05242	Up	Up
7345	TraesCS2A03G1307900	0.58767	2.15376	Down	Up
7346	TraesCS2A03G1308200	0.67802	1.21903	No	No
7347	TraesCS2A03G1308400	0.69388	3.04569	Down	Up
7348	TraesCS2A03G1308700	0.64253	0.43828	Down	Down
7349	TraesCS2A03G1308900	0.99552	6.00002	Down	Up
7350	TraesCS2A03G1309000	0.8764	9.26146	Down	Up
7351	TraesCS2A03G1309400	0.85166	2.6036	Down	Up
7352	TraesCS2A03G1309700	1.16598	19.9405	Up	Up
7353	TraesCS2A03G1310800	1.04673	1.27021	UP	UP
7354	TraesCS2A03G1311300	1.1426	1.78968	UP	UP
7355	TraesCS2A03G1311400	1.4011	0.29279	Up	Down
7356	TraesCS2A03G1311600	1.41071	0.42207	Up	Down
7357	TraesCS2A03G1311800	1.19782	0.13076	Up	Down
7358	TraesCS2A03G1313500	0.68639	2.13142	Down	Up
7359	TraesCS2A03G1317000	1.13977	0.70999	No	No

7360	TraesCS2A03G1317200	0.77134	3.33559	Down	Up
7361	TraesCS2A03G1319000	1.14606	1.77073	UP	UP
7362	TraesCS2A03G1320000	0.84252	0.64783	Down	Down
7363	TraesCS2A03G1320400	1.08269	1.54338	UP	UP
7364	TraesCS2A03G1320500	1.3956	0.26899	Up	Down
7365	TraesCS2A03G1324300	1.11055	1.27883	UP	UP
7366	TraesCS2A03G1324400	0.84505	1.91259	No	No
7367	TraesCS2A03G1325300	0.88188	1.07156	No	No
7368	TraesCS2A03G1327500	1.09501	0.94847	No	No
7369	TraesCS2A03G1328200	1.03014	0.65607	No	No
7370	TraesCS2A03G1330400	1.01169	0.50828	No	No
7371	TraesCS2A03G1330500	0.74966	2.15092	Down	Up
7372	TraesCS2A03G1330600	1.18866	1.30647	UP	UP
7374	TraesCS2A03G1330800	0.82554	1.67955	No	No
7375	TraesCS2A03G1332900	0.69385	3.93006	Down	Up
7377	TraesCS2A03G1334000	0.82969	0.82949	Down	Down
7378	TraesCS2A03G1334200	2.26809	0.99152	Up	Down
7379	TraesCS2A03G1337300	0.49322	1.51515	Down	Up
7380	TraesCS2A03G1337900	0.34149	22.5233	Down	Up
7381	TraesCS2A03G1338300	1.24155	5.31696	Up	Up
7382	TraesCS2A03G1339200	1.00455	1.05014	UP	UP
7383	TraesCS2A03G1342500	0.33364	1.47068	Down	Up
7384	TraesCS2A03G1343600	0.83213	1.17588	No	No
7385	TraesCS2A03G1343800	0.80604	0.75527	Down	Down
7386	TraesCS2A03G1344800	1.02338	1.14398	UP	UP
7387	TraesCS2A03G1344900	0.82337	0.79848	Down	Down
7388	TraesCS2A03G1345300	0.58372	0.98283	Down	Down
7389	TraesCS2A03G1347900	0.7873	0.71539	Down	Down
7390	TraesCS2A03G1348400	0.67726	0.88698	Down	Down
7391	TraesCS2A03G1348500	0.97032	0.65992	Down	Down
7392	TraesCS2A03G1349200	3.07748	1.70948	Up	Up
7393	TraesCS2A03G1349600	3.04156	0.8404	Up	Down
7394	TraesCS2A03G1349700	2.90714	0.39775	Up	Down
7395	TraesCS2A03G1350700	1.11543	0.83289	No	No
7397	TraesCS2A03G1353200	0.70626	2.21254	Down	Up
7398	TraesCS2A03G1353300	1.01883	0.81199	No	No
7399	TraesCS2A03G1353600	0.95684	2.12789	Down	Up
7402	TraesCS2A03G1354800	1.1385	1.03537	UP	UP
7405	TraesCS2A03G1356900	0.93327	0.81081	Down	Down
7407	TraesCS2A03G1357200	1.3408	0.6576	No	No
7408	TraesCS2A03G1357400	1.15762	0.75312	No	No
7409	TraesCS2A03G1357600	0.88817	1.76261	No	No
7410	TraesCS2A03G1358800	0.81227	0.52138	Down	Down
7411	TraesCS2A03G1359700	1.28508	2.24932	Up	Up
7413	TraesCS2A03G1360500	0.69054	1.73902	No	No
7414	TraesCS2A03G1363800	1.42447	1.01189	UP	UP
7415	TraesCS2A03G1365300	0.92218	2.99396	Down	Up
7416	TraesCS2A03G1365700	0.96011	1.0942	No	No
7417	TraesCS2A03G1365800	1.07291	0.85819	No	No
7418	TraesCS2A03G1366200	1.023	0.97174	No	No
7419	TraesCS2A03G1366200	0.82605	1.17254	No	No
7420	TraesCS2A03G1367200	0.73032	1.48954	No	No

7421	TraesCS2A03G1367300	0.58268	0.98618	Down	Down
7422	TraesCS2A03G1372000	1.20018	1.23572	UP	UP
7423	TraesCS2B03G0000100	0.8927	0.64268	Down	Down
7424	TraesCS2B03G0000200	0.63434	0.69289	Down	Down
7425	TraesCS2B03G0002400	1.36726	1.49464	UP	UP
7426	TraesCS2B03G0002500	0.84482	1.47339	No	No
7427	TraesCS2B03G0006000	0.99953	0.49428	Down	Down
7429	TraesCS2B03G0008500	1.12983	1.05451	UP	UP
7430	TraesCS2B03G0014300	0.84265	1.01645	No	No
7431	TraesCS2B03G0020000	0.77665	0.92049	Down	Down
7432	TraesCS2B03G0026800	0.87	1.01084	No	No
7433	TraesCS2B03G0026900	0.78369	1.15059	No	No
7434	TraesCS2B03G0027200	1.10392	0.43955	Up	Down
7435	TraesCS2B03G0027200	1.14795	0.26441	Up	Down
7436	TraesCS2B03G0027300	0.97618	1.12257	No	No
7437	TraesCS2B03G0027400	2.28298	0.12207	Up	Down
7438	TraesCS2B03G0030300	1.01791	1.83454	UP	UP
7439	TraesCS2B03G0030500	1.07255	1.31876	UP	UP
7440	TraesCS2B03G0033400	0.89364	1.53496	No	No
7441	TraesCS2B03G0036900	1.23523	1.63753	UP	UP
7442	TraesCS2B03G0040000	1.01535	0.44758	Up	Down
7443	TraesCS2B03G0041400	0.52165	1.98777	No	No
7444	TraesCS2B03G0044200	0.95603	0.92535	Down	Down
7445	TraesCS2B03G0047900	0.85152	1.84321	No	No
7446	TraesCS2B03G0048000	1.04403	2.24167	Up	Up
7447	TraesCS2B03G0050700	0.87944	1.98585	No	No
7449	TraesCS2B03G0061800	1.31961	0.81011	No	No
7450	TraesCS2B03G0062000	1.08023	0.28899	Up	Down
7451	TraesCS2B03G0062100	1.57443	0.77059	No	No
7452	TraesCS2B03G0063000	0.93528	0.8828	Down	Down
7453	TraesCS2B03G0065500	1.06371	0.37199	Up	Down
7456	TraesCS2B03G0072800	1.23527	5.89546	Up	Up
7457	TraesCS2B03G0075700	1.38516	4.64252	Up	Up
7458	TraesCS2B03G0079300	1.03871	1.13407	UP	UP
7459	TraesCS2B03G0079800	1.6004	1.19058	UP	UP
7460	TraesCS2B03G0082200	1.04969	1.55313	UP	UP
7461	TraesCS2B03G0082300	2.67087	2.80518	UP	UP
7462	TraesCS2B03G0082600	0.69479	1.75027	No	No
7463	TraesCS2B03G0082700	0.92914	0.71258	Down	Down
7464	TraesCS2B03G0083000	0.63455	11.3746	Down	Up
7465	TraesCS2B03G0083100	0.43749	11.7454	Down	Up
7466	TraesCS2B03G0085100	0.87694	1.48798	No	No
7467	TraesCS2B03G0087300	0.37838	0.79895	Down	Down
7468	TraesCS2B03G0088500	1.31926	0.906	No	No
7469	TraesCS2B03G0089100	0.37738	4.34838	Down	Up
7470	TraesCS2B03G0091200	1.48754	0.65402	No	No
7471	TraesCS2B03G0091300	1.67	7.31208	Up	Up
7472	TraesCS2B03G0091700	0.99584	1.75382	No	No
7473	TraesCS2B03G0091900	1.31222	1.24885	UP	UP
7474	TraesCS2B03G0092200	1.08749	1.59299	UP	UP
7475	TraesCS2B03G0092300	0.5098	3.6325	Down	Up
7476	TraesCS2B03G0092400	0.82563	1.17965	No	No

7477	TraesCS2B03G0094000	0.92402	1.22454	No	No
7479	TraesCS2B03G0095200	0.71587	0.88412	Down	Down
7480	TraesCS2B03G0095700	1.05056	1.44342	UP	UP
7481	TraesCS2B03G0095800	0.80633	0.68331	Down	Down
7482	TraesCS2B03G0095900	0.97254	1.29432	No	No
7483	TraesCS2B03G0096000	0.64928	1.93327	No	No
7484	TraesCS2B03G0097800	0.69815	1.88146	No	No
7485	TraesCS2B03G0097900	0.68516	1.26497	No	No
7486	TraesCS2B03G0098000	1.05058	0.9936	No	No
7487	TraesCS2B03G0098400	0.7632	2.17322	Down	Up
7488	TraesCS2B03G0098800	0.93583	1.37152	No	No
7489	TraesCS2B03G0099800	1.05291	1.33844	UP	UP
7490	TraesCS2B03G0100400	1.16992	0.30981	Up	Down
7491	TraesCS2B03G0102100	1.26354	0.84737	No	No
7492	TraesCS2B03G0102800	1.12537	2.4357	Up	Up
7493	TraesCS2B03G0104900	0.69597	1.33656	No	No
7494	TraesCS2B03G0106300	0.72894	0.86365	Down	Down
7495	TraesCS2B03G0106500	0.8692	0.48769	Down	Down
7496	TraesCS2B03G0107200	0.86125	1.14241	No	No
7497	TraesCS2B03G0108700	0.90122	0.77317	Down	Down
7498	TraesCS2B03G0108800	0.68039	1.32221	No	No
7500	TraesCS2B03G0113100	1.21975	1.32292	UP	UP
7501	TraesCS2B03G0113700	0.89386	2.85011	Down	Up
7502	TraesCS2B03G0113800	0.74387	0.88401	Down	Down
7504	TraesCS2B03G0115100	0.61702	1.65155	No	No
7505	TraesCS2B03G0116500	0.68894	1.48964	No	No
7506	TraesCS2B03G0116800	1.33186	0.72872	No	No
7507	TraesCS2B03G0117200	1.00176	1.43583	UP	UP
7508	TraesCS2B03G0120300	1.46612	0.45859	Up	Down
7509	TraesCS2B03G0120600	0.93166	1.68364	No	No
7510	TraesCS2B03G0122600	0.79922	0.4649	Down	Down
7511	TraesCS2B03G0122700	1.26865	0.57395	No	No
7512	TraesCS2B03G0124700	2.62427	0.1978	Up	Down
7513	TraesCS2B03G0125000	0.66594	1.87803	No	No
7514	TraesCS2B03G0125700	0.59576	0.51196	Down	Down
7515	TraesCS2B03G0127000	0.77919	1.98395	No	No
7516	TraesCS2B03G0131200	0.32559	1.292	Down	Up
7518	TraesCS2B03G0134500	0.8205	2.62632	Down	Up
7519	TraesCS2B03G0139900	0.65824	1.1621	No	No
7521	TraesCS2B03G0144900	0.57884	5.93229	Down	Up
7522	TraesCS2B03G0145100	0.8315	0.66117	Down	Down
7523	TraesCS2B03G0145700	0.81635	1.49764	No	No
7524	TraesCS2B03G0146100	1.93516	0.44552	Up	Down
7525	TraesCS2B03G0148000	1.30531	1.34282	UP	UP
7527	TraesCS2B03G0150800	1.13079	0.9967	No	No
7529	TraesCS2B03G0155300	1.11408	0.49034	Up	Down
7530	TraesCS2B03G0155400	1.08886	0.86899	No	No
7532	TraesCS2B03G0161600	0.6572	0.9833	Down	Down
7535	TraesCS2B03G0162100	0.75947	1.54295	No	No
7536	TraesCS2B03G0162300	0.87316	1.42972	No	No
7537	TraesCS2B03G0162700	1.64559	0.91375	No	No
7538	TraesCS2B03G0164300	0.77651	1.78695	No	No

7539	TraesCS2B03G0165800	1.26074	1.36947	UP	UP
7540	TraesCS2B03G0165900	0.75893	1.83617	No	No
7541	TraesCS2B03G0171700	1.2449	1.3006	UP	UP
7542	TraesCS2B03G0172800	0.8702	0.41175	Down	Down
7543	TraesCS2B03G0173000	0.78561	1.00081	No	No
7544	TraesCS2B03G0174200	1.02502	0.68182	No	No
7545	TraesCS2B03G0176900	0.67795	1.30243	No	No
7546	TraesCS2B03G0177000	0.67791	1.16561	No	No
7547	TraesCS2B03G0177800	1.29486	1.41039	UP	UP
7548	TraesCS2B03G0178300	0.64454	1.33424	No	No
7550	TraesCS2B03G0178600	1.02741	0.23039	Up	Down
7551	TraesCS2B03G0178800	1.05488	0.20931	Up	Down
7552	TraesCS2B03G0179100	1.05264	0.40653	Up	Down
7553	TraesCS2B03G0179200	1.15033	0.37194	Up	Down
7554	TraesCS2B03G0179300	0.91473	0.32582	Down	Down
7555	TraesCS2B03G0179600	0.70829	0.12244	Down	Down
7556	TraesCS2B03G0179800	0.87385	0.99194	Down	Down
7557	TraesCS2B03G0180000	0.24266	4.10349	Down	Up
7558	TraesCS2B03G0180100	0.95847	1.48148	No	No
7559	TraesCS2B03G0180400	1.48766	7.75803	Up	Up
7561	TraesCS2B03G0183000	1.17387	5.24006	Up	Up
7562	TraesCS2B03G0185600	0.79167	0.68741	Down	Down
7563	TraesCS2B03G0185900	0.95516	1.17728	No	No
7564	TraesCS2B03G0186200	0.86787	0.89727	Down	Down
7568	TraesCS2B03G0194500	0.35395	4.76085	Down	Up
7570	TraesCS2B03G0196200	0.48938	1.36022	Down	Up
7571	TraesCS2B03G0197800	0.93488	1.3219	No	No
7572	TraesCS2B03G0203800	2.19508	1.18447	Up	Up
7573	TraesCS2B03G0210000	1.23813	1.02312	UP	UP
7575	TraesCS2B03G0210500	0.73202	1.38216	No	No
7576	TraesCS2B03G0210900	0.79881	1.16164	No	No
7579	TraesCS2B03G0213400	0.89966	1.29475	No	No
7580	TraesCS2B03G0217900	0.66821	0.66858	Down	Down
7581	TraesCS2B03G0218300	0.59836	2.52572	Down	Up
7583	TraesCS2B03G0219100	0.76568	2.95491	Down	Up
7584	TraesCS2B03G0221400	0.75471	1.64933	No	No
7585	TraesCS2B03G0223200	0.98761	0.85697	Down	Down
7586	TraesCS2B03G0223300	1.13657	1.58993	UP	UP
7587	TraesCS2B03G0224600	1.04882	0.80432	No	No
7588	TraesCS2B03G0226100	0.81036	1.34843	No	No
7589	TraesCS2B03G0226300	0.90274	1.28477	No	No
7590	TraesCS2B03G0227100	0.49122	13.6476	Down	Up
7591	TraesCS2B03G0228300	0.65762	1.0692	No	No
7592	TraesCS2B03G0228300	1.10661	2.57823	Up	Up
7593	TraesCS2B03G0230000	1.04146	0.15514	Up	Down
7594	TraesCS2B03G0230400	1.05388	1.55745	UP	UP
7595	TraesCS2B03G0232200	0.78804	1.17615	No	No
7598	TraesCS2B03G0236400	0.80851	0.92157	Down	Down
7599	TraesCS2B03G0236600	1.23215	2.61271	Up	Up
7600	TraesCS2B03G0236700	1.30778	1.81055	UP	UP
7602	TraesCS2B03G0237100	1.63824	0.93601	No	No
7603	TraesCS2B03G0238600	0.98127	1.76216	No	No

7604	TraesCS2B03G0243300	0.68825	2.36579	Down	Up
7605	TraesCS2B03G0243400	0.71725	1.59263	No	No
7608	TraesCS2B03G0245000	0.65295	0.72342	Down	Down
7610	TraesCS2B03G0246300	1.32929	2.20634	Up	Up
7613	TraesCS2B03G0247100	0.79676	1.10799	No	No
7614	TraesCS2B03G0247700	0.62754	0.72452	Down	Down
7615	TraesCS2B03G0247900	0.7827	1.20257	No	No
7618	TraesCS2B03G0249700	0.76386	3.09665	Down	Up
7620	TraesCS2B03G0253600	1.1769	0.24142	Up	Down
7621	TraesCS2B03G0255400	0.96695	1.00741	No	No
7623	TraesCS2B03G0257100	1.11516	1.05991	UP	UP
7624	TraesCS2B03G0257400	0.78486	1.04108	No	No
7625	TraesCS2B03G0257700	1.32675	2.23123	Up	Up
7626	TraesCS2B03G0262900	0.83576	0.97324	Down	Down
7627	TraesCS2B03G0263800	0.7716	1.06392	No	No
7628	TraesCS2B03G0264200	1.42392	0.7812	No	No
7629	TraesCS2B03G0264600	1.11883	0.52354	No	No
7631	TraesCS2B03G0266300	0.69857	1.03944	No	No
7632	TraesCS2B03G0268400	1.21982	0.57518	No	No
7635	TraesCS2B03G0270400	0.96609	0.27842	Down	Down
7637	TraesCS2B03G0271500	1.51745	0.68413	No	No
7639	TraesCS2B03G0271900	0.87507	1.11492	No	No
7640	TraesCS2B03G0272300	0.81297	0.78756	Down	Down
7641	TraesCS2B03G0272700	0.65504	0.65748	Down	Down
7642	TraesCS2B03G0273000	1.36451	1.68524	UP	UP
7643	TraesCS2B03G0273100	0.58607	1.69333	No	No
7644	TraesCS2B03G0273100	0.72892	2.46229	Down	Up
7647	TraesCS2B03G0276600	0.70972	3.26547	Down	Up
7649	TraesCS2B03G0280700	0.97694	1.25642	No	No
7650	TraesCS2B03G0281300	0.80079	3.8583	Down	Up
7651	TraesCS2B03G0281500	0.88154	1.29249	No	No
7652	TraesCS2B03G0284400	1.34395	0.34757	Up	Down
7653	TraesCS2B03G0284600	1.07118	0.68864	No	No
7656	TraesCS2B03G0287600	0.7693	1.1585	No	No
7657	TraesCS2B03G0288900	0.57323	0.62736	Down	Down
7659	TraesCS2B03G0289100	0.50922	0.25603	Down	Down
7660	TraesCS2B03G0289300	0.22626	2.00203	Down	Up
7661	TraesCS2B03G0289400	0.36786	0.95996	Down	Down
7662	TraesCS2B03G0289600	0.70102	5.07653	Down	Up
7663	TraesCS2B03G0289700	1.20037	0.89744	No	No
7664	TraesCS2B03G0290000	0.75765	1.07862	No	No
7665	TraesCS2B03G0291000	0.65785	0.766	Down	Down
7666	TraesCS2B03G0293400	1.01062	1.31832	UP	UP
7668	TraesCS2B03G0294700	0.58674	3.48359	Down	Up
7669	TraesCS2B03G0294800	0.64322	0.96805	Down	Down
7670	TraesCS2B03G0295500	0.74421	1.55194	No	No
7671	TraesCS2B03G0295800	0.74885	1.51983	No	No
7672	TraesCS2B03G0296300	0.87281	1.76382	No	No
7673	TraesCS2B03G0296500	1.01648	1.00024	UP	UP
7674	TraesCS2B03G0296800	0.76523	1.70595	No	No
7675	TraesCS2B03G0297300	0.67244	2.21124	Down	Up
7676	TraesCS2B03G0297800	0.95082	0.68628	Down	Down

7677	TraesCS2B03G0298000	1.37667	2.73177	Up	Up
7678	TraesCS2B03G0298900	0.99746	0.82745	Down	Down
7679	TraesCS2B03G0299300	0.81897	1.0961	No	No
7681	TraesCS2B03G0302100	1.02712	1.21867	UP	UP
7683	TraesCS2B03G0304300	0.51498	1.52661	No	No
7689	TraesCS2B03G0309800	0.77253	1.20661	No	No
7690	TraesCS2B03G0311200	1.45777	0.26054	Up	Down
7691	TraesCS2B03G0311700	0.88273	1.51786	No	No
7692	TraesCS2B03G0312500	1.07244	0.60147	No	No
7693	TraesCS2B03G0312800	0.969	1.13665	No	No
7694	TraesCS2B03G0313100	0.70554	1.12249	No	No
7695	TraesCS2B03G0316700	0.6132	1.42289	No	No
7696	TraesCS2B03G0316900	0.85823	1.32858	No	No
7697	TraesCS2B03G0317000	1.05827	1.08476	UP	UP
7698	TraesCS2B03G0317100	0.26516	13.4092	Down	Up
7699	TraesCS2B03G0317200	0.811	0.76387	Down	Down
7700	TraesCS2B03G0317600	0.93488	1.61834	No	No
7701	TraesCS2B03G0318100	1.07471	0.84556	No	No
7702	TraesCS2B03G0318200	0.96972	0.30102	Down	Down
7703	TraesCS2B03G0318500	0.95614	1.17817	No	No
7704	TraesCS2B03G0318800	0.77801	1.02036	No	No
7705	TraesCS2B03G0319000	0.91966	1.17336	No	No
7706	TraesCS2B03G0319800	0.9703	2.0849	Down	Up
7707	TraesCS2B03G0320100	0.78465	0.38995	Down	Down
7708	TraesCS2B03G0320200	0.72053	0.69652	Down	Down
7709	TraesCS2B03G0320600	0.7832	0.63639	Down	Down
7710	TraesCS2B03G0320700	0.80511	0.9644	Down	Down
7711	TraesCS2B03G0320800	0.74226	0.8222	Down	Down
7713	TraesCS2B03G0323300	1.46121	1.32495	UP	UP
7714	TraesCS2B03G0324300	0.63231	0.57862	Down	Down
7715	TraesCS2B03G0324400	0.8368	1.10646	No	No
7716	TraesCS2B03G0324600	0.58052	0.8991	Down	Down
7717	TraesCS2B03G0324800	0.96804	0.26511	Down	Down
7718	TraesCS2B03G0325000	0.14261	0.5967	Down	Down
7722	TraesCS2B03G0326300	0.55505	1.1294	No	No
7723	TraesCS2B03G0328400	1.19732	0.8749	No	No
7724	TraesCS2B03G0328700	1.0062	1.13122	UP	UP
7725	TraesCS2B03G0328800	1.01748	1.33424	UP	UP
7726	TraesCS2B03G0331600	1.16091	0.50918	No	No
7727	TraesCS2B03G0331900	0.89244	1.13835	No	No
7728	TraesCS2B03G0332400	0.88618	1.01023	No	No
7729	TraesCS2B03G0332500	0.72709	0.60599	Down	Down
7732	TraesCS2B03G0333600	2.52489	0.39981	Up	Down
7733	TraesCS2B03G0335200	1.15974	1.46142	UP	UP
7734	TraesCS2B03G0336600	0.79854	1.83204	No	No
7735	TraesCS2B03G0336800	0.88715	1.05872	No	No
7736	TraesCS2B03G0343400	1.86349	0.2187	Up	Down
7738	TraesCS2B03G0348200	1.13385	0.70215	No	No
7739	TraesCS2B03G0348300	1.71568	0.19428	Up	Down
7740	TraesCS2B03G0348700	1.17736	1.40304	UP	UP
7741	TraesCS2B03G0351500	1.26589	0.26129	Up	Down
7742	TraesCS2B03G0351600	1.01444	0.30252	Up	Down

7744	TraesCS2B03G0352600	0.75754	0.41337	Down	Down
7745	TraesCS2B03G0352800	0.7275	1.29274	No	No
7746	TraesCS2B03G0355200	0.95215	1.06701	No	No
7747	TraesCS2B03G0355500	0.95407	0.86964	Down	Down
7748	TraesCS2B03G0356100	0.83063	1.18797	No	No
7749	TraesCS2B03G0357000	0.87509	1.20464	No	No
7750	TraesCS2B03G0357100	1.0563	0.66556	No	No
7751	TraesCS2B03G0357400	0.66643	1.39684	No	No
7752	TraesCS2B03G0357700	1.89758	0.69963	No	No
7753	TraesCS2B03G0357800	1.15333	1.52399	UP	UP
7756	TraesCS2B03G0359000	0.95293	0.87834	Down	Down
7757	TraesCS2B03G0359200	0.99014	0.83678	Down	Down
7758	TraesCS2B03G0359600	1.01491	1.05043	UP	UP
7759	TraesCS2B03G0359800	0.74589	1.29039	No	No
7760	TraesCS2B03G0359900	0.42775	1.13406	Down	Up
7761	TraesCS2B03G0360700	1.13407	8.41693	Up	Up
7762	TraesCS2B03G0362200	1.01222	1.12177	UP	UP
7763	TraesCS2B03G0362500	0.56001	3.45772	Down	Up
7767	TraesCS2B03G0363800	0.93846	0.47233	Down	Down
7770	TraesCS2B03G0365800	0.97822	0.69935	Down	Down
7771	TraesCS2B03G0365900	0.84059	1.561	No	No
7772	TraesCS2B03G0366300	1.05307	2.89548	Up	Up
7773	TraesCS2B03G0366400	1.19189	1.17437	UP	UP
7774	TraesCS2B03G0367700	1.05604	0.44778	Up	Down
7775	TraesCS2B03G0369800	0.79359	1.88987	No	No
7776	TraesCS2B03G0370500	1.28916	0.38376	Up	Down
7777	TraesCS2B03G0371800	1.33425	2.54736	Up	Up
7778	TraesCS2B03G0371900	1.29794	1.63323	UP	UP
7779	TraesCS2B03G0372500	0.80064	1.07802	No	No
7780	TraesCS2B03G0372600	0.93866	1.11346	No	No
7782	TraesCS2B03G0372900	0.61823	1.3961	No	No
7783	TraesCS2B03G0373000	1.06371	1.17067	UP	UP
7784	TraesCS2B03G0373200	0.94701	0.63197	Down	Down
7785	TraesCS2B03G0374100	0.61713	3.99213	Down	Up
7787	TraesCS2B03G0378900	0.8785	0.84868	Down	Down
7788	TraesCS2B03G0381400	0.94017	2.14287	Down	Up
7791	TraesCS2B03G0383400	1.42454	1.51643	UP	UP
7792	TraesCS2B03G0383500	2.09352	1.21071	Up	Up
7793	TraesCS2B03G0383800	1.27756	0.39262	Up	Down
7794	TraesCS2B03G0383900	0.81216	0.07282	Down	Down
7795	TraesCS2B03G0384100	0.60313	2.37436	Down	Up
7796	TraesCS2B03G0385800	1.03236	0.32436	Up	Down
7797	TraesCS2B03G0386400	1.02172	1.67793	UP	UP
7798	TraesCS2B03G0387300	0.45181	4.08948	Down	Up
7799	TraesCS2B03G0388700	1.19331	1.13704	UP	UP
7800	TraesCS2B03G0388800	0.77883	1.60447	No	No
7801	TraesCS2B03G0388900	0.88446	1.68121	No	No
7802	TraesCS2B03G0391000	0.79495	5.04493	Down	Up
7803	TraesCS2B03G0391100	0.69815	1.83021	No	No
7804	TraesCS2B03G0393200	0.8188	0.89151	Down	Down
7805	TraesCS2B03G0393400	0.70282	2.03038	Down	Up
7806	TraesCS2B03G0393800	0.94432	1.07081	No	No

7807	TraesCS2B03G0397100	0.85611	1.84006	No	No
7808	TraesCS2B03G0398100	0.97581	0.61565	Down	Down
7809	TraesCS2B03G0399200	1.35763	1.17404	UP	UP
7810	TraesCS2B03G0399600	1.15045	1.63127	UP	UP
7813	TraesCS2B03G0400700	0.80392	1.65718	No	No
7814	TraesCS2B03G0401100	1.20975	1.38322	UP	UP
7815	TraesCS2B03G0401400	1.14381	1.50902	UP	UP
7817	TraesCS2B03G0405400	0.90467	1.17861	No	No
7818	TraesCS2B03G0405700	1.11523	1.03528	UP	UP
7819	TraesCS2B03G0406100	1.15178	1.6231	UP	UP
7821	TraesCS2B03G0406400	1.01317	0.69726	No	No
7822	TraesCS2B03G0407300	0.9447	1.05574	No	No
7823	TraesCS2B03G0408900	1.47087	0.70338	No	No
7824	TraesCS2B03G0409000	0.86559	0.76249	Down	Down
7825	TraesCS2B03G0409200	0.92309	1.36752	No	No
7826	TraesCS2B03G0409300	0.60876	1.79174	No	No
7827	TraesCS2B03G0409400	0.97076	1.46492	No	No
7828	TraesCS2B03G0409500	0.74313	0.60122	Down	Down
7829	TraesCS2B03G0409800	1.09125	0.31745	Up	Down
7830	TraesCS2B03G0411400	1.33843	0.72098	No	No
7831	TraesCS2B03G0412600	0.74078	1.54833	No	No
7832	TraesCS2B03G0412800	0.82631	2.84178	Down	Up
7833	TraesCS2B03G0413500	1.30608	0.57243	No	No
7834	TraesCS2B03G0415800	0.86216	1.40267	No	No
7835	TraesCS2B03G0415900	1.19224	1.74281	UP	UP
7837	TraesCS2B03G0418900	0.70241	1.77159	No	No
7838	TraesCS2B03G0419200	0.8779	0.45617	Down	Down
7839	TraesCS2B03G0419300	0.70358	2.17332	Down	Up
7840	TraesCS2B03G0419400	0.58556	0.9006	Down	Down
7841	TraesCS2B03G0419600	0.94451	2.5392	Down	Up
7842	TraesCS2B03G0421100	0.84414	1.04956	No	No
7843	TraesCS2B03G0421200	0.93718	1.16148	No	No
7844	TraesCS2B03G0422000	0.7064	5.09972	Down	Up
7845	TraesCS2B03G0422200	0.72625	1.00679	No	No
7846	TraesCS2B03G0422300	0.96085	0.95768	Down	Down
7848	TraesCS2B03G0425100	0.77089	0.95849	Down	Down
7849	TraesCS2B03G0425200	1.53138	1.10953	UP	UP
7850	TraesCS2B03G0426100	1.68498	1.12441	UP	UP
7851	TraesCS2B03G0426500	0.95122	1.35581	No	No
7852	TraesCS2B03G0427400	1.0225	0.48947	Up	Down
7853	TraesCS2B03G0427900	0.78502	0.89351	Down	Down
7854	TraesCS2B03G0428000	1.40384	1.15936	UP	UP
7855	TraesCS2B03G0428200	0.93607	1.79231	No	No
7856	TraesCS2B03G0429700	1.132	0.91073	No	No
7857	TraesCS2B03G0430300	0.6483	2.39633	Down	Up
7859	TraesCS2B03G0430900	0.69236	1.59319	No	No
7860	TraesCS2B03G0431200	0.9309	2.54121	Down	Up
7861	TraesCS2B03G0432300	1.34206	0.33063	Up	Down
7862	TraesCS2B03G0433700	1.24801	1.38083	UP	UP
7863	TraesCS2B03G0434400	0.80132	0.70294	Down	Down
7864	TraesCS2B03G0434500	0.67692	1.51141	No	No
7865	TraesCS2B03G0434600	1.08615	1.12216	UP	UP

7866	TraesCS2B03G0436000	0.70368	1.29121	No	No
7867	TraesCS2B03G0436500	0.96067	0.75785	Down	Down
7868	TraesCS2B03G0436600	0.78691	1.60414	No	No
7869	TraesCS2B03G0436600	1.42641	1.47193	UP	UP
7870	TraesCS2B03G0436800	1.03692	1.3488	UP	UP
7872	TraesCS2B03G0437100	0.86291	1.41377	No	No
7873	TraesCS2B03G0437500	0.87079	2.42304	Down	Up
7874	TraesCS2B03G0437700	0.92624	0.77271	Down	Down
7875	TraesCS2B03G0437800	1.01947	0.74868	No	No
7876	TraesCS2B03G0438000	0.91509	2.7872	Down	Up
7877	TraesCS2B03G0438500	0.72349	1.68758	No	No
7878	TraesCS2B03G0438600	0.77539	0.7015	Down	Down
7879	TraesCS2B03G0439000	1.26489	0.87024	No	No
7881	TraesCS2B03G0439500	0.80358	1.63568	No	No
7882	TraesCS2B03G0441100	0.70147	0.38222	Down	Down
7883	TraesCS2B03G0441200	0.81247	1.00526	No	No
7884	TraesCS2B03G0441300	0.76393	2.63472	Down	Up
7885	TraesCS2B03G0441700	0.54523	3.0208	Down	Up
7886	TraesCS2B03G0442000	1.03523	1.62065	UP	UP
7887	TraesCS2B03G0442600	0.7972	0.99826	Down	Down
7888	TraesCS2B03G0442800	0.90946	1.65595	No	No
7889	TraesCS2B03G0442900	1.73116	0.53528	No	No
7890	TraesCS2B03G0444000	0.80523	0.92188	Down	Down
7891	TraesCS2B03G0444200	0.75583	1.2323	No	No
7892	TraesCS2B03G0444400	1.0792	1.34418	UP	UP
7893	TraesCS2B03G0445100	0.6958	0.77145	Down	Down
7894	TraesCS2B03G0447400	0.63918	0.23237	Down	Down
7896	TraesCS2B03G0447800	0.77241	1.00621	No	No
7897	TraesCS2B03G0448500	1.52396	0.97806	No	No
7898	TraesCS2B03G0449500	1.15505	0.45708	Up	Down
7899	TraesCS2B03G0449600	1.05321	0.93544	No	No
7900	TraesCS2B03G0449800	0.686	1.11228	No	No
7901	TraesCS2B03G0450100	0.99213	1.38684	No	No
7902	TraesCS2B03G0452300	0.56942	2.23658	Down	Up
7903	TraesCS2B03G0452400	1.53488	1.59872	UP	UP
7904	TraesCS2B03G0452500	1.32019	2.94576	Up	Up
7905	TraesCS2B03G0453000	0.718	13.9028	Down	Up
7906	TraesCS2B03G0453600	1.73767	0.92288	No	No
7907	TraesCS2B03G0454200	0.81842	1.53398	No	No
7908	TraesCS2B03G0455000	1.0054	1.11076	UP	UP
7909	TraesCS2B03G0455100	0.94531	0.58227	Down	Down
7910	TraesCS2B03G0455200	1.06129	0.26015	Up	Down
7911	TraesCS2B03G0455700	1.19894	1.57575	UP	UP
7912	TraesCS2B03G0455900	0.67092	0.77663	Down	Down
7913	TraesCS2B03G0456000	1.14701	3.55158	Up	Up
7914	TraesCS2B03G0456400	0.62145	2.91581	Down	Up
7915	TraesCS2B03G0456900	0.74731	2.01261	Down	Up
7916	TraesCS2B03G0457100	0.54191	2.25796	Down	Up
7917	TraesCS2B03G0457600	0.79085	1.86533	No	No
7918	TraesCS2B03G0458500	0.90155	1.70579	No	No
7921	TraesCS2B03G0459300	0.73956	3.54198	Down	Up
7922	TraesCS2B03G0460300	0.63951	2.5406	Down	Up

7923	TraesCS2B03G0460400	0.79095	1.43562	No	No
7924	TraesCS2B03G0460500	0.79065	0.87822	Down	Down
7925	TraesCS2B03G0462300	1.08066	1.09353	UP	UP
7926	TraesCS2B03G0462500	1.31231	1.16765	UP	UP
7928	TraesCS2B03G0463700	0.70129	1.84246	No	No
7929	TraesCS2B03G0463800	0.99483	0.35423	Down	Down
7930	TraesCS2B03G0464000	0.78923	1.52181	No	No
7931	TraesCS2B03G0465100	1.81498	0.42405	Up	Down
7932	TraesCS2B03G0465200	0.63839	1.27201	No	No
7933	TraesCS2B03G0465200	0.70992	1.16355	No	No
7934	TraesCS2B03G0466200	1.45333	1.52965	UP	UP
7936	TraesCS2B03G0467100	0.64956	0.34	Down	Down
7937	TraesCS2B03G0467200	0.79318	1.67346	No	No
7938	TraesCS2B03G0468800	0.94243	0.99377	Down	Down
7939	TraesCS2B03G0469400	0.71176	1.25879	No	No
7940	TraesCS2B03G0469500	0.73173	0.6198	Down	Down
7941	TraesCS2B03G0469600	1.62812	0.53625	No	No
7943	TraesCS2B03G0470500	1.04946	0.57397	No	No
7945	TraesCS2B03G0471100	0.87345	1.66508	No	No
7946	TraesCS2B03G0471600	0.9594	0.78794	Down	Down
7947	TraesCS2B03G0471700	0.87869	1.74966	No	No
7948	TraesCS2B03G0472100	0.76974	2.73286	Down	Up
7949	TraesCS2B03G0472500	5.99736	0.06059	Up	Down
7950	TraesCS2B03G0473200	0.78001	1.19714	No	No
7951	TraesCS2B03G0473600	1.02041	1.91827	UP	UP
7952	TraesCS2B03G0473900	1.71144	3.33211	Up	Up
7953	TraesCS2B03G0474800	0.60974	1.0262	No	No
7954	TraesCS2B03G0474900	0.97513	1.21648	No	No
7955	TraesCS2B03G0475000	0.73944	1.51586	No	No
7956	TraesCS2B03G0475100	1.00484	0.6998	No	No
7957	TraesCS2B03G0475600	0.91254	1.27071	No	No
7958	TraesCS2B03G0476300	1.22502	1.10279	UP	UP
7959	TraesCS2B03G0476500	0.68667	1.49029	No	No
7961	TraesCS2B03G0476700	1.28277	1.00906	UP	UP
7962	TraesCS2B03G0476900	1.44756	1.4489	UP	UP
7963	TraesCS2B03G0477700	0.59868	1.14823	No	No
7964	TraesCS2B03G0478200	0.98994	1.2754	No	No
7965	TraesCS2B03G0478500	0.97531	1.35508	No	No
7966	TraesCS2B03G0478600	0.75175	1.19513	No	No
7967	TraesCS2B03G0478700	1.27757	0.4949	Up	Down
7968	TraesCS2B03G0478800	1.22238	0.33672	Up	Down
7969	TraesCS2B03G0478900	1.47811	0.8193	No	No
7970	TraesCS2B03G0480700	1.02299	0.2994	Up	Down
7971	TraesCS2B03G0481700	0.7178	1.58688	No	No
7975	TraesCS2B03G0482500	0.22528	1.71262	Down	Up
7976	TraesCS2B03G0484500	0.99482	0.46434	Down	Down
7977	TraesCS2B03G0485200	0.81533	1.12778	No	No
7978	TraesCS2B03G0486400	1.49701	0.73755	No	No
7979	TraesCS2B03G0486400	1.05951	0.36011	Up	Down
7980	TraesCS2B03G0486800	0.75223	1.28909	No	No
7982	TraesCS2B03G0488900	1.09447	1.3979	UP	UP
7983	TraesCS2B03G0489100	0.96788	0.24128	Down	Down

7984	TraesCS2B03G0491900	0.97596	1.17676	No	No
7985	TraesCS2B03G0492100	1.05517	0.38869	Up	Down
7986	TraesCS2B03G0492800	1.61678	0.16364	Up	Down
7987	TraesCS2B03G0493900	0.63918	0.9221	Down	Down
7988	TraesCS2B03G0495700	0.99863	0.69051	Down	Down
7989	TraesCS2B03G0497600	1.18614	0.84103	No	No
7990	TraesCS2B03G0498300	1.0456	0.90295	No	No
7991	TraesCS2B03G0498400	0.85374	1.19846	No	No
7992	TraesCS2B03G0500400	0.9722	0.89565	Down	Down
7998	TraesCS2B03G0503200	1.18713	1.04869	UP	UP
7999	TraesCS2B03G0503500	1.11055	1.59318	UP	UP
8000	TraesCS2B03G0503600	1.12769	0.85931	No	No
8005	TraesCS2B03G0505400	0.99053	0.51312	Down	Down
8006	TraesCS2B03G0505800	0.83399	4.53023	Down	Up
8007	TraesCS2B03G0506200	1.42107	1.3435	UP	UP
8008	TraesCS2B03G0506300	0.67737	0.47193	Down	Down
8009	TraesCS2B03G0506800	1.2941	0.28454	Up	Down
8012	TraesCS2B03G0507600	0.55329	1.50397	No	No
8013	TraesCS2B03G0508900	0.92974	1.62342	No	No
8014	TraesCS2B03G0513100	0.75458	0.5375	Down	Down
8015	TraesCS2B03G0513700	0.73166	0.41411	Down	Down
8016	TraesCS2B03G0514300	0.77629	7.40879	Down	Up
8017	TraesCS2B03G0514500	0.8755	1.28284	No	No
8018	TraesCS2B03G0514600	1.0096	3.25302	Up	Up
8019	TraesCS2B03G0514900	0.93629	1.11167	No	No
8023	TraesCS2B03G0516800	1.12232	1.11265	UP	UP
8024	TraesCS2B03G0516900	0.60976	1.58838	No	No
8025	TraesCS2B03G0517200	0.81388	1.82721	No	No
8028	TraesCS2B03G0518500	1.05096	1.79947	UP	UP
8029	TraesCS2B03G0518600	1.15022	1.16797	UP	UP
8030	TraesCS2B03G0519200	0.84765	1.46562	No	No
8031	TraesCS2B03G0520100	1.15507	0.85166	No	No
8032	TraesCS2B03G0520900	0.75967	6.90182	Down	Up
8033	TraesCS2B03G0521100	0.9016	0.81028	Down	Down
8034	TraesCS2B03G0522100	0.92898	1.14147	No	No
8035	TraesCS2B03G0522200	1.58302	0.76938	No	No
8036	TraesCS2B03G0522400	1.68367	1.42262	UP	UP
8037	TraesCS2B03G0522600	1.09022	0.14338	Up	Down
8038	TraesCS2B03G0523400	0.74034	2.28188	Down	Up
8039	TraesCS2B03G0523400	1.10882	0.72607	No	No
8041	TraesCS2B03G0526000	1.25455	0.69114	No	No
8042	TraesCS2B03G0526100	1.00457	1.67938	UP	UP
8043	TraesCS2B03G0526500	0.97704	0.81759	Down	Down
8044	TraesCS2B03G0526600	0.80766	1.30121	No	No
8045	TraesCS2B03G0527200	0.91655	0.2587	Down	Down
8047	TraesCS2B03G0527900	1.69088	1.91696	UP	UP
8048	TraesCS2B03G0528100	0.80255	3.41066	Down	Up
8049	TraesCS2B03G0528500	0.82279	0.57279	Down	Down
8050	TraesCS2B03G0528800	1.13083	1.12325	UP	UP
8051	TraesCS2B03G0528900	0.6827	1.14739	No	No
8054	TraesCS2B03G0529300	0.85789	2.31858	Down	Up
8055	TraesCS2B03G0529800	0.63587	1.66671	No	No

8056	TraesCS2B03G0530500	0.65858	2.23413	Down	Up
8058	TraesCS2B03G0531700	1.18255	1.26186	UP	UP
8059	TraesCS2B03G0531700	1.17801	0.69271	No	No
8061	TraesCS2B03G0531900	0.77376	1.1165	No	No
8062	TraesCS2B03G0532100	0.90846	1.52427	No	No
8063	TraesCS2B03G0532800	0.72158	0.14315	Down	Down
8064	TraesCS2B03G0533000	0.83724	1.37513	No	No
8065	TraesCS2B03G0533600	0.91047	0.92913	Down	Down
8066	TraesCS2B03G0533800	0.6686	2.25235	Down	Up
8067	TraesCS2B03G0535000	0.76087	1.0538	No	No
8068	TraesCS2B03G0536500	0.93577	0.96153	Down	Down
8069	TraesCS2B03G0537300	0.88044	0.99064	Down	Down
8070	TraesCS2B03G0537500	0.59223	3.3558	Down	Up
8071	TraesCS2B03G0537600	0.73232	2.39262	Down	Up
8072	TraesCS2B03G0538600	0.48933	0.9122	Down	Down
8073	TraesCS2B03G0538800	0.92574	2.1988	Down	Up
8074	TraesCS2B03G0539300	1.05337	0.89535	No	No
8075	TraesCS2B03G0540400	0.77428	1.53832	No	No
8076	TraesCS2B03G0540800	0.83676	1.92439	No	No
8077	TraesCS2B03G0540900	0.98805	0.9999	Down	Down
8078	TraesCS2B03G0541100	1.10919	1.11627	UP	UP
8079	TraesCS2B03G0541200	0.99342	0.96268	Down	Down
8080	TraesCS2B03G0541300	1.07388	1.16545	UP	UP
8082	TraesCS2B03G0541800	1.09333	1.18408	UP	UP
8083	TraesCS2B03G0541900	0.96933	0.98891	Down	Down
8084	TraesCS2B03G0543000	1.01207	0.5149	No	No
8085	TraesCS2B03G0543900	0.5393	1.13418	No	No
8086	TraesCS2B03G0544100	1.13944	0.84273	No	No
8087	TraesCS2B03G0544300	0.78454	10.401	Down	Up
8088	TraesCS2B03G0544400	1.17381	0.86323	No	No
8089	TraesCS2B03G0545400	0.51015	1.60908	No	No
8090	TraesCS2B03G0545700	0.87709	0.41664	Down	Down
8091	TraesCS2B03G0546200	1.10753	1.73324	UP	UP
8092	TraesCS2B03G0546300	0.80471	0.30926	Down	Down
8093	TraesCS2B03G0546700	0.86649	1.11622	No	No
8094	TraesCS2B03G0547300	1.04309	2.15371	Up	Up
8096	TraesCS2B03G0549000	1.05857	0.93261	No	No
8097	TraesCS2B03G0549100	0.93647	1.19872	No	No
8099	TraesCS2B03G0549800	1.00207	1.47691	UP	UP
8100	TraesCS2B03G0550100	1.38684	0.86054	No	No
8101	TraesCS2B03G0550200	0.88557	0.90375	Down	Down
8102	TraesCS2B03G0550300	0.79182	0.33451	Down	Down
8103	TraesCS2B03G0550500	0.83369	1.5169	No	No
8104	TraesCS2B03G0551000	0.77432	1.45451	No	No
8105	TraesCS2B03G0551900	1.36585	1.30722	UP	UP
8106	TraesCS2B03G0552200	1.42792	1.16798	UP	UP
8107	TraesCS2B03G0552400	0.83082	0.74835	Down	Down
8108	TraesCS2B03G0552900	0.87747	1.07382	No	No
8109	TraesCS2B03G0553100	0.8603	0.58779	Down	Down
8110	TraesCS2B03G0553200	0.57149	1.66342	No	No
8111	TraesCS2B03G0553500	0.88693	1.15636	No	No
8112	TraesCS2B03G0554800	1.03092	0.92851	No	No

8113	TraesCS2B03G0555400	0.86701	0.5374	Down	Down
8114	TraesCS2B03G0556000	0.49285	1.05478	Down	Up
8115	TraesCS2B03G0556100	1.03217	1.19862	UP	UP
8116	TraesCS2B03G0557100	1.20305	1.18247	UP	UP
8117	TraesCS2B03G0557200	1.05216	1.17968	UP	UP
8118	TraesCS2B03G0557800	1.03456	0.87692	No	No
8119	TraesCS2B03G0559500	0.76931	1.62942	No	No
8121	TraesCS2B03G0560000	3.1374	2.27947	Up	Up
8122	TraesCS2B03G0560200	0.91332	1.33209	No	No
8123	TraesCS2B03G0560400	0.92412	0.55201	Down	Down
8124	TraesCS2B03G0560500	0.88087	0.1291	Down	Down
8126	TraesCS2B03G0560800	0.98035	0.94927	Down	Down
8127	TraesCS2B03G0561300	0.92093	0.6803	Down	Down
8128	TraesCS2B03G0562200	0.81428	1.0337	No	No
8129	TraesCS2B03G0562400	0.94526	1.10521	No	No
8132	TraesCS2B03G0563200	1.76114	1.73992	UP	UP
8133	TraesCS2B03G0563500	0.99675	0.42733	Down	Down
8135	TraesCS2B03G0563700	0.96954	0.9021	Down	Down
8136	TraesCS2B03G0564200	1.15118	1.06777	UP	UP
8137	TraesCS2B03G0566600	0.78661	1.00092	No	No
8138	TraesCS2B03G0568100	1.23226	1.13438	UP	UP
8139	TraesCS2B03G0568500	0.7561	1.53854	No	No
8140	TraesCS2B03G0570900	0.61556	1.12172	No	No
8141	TraesCS2B03G0571100	2.3149	1.0991	Up	Up
8142	TraesCS2B03G0572100	1.07974	2.19161	Up	Up
8143	TraesCS2B03G0572300	0.86708	1.36237	No	No
8144	TraesCS2B03G0575400	0.91856	1.05728	No	No
8145	TraesCS2B03G0575800	1.15083	1.12018	UP	UP
8146	TraesCS2B03G0576400	1.20153	0.29753	Up	Down
8147	TraesCS2B03G0576500	1.47382	0.77477	No	No
8148	TraesCS2B03G0577700	0.60164	2.40759	Down	Up
8149	TraesCS2B03G0577800	0.63771	1.07273	No	No
8150	TraesCS2B03G0577800	0.81087	2.49981	Down	Up
8152	TraesCS2B03G0579500	1.34289	0.72978	No	No
8153	TraesCS2B03G0579500	1.17474	0.87574	No	No
8154	TraesCS2B03G0579800	1.4424	0.6568	No	No
8155	TraesCS2B03G0579900	0.9878	0.67494	Down	Down
8156	TraesCS2B03G0580300	1.02884	0.85507	No	No
8157	TraesCS2B03G0580800	0.97812	0.81224	Down	Down
8158	TraesCS2B03G0580900	0.6734	0.29048	Down	Down
8159	TraesCS2B03G0582000	0.88845	1.01522	No	No
8160	TraesCS2B03G0582600	0.95654	1.58459	No	No
8161	TraesCS2B03G0583000	1.20806	5.40521	Up	Up
8162	TraesCS2B03G0584900	0.65452	4.34173	Down	Up
8163	TraesCS2B03G0585000	0.83809	1.55849	No	No
8165	TraesCS2B03G0586400	1.06146	2.06889	Up	Up
8167	TraesCS2B03G0586900	1.58423	4.57184	Up	Up
8168	TraesCS2B03G0587100	1.16986	3.7613	Up	Up
8169	TraesCS2B03G0587900	0.95061	1.10819	No	No
8170	TraesCS2B03G0588000	0.84651	1.50929	No	No
8171	TraesCS2B03G0588000	0.79756	0.82133	Down	Down
8172	TraesCS2B03G0588500	1.01119	0.7705	No	No

8173	TraesCS2B03G0588700	1.10687	0.72877	No	No
8174	TraesCS2B03G0589200	2.09823	10.0803	Up	Up
8175	TraesCS2B03G0589300	0.67151	0.54443	Down	Down
8176	TraesCS2B03G0589500	1.32459	1.38987	UP	UP
8179	TraesCS2B03G0592000	1.13953	1.78124	UP	UP
8180	TraesCS2B03G0592100	1.84981	1.8399	UP	UP
8182	TraesCS2B03G0593300	0.5599	1.10994	No	No
8184	TraesCS2B03G0594200	1.08984	2.10488	Up	Up
8185	TraesCS2B03G0594600	1.107	1.29561	UP	UP
8186	TraesCS2B03G0595000	1.0344	0.43945	Up	Down
8187	TraesCS2B03G0595300	0.75147	0.54877	Down	Down
8188	TraesCS2B03G0597800	0.98639	1.10562	No	No
8189	TraesCS2B03G0598000	0.90597	0.89309	Down	Down
8190	TraesCS2B03G0598400	0.53121	2.27654	Down	Up
8191	TraesCS2B03G0598700	1.01966	0.97367	No	No
8192	TraesCS2B03G0599000	1.67666	2.14839	UP	UP
8193	TraesCS2B03G0599100	2.23216	0.97522	Up	Down
8195	TraesCS2B03G0599300	1.26742	1.0278	UP	UP
8196	TraesCS2B03G0599300	1.0715	0.52023	No	No
8197	TraesCS2B03G0599600	0.93803	2.40075	Down	Up
8198	TraesCS2B03G0599700	0.65386	0.89518	Down	Down
8200	TraesCS2B03G0600200	1.44755	1.18194	UP	UP
8201	TraesCS2B03G0600400	0.87502	1.3926	No	No
8202	TraesCS2B03G0600500	0.79552	0.39347	Down	Down
8204	TraesCS2B03G0601200	1.01667	1.04925	UP	UP
8205	TraesCS2B03G0601600	0.94977	0.97952	Down	Down
8206	TraesCS2B03G0601800	1.01295	1.52527	UP	UP
8207	TraesCS2B03G0602600	0.92731	1.89923	No	No
8208	TraesCS2B03G0603000	1.00111	0.86843	No	No
8209	TraesCS2B03G0603800	1.28568	0.27776	Up	Down
8210	TraesCS2B03G0604000	1.05716	0.47415	Up	Down
8211	TraesCS2B03G0604300	1.17525	0.77896	No	No
8214	TraesCS2B03G0605400	0.90498	0.91161	Down	Down
8215	TraesCS2B03G0605800	0.92189	1.05508	No	No
8216	TraesCS2B03G0605900	1.02127	1.09126	UP	UP
8217	TraesCS2B03G0606200	1.20755	1.69122	UP	UP
8220	TraesCS2B03G0606800	1.07042	1.54041	UP	UP
8221	TraesCS2B03G0607100	0.72785	2.46475	Down	Up
8222	TraesCS2B03G0608700	0.71122	1.15393	No	No
8223	TraesCS2B03G0609000	0.97147	0.8257	Down	Down
8224	TraesCS2B03G0609700	0.82209	1.45502	No	No
8225	TraesCS2B03G0611700	1.12847	0.59835	No	No
8226	TraesCS2B03G0612700	0.35668	1.21315	Down	Up
8231	TraesCS2B03G0616600	1.51005	1.02226	UP	UP
8232	TraesCS2B03G0617500	0.96318	1.02024	No	No
8233	TraesCS2B03G0617600	1.24575	0.80381	No	No
8234	TraesCS2B03G0617700	1.06825	0.66376	No	No
8235	TraesCS2B03G0617900	0.66588	0.69146	Down	Down
8238	TraesCS2B03G0619000	1.03372	1.18624	UP	UP
8239	TraesCS2B03G0620400	1.45529	1.318	UP	UP
8240	TraesCS2B03G0620500	0.68966	1.1505	No	No
8243	TraesCS2B03G0621500	1.23281	1.03509	UP	UP

8245	TraesCS2B03G0622000	0.77704	1.4824	No	No
8246	TraesCS2B03G0622100	0.55868	0.72583	Down	Down
8249	TraesCS2B03G0624000	1.07994	1.18354	UP	UP
8253	TraesCS2B03G0625900	0.91297	1.61655	No	No
8254	TraesCS2B03G0627300	0.81865	1.01862	No	No
8255	TraesCS2B03G0628100	1.00153	0.97252	No	No
8259	TraesCS2B03G0629700	0.67306	0.3815	Down	Down
8260	TraesCS2B03G0629700	0.31282	0.18077	Down	Down
8263	TraesCS2B03G0630300	1.07082	2.09215	Up	Up
8264	TraesCS2B03G0630300	1.46741	0.74477	No	No
8265	TraesCS2B03G0630700	0.63883	2.44808	Down	Up
8266	TraesCS2B03G0632300	1.01828	1.15745	UP	UP
8269	TraesCS2B03G0633300	1.0984	1.87838	UP	UP
8270	TraesCS2B03G0633800	0.98769	2.68519	Down	Up
8273	TraesCS2B03G0638900	1.18548	0.35108	Up	Down
8277	TraesCS2B03G0639700	1.18651	0.50439	No	No
8278	TraesCS2B03G0639900	1.29492	1.07115	UP	UP
8280	TraesCS2B03G0640900	1.12813	0.83129	No	No
8282	TraesCS2B03G0642800	0.83118	0.72819	Down	Down
8284	TraesCS2B03G0643300	1.51958	0.90508	No	No
8285	TraesCS2B03G0643700	0.75041	1.10164	No	No
8288	TraesCS2B03G0646300	1.33853	0.91527	No	No
8289	TraesCS2B03G0647200	1.52091	2.14949	Up	Up
8292	TraesCS2B03G0648000	0.82664	0.41487	Down	Down
8294	TraesCS2B03G0649800	1.01871	0.55182	No	No
8296	TraesCS2B03G0650200	1.12325	1.01343	UP	UP
8297	TraesCS2B03G0650400	1.31233	1.0619	UP	UP
8299	TraesCS2B03G0650800	1.57737	1.79213	UP	UP
8300	TraesCS2B03G0650800	1.49235	0.56458	No	No
8301	TraesCS2B03G0652200	0.89888	1.11625	No	No
8302	TraesCS2B03G0652600	0.94012	1.19542	No	No
8303	TraesCS2B03G0654200	0.67612	0.85311	Down	Down
8304	TraesCS2B03G0654900	1.27211	1.44161	UP	UP
8306	TraesCS2B03G0655300	0.69157	0.39306	Down	Down
8307	TraesCS2B03G0655700	1.20979	0.98797	No	No
8308	TraesCS2B03G0656900	0.95733	0.63421	Down	Down
8309	TraesCS2B03G0657800	1.22931	1.09773	UP	UP
8312	TraesCS2B03G0659500	1.01771	0.62544	No	No
8314	TraesCS2B03G0659900	0.95476	0.7112	Down	Down
8315	TraesCS2B03G0660200	1.32263	1.36292	UP	UP
8316	TraesCS2B03G0660400	0.87243	1.7961	No	No
8317	TraesCS2B03G0660700	0.45607	1.26425	Down	Up
8323	TraesCS2B03G0664600	1.09292	1.2765	UP	UP
8324	TraesCS2B03G0665600	1.19718	0.76695	No	No
8327	TraesCS2B03G0667000	0.73621	2.2372	Down	Up
8329	TraesCS2B03G0667900	0.96669	1.08255	No	No
8330	TraesCS2B03G0669100	1.17316	1.27546	UP	UP
8331	TraesCS2B03G0671100	0.82333	1.29787	No	No
8332	TraesCS2B03G0671500	0.55732	1.62235	No	No
8333	TraesCS2B03G0672200	1.03056	1.32257	UP	UP
8334	TraesCS2B03G0673000	1.11817	1.28672	UP	UP
8335	TraesCS2B03G0673900	1.07544	1.35762	UP	UP

8336	TraesCS2B03G0676300	1.02673	0.96894	No	No
8337	TraesCS2B03G0677200	1.12635	0.66703	No	No
8338	TraesCS2B03G0677400	0.78917	1.2297	No	No
8339	TraesCS2B03G0678000	1.10464	1.49787	UP	UP
8340	TraesCS2B03G0679100	0.82238	0.52542	Down	Down
8341	TraesCS2B03G0679200	0.87498	1.19649	No	No
8347	TraesCS2B03G0689500	1.02452	1.03133	UP	UP
8348	TraesCS2B03G0689800	1.15321	0.66091	No	No
8349	TraesCS2B03G0690200	1.26395	1.03102	UP	UP
8350	TraesCS2B03G0690600	1.04758	0.78383	No	No
8351	TraesCS2B03G0690800	0.70879	1.26604	No	No
8352	TraesCS2B03G0693200	1.0897	1.22899	UP	UP
8353	TraesCS2B03G0693800	1.27196	3.60855	Up	Up
8354	TraesCS2B03G0693900	1.24905	0.32039	Up	Down
8355	TraesCS2B03G0694100	0.90826	0.76929	Down	Down
8359	TraesCS2B03G0694700	0.94042	1.23907	No	No
8360	TraesCS2B03G0695000	0.86921	0.3571	Down	Down
8361	TraesCS2B03G0695300	1.12405	0.78758	No	No
8362	TraesCS2B03G0695400	1.74914	1.59573	UP	UP
8363	TraesCS2B03G0695400	1.29462	1.1404	UP	UP
8364	TraesCS2B03G0695500	2.02442	0.5499	Up	Down
8365	TraesCS2B03G0695800	0.88294	0.41735	Down	Down
8366	TraesCS2B03G0695900	0.84519	0.25357	Down	Down
8367	TraesCS2B03G0696000	1.41395	0.94873	No	No
8368	TraesCS2B03G0696100	0.88965	0.93811	Down	Down
8369	TraesCS2B03G0697300	1.67684	0.34367	Up	Down
8371	TraesCS2B03G0698600	0.95449	0.18218	Down	Down
8373	TraesCS2B03G0699400	1.11004	1.22032	UP	UP
8374	TraesCS2B03G0699600	0.78456	0.8048	Down	Down
8375	TraesCS2B03G0699900	0.7955	2.12411	Down	Up
8378	TraesCS2B03G0701500	0.61882	0.40987	Down	Down
8380	TraesCS2B03G0702300	1.09881	0.85606	No	No
8381	TraesCS2B03G0702400	0.96619	1.73417	No	No
8383	TraesCS2B03G0703200	0.66136	0.80012	Down	Down
8384	TraesCS2B03G0703300	2.39487	0.81379	Up	Down
8385	TraesCS2B03G0703800	0.52102	1.75883	No	No
8387	TraesCS2B03G0704100	0.78083	0.71912	Down	Down
8388	TraesCS2B03G0704600	0.60972	0.72055	Down	Down
8389	TraesCS2B03G0704800	1.0709	0.69848	No	No
8390	TraesCS2B03G0705000	0.84365	0.28832	Down	Down
8391	TraesCS2B03G0705400	0.77592	0.95694	Down	Down
8392	TraesCS2B03G0705900	0.79681	0.99265	Down	Down
8393	TraesCS2B03G0708000	0.84502	0.44248	Down	Down
8394	TraesCS2B03G0709300	1.02043	0.56253	No	No
8395	TraesCS2B03G0709700	0.69905	1.18933	No	No
8397	TraesCS2B03G0710100	1.20618	0.24455	Up	Down
8398	TraesCS2B03G0710500	0.71505	0.4935	Down	Down
8399	TraesCS2B03G0710500	1.10835	1.33561	UP	UP
8401	TraesCS2B03G0711100	0.99822	2.10211	Down	Up
8402	TraesCS2B03G0711300	0.70301	4.79768	Down	Up
8403	TraesCS2B03G0711500	0.98353	1.16605	No	No
8406	TraesCS2B03G0714200	0.69727	0.76869	Down	Down

8407	TraesCS2B03G0714500	1.03957	1.03991	UP	UP
8408	TraesCS2B03G0714900	0.71727	2.18337	Down	Up
8409	TraesCS2B03G0715000	1.31142	2.23349	Up	Up
8410	TraesCS2B03G0715200	0.99889	1.97063	No	No
8412	TraesCS2B03G0716700	1.20909	1.52911	UP	UP
8413	TraesCS2B03G0716800	1.26546	2.03941	Up	Up
8418	TraesCS2B03G0719200	1.25926	1.02646	UP	UP
8419	TraesCS2B03G0719300	1.30242	1.45782	UP	UP
8420	TraesCS2B03G0719500	1.58592	0.56031	No	No
8421	TraesCS2B03G0719700	0.6924	0.85274	Down	Down
8422	TraesCS2B03G0720600	0.71274	1.80943	No	No
8423	TraesCS2B03G0720800	1.57824	1.69427	UP	UP
8426	TraesCS2B03G0721900	1.16399	0.33245	Up	Down
8432	TraesCS2B03G0722700	0.58905	0.82168	Down	Down
8433	TraesCS2B03G0722700	1.95582	0.85991	No	No
8434	TraesCS2B03G0722900	0.90001	1.52424	No	No
8435	TraesCS2B03G0722900	1.27012	4.80978	Up	Up
8437	TraesCS2B03G0723900	1.15216	0.91385	No	No
8438	TraesCS2B03G0725100	0.85728	0.29651	Down	Down
8439	TraesCS2B03G0725300	0.87832	0.65803	Down	Down
8440	TraesCS2B03G0725400	0.82114	0.99801	Down	Down
8441	TraesCS2B03G0726100	1.04513	1.35212	UP	UP
8442	TraesCS2B03G0726300	0.88833	0.85048	Down	Down
8443	TraesCS2B03G0726700	1.29802	0.52423	No	No
8444	TraesCS2B03G0727100	1.07951	0.51208	No	No
8445	TraesCS2B03G0727900	0.40567	0.97732	Down	Down
8446	TraesCS2B03G0728500	0.9576	0.69616	Down	Down
8447	TraesCS2B03G0728900	0.7867	1.28902	No	No
8448	TraesCS2B03G0729400	1.00205	1.00235	UP	UP
8450	TraesCS2B03G0729700	1.16399	0.89508	No	No
8451	TraesCS2B03G0730000	1.09982	0.44798	Up	Down
8453	TraesCS2B03G0731100	0.94258	1.04816	No	No
8454	TraesCS2B03G0731200	0.75698	7.50699	Down	Up
8455	TraesCS2B03G0731300	1.13032	0.73382	No	No
8456	TraesCS2B03G0736500	1.14625	0.73693	No	No
8457	TraesCS2B03G0736500	2.03614	1.13188	Up	Up
8458	TraesCS2B03G0739700	0.99074	1.72432	No	No
8459	TraesCS2B03G0740400	0.7188	1.44777	No	No
8460	TraesCS2B03G0740700	0.92547	0.96824	Down	Down
8461	TraesCS2B03G0741000	1.02958	1.25333	UP	UP
8462	TraesCS2B03G0741800	0.86111	1.63707	No	No
8465	TraesCS2B03G0744400	0.83	0.59173	Down	Down
8466	TraesCS2B03G0745000	1.3716	0.30598	Up	Down
8467	TraesCS2B03G0745400	1.08257	0.57069	No	No
8468	TraesCS2B03G0745700	1.27443	0.51638	No	No
8469	TraesCS2B03G0746500	0.77646	0.13902	Down	Down
8470	TraesCS2B03G0746600	1.17527	1.29925	UP	UP
8471	TraesCS2B03G0747000	1.10053	0.7279	No	No
8472	TraesCS2B03G0747000	1.27261	0.65917	No	No
8473	TraesCS2B03G0747100	1.69088	1.59972	UP	UP
8474	TraesCS2B03G0747600	0.95367	0.80936	Down	Down
8476	TraesCS2B03G0748000	1.65859	0.10158	Up	Down

8477	TraesCS2B03G0748500	0.67937	0.60229	Down	Down
8479	TraesCS2B03G0749300	1.04665	0.99271	No	No
8480	TraesCS2B03G0749500	0.83325	3.14651	Down	Up
8481	TraesCS2B03G0749600	0.84881	1.41363	No	No
8482	TraesCS2B03G0750400	1.09121	0.61365	No	No
8483	TraesCS2B03G0750500	0.87701	1.52245	No	No
8484	TraesCS2B03G0750600	1.07317	1.029	UP	UP
8485	TraesCS2B03G0750800	1.17376	1.30951	UP	UP
8486	TraesCS2B03G0753300	0.58978	3.75343	Down	Up
8487	TraesCS2B03G0754200	0.71743	1.00774	No	No
8488	TraesCS2B03G0754300	1.05233	1.32669	UP	UP
8490	TraesCS2B03G0754700	1.13665	1.32412	UP	UP
8491	TraesCS2B03G0754800	1.13766	0.32595	Up	Down
8493	TraesCS2B03G0756600	0.60301	0.54068	Down	Down
8495	TraesCS2B03G0756800	0.89638	0.66982	Down	Down
8496	TraesCS2B03G0756900	0.96458	1.71002	No	No
8497	TraesCS2B03G0757100	0.73746	1.51975	No	No
8498	TraesCS2B03G0757500	1.15067	1.08819	UP	UP
8499	TraesCS2B03G0758000	1.50613	0.89304	No	No
8500	TraesCS2B03G0758200	0.76772	1.04832	No	No
8501	TraesCS2B03G0758400	0.52374	1.4915	No	No
8502	TraesCS2B03G0759200	0.88927	0.71883	Down	Down
8504	TraesCS2B03G0760200	0.85605	1.30067	No	No
8505	TraesCS2B03G0761100	0.65713	3.27356	Down	Up
8506	TraesCS2B03G0761900	0.88598	0.93201	Down	Down
8507	TraesCS2B03G0762400	0.94364	0.47943	Down	Down
8509	TraesCS2B03G0762700	1.54378	1.42783	UP	UP
8511	TraesCS2B03G0763500	0.94754	2.08598	Down	Up
8512	TraesCS2B03G0763600	0.84343	0.67038	Down	Down
8513	TraesCS2B03G0764100	1.3566	0.97231	No	No
8515	TraesCS2B03G0765700	0.66865	0.50509	Down	Down
8516	TraesCS2B03G0766500	0.86171	0.90956	Down	Down
8517	TraesCS2B03G0766500	0.72211	1.23768	No	No
8518	TraesCS2B03G0767000	1.10631	1.49156	UP	UP
8521	TraesCS2B03G0768100	1.00647	6.10959	Up	Up
8523	TraesCS2B03G0771100	1.11278	1.0204	UP	UP
8524	TraesCS2B03G0771200	0.86354	1.26952	No	No
8532	TraesCS2B03G0773700	1.80088	0.61391	No	No
8533	TraesCS2B03G0773900	0.73412	1.16937	No	No
8534	TraesCS2B03G0774100	0.63701	1.8955	No	No
8535	TraesCS2B03G0774300	0.89409	1.41323	No	No
8539	TraesCS2B03G0774900	0.89297	1.30628	No	No
8540	TraesCS2B03G0775600	1.39622	17.056	Up	Up
8541	TraesCS2B03G0775600	0.14952	0.13142	Down	Down
8543	TraesCS2B03G0776000	1.50707	1.47753	UP	UP
8544	TraesCS2B03G0776100	0.90403	0.78746	Down	Down
8545	TraesCS2B03G0777600	0.90598	2.07025	Down	Up
8546	TraesCS2B03G0778400	1.0126	1.59112	UP	UP
8547	TraesCS2B03G0778700	0.88993	0.98295	Down	Down
8548	TraesCS2B03G0778800	0.71021	2.05127	Down	Up
8549	TraesCS2B03G0779000	1.06735	0.25266	Up	Down
8550	TraesCS2B03G0779300	0.98009	1.51604	No	No

8551	TraesCS2B03G0781000	0.95817	0.78183	Down	Down
8552	TraesCS2B03G0781600	0.59282	1.31924	No	No
8553	TraesCS2B03G0781700	0.69809	0.83326	Down	Down
8554	TraesCS2B03G0781900	1.37881	0.62734	No	No
8555	TraesCS2B03G0782400	0.94712	1.09884	No	No
8556	TraesCS2B03G0783600	1.07255	1.00332	UP	UP
8558	TraesCS2B03G0784400	1.04096	1.03235	UP	UP
8559	TraesCS2B03G0784700	1.31008	3.88865	Up	Up
8560	TraesCS2B03G0784800	0.81883	0.7478	Down	Down
8561	TraesCS2B03G0785200	1.24007	1.16462	UP	UP
8562	TraesCS2B03G0785300	0.91926	0.70478	Down	Down
8563	TraesCS2B03G0785300	0.92141	1.28621	No	No
8565	TraesCS2B03G0787100	0.84307	1.60301	No	No
8566	TraesCS2B03G0787100	1.03243	2.6408	Up	Up
8567	TraesCS2B03G0787200	0.72796	0.8913	Down	Down
8568	TraesCS2B03G0787700	0.81765	0.91257	Down	Down
8570	TraesCS2B03G0788200	0.82385	1.26655	No	No
8571	TraesCS2B03G0788700	1.01191	1.3093	UP	UP
8572	TraesCS2B03G0789800	1.26235	0.48544	Up	Down
8573	TraesCS2B03G0790800	1.35008	0.27241	Up	Down
8574	TraesCS2B03G0791200	1.00849	0.94641	No	No
8575	TraesCS2B03G0792100	0.54962	2.64722	Down	Up
8576	TraesCS2B03G0792600	1.16849	1.63775	UP	UP
8577	TraesCS2B03G0793000	1.07314	2.43053	Up	Up
8578	TraesCS2B03G0793300	0.94888	3.28619	Down	Up
8579	TraesCS2B03G0793700	1.18341	0.76025	No	No
8580	TraesCS2B03G0794200	0.68132	1.13781	No	No
8581	TraesCS2B03G0794900	0.99724	0.80655	Down	Down
8582	TraesCS2B03G0795600	0.99737	0.77285	Down	Down
8583	TraesCS2B03G0795700	1.02566	0.76349	No	No
8584	TraesCS2B03G0796000	0.74237	1.08193	No	No
8585	TraesCS2B03G0796100	2.05735	0.30596	Up	Down
8586	TraesCS2B03G0796100	1.50993	0.28927	Up	Down
8587	TraesCS2B03G0796600	1.11895	1.49485	UP	UP
8590	TraesCS2B03G0797500	0.55243	0.51179	Down	Down
8591	TraesCS2B03G0797800	0.82532	1.27238	No	No
8592	TraesCS2B03G0797900	0.70827	1.58012	No	No
8596	TraesCS2B03G0798700	1.07668	0.99852	No	No
8597	TraesCS2B03G0799600	1.1369	0.4505	Up	Down
8598	TraesCS2B03G0799700	0.3438	5.74822	Down	Up
8600	TraesCS2B03G0800500	1.37351	0.51618	No	No
8601	TraesCS2B03G0800700	1.29136	1.31788	UP	UP
8602	TraesCS2B03G0800800	0.86284	1.72189	No	No
8603	TraesCS2B03G0801100	1.77559	4.06688	Up	Up
8604	TraesCS2B03G0801700	1.42023	1.31064	UP	UP
8605	TraesCS2B03G0802000	1.01128	0.89613	No	No
8607	TraesCS2B03G0802300	1.21532	0.57616	No	No
8608	TraesCS2B03G0803000	1.09098	0.279	Up	Down
8609	TraesCS2B03G0803300	0.98732	0.56067	Down	Down
8610	TraesCS2B03G0803900	1.03888	0.28747	Up	Down
8611	TraesCS2B03G0804000	0.83859	0.66455	Down	Down
8612	TraesCS2B03G0804900	0.97888	0.89492	Down	Down

8613	TraesCS2B03G0805400	1.20592	1.52986	UP	UP
8614	TraesCS2B03G0805500	1.10982	0.85332	No	No
8615	TraesCS2B03G0805700	0.33891	5.35454	Down	Up
8616	TraesCS2B03G0805800	0.63412	1.52013	No	No
8617	TraesCS2B03G0806700	0.9767	1.33747	No	No
8618	TraesCS2B03G0807300	1.1676	1.6021	UP	UP
8619	TraesCS2B03G0808000	0.97671	0.51058	Down	Down
8620	TraesCS2B03G0808200	0.97067	0.94987	Down	Down
8621	TraesCS2B03G0808300	1.17442	0.58445	No	No
8622	TraesCS2B03G0808400	1.09926	0.75755	No	No
8623	TraesCS2B03G0808800	0.72696	0.98748	Down	Down
8625	TraesCS2B03G0809600	1.30451	0.95061	No	No
8626	TraesCS2B03G0809700	0.59447	1.33242	No	No
8627	TraesCS2B03G0811300	1.61942	0.63716	No	No
8628	TraesCS2B03G0811400	1.05704	1.76667	UP	UP
8629	TraesCS2B03G0811800	0.5405	0.29926	Down	Down
8630	TraesCS2B03G0813000	0.83889	1.48173	No	No
8631	TraesCS2B03G0814100	0.85117	1.18062	No	No
8632	TraesCS2B03G0814300	1.03875	0.82051	No	No
8633	TraesCS2B03G0814400	1.05294	1.07943	UP	UP
8634	TraesCS2B03G0814800	0.62409	1.78181	No	No
8635	TraesCS2B03G0814900	0.86783	0.58528	Down	Down
8636	TraesCS2B03G0815100	0.64721	0.23653	Down	Down
8638	TraesCS2B03G0816500	1.04398	1.13266	UP	UP
8639	TraesCS2B03G0816500	2.46198	1.0828	Up	Up
8640	TraesCS2B03G0817600	0.93867	0.49314	Down	Down
8641	TraesCS2B03G0817900	0.73147	0.49027	Down	Down
8642	TraesCS2B03G0818200	1.00811	1.08842	UP	UP
8643	TraesCS2B03G0819800	0.68781	1.55214	No	No
8644	TraesCS2B03G0820100	1.28233	3.27719	Up	Up
8645	TraesCS2B03G0820800	0.60023	2.68905	Down	Up
8646	TraesCS2B03G0821500	1.25718	0.29624	Up	Down
8647	TraesCS2B03G0821900	2.03762	0.67599	Up	Down
8648	TraesCS2B03G0822100	1.18062	1.29044	UP	UP
8649	TraesCS2B03G0822900	1.06915	1.6712	UP	UP
8650	TraesCS2B03G0823300	0.88153	1.3246	No	No
8651	TraesCS2B03G0823400	1.26838	0.2855	Up	Down
8652	TraesCS2B03G0825100	1.08922	0.48261	Up	Down
8653	TraesCS2B03G0825600	0.75531	1.87764	No	No
8654	TraesCS2B03G0825900	0.74554	0.17393	Down	Down
8656	TraesCS2B03G0828300	1.23592	1.01912	UP	UP
8657	TraesCS2B03G0829200	2.61621	0.18924	Up	Down
8658	TraesCS2B03G0830100	0.64604	1.75746	No	No
8659	TraesCS2B03G0831500	0.65959	9.51513	Down	Up
8661	TraesCS2B03G0832100	0.97461	0.87716	Down	Down
8662	TraesCS2B03G0832300	1.10982	0.77379	No	No
8663	TraesCS2B03G0832400	1.07303	0.6286	No	No
8664	TraesCS2B03G0832500	1.00756	0.77117	No	No
8665	TraesCS2B03G0833100	1.01333	1.00553	UP	UP
8666	TraesCS2B03G0833100	1.33595	0.69976	No	No
8667	TraesCS2B03G0834100	0.85934	1.35502	No	No
8668	TraesCS2B03G0834600	0.82408	0.94327	Down	Down

8669	TraesCS2B03G0834800	0.57965	1.40188	No	No
8670	TraesCS2B03G0835000	1.03372	1.07718	UP	UP
8671	TraesCS2B03G0835100	1.04243	1.43402	UP	UP
8672	TraesCS2B03G0835400	1.08526	1.08503	UP	UP
8673	TraesCS2B03G0836400	1.3779	1.31544	UP	UP
8675	TraesCS2B03G0838300	0.68435	1.26245	No	No
8678	TraesCS2B03G0839500	1.50283	2.21683	Up	Up
8679	TraesCS2B03G0841500	0.60177	1.93816	No	No
8680	TraesCS2B03G0841600	1.44741	0.63289	No	No
8682	TraesCS2B03G0841900	1.22515	0.46779	Up	Down
8683	TraesCS2B03G0843100	1.05833	2.90162	Up	Up
8684	TraesCS2B03G0843100	0.92411	2.42984	Down	Up
8686	TraesCS2B03G0843400	1.07062	0.86975	No	No
8687	TraesCS2B03G0843700	0.98175	3.02566	Down	Up
8688	TraesCS2B03G0843800	2.86593	2.25469	Up	Up
8689	TraesCS2B03G0843900	0.88924	1.56904	No	No
8690	TraesCS2B03G0844600	0.79544	0.75185	Down	Down
8691	TraesCS2B03G0845400	0.812	1.2489	No	No
8692	TraesCS2B03G0845600	0.77137	1.20968	No	No
8693	TraesCS2B03G0846500	0.71538	0.87356	Down	Down
8694	TraesCS2B03G0846600	0.93247	0.86238	Down	Down
8695	TraesCS2B03G0847700	0.81102	0.88373	Down	Down
8696	TraesCS2B03G0849100	1.04319	1.02212	UP	UP
8697	TraesCS2B03G0849300	0.70993	1.49392	No	No
8701	TraesCS2B03G0852700	0.80834	2.78246	Down	Up
8702	TraesCS2B03G0852800	0.65468	0.29201	Down	Down
8703	TraesCS2B03G0853200	0.89211	0.73972	Down	Down
8704	TraesCS2B03G0853700	0.77322	1.23666	No	No
8705	TraesCS2B03G0854700	1.17852	2.2456	Up	Up
8706	TraesCS2B03G0855000	1.32417	1.26649	UP	UP
8707	TraesCS2B03G0855500	2.25977	1.21832	Up	Up
8709	TraesCS2B03G0856200	0.5894	0.53566	Down	Down
8710	TraesCS2B03G0857000	0.99397	1.05169	No	No
8711	TraesCS2B03G0857000	1.16485	1.18136	UP	UP
8713	TraesCS2B03G0857700	1.0402	1.45764	UP	UP
8715	TraesCS2B03G0858800	0.94475	0.05592	Down	Down
8716	TraesCS2B03G0860100	1.00697	0.46509	Up	Down
8717	TraesCS2B03G0860500	1.0883	1.46093	UP	UP
8719	TraesCS2B03G0865200	0.95121	2.64763	Down	Up
8720	TraesCS2B03G0865300	0.99325	0.72305	Down	Down
8721	TraesCS2B03G0865400	0.93539	0.51814	Down	Down
8722	TraesCS2B03G0865500	0.97174	1.68343	No	No
8723	TraesCS2B03G0865600	2.06456	0.30463	Up	Down
8724	TraesCS2B03G0866400	0.91351	2.95941	Down	Up
8725	TraesCS2B03G0866700	0.96993	1.04257	No	No
8726	TraesCS2B03G0867000	0.86635	1.25919	No	No
8727	TraesCS2B03G0867100	0.9188	0.34555	Down	Down
8728	TraesCS2B03G0867600	1.02691	1.67605	UP	UP
8729	TraesCS2B03G0868300	1.34443	1.08372	UP	UP
8730	TraesCS2B03G0868400	6.5191	1.47535	Up	Up
8731	TraesCS2B03G0869500	1.64454	1.13472	UP	UP
8732	TraesCS2B03G0869800	0.9352	0.54351	Down	Down

8733	TraesCS2B03G0869900	0.94159	0.69852	Down	Down
8734	TraesCS2B03G0871000	0.65618	0.96516	Down	Down
8735	TraesCS2B03G0871800	0.7118	0.97853	Down	Down
8736	TraesCS2B03G0871900	0.92809	0.32554	Down	Down
8737	TraesCS2B03G0872000	1.40559	1.22522	UP	UP
8738	TraesCS2B03G0872100	0.49074	5.55024	Down	Up
8739	TraesCS2B03G0872500	0.8913	4.45017	Down	Up
8740	TraesCS2B03G0872800	0.71511	1.39647	No	No
8741	TraesCS2B03G0873000	0.51037	5.23252	Down	Up
8742	TraesCS2B03G0873400	0.59616	0.69161	Down	Down
8743	TraesCS2B03G0873700	0.98465	1.03741	No	No
8744	TraesCS2B03G0874500	0.72281	1.65726	No	No
8745	TraesCS2B03G0876800	0.92752	1.25721	No	No
8746	TraesCS2B03G0877400	1.53039	1.13836	UP	UP
8747	TraesCS2B03G0878700	1.59845	0.57438	No	No
8749	TraesCS2B03G0879600	1.88101	0.95254	No	No
8750	TraesCS2B03G0881100	1.34732	1.09401	UP	UP
8751	TraesCS2B03G0882500	1.59417	0.74531	No	No
8752	TraesCS2B03G0883100	0.7352	0.48899	Down	Down
8753	TraesCS2B03G0883400	0.83389	1.93728	No	No
8754	TraesCS2B03G0883400	0.62912	1.61089	No	No
8755	TraesCS2B03G0884000	1.02816	1.33354	UP	UP
8757	TraesCS2B03G0885800	0.72499	0.18343	Down	Down
8758	TraesCS2B03G0886000	1.0622	1.91901	UP	UP
8759	TraesCS2B03G0886100	0.48975	2.7246	Down	Up
8760	TraesCS2B03G0887400	0.77913	4.99924	Down	Up
8761	TraesCS2B03G0887500	1.38343	0.97645	No	No
8762	TraesCS2B03G0887900	1.11367	2.91309	Up	Up
8763	TraesCS2B03G0888200	1.40749	4.58361	Up	Up
8764	TraesCS2B03G0889000	0.79308	0.42191	Down	Down
8765	TraesCS2B03G0889300	0.96491	0.27824	Down	Down
8766	TraesCS2B03G0889600	0.73194	2.23406	Down	Up
8767	TraesCS2B03G0890200	0.72284	0.85263	Down	Down
8768	TraesCS2B03G0890600	0.54815	1.6983	No	No
8769	TraesCS2B03G0891300	0.97647	2.26203	Down	Up
8770	TraesCS2B03G0891400	0.89132	1.05867	No	No
8771	TraesCS2B03G0891700	0.77848	0.98886	Down	Down
8772	TraesCS2B03G0893300	0.97926	0.78761	Down	Down
8773	TraesCS2B03G0894100	0.91727	0.24799	Down	Down
8774	TraesCS2B03G0894300	0.58177	1.34827	No	No
8775	TraesCS2B03G0894500	1.22491	1.17502	UP	UP
8776	TraesCS2B03G0894600	0.46237	0.90269	Down	Down
8777	TraesCS2B03G0895200	0.95998	0.47857	Down	Down
8778	TraesCS2B03G0895500	1.00287	8.75426	Up	Up
8779	TraesCS2B03G0895600	0.94152	1.27455	No	No
8780	TraesCS2B03G0895700	1.11127	0.79121	No	No
8781	TraesCS2B03G0895800	1.27277	1.60602	UP	UP
8782	TraesCS2B03G0896400	1.0621	0.99378	No	No
8784	TraesCS2B03G0897500	0.81907	0.51183	Down	Down
8785	TraesCS2B03G0899600	0.90525	0.78125	Down	Down
8786	TraesCS2B03G0899700	1.13963	1.13598	UP	UP
8787	TraesCS2B03G0899900	1.14482	1.05511	UP	UP

8788	TraesCS2B03G0900800	0.76876	0.90902	Down	Down
8790	TraesCS2B03G0901500	0.47262	4.36637	Down	Up
8791	TraesCS2B03G0901800	0.70831	31.4993	Down	Up
8792	TraesCS2B03G0904900	0.98925	0.8382	Down	Down
8793	TraesCS2B03G0905000	1.85995	0.77541	No	No
8794	TraesCS2B03G0905100	0.87991	1.88348	No	No
8795	TraesCS2B03G0905200	0.85954	1.06059	No	No
8796	TraesCS2B03G0905400	1.75404	0.6657	No	No
8797	TraesCS2B03G0905800	0.92451	1.22787	No	No
8798	TraesCS2B03G0906300	1.26327	1.05597	UP	UP
8799	TraesCS2B03G0906400	1.16557	0.42726	Up	Down
8802	TraesCS2B03G0909000	1.06965	0.98331	No	No
8803	TraesCS2B03G0909700	1.02989	1.40225	UP	UP
8804	TraesCS2B03G0909800	1.0573	1.12338	UP	UP
8805	TraesCS2B03G0912700	0.96188	0.71729	Down	Down
8806	TraesCS2B03G0912900	1.07719	1.76015	UP	UP
8807	TraesCS2B03G0913700	1.22248	0.73465	No	No
8809	TraesCS2B03G0914900	0.98813	1.58999	No	No
8810	TraesCS2B03G0918400	0.79566	1.12506	No	No
8811	TraesCS2B03G0918500	11.1854	0.25137	Up	Down
8812	TraesCS2B03G0919400	0.67203	1.65298	No	No
8813	TraesCS2B03G0919500	0.88974	0.67155	Down	Down
8814	TraesCS2B03G0919700	0.8282	0.95909	Down	Down
8815	TraesCS2B03G0920600	0.9961	1.3717	No	No
8816	TraesCS2B03G0920700	0.99105	1.36694	No	No
8817	TraesCS2B03G0921100	1.05751	1.04708	UP	UP
8818	TraesCS2B03G0922200	1.17292	0.80425	No	No
8819	TraesCS2B03G0922400	1.1418	2.79184	Up	Up
8820	TraesCS2B03G0922700	0.87399	0.61709	Down	Down
8821	TraesCS2B03G0922800	1.01415	0.84235	No	No
8822	TraesCS2B03G0923000	1.00096	2.12902	Up	Up
8823	TraesCS2B03G0923100	1.16517	0.80445	No	No
8824	TraesCS2B03G0924300	0.95085	0.93739	Down	Down
8825	TraesCS2B03G0925100	0.84534	0.59481	Down	Down
8826	TraesCS2B03G0926300	0.76714	0.56303	Down	Down
8827	TraesCS2B03G0927400	0.89661	1.53949	No	No
8828	TraesCS2B03G0927500	0.69819	4.28998	Down	Up
8829	TraesCS2B03G0928200	2.19368	0.49411	Up	Down
8830	TraesCS2B03G0928300	0.85013	0.80252	Down	Down
8831	TraesCS2B03G0928300	1.71048	2.93728	Up	Up
8832	TraesCS2B03G0928400	1.84293	0.48911	Up	Down
8833	TraesCS2B03G0929200	1.21642	1.24671	UP	UP
8835	TraesCS2B03G0929800	0.83044	0.86946	Down	Down
8836	TraesCS2B03G0930700	0.90379	0.92759	Down	Down
8837	TraesCS2B03G0930800	0.90622	1.32929	No	No
8838	TraesCS2B03G0930900	1.07087	1.42023	UP	UP
8839	TraesCS2B03G0932500	0.97373	0.98739	Down	Down
8840	TraesCS2B03G0932700	0.85349	4.59246	Down	Up
8841	TraesCS2B03G0933300	0.87227	0.90161	Down	Down
8842	TraesCS2B03G0933400	1.32028	0.75951	No	No
8843	TraesCS2B03G0933600	0.93056	0.39928	Down	Down
8845	TraesCS2B03G0934800	1.13138	0.90928	No	No

8846	TraesCS2B03G0935300	1.19117	2.46019	Up	Up
8848	TraesCS2B03G0935800	0.84361	8.77228	Down	Up
8849	TraesCS2B03G0936000	0.79269	2.91073	Down	Up
8850	TraesCS2B03G0936200	0.71135	0.69613	Down	Down
8851	TraesCS2B03G0936300	0.57935	2.61316	Down	Up
8852	TraesCS2B03G0936400	0.71496	0.93724	Down	Down
8853	TraesCS2B03G0937300	1.07386	0.51107	No	No
8858	TraesCS2B03G0940400	0.9181	0.8349	Down	Down
8860	TraesCS2B03G0941400	1.15273	1.13291	UP	UP
8861	TraesCS2B03G0942000	0.9455	0.51591	Down	Down
8862	TraesCS2B03G0944400	0.9389	1.60794	No	No
8863	TraesCS2B03G0944500	1.55458	2.03306	UP	UP
8864	TraesCS2B03G0944700	0.77369	0.35083	Down	Down
8865	TraesCS2B03G0945000	0.81266	0.58318	Down	Down
8866	TraesCS2B03G0945100	3.37072	4.10876	Up	Up
8867	TraesCS2B03G0945400	1.5016	0.17743	Up	Down
8869	TraesCS2B03G0946000	1.2841	0.93487	No	No
8870	TraesCS2B03G0946200	1.11481	2.05197	Up	Up
8871	TraesCS2B03G0946500	1.16894	1.15464	UP	UP
8872	TraesCS2B03G0947100	1.06209	0.89304	No	No
8873	TraesCS2B03G0947200	0.9184	1.09777	No	No
8874	TraesCS2B03G0947300	1.29842	0.60045	No	No
8875	TraesCS2B03G0949900	0.47556	7.34457	Down	Up
8876	TraesCS2B03G0950100	0.59138	10.0783	Down	Up
8877	TraesCS2B03G0950200	1.52541	1.12099	UP	UP
8878	TraesCS2B03G0950500	1.44185	2.07482	Up	Up
8879	TraesCS2B03G0950700	0.94661	0.33161	Down	Down
8882	TraesCS2B03G0951700	1.29344	1.25546	UP	UP
8883	TraesCS2B03G0952500	0.91287	0.67001	Down	Down
8884	TraesCS2B03G0952800	0.96416	0.67935	Down	Down
8886	TraesCS2B03G0953100	1.24976	1.65377	UP	UP
8888	TraesCS2B03G0954100	0.56843	2.62541	Down	Up
8890	TraesCS2B03G0955000	1.03746	1.25151	UP	UP
8892	TraesCS2B03G0955700	1.07836	3.23108	Up	Up
8893	TraesCS2B03G0956500	1.12463	1.61448	UP	UP
8894	TraesCS2B03G0956600	0.90643	1.14444	No	No
8895	TraesCS2B03G0956700	0.71323	0.99225	Down	Down
8896	TraesCS2B03G0957000	1.17747	0.90081	No	No
8897	TraesCS2B03G0957300	0.71348	0.86826	Down	Down
8899	TraesCS2B03G0958400	1.0316	0.34058	Up	Down
8900	TraesCS2B03G0958400	1.19278	1.16782	UP	UP
8901	TraesCS2B03G0958500	0.98139	1.41485	No	No
8902	TraesCS2B03G0958900	1.06282	0.82541	No	No
8903	TraesCS2B03G0959500	1.65289	0.99551	No	No
8904	TraesCS2B03G0959900	0.82682	0.67337	Down	Down
8905	TraesCS2B03G0960000	0.84392	0.71707	Down	Down
8907	TraesCS2B03G0962700	0.76242	1.82228	No	No
8908	TraesCS2B03G0962800	1.11624	0.47223	Up	Down
8911	TraesCS2B03G0965200	0.65675	1.11945	No	No
8912	TraesCS2B03G0965300	1.00863	0.58648	No	No
8913	TraesCS2B03G0966000	0.9606	1.07605	No	No
8914	TraesCS2B03G0966100	1.01961	0.89919	No	No

8915	TraesCS2B03G0966100	0.98181	0.98572	Down	Down
8916	TraesCS2B03G0966300	1.12697	1.20858	UP	UP
8917	TraesCS2B03G0966400	0.88265	0.73544	Down	Down
8918	TraesCS2B03G0967300	0.45663	2.68561	Down	Up
8919	TraesCS2B03G0967500	2.51751	0.5154	Up	Down
8920	TraesCS2B03G0967600	1.15365	0.46341	Up	Down
8921	TraesCS2B03G0967800	1.17166	0.74851	No	No
8922	TraesCS2B03G0968000	0.90786	1.04995	No	No
8923	TraesCS2B03G0968100	0.69638	2.92912	Down	Up
8924	TraesCS2B03G0968500	0.99761	0.55775	Down	Down
8926	TraesCS2B03G0969100	0.649	7.4719	Down	Up
8927	TraesCS2B03G0969200	1.28375	1.77951	UP	UP
8928	TraesCS2B03G0969300	0.70061	1.40005	No	No
8929	TraesCS2B03G0969500	1.03907	0.23812	Up	Down
8930	TraesCS2B03G0970800	0.87547	0.59085	Down	Down
8931	TraesCS2B03G0970900	0.93034	1.17874	No	No
8932	TraesCS2B03G0971000	1.19054	1.85265	UP	UP
8933	TraesCS2B03G0971400	0.78413	1.07559	No	No
8935	TraesCS2B03G0974600	1.12533	0.7875	No	No
8936	TraesCS2B03G0975100	1.03368	0.26204	Up	Down
8939	TraesCS2B03G0976600	0.87607	1.04968	No	No
8940	TraesCS2B03G0977600	0.80343	2.37092	Down	Up
8941	TraesCS2B03G0978200	0.8829	1.06428	No	No
8942	TraesCS2B03G0978300	1.23708	1.18021	UP	UP
8943	TraesCS2B03G0979500	0.74332	0.52209	Down	Down
8946	TraesCS2B03G0981700	0.82891	0.61075	Down	Down
8947	TraesCS2B03G0983100	0.70251	0.65574	Down	Down
8948	TraesCS2B03G0983300	0.75264	2.16738	Down	Up
8949	TraesCS2B03G0983500	1.22558	0.88609	No	No
8950	TraesCS2B03G0984000	0.92634	1.13815	No	No
8951	TraesCS2B03G0984300	1.15101	1.2044	UP	UP
8952	TraesCS2B03G0985900	1.12377	1.01566	UP	UP
8953	TraesCS2B03G0986400	1.12617	1.20565	UP	UP
8954	TraesCS2B03G0987900	1.0177	0.64103	No	No
8955	TraesCS2B03G0988000	1.31193	0.44347	Up	Down
8956	TraesCS2B03G0988500	1.19626	0.79007	No	No
8957	TraesCS2B03G0988700	0.74576	1.01585	No	No
8958	TraesCS2B03G0988800	1.11602	0.97552	No	No
8959	TraesCS2B03G0989500	0.91923	1.24393	No	No
8960	TraesCS2B03G0990200	1.59581	1.11277	UP	UP
8961	TraesCS2B03G0990700	1.53219	0.27322	Up	Down
8963	TraesCS2B03G0991400	0.83111	0.88195	Down	Down
8965	TraesCS2B03G0994400	1.04595	0.61782	No	No
8966	TraesCS2B03G0994500	0.69229	2.01064	Down	Up
8967	TraesCS2B03G0994800	1.17394	0.96779	No	No
8968	TraesCS2B03G0994800	0.93134	1.2619	No	No
8969	TraesCS2B03G0995100	0.84126	3.60892	Down	Up
8970	TraesCS2B03G0995200	0.63297	1.88688	No	No
8971	TraesCS2B03G0995300	0.75048	1.07601	No	No
8972	TraesCS2B03G0995500	1.25512	0.68378	No	No
8973	TraesCS2B03G0995800	1.36479	0.68743	No	No
8974	TraesCS2B03G0996000	1.14872	0.65508	No	No

8975	TraesCS2B03G0996100	1.28476	1.78821	UP	UP
8976	TraesCS2B03G0996200	1.21481	1.13266	UP	UP
8977	TraesCS2B03G0996700	0.84819	0.9915	Down	Down
8978	TraesCS2B03G0997100	0.99172	1.57347	No	No
8979	TraesCS2B03G0997900	1.06419	1.05806	UP	UP
8980	TraesCS2B03G0998500	0.63193	0.81792	Down	Down
8983	TraesCS2B03G0999400	1.73281	1.15882	UP	UP
8984	TraesCS2B03G0999500	0.80625	1.32316	No	No
8985	TraesCS2B03G0999600	0.90362	3.7772	Down	Up
8986	TraesCS2B03G0999700	0.97833	1.02519	No	No
8987	TraesCS2B03G0999800	1.04924	1.71994	UP	UP
8989	TraesCS2B03G1001600	0.84638	1.17192	No	No
8990	TraesCS2B03G1002200	1.06993	0.71791	No	No
8991	TraesCS2B03G1002900	0.66647	0.90553	Down	Down
8992	TraesCS2B03G1003200	1.25534	0.29738	Up	Down
8993	TraesCS2B03G1004300	1.28853	0.64906	No	No
8994	TraesCS2B03G1004500	0.7011	0.68067	Down	Down
8995	TraesCS2B03G1005100	0.96265	1.92498	No	No
8996	TraesCS2B03G1006500	1.23481	0.91209	No	No
8997	TraesCS2B03G1007000	0.9166	0.40391	Down	Down
8998	TraesCS2B03G1007400	2.05449	2.0583	UP	UP
8999	TraesCS2B03G1008700	0.83087	1.95606	No	No
9000	TraesCS2B03G1008900	1.36891	0.97697	No	No
9001	TraesCS2B03G1009000	1.16773	1.90584	UP	UP
9002	TraesCS2B03G1009100	2.06366	0.24806	Up	Down
9003	TraesCS2B03G1009400	2.59279	0.12496	Up	Down
9004	TraesCS2B03G1009700	1.11025	0.92149	No	No
9005	TraesCS2B03G1010300	3.17128	0.25908	Up	Down
9006	TraesCS2B03G1010800	0.44052	0.92659	Down	Down
9007	TraesCS2B03G1013400	0.8524	3.29831	Down	Up
9010	TraesCS2B03G1016700	0.86479	0.80296	Down	Down
9011	TraesCS2B03G1017100	1.90922	1.83301	UP	UP
9012	TraesCS2B03G1017200	1.62997	1.00743	UP	UP
9013	TraesCS2B03G1017400	1.00183	2.27368	Up	Up
9014	TraesCS2B03G1018900	0.60654	0.73449	Down	Down
9015	TraesCS2B03G1019600	0.83968	2.08701	Down	Up
9016	TraesCS2B03G1020100	0.80293	1.44151	No	No
9017	TraesCS2B03G1020600	0.95183	1.2495	No	No
9019	TraesCS2B03G1021700	1.36303	0.2165	Up	Down
9020	TraesCS2B03G1022000	1.66905	0.07307	Up	Down
9021	TraesCS2B03G1022500	1.30956	0.54995	No	No
9022	TraesCS2B03G1023300	1.64506	1.15925	UP	UP
9023	TraesCS2B03G1024200	1.1312	0.99857	No	No
9024	TraesCS2B03G1025600	0.51521	3.37764	Down	Up
9025	TraesCS2B03G1026200	1.56296	0.76342	No	No
9026	TraesCS2B03G1028400	1.03462	0.56611	No	No
9028	TraesCS2B03G1029400	0.97358	2.73139	Down	Up
9029	TraesCS2B03G1029600	1.01025	0.39277	Up	Down
9030	TraesCS2B03G1030000	1.25662	0.71509	No	No
9031	TraesCS2B03G1030900	1.01311	0.40742	Up	Down
9032	TraesCS2B03G1032000	1.05202	1.60749	UP	UP
9033	TraesCS2B03G1033300	1.08074	1.17197	UP	UP

9034	TraesCS2B03G1033400	0.98391	1.58594	No	No
9035	TraesCS2B03G1033800	2.32172	2.25157	UP	UP
9036	TraesCS2B03G1033800	2.22006	3.46953	Up	Up
9037	TraesCS2B03G1034000	0.92527	0.56487	Down	Down
9038	TraesCS2B03G1034800	0.91124	0.88191	Down	Down
9039	TraesCS2B03G1036800	0.69483	1.07792	No	No
9040	TraesCS2B03G1037800	1.69795	1.06071	UP	UP
9041	TraesCS2B03G1037900	0.73425	0.19593	Down	Down
9042	TraesCS2B03G1038000	0.41345	1.30815	Down	Up
9043	TraesCS2B03G1039500	0.63477	0.82665	Down	Down
9046	TraesCS2B03G1040500	0.93351	1.57164	No	No
9047	TraesCS2B03G1040700	0.88521	2.3836	Down	Up
9048	TraesCS2B03G1041200	1.01342	1.21235	UP	UP
9049	TraesCS2B03G1041400	0.75971	0.86501	Down	Down
9051	TraesCS2B03G1042000	1.07305	1.90449	UP	UP
9053	TraesCS2B03G1043700	0.86984	0.41015	Down	Down
9054	TraesCS2B03G1043900	1.03324	1.75332	UP	UP
9055	TraesCS2B03G1044500	1.06527	0.65846	No	No
9056	TraesCS2B03G1045500	0.63609	0.67627	Down	Down
9057	TraesCS2B03G1045600	1.00332	0.84493	No	No
9059	TraesCS2B03G1047500	1.51564	1.17682	UP	UP
9060	TraesCS2B03G1049000	2.04698	0.77789	Up	Down
9063	TraesCS2B03G1050500	0.21567	6.99908	Down	Up
9064	TraesCS2B03G1052100	0.52706	1.14137	No	No
9065	TraesCS2B03G1054100	0.70352	2.78943	Down	Up
9066	TraesCS2B03G1055300	0.85523	0.62228	Down	Down
9067	TraesCS2B03G1056300	1.28294	0.09386	Up	Down
9068	TraesCS2B03G1056500	1.07495	0.31186	Up	Down
9070	TraesCS2B03G1058100	0.95338	2.50098	Down	Up
9071	TraesCS2B03G1058200	0.94172	0.42262	Down	Down
9072	TraesCS2B03G1058700	1.20355	1.35439	UP	UP
9073	TraesCS2B03G1060400	0.81133	0.5083	Down	Down
9074	TraesCS2B03G1060500	1.09603	0.93404	No	No
9075	TraesCS2B03G1061700	1.55301	1.20051	UP	UP
9076	TraesCS2B03G1062100	1.35366	0.5227	No	No
9077	TraesCS2B03G1062700	0.88777	0.45564	Down	Down
9079	TraesCS2B03G1063800	0.90149	1.26623	No	No
9080	TraesCS2B03G1065300	1.18671	1.46951	UP	UP
9081	TraesCS2B03G1065400	0.79645	0.79486	Down	Down
9082	TraesCS2B03G1065600	1.52273	1.05772	UP	UP
9083	TraesCS2B03G1065900	0.93151	0.86038	Down	Down
9084	TraesCS2B03G1068200	1.21886	1.36314	UP	UP
9085	TraesCS2B03G1068300	0.39836	11.9467	Down	Up
9086	TraesCS2B03G1068500	0.62976	1.79444	No	No
9088	TraesCS2B03G1068700	0.91698	2.453	Down	Up
9089	TraesCS2B03G1068800	1.37873	4.18092	Up	Up
9090	TraesCS2B03G1069200	0.72019	0.66934	Down	Down
9091	TraesCS2B03G1069500	0.87283	0.82924	Down	Down
9092	TraesCS2B03G1070700	1.05868	1.41488	UP	UP
9094	TraesCS2B03G1071000	0.54163	1.58406	No	No
9095	TraesCS2B03G1073300	0.92518	1.20213	No	No
9096	TraesCS2B03G1073500	0.89418	1.18755	No	No

9097	TraesCS2B03G1074800	0.70081	0.96153	Down	Down
9098	TraesCS2B03G1075000	0.63945	0.84292	Down	Down
9099	TraesCS2B03G1075300	0.6008	0.74375	Down	Down
9100	TraesCS2B03G1075700	1.12795	2.68316	Up	Up
9101	TraesCS2B03G1077300	0.91704	1.46087	No	No
9102	TraesCS2B03G1077300	1.10121	1.19836	UP	UP
9104	TraesCS2B03G1080000	1.36017	1.55988	UP	UP
9105	TraesCS2B03G1081400	0.67788	1.33109	No	No
9107	TraesCS2B03G1081700	0.90391	2.17048	Down	Up
9108	TraesCS2B03G1081800	1.28955	10.4539	Up	Up
9109	TraesCS2B03G1082100	0.81428	1.48635	No	No
9110	TraesCS2B03G1082300	0.97806	0.75199	Down	Down
9111	TraesCS2B03G1082900	0.7707	0.78336	Down	Down
9113	TraesCS2B03G1083100	1.71139	0.2173	Up	Down
9114	TraesCS2B03G1083800	0.88788	0.95813	Down	Down
9115	TraesCS2B03G1084500	1.75337	1.68284	UP	UP
9116	TraesCS2B03G1085100	0.86505	2.10762	Down	Up
9118	TraesCS2B03G1086000	0.7521	1.19146	No	No
9119	TraesCS2B03G1088800	0.95852	0.83627	Down	Down
9120	TraesCS2B03G1089600	1.08751	3.86359	Up	Up
9121	TraesCS2B03G1090300	1.02863	0.33077	Up	Down
9122	TraesCS2B03G1091400	1.38157	0.47487	Up	Down
9123	TraesCS2B03G1092000	1.84284	0.39642	Up	Down
9124	TraesCS2B03G1092500	0.32918	2.46435	Down	Up
9125	TraesCS2B03G1093200	0.67234	1.74654	No	No
9126	TraesCS2B03G1094200	1.40284	1.22385	UP	UP
9128	TraesCS2B03G1094600	1.01016	1.84016	UP	UP
9129	TraesCS2B03G1095000	0.73621	0.72785	Down	Down
9130	TraesCS2B03G1095600	1.42613	0.3097	Up	Down
9131	TraesCS2B03G1097600	1.04151	3.35202	Up	Up
9132	TraesCS2B03G1099100	0.79616	0.61377	Down	Down
9133	TraesCS2B03G1101200	0.85975	0.38718	Down	Down
9134	TraesCS2B03G1103500	2.21858	0.62311	Up	Down
9135	TraesCS2B03G1103700	0.89086	0.88936	Down	Down
9136	TraesCS2B03G1105700	1.21817	1.22687	UP	UP
9137	TraesCS2B03G1105800	1.00039	0.75927	No	No
9138	TraesCS2B03G1105800	1.18895	1.19638	UP	UP
9140	TraesCS2B03G1107800	0.73669	0.95189	Down	Down
9141	TraesCS2B03G1108000	1.09002	1.58434	UP	UP
9142	TraesCS2B03G1108400	1.30459	1.52664	UP	UP
9143	TraesCS2B03G1109100	1.26534	0.65913	No	No
9144	TraesCS2B03G1109900	2.21458	1.91854	UP	UP
9145	TraesCS2B03G1112500	0.87178	1.08711	No	No
9146	TraesCS2B03G1112800	0.51648	1.77195	No	No
9147	TraesCS2B03G1114300	0.9761	1.11825	No	No
9148	TraesCS2B03G1114400	1.34835	3.69185	Up	Up
9149	TraesCS2B03G1115100	1.11212	0.8775	No	No
9150	TraesCS2B03G1116700	0.40478	2.57723	Down	Up
9151	TraesCS2B03G1117000	0.72751	1.66283	No	No
9152	TraesCS2B03G1117400	1.01263	0.35654	Up	Down
9153	TraesCS2B03G1118000	1.08294	0.84642	No	No
9154	TraesCS2B03G1118100	0.64	0.70397	Down	Down

9155	TraesCS2B03G1118900	1.70834	1.08024	UP	UP
9157	TraesCS2B03G1119500	0.91396	0.9158	Down	Down
9158	TraesCS2B03G1119800	1.34941	0.68378	No	No
9159	TraesCS2B03G1120000	0.62708	1.71565	No	No
9160	TraesCS2B03G1120600	0.97117	0.70508	Down	Down
9166	TraesCS2B03G1127400	1.13899	4.99018	Up	Up
9167	TraesCS2B03G1127500	0.37056	2.18137	Down	Up
9168	TraesCS2B03G1127800	1.02687	3.4977	Up	Up
9169	TraesCS2B03G1127900	0.62043	1.3443	No	No
9170	TraesCS2B03G1128000	1.10497	1.1702	UP	UP
9171	TraesCS2B03G1128600	1.17045	0.49523	Up	Down
9172	TraesCS2B03G1129000	1.18611	0.80325	No	No
9173	TraesCS2B03G1129400	0.78206	0.58724	Down	Down
9174	TraesCS2B03G1130800	0.86245	2.88842	Down	Up
9175	TraesCS2B03G1130900	0.29302	0.86934	Down	Down
9176	TraesCS2B03G1131500	0.87696	1.39924	No	No
9177	TraesCS2B03G1133200	0.31572	8.75452	Down	Up
9178	TraesCS2B03G1134600	0.94152	0.9683	Down	Down
9179	TraesCS2B03G1134700	0.358	9.23261	Down	Up
9180	TraesCS2B03G1134800	0.59745	0.94794	Down	Down
9181	TraesCS2B03G1134900	0.63761	1.2982	No	No
9182	TraesCS2B03G1135100	0.80278	0.72107	Down	Down
9183	TraesCS2B03G1137600	0.70357	0.83213	Down	Down
9184	TraesCS2B03G1138600	0.96302	0.46623	Down	Down
9185	TraesCS2B03G1138900	0.74559	13.9667	Down	Up
9187	TraesCS2B03G1140700	0.79894	9.15031	Down	Up
9188	TraesCS2B03G1140900	0.77718	2.84549	Down	Up
9189	TraesCS2B03G1144600	1.11399	0.7245	No	No
9190	TraesCS2B03G1144900	0.94952	2.5107	Down	Up
9191	TraesCS2B03G1144900	0.5919	0.56715	Down	Down
9192	TraesCS2B03G1146400	0.84081	1.25592	No	No
9193	TraesCS2B03G1148200	1.11381	5.10473	Up	Up
9194	TraesCS2B03G1148300	0.94244	0.67358	Down	Down
9195	TraesCS2B03G1148800	0.92134	5.40697	Down	Up
9196	TraesCS2B03G1148900	1.24179	1.18897	UP	UP
9197	TraesCS2B03G1149700	1.00687	1.03065	UP	UP
9198	TraesCS2B03G1150000	1.32594	2.11744	Up	Up
9199	TraesCS2B03G1151100	1.20435	1.25091	UP	UP
9200	TraesCS2B03G1151300	0.75101	3.19963	Down	Up
9201	TraesCS2B03G1152000	0.70419	1.45085	No	No
9202	TraesCS2B03G1152100	1.38107	0.71498	No	No
9203	TraesCS2B03G1152400	1.97861	0.28575	Up	Down
9204	TraesCS2B03G1152500	0.77175	0.99367	Down	Down
9205	TraesCS2B03G1152700	0.61371	1.7772	No	No
9206	TraesCS2B03G1153800	178.08	0.45831	Up	Down
9207	TraesCS2B03G1155800	0.69359	0.70641	Down	Down
9208	TraesCS2B03G1156100	0.96173	0.22482	Down	Down
9209	TraesCS2B03G1156600	0.97032	0.86112	Down	Down
9210	TraesCS2B03G1156900	1.40209	0.48358	Up	Down
9211	TraesCS2B03G1157200	1.10252	0.87455	No	No
9212	TraesCS2B03G1157500	1.11008	0.76995	No	No
9213	TraesCS2B03G1157900	1.16003	2.01663	Up	Up

9214	TraesCS2B03G1159700	1.74704	2.32644	Up	Up
9215	TraesCS2B03G1159800	1.26707	0.69299	No	No
9216	TraesCS2B03G1160500	0.9941	0.7419	Down	Down
9217	TraesCS2B03G1160600	0.8926	1.52305	No	No
9218	TraesCS2B03G1161100	1.3813	0.91194	No	No
9219	TraesCS2B03G1162100	1.18549	1.35389	UP	UP
9221	TraesCS2B03G1162800	1.23327	0.6438	No	No
9222	TraesCS2B03G1162900	1.07949	1.90776	UP	UP
9223	TraesCS2B03G1163100	1.38293	3.70081	Up	Up
9224	TraesCS2B03G1163200	1.38517	2.21225	Up	Up
9225	TraesCS2B03G1163500	1.08101	2.38852	Up	Up
9226	TraesCS2B03G1164200	0.77002	1.24783	No	No
9227	TraesCS2B03G1165400	0.56036	1.8755	No	No
9228	TraesCS2B03G1165600	0.87817	1.34938	No	No
9229	TraesCS2B03G1168200	0.8567	1.14421	No	No
9230	TraesCS2B03G1168300	1.11659	1.57226	UP	UP
9231	TraesCS2B03G1169000	1.068	1.32361	UP	UP
9235	TraesCS2B03G1171700	0.77352	1.7668	No	No
9236	TraesCS2B03G1173900	0.87943	1.38664	No	No
9237	TraesCS2B03G1174500	1.00658	2.30792	Up	Up
9238	TraesCS2B03G1175200	1.00685	1.23802	UP	UP
9239	TraesCS2B03G1176000	0.50047	1.65696	No	No
9240	TraesCS2B03G1176300	1.42883	0.54293	No	No
9241	TraesCS2B03G1176900	1.53761	0.62386	No	No
9242	TraesCS2B03G1177100	0.92581	1.8369	No	No
9245	TraesCS2B03G1178200	1.13094	1.20643	UP	UP
9247	TraesCS2B03G1178800	0.63779	1.01727	No	No
9248	TraesCS2B03G1179600	0.88633	1.68553	No	No
9249	TraesCS2B03G1183100	1.01427	0.79052	No	No
9250	TraesCS2B03G1183400	1.00223	0.48616	Up	Down
9251	TraesCS2B03G1184800	0.90786	1.76247	No	No
9252	TraesCS2B03G1184900	0.93016	1.50811	No	No
9253	TraesCS2B03G1186500	1.09282	1.2099	UP	UP
9254	TraesCS2B03G1186800	0.8421	0.37582	Down	Down
9255	TraesCS2B03G1188600	1.25978	1.06715	UP	UP
9256	TraesCS2B03G1189400	0.9766	0.57485	Down	Down
9257	TraesCS2B03G1190700	0.95457	0.58302	Down	Down
9260	TraesCS2B03G1191100	0.81904	1.54826	No	No
9261	TraesCS2B03G1193400	0.22043	2.7274	Down	Up
9263	TraesCS2B03G1193800	1.13575	2.07025	Up	Up
9264	TraesCS2B03G1193900	0.56706	8.30898	Down	Up
9265	TraesCS2B03G1194600	0.88638	1.43085	No	No
9267	TraesCS2B03G1196000	0.38859	0.64232	Down	Down
9269	TraesCS2B03G1197900	1.0238	0.67949	No	No
9270	TraesCS2B03G1197900	0.88335	1.42508	No	No
9271	TraesCS2B03G1198100	0.53304	0.51398	Down	Down
9272	TraesCS2B03G1198400	1.45806	0.84569	No	No
9273	TraesCS2B03G1199600	0.28472	4.65872	Down	Up
9274	TraesCS2B03G1199800	0.58161	2.10999	Down	Up
9275	TraesCS2B03G1200100	0.49324	0.69835	Down	Down
9276	TraesCS2B03G1200300	0.66596	1.06422	No	No
9279	TraesCS2B03G1201500	0.62258	0.44339	Down	Down

9281	TraesCS2B03G1203100	2.81257	1.67605	Up	Up
9283	TraesCS2B03G1203800	0.74041	1.30797	No	No
9284	TraesCS2B03G1204100	0.65336	1.00023	No	No
9285	TraesCS2B03G1204400	0.58026	1.12011	No	No
9286	TraesCS2B03G1205100	0.85049	0.91162	Down	Down
9287	TraesCS2B03G1205200	1.21278	0.3138	Up	Down
9289	TraesCS2B03G1205900	0.76579	0.89892	Down	Down
9290	TraesCS2B03G1206500	1.32427	0.7258	No	No
9291	TraesCS2B03G1206600	1.15922	1.0263	UP	UP
9292	TraesCS2B03G1206800	0.87387	2.17613	Down	Up
9293	TraesCS2B03G1207400	1.19668	2.52927	Up	Up
9295	TraesCS2B03G1209500	1.36234	0.45497	Up	Down
9296	TraesCS2B03G1210300	1.24647	0.86946	No	No
9297	TraesCS2B03G1210700	0.97301	1.58709	No	No
9300	TraesCS2B03G1212300	0.74973	1.33281	No	No
9301	TraesCS2B03G1212800	0.98985	0.62988	Down	Down
9302	TraesCS2B03G1212900	0.82849	0.97623	Down	Down
9303	TraesCS2B03G1213100	1.15235	2.30516	Up	Up
9304	TraesCS2B03G1213100	0.86141	1.16694	No	No
9305	TraesCS2B03G1215100	1.07159	0.51642	No	No
9307	TraesCS2B03G1216300	0.61948	1.35786	No	No
9308	TraesCS2B03G1217500	0.71446	4.68184	Down	Up
9309	TraesCS2B03G1219300	1.00971	1.34298	UP	UP
9310	TraesCS2B03G1222100	1.05499	1.41788	UP	UP
9311	TraesCS2B03G1222500	0.7885	1.01476	No	No
9312	TraesCS2B03G1222800	0.77996	1.38638	No	No
9313	TraesCS2B03G1224900	1.33538	0.64498	No	No
9314	TraesCS2B03G1225600	0.82145	0.73832	Down	Down
9315	TraesCS2B03G1225900	0.88373	0.90486	Down	Down
9316	TraesCS2B03G1229000	1.43916	0.7513	No	No
9317	TraesCS2B03G1229300	1.24248	0.64081	No	No
9318	TraesCS2B03G1233400	0.66433	2.10428	Down	Up
9319	TraesCS2B03G1233500	0.65386	3.47228	Down	Up
9320	TraesCS2B03G1233700	0.7414	0.32853	Down	Down
9321	TraesCS2B03G1234100	0.89806	1.77197	No	No
9322	TraesCS2B03G1235600	0.83495	1.3209	No	No
9323	TraesCS2B03G1235700	0.93486	0.34831	Down	Down
9325	TraesCS2B03G1237500	0.97705	0.86311	Down	Down
9326	TraesCS2B03G1238700	0.52052	2.55375	Down	Up
9327	TraesCS2B03G1238800	0.98193	0.26066	Down	Down
9328	TraesCS2B03G1239500	0.83653	1.55707	No	No
9330	TraesCS2B03G1245100	1.34613	0.69337	No	No
9331	TraesCS2B03G1246800	0.48943	1.33784	Down	Up
9332	TraesCS2B03G1252700	0.89696	0.52673	Down	Down
9334	TraesCS2B03G1255700	0.9092	0.91497	Down	Down
9335	TraesCS2B03G1257500	1.06985	0.87069	No	No
9336	TraesCS2B03G1257700	1.04129	1.12057	UP	UP
9338	TraesCS2B03G1260400	1.16437	1.68949	UP	UP
9339	TraesCS2B03G1260500	1.13656	0.79512	No	No
9340	TraesCS2B03G1261200	0.96372	1.0021	No	No
9342	TraesCS2B03G1265900	1.18592	0.18318	Up	Down
9343	TraesCS2B03G1266200	0.8417	1.65463	No	No

9345	TraesCS2B03G1266900	1.00609	3.04921	Up	Up
9346	TraesCS2B03G1267100	0.95718	0.73276	Down	Down
9348	TraesCS2B03G1268600	0.68343	1.51066	No	No
9349	TraesCS2B03G1269100	0.5806	1.48531	No	No
9350	TraesCS2B03G1269400	0.72664	0.83781	Down	Down
9351	TraesCS2B03G1269500	0.49528	0.35465	Down	Down
9352	TraesCS2B03G1270800	0.78474	0.98698	Down	Down
9354	TraesCS2B03G1271300	0.93081	1.14584	No	No
9355	TraesCS2B03G1271500	0.86963	1.43826	No	No
9357	TraesCS2B03G1274400	1.01068	0.9476	No	No
9358	TraesCS2B03G1276300	0.77242	11.3594	Down	Up
9359	TraesCS2B03G1277300	0.47101	1.44504	Down	Up
9360	TraesCS2B03G1277800	1.74492	1.12877	UP	UP
9361	TraesCS2B03G1279900	0.48789	4.46111	Down	Up
9362	TraesCS2B03G1280000	0.93333	1.14673	No	No
9363	TraesCS2B03G1280200	1.06946	5.37147	Up	Up
9365	TraesCS2B03G1282700	1.13856	2.2173	Up	Up
9366	TraesCS2B03G1283500	1.247	2.0161	Up	Up
9367	TraesCS2B03G1283800	1.20567	0.77952	No	No
9370	TraesCS2B03G1285300	0.84742	1.70052	No	No
9373	TraesCS2B03G1292000	0.89109	0.6272	Down	Down
9374	TraesCS2B03G1293200	0.91496	1.61576	No	No
9375	TraesCS2B03G1294900	0.78704	0.59888	Down	Down
9376	TraesCS2B03G1295000	1.04328	0.8736	No	No
9377	TraesCS2B03G1296000	0.78523	0.8725	Down	Down
9378	TraesCS2B03G1296100	1.15115	1.51524	UP	UP
9379	TraesCS2B03G1297400	0.88197	2.10859	Down	Up
9380	TraesCS2B03G1297600	0.70573	1.47916	No	No
9381	TraesCS2B03G1298000	1.49203	0.87071	No	No
9382	TraesCS2B03G1299500	0.23311	1.42685	Down	Up
9383	TraesCS2B03G1299600	0.63231	1.91598	No	No
9384	TraesCS2B03G1299700	0.75618	0.85723	Down	Down
9385	TraesCS2B03G1302900	0.81463	1.83512	No	No
9386	TraesCS2B03G1303000	1.17915	1.75298	UP	UP
9388	TraesCS2B03G1304900	0.82614	0.93574	Down	Down
9389	TraesCS2B03G1305300	0.60955	1.19131	No	No
9390	TraesCS2B03G1305700	1.21012	1.08494	UP	UP
9391	TraesCS2B03G1305800	0.96206	0.93121	Down	Down
9392	TraesCS2B03G1305900	1.35287	1.06002	UP	UP
9393	TraesCS2B03G1306200	0.70901	1.19959	No	No
9394	TraesCS2B03G1306300	1.08665	1.22872	UP	UP
9395	TraesCS2B03G1306700	2.67793	4.2069	Up	Up
9396	TraesCS2B03G1307000	1.09515	0.36898	Up	Down
9397	TraesCS2B03G1307200	0.8699	1.50753	No	No
9398	TraesCS2B03G1307900	0.37794	1.74943	Down	Up
9399	TraesCS2B03G1308200	0.74804	1.00097	No	No
9400	TraesCS2B03G1308500	2.18018	0.25457	Up	Down
9402	TraesCS2B03G1313500	1.30483	1.04132	UP	UP
9403	TraesCS2B03G1313600	1.18162	1.02805	UP	UP
9404	TraesCS2B03G1313700	1.14934	0.88238	No	No
9405	TraesCS2B03G1313900	0.72802	1.13767	No	No
9406	TraesCS2B03G1314000	0.79162	0.66283	Down	Down

9407	TraesCS2B03G1314300	0.78873	0.66171	Down	Down
9408	TraesCS2B03G1314400	1.27836	0.24536	Up	Down
9409	TraesCS2B03G1315600	1.20188	0.54603	No	No
9410	TraesCS2B03G1315900	1.18274	1.16016	UP	UP
9411	TraesCS2B03G1316600	0.75408	1.09979	No	No
9413	TraesCS2B03G1316800	0.91924	1.14072	No	No
9414	TraesCS2B03G1316900	1.01997	0.86665	No	No
9415	TraesCS2B03G1319100	0.96649	1.63672	No	No
9416	TraesCS2B03G1319300	0.87188	0.89041	Down	Down
9417	TraesCS2B03G1319400	0.77023	0.89751	Down	Down
9418	TraesCS2B03G1320800	1.1189	1.04437	UP	UP
9420	TraesCS2B03G1321000	1.4214	0.64325	No	No
9422	TraesCS2B03G1321200	0.62094	2.74059	Down	Up
9423	TraesCS2B03G1322000	0.72334	1.49976	No	No
9424	TraesCS2B03G1322200	0.88749	0.52079	Down	Down
9425	TraesCS2B03G1324900	1.26664	0.43704	Up	Down
9426	TraesCS2B03G1325100	0.6538	4.54726	Down	Up
9427	TraesCS2B03G1325500	0.89005	1.10261	No	No
9428	TraesCS2B03G1325700	0.97511	1.07706	No	No
9429	TraesCS2B03G1325900	0.87083	0.5058	Down	Down
9430	TraesCS2B03G1326100	0.90213	0.19218	Down	Down
9431	TraesCS2B03G1326200	1.05239	0.19976	Up	Down
9432	TraesCS2B03G1326400	0.93341	1.3263	No	No
9433	TraesCS2B03G1328200	1.01614	1.10436	UP	UP
9435	TraesCS2B03G1329800	1.09188	0.85455	No	No
9437	TraesCS2B03G1332100	1.76118	2.59502	Up	Up
9438	TraesCS2B03G1333400	0.65928	1.15334	No	No
9439	TraesCS2B03G1333700	0.39881	2.29239	Down	Up
9440	TraesCS2B03G1333900	0.2798	3.44128	Down	Up
9441	TraesCS2B03G1334300	0.86073	0.22124	Down	Down
9444	TraesCS2B03G1338700	0.93012	3.37038	Down	Up
9446	TraesCS2B03G1339200	0.97557	1.1169	No	No
9447	TraesCS2B03G1339700	0.71286	3.89623	Down	Up
9448	TraesCS2B03G1339800	0.93037	1.79837	No	No
9449	TraesCS2B03G1341200	1.08804	1.78672	UP	UP
9450	TraesCS2B03G1341400	1.36573	0.24348	Up	Down
9451	TraesCS2B03G1341500	1.92598	0.16244	Up	Down
9452	TraesCS2B03G1342500	1.02459	1.43658	UP	UP
9453	TraesCS2B03G1343300	1.03134	0.86424	No	No
9454	TraesCS2B03G1344100	1.85741	5.23518	Up	Up
9455	TraesCS2B03G1344200	2.09929	5.83137	Up	Up
9456	TraesCS2B03G1344800	1.83305	3.90282	Up	Up
9457	TraesCS2B03G1346000	0.91598	1.34569	No	No
9459	TraesCS2B03G1346400	1.02698	2.46684	Up	Up
9460	TraesCS2B03G1351700	1.54918	0.69596	No	No
9461	TraesCS2B03G1352700	0.703	0.82832	Down	Down
9462	TraesCS2B03G1352900	1.12393	1.29775	UP	UP
9463	TraesCS2B03G1352900	0.66919	0.64074	Down	Down
9464	TraesCS2B03G1353400	0.91396	0.69866	Down	Down
9465	TraesCS2B03G1353900	0.9263	1.31652	No	No
9466	TraesCS2B03G1355200	1.36678	0.63584	No	No
9467	TraesCS2B03G1357000	0.62572	2.27288	Down	Up

9468	TraesCS2B03G1359900	1.00571	0.33293	Up	Down
9469	TraesCS2B03G1360200	0.92536	0.51267	Down	Down
9470	TraesCS2B03G1360300	1.10951	0.29693	Up	Down
9471	TraesCS2B03G1361900	1.01701	0.59239	No	No
9472	TraesCS2B03G1362600	0.67268	1.53579	No	No
9473	TraesCS2B03G1362700	0.98453	0.38457	Down	Down
9474	TraesCS2B03G1362700	1.15091	3.65588	Up	Up
9475	TraesCS2B03G1363200	0.82133	0.63989	Down	Down
9476	TraesCS2B03G1363800	0.68331	1.27705	No	No
9477	TraesCS2B03G1364900	0.88919	1.40011	No	No
9479	TraesCS2B03G1367900	0.97763	1.42636	No	No
9480	TraesCS2B03G1369700	0.77345	1.71638	No	No
9481	TraesCS2B03G1369800	1.06522	1.37362	UP	UP
9482	TraesCS2B03G1370300	0.81178	3.80829	Down	Up
9483	TraesCS2B03G1371300	1.66247	3.60332	Up	Up
9484	TraesCS2B03G1372600	1.12941	0.43934	Up	Down
9485	TraesCS2B03G1373600	0.92435	0.32281	Down	Down
9486	TraesCS2B03G1374000	0.73505	1.43028	No	No
9487	TraesCS2B03G1374200	1.04181	1.10986	UP	UP
9489	TraesCS2B03G1375500	0.8651	2.3935	Down	Up
9490	TraesCS2B03G1378000	0.94889	0.61859	Down	Down
9492	TraesCS2B03G1378500	0.56583	1.04036	No	No
9493	TraesCS2B03G1379100	0.8281	1.22553	No	No
9494	TraesCS2B03G1379300	0.76404	0.95976	Down	Down
9495	TraesCS2B03G1379400	0.7946	1.37366	No	No
9496	TraesCS2B03G1380500	0.90409	1.3615	No	No
9497	TraesCS2B03G1380700	1.01823	0.30927	Up	Down
9498	TraesCS2B03G1381400	0.83988	2.38013	Down	Up
9499	TraesCS2B03G1383200	0.98998	0.94286	Down	Down
9500	TraesCS2B03G1387000	0.87231	0.5492	Down	Down
9501	TraesCS2B03G1388300	1.23335	0.84993	No	No
9502	TraesCS2B03G1389000	0.71433	0.5908	Down	Down
9503	TraesCS2B03G1389100	0.92672	0.50744	Down	Down
9504	TraesCS2B03G1389200	0.93942	0.873	Down	Down
9505	TraesCS2B03G1391300	0.57127	0.5891	Down	Down
9506	TraesCS2B03G1392500	1.73996	0.90746	No	No
9507	TraesCS2B03G1392900	0.73612	6.06917	Down	Up
9508	TraesCS2B03G1393000	1.10113	0.34739	Up	Down
9509	TraesCS2B03G1394800	0.77992	0.8796	Down	Down
9510	TraesCS2B03G1396700	2.39396	0.79995	Up	Down
9511	TraesCS2B03G1396800	0.7998	0.80116	Down	Down
9512	TraesCS2B03G1396900	0.88688	0.55879	Down	Down
9513	TraesCS2B03G1397100	0.7333	1.38663	No	No
9516	TraesCS2B03G1400100	0.89545	2.91774	Down	Up
9517	TraesCS2B03G1401300	0.87684	0.64251	Down	Down
9518	TraesCS2B03G1401900	0.78448	0.85179	Down	Down
9519	TraesCS2B03G1402100	0.76115	1.23472	No	No
9520	TraesCS2B03G1403100	1.20771	0.23672	Up	Down
9521	TraesCS2B03G1403800	1.01852	0.69808	No	No
9522	TraesCS2B03G1408300	1.36947	1.48575	UP	UP
9523	TraesCS2B03G1408500	3.87451	5.85241	Up	Up
9524	TraesCS2B03G1408600	0.66235	5.5828	Down	Up

9525	TraesCS2B03G1408900	1.03502	1.46369	UP	UP
9526	TraesCS2B03G1411400	0.69025	5.63918	Down	Up
9527	TraesCS2B03G1422400	0.90235	0.76716	Down	Down
9528	TraesCS2B03G1423000	0.6542	1.29173	No	No
9529	TraesCS2B03G1425500	0.42282	12.6659	Down	Up
9530	TraesCS2B03G1425700	0.66303	5.43872	Down	Up
9531	TraesCS2B03G1425800	0.80872	1.69756	No	No
9532	TraesCS2B03G1427300	0.89888	1.01227	No	No
9533	TraesCS2B03G1427400	1.00388	1.07982	UP	UP
9534	TraesCS2B03G1428500	1.01977	0.8391	No	No
9535	TraesCS2B03G1430300	0.84401	0.27127	Down	Down
9536	TraesCS2B03G1430300	1.36191	0.24816	Up	Down
9537	TraesCS2B03G1430400	0.83504	0.49887	Down	Down
9538	TraesCS2B03G1432400	1.15127	2.06834	Up	Up
9539	TraesCS2B03G1432500	0.96195	1.27511	No	No
9540	TraesCS2B03G1436100	0.83942	1.10276	No	No
9541	TraesCS2B03G1439500	0.66058	1.26392	No	No
9542	TraesCS2B03G1439600	0.92721	1.01717	No	No
9543	TraesCS2B03G1439700	0.98121	8.71048	Down	Up
9544	TraesCS2B03G1440200	0.86245	2.03654	Down	Up
9545	TraesCS2B03G1443300	1.26838	0.49971	Up	Down
9546	TraesCS2B03G1444100	0.50569	4.426	Down	Up
9547	TraesCS2B03G1445000	1.15963	1.27658	UP	UP
9548	TraesCS2B03G1445100	0.92297	1.14618	No	No
9549	TraesCS2B03G1446000	1.02636	1.53834	UP	UP
9550	TraesCS2B03G1446100	0.67433	2.52416	Down	Up
9551	TraesCS2B03G1447100	0.94369	0.92119	Down	Down
9553	TraesCS2B03G1452700	0.52173	1.39514	No	No
9554	TraesCS2B03G1452800	0.475	0.91214	Down	Down
9555	TraesCS2B03G1455300	0.93658	0.56187	Down	Down
9556	TraesCS2B03G1457000	0.67614	2.72791	Down	Up
9557	TraesCS2B03G1458000	1.05156	0.65846	No	No
9558	TraesCS2B03G1458100	1.11334	1.64964	UP	UP
9559	TraesCS2B03G1458200	0.96938	0.88154	Down	Down
9562	TraesCS2B03G1459000	1.00671	1.14143	UP	UP
9563	TraesCS2B03G1460500	0.93575	0.78629	Down	Down
9564	TraesCS2B03G1460600	1.16093	1.30691	UP	UP
9566	TraesCS2B03G1461400	0.85987	1.74293	No	No
9568	TraesCS2B03G1461700	0.99285	0.96598	Down	Down
9569	TraesCS2B03G1463600	1.58952	1.29155	UP	UP
9570	TraesCS2B03G1463700	1.11778	1.16117	UP	UP
9571	TraesCS2B03G1468300	1.29902	1.06648	UP	UP
9572	TraesCS2B03G1468500	0.85734	1.71771	No	No
9573	TraesCS2B03G1468800	0.72985	1.49161	No	No
9574	TraesCS2B03G1470000	1.08992	1.86955	UP	UP
9575	TraesCS2B03G1473200	0.77553	1.7593	No	No
9576	TraesCS2B03G1474500	0.6431	2.51963	Down	Up
9577	TraesCS2B03G1474700	0.99312	0.80414	Down	Down
9578	TraesCS2B03G1475000	0.86731	0.94324	Down	Down
9579	TraesCS2B03G1475600	0.51718	0.34735	Down	Down
9580	TraesCS2B03G1477500	1.26319	0.88738	No	No
9581	TraesCS2B03G1478200	1.13539	0.83245	No	No

9584	TraesCS2B03G1481300	0.74372	0.61669	Down	Down
9585	TraesCS2B03G1483500	1.17936	1.14418	UP	UP
9586	TraesCS2B03G1483900	1.09698	0.77784	No	No
9587	TraesCS2B03G1484000	0.936	0.55666	Down	Down
9588	TraesCS2B03G1484200	1.99325	0.72191	No	No
9589	TraesCS2B03G1485800	0.94579	1.54997	No	No
9590	TraesCS2B03G1487500	1.36372	1.80028	UP	UP
9591	TraesCS2B03G1487700	0.72514	0.31934	Down	Down
9593	TraesCS2B03G1489700	1.15793	0.46003	Up	Down
9594	TraesCS2B03G1489800	1.26057	1.38036	UP	UP
9595	TraesCS2B03G1490100	0.59429	0.88312	Down	Down
9596	TraesCS2B03G1492000	0.96914	1.19489	No	No
9597	TraesCS2B03G1492100	0.91084	1.11486	No	No
9598	TraesCS2B03G1492200	0.8621	1.22993	No	No
9599	TraesCS2B03G1492300	1.2354	0.36477	Up	Down
9600	TraesCS2B03G1494000	0.96598	1.34215	No	No
9601	TraesCS2B03G1494800	1.08245	1.2117	UP	UP
9602	TraesCS2B03G1497800	0.55584	5.95797	Down	Up
9603	TraesCS2B03G1499000	0.57395	4.43835	Down	Up
9604	TraesCS2B03G1499400	0.94673	0.98955	Down	Down
9605	TraesCS2B03G1501700	0.8954	1.14849	No	No
9606	TraesCS2B03G1502600	0.73965	1.15419	No	No
9607	TraesCS2B03G1505700	0.9054	0.73436	Down	Down
9608	TraesCS2B03G1507800	0.63622	2.06661	Down	Up
9609	TraesCS2B03G1508200	1.01972	1.25352	UP	UP
9610	TraesCS2B03G1508300	0.96336	3.22559	Down	Up
9611	TraesCS2B03G1508600	0.67297	0.89606	Down	Down
9612	TraesCS2B03G1508700	1.12265	8.6331	Up	Up
9613	TraesCS2B03G1508800	0.63242	11.9726	Down	Up
9614	TraesCS2B03G1510100	0.5176	22.6094	Down	Up
9615	TraesCS2B03G1511100	0.8712	0.63529	Down	Down
9616	TraesCS2B03G1511400	0.86398	0.45423	Down	Down
9617	TraesCS2B03G1512100	0.81801	1.74465	No	No
9618	TraesCS2B03G1512400	0.87188	0.35837	Down	Down
9619	TraesCS2B03G1512500	1.49286	0.44955	Up	Down
9620	TraesCS2B03G1512700	1.23324	0.50571	No	No
9621	TraesCS2B03G1512800	0.9296	0.06637	Down	Down
9622	TraesCS2B03G1515500	0.92825	1.188	No	No
9623	TraesCS2B03G1519400	0.9161	1.54172	No	No
9624	TraesCS2B03G1522100	0.91121	0.77771	Down	Down
9625	TraesCS2B03G1522700	1.0568	0.73976	No	No
9626	TraesCS2B03G1522800	1.17822	1.58508	UP	UP
9627	TraesCS2B03G1524300	1.41403	0.14846	Up	Down
9629	TraesCS2B03G1526300	0.86339	0.51768	Down	Down
9630	TraesCS2B03G1526400	0.81488	1.68693	No	No
9632	TraesCS2B03G1527600	1.19588	0.32469	Up	Down
9633	TraesCS2B03G1527600	0.77888	0.55366	Down	Down
9634	TraesCS2B03G1527800	0.89917	1.78299	No	No
9636	TraesCS2B03G1529700	1.0014	1.07605	UP	UP
9637	TraesCS2B03G1531500	1.32658	0.7354	No	No
9638	TraesCS2B03G1531600	0.99641	1.16149	No	No
9639	TraesCS2B03G1531700	1.12951	1.16743	UP	UP

9641	TraesCS2B03G1534400	0.70269	1.98277	No	No
9642	TraesCS2B03G1538000	0.88044	0.73015	Down	Down
9643	TraesCS2B03G1545100	0.87819	0.88305	Down	Down
9645	TraesCS2B03G1548900	0.88903	0.91118	Down	Down
9646	TraesCS2B03G1549500	0.99388	0.73008	Down	Down
9649	TraesCS2B03G1554600	1.2454	1.04324	UP	UP
9650	TraesCS2B03G1557000	0.96882	0.86305	Down	Down
9651	TraesCS2B03G1558800	0.78064	1.43525	No	No
9653	TraesCS2B03G1560200	0.74682	0.55139	Down	Down
9656	TraesCS2B03G1568600	0.79653	1.20651	No	No
9657	TraesCS2B03G1568700	1.01197	1.07873	UP	UP
9658	TraesCS2B03G1574800	1.09691	0.93305	No	No
9659	TraesCS2B03G1576800	0.66684	1.87264	No	No
9660	TraesCS2B03G1577500	0.62518	18.3557	Down	Up
9661	TraesCS2B03G1578100	0.67564	2.7545	Down	Up
9662	TraesCS2D03G0000100	1.25423	1.55267	UP	UP
9663	TraesCS2D03G0000200	0.76162	1.27523	No	No
9664	TraesCS2D03G0000700	0.79305	2.12527	Down	Up
9665	TraesCS2D03G0000800	0.73952	1.08923	No	No
9666	TraesCS2D03G0001800	1.10743	2.08363	Up	Up
9667	TraesCS2D03G0001900	0.91277	1.23541	No	No
9668	TraesCS2D03G0002000	0.97738	1.67789	No	No
9669	TraesCS2D03G0007600	0.68447	1.04305	No	No
9670	TraesCS2D03G0007700	1.16767	1.54557	UP	UP
9671	TraesCS2D03G0009200	1.41451	0.62318	No	No
9672	TraesCS2D03G0011600	0.87929	2.41518	Down	Up
9673	TraesCS2D03G0013000	0.75487	1.36282	No	No
9674	TraesCS2D03G0015200	0.83432	1.7403	No	No
9675	TraesCS2D03G0015300	0.92135	2.0318	Down	Up
9676	TraesCS2D03G0017800	1.02275	0.70838	No	No
9677	TraesCS2D03G0017900	0.76134	0.90897	Down	Down
9678	TraesCS2D03G0018000	0.35656	1.73822	Down	Up
9679	TraesCS2D03G0018600	0.92022	1.14749	No	No
9680	TraesCS2D03G0018700	0.94198	2.9643	Down	Up
9682	TraesCS2D03G0019300	0.98941	0.35387	Down	Down
9683	TraesCS2D03G0019400	1.29711	0.10188	Up	Down
9684	TraesCS2D03G0021400	0.8748	2.49622	Down	Up
9685	TraesCS2D03G0021500	0.89196	2.36494	Down	Up
9686	TraesCS2D03G0022000	0.69968	2.93857	Down	Up
9687	TraesCS2D03G0022200	1.02522	0.77562	No	No
9689	TraesCS2D03G0024400	0.6619	1.77901	No	No
9690	TraesCS2D03G0025700	1.12519	1.03547	UP	UP
9691	TraesCS2D03G0026200	1.09267	1.41101	UP	UP
9692	TraesCS2D03G0028200	1.17028	0.57024	No	No
9693	TraesCS2D03G0028400	0.58692	1.35233	No	No
9694	TraesCS2D03G0029300	0.54693	1.27812	No	No
9695	TraesCS2D03G0030700	1.07691	1.74416	UP	UP
9696	TraesCS2D03G0031900	0.66719	1.16576	No	No
9697	TraesCS2D03G0031900	0.98657	6.42361	Down	Up
9698	TraesCS2D03G0032000	1.34709	0.84356	No	No
9700	TraesCS2D03G0034500	1.3894	1.30409	UP	UP
9702	TraesCS2D03G0040800	1.91953	0.4837	Up	Down

9703	TraesCS2D03G0045400	0.91086	0.84055	Down	Down
9704	TraesCS2D03G0046900	1.03854	0.5503	No	No
9705	TraesCS2D03G0047600	1.26183	1.35	UP	UP
9706	TraesCS2D03G0047800	0.88853	0.85406	Down	Down
9707	TraesCS2D03G0049300	0.54723	3.59572	Down	Up
9708	TraesCS2D03G0052700	1.40079	0.70742	No	No
9709	TraesCS2D03G0053100	1.62681	0.52174	No	No
9710	TraesCS2D03G0055100	4.40679	1.62983	Up	Up
9711	TraesCS2D03G0055600	0.68776	2.42313	Down	Up
9712	TraesCS2D03G0055700	0.982	1.13934	No	No
9713	TraesCS2D03G0056400	0.53377	8.69932	Down	Up
9714	TraesCS2D03G0056500	0.68871	15.1155	Down	Up
9715	TraesCS2D03G0056900	0.43753	8.91726	Down	Up
9716	TraesCS2D03G0057900	1.12186	1.37618	UP	UP
9717	TraesCS2D03G0058100	0.86047	1.98995	No	No
9718	TraesCS2D03G0058200	1.39881	1.97425	UP	UP
9719	TraesCS2D03G0058300	0.88458	1.45165	No	No
9720	TraesCS2D03G0059300	1.16107	0.87428	No	No
9721	TraesCS2D03G0059400	1.17629	1.27541	UP	UP
9722	TraesCS2D03G0059500	1.10119	1.94371	UP	UP
9723	TraesCS2D03G0059700	1.21718	1.40258	UP	UP
9724	TraesCS2D03G0060500	3.89836	3.86784	UP	UP
9725	TraesCS2D03G0060900	0.98668	1.10788	No	No
9726	TraesCS2D03G0061000	0.87044	1.42668	No	No
9727	TraesCS2D03G0061200	0.89683	4.53035	Down	Up
9729	TraesCS2D03G0061500	0.75317	2.64381	Down	Up
9731	TraesCS2D03G0063100	1.09885	2.21737	Up	Up
9732	TraesCS2D03G0063800	1.19015	0.39338	Up	Down
9733	TraesCS2D03G0064500	1.23371	0.74207	No	No
9734	TraesCS2D03G0064700	0.85512	1.17055	No	No
9735	TraesCS2D03G0064900	1.28864	0.73684	No	No
9736	TraesCS2D03G0066000	1.28396	2.25643	Up	Up
9737	TraesCS2D03G0066800	1.0432	1.03339	UP	UP
9738	TraesCS2D03G0067000	0.91182	0.49994	Down	Down
9739	TraesCS2D03G0067900	0.91093	1.07004	No	No
9740	TraesCS2D03G0069200	1.79401	0.3548	Up	Down
9741	TraesCS2D03G0069200	2.22037	0.36847	Up	Down
9742	TraesCS2D03G0069400	0.95009	2.40631	Down	Up
9743	TraesCS2D03G0069500	0.88373	0.75278	Down	Down
9744	TraesCS2D03G0070300	1.44801	5.61905	Up	Up
9747	TraesCS2D03G0070900	0.85731	2.42417	Down	Up
9748	TraesCS2D03G0071000	0.69549	0.90497	Down	Down
9749	TraesCS2D03G0071000	0.46918	1.20651	Down	Up
9751	TraesCS2D03G0071300	0.79004	2.45619	Down	Up
9753	TraesCS2D03G0072400	1.31707	3.62011	Up	Up
9754	TraesCS2D03G0072500	0.77563	2.11905	Down	Up
9755	TraesCS2D03G0072700	0.49305	1.29775	Down	Up
9756	TraesCS2D03G0072700	1.24958	1.27809	UP	UP
9757	TraesCS2D03G0073300	0.79725	1.48808	No	No
9758	TraesCS2D03G0074200	0.81636	1.25912	No	No
9759	TraesCS2D03G0074400	1.0161	1.14075	UP	UP
9760	TraesCS2D03G0074500	1.23092	0.83396	No	No

9761	TraesCS2D03G0074600	1.56085	2.26045	Up	Up
9762	TraesCS2D03G0075200	1.2166	1.40946	UP	UP
9763	TraesCS2D03G0075400	1.30964	0.8406	No	No
9764	TraesCS2D03G0078800	1.25658	1.59998	UP	UP
9765	TraesCS2D03G0079100	1.2404	1.15878	UP	UP
9767	TraesCS2D03G0081200	1.98436	0.54983	No	No
9768	TraesCS2D03G0083800	0.70295	2.00199	Down	Up
9769	TraesCS2D03G0086500	1.08794	6.32976	Up	Up
9770	TraesCS2D03G0088900	0.72358	2.8188	Down	Up
9771	TraesCS2D03G0092600	0.51584	0.91641	Down	Down
9772	TraesCS2D03G0092700	0.63788	0.51229	Down	Down
9773	TraesCS2D03G0094300	0.83431	2.00023	Down	Up
9774	TraesCS2D03G0095200	0.73683	4.4331	Down	Up
9775	TraesCS2D03G0101400	1.52345	0.37881	Up	Down
9776	TraesCS2D03G0101800	0.70604	7.9443	Down	Up
9777	TraesCS2D03G0101900	0.87428	0.70147	Down	Down
9778	TraesCS2D03G0102100	0.74895	1.00244	No	No
9779	TraesCS2D03G0106100	1.42195	1.03432	UP	UP
9780	TraesCS2D03G0106600	1.44108	0.51837	No	No
9781	TraesCS2D03G0108700	0.73141	1.39072	No	No
9782	TraesCS2D03G0108800	0.59909	0.84275	Down	Down
9783	TraesCS2D03G0111400	0.47377	1.30315	Down	Up
9784	TraesCS2D03G0111700	0.78688	1.449	No	No
9785	TraesCS2D03G0111800	1.12819	0.50062	No	No
9786	TraesCS2D03G0116300	0.79873	1.7235	No	No
9787	TraesCS2D03G0116500	1.16984	1.25116	UP	UP
9788	TraesCS2D03G0119900	0.76273	0.89967	Down	Down
9791	TraesCS2D03G0121700	0.91232	1.63048	No	No
9792	TraesCS2D03G0123200	0.9756	0.95679	Down	Down
9793	TraesCS2D03G0123700	1.17789	0.99712	No	No
9795	TraesCS2D03G0125300	0.92705	0.40831	Down	Down
9796	TraesCS2D03G0125400	0.66314	1.26074	No	No
9797	TraesCS2D03G0125500	0.84165	0.71138	Down	Down
9798	TraesCS2D03G0126300	3.4014	0.56465	Up	Down
9799	TraesCS2D03G0127600	0.67108	1.03663	No	No
9800	TraesCS2D03G0127800	0.62615	1.67328	No	No
9801	TraesCS2D03G0127900	0.69897	1.23995	No	No
9802	TraesCS2D03G0128400	0.5946	1.86706	No	No
9803	TraesCS2D03G0128700	1.20277	0.26243	Up	Down
9804	TraesCS2D03G0128800	1.30693	0.47818	Up	Down
9805	TraesCS2D03G0128900	0.99893	0.26782	Down	Down
9806	TraesCS2D03G0129100	0.9434	0.25966	Down	Down
9807	TraesCS2D03G0129300	0.85235	0.29832	Down	Down
9808	TraesCS2D03G0129600	0.56089	1.20658	No	No
9809	TraesCS2D03G0129800	0.50954	2.65353	Down	Up
9810	TraesCS2D03G0129900	0.93336	1.3327	No	No
9811	TraesCS2D03G0130400	0.73359	4.30601	Down	Up
9812	TraesCS2D03G0130900	1.02596	5.43427	Up	Up
9813	TraesCS2D03G0132700	0.82595	2.09674	Down	Up
9814	TraesCS2D03G0132900	0.68952	1.0103	No	No
9815	TraesCS2D03G0133100	0.87433	0.64933	Down	Down
9817	TraesCS2D03G0133600	0.76084	0.88168	Down	Down

9818	TraesCS2D03G0133800	1.01153	1.33288	UP	UP
9819	TraesCS2D03G0134000	0.96649	1.29126	No	No
9820	TraesCS2D03G0134800	3.21693	0.13921	Up	Down
9821	TraesCS2D03G0135200	1.50738	0.34133	Up	Down
9822	TraesCS2D03G0136100	1.05601	0.72765	No	No
9823	TraesCS2D03G0136200	1.18517	1.41631	UP	UP
9824	TraesCS2D03G0136300	1.10395	1.18845	UP	UP
9826	TraesCS2D03G0136900	1.16104	1.08424	UP	UP
9828	TraesCS2D03G0140900	0.93337	1.556	No	No
9829	TraesCS2D03G0141700	0.66931	2.09172	Down	Up
9830	TraesCS2D03G0143000	1.19136	1.00508	UP	UP
9831	TraesCS2D03G0143900	1.57298	0.44682	Up	Down
9832	TraesCS2D03G0146700	1.31273	0.79973	No	No
9833	TraesCS2D03G0147200	0.698	1.22209	No	No
9834	TraesCS2D03G0147400	0.94183	1.1834	No	No
9835	TraesCS2D03G0150300	0.94099	0.76945	Down	Down
9836	TraesCS2D03G0150500	1.12303	1.88777	UP	UP
9839	TraesCS2D03G0151100	0.62949	3.52409	Down	Up
9840	TraesCS2D03G0153300	1.10368	1.42684	UP	UP
9843	TraesCS2D03G0154100	0.79282	0.75972	Down	Down
9844	TraesCS2D03G0155400	0.78882	1.62177	No	No
9849	TraesCS2D03G0157900	1.24361	1.29647	UP	UP
9851	TraesCS2D03G0159800	0.77536	1.56086	No	No
9852	TraesCS2D03G0159900	0.8331	1.19419	No	No
9854	TraesCS2D03G0161600	0.62002	0.91287	Down	Down
9855	TraesCS2D03G0162400	0.94437	0.7956	Down	Down
9856	TraesCS2D03G0163200	1.07674	0.08038	Up	Down
9857	TraesCS2D03G0163400	0.98821	1.79615	No	No
9858	TraesCS2D03G0166300	0.73377	1.06551	No	No
9859	TraesCS2D03G0167100	0.95578	2.62465	Down	Up
9860	TraesCS2D03G0167800	0.91892	1.8168	No	No
9861	TraesCS2D03G0168100	1.26576	1.32211	UP	UP
9862	TraesCS2D03G0168300	0.94384	1.12072	No	No
9863	TraesCS2D03G0168500	1.16694	1.14794	UP	UP
9864	TraesCS2D03G0169700	1.00207	1.47575	UP	UP
9865	TraesCS2D03G0170200	0.6021	0.55305	Down	Down
9866	TraesCS2D03G0170500	0.60516	0.87424	Down	Down
9867	TraesCS2D03G0172200	0.60054	1.55754	No	No
9868	TraesCS2D03G0172300	0.90165	0.99126	Down	Down
9870	TraesCS2D03G0173900	0.86174	1.14671	No	No
9871	TraesCS2D03G0174200	1.13898	2.65153	Up	Up
9872	TraesCS2D03G0174500	0.80389	2.59636	Down	Up
9873	TraesCS2D03G0175400	0.62948	0.93397	Down	Down
9874	TraesCS2D03G0176500	0.68792	12.6743	Down	Up
9875	TraesCS2D03G0176600	0.67825	2.37288	Down	Up
9877	TraesCS2D03G0177500	1.29467	4.32582	Up	Up
9879	TraesCS2D03G0186500	0.75584	0.9534	Down	Down
9883	TraesCS2D03G0189500	0.6957	2.10347	Down	Up
9884	TraesCS2D03G0189800	1.41344	1.8307	UP	UP
9885	TraesCS2D03G0192600	1.18358	1.86908	UP	UP
9886	TraesCS2D03G0193000	1.22392	1.24755	UP	UP
9887	TraesCS2D03G0193300	0.77459	1.22273	No	No

9889	TraesCS2D03G0193800	1.1129	0.14344	Up	Down
9890	TraesCS2D03G0195700	0.76004	1.47994	No	No
9892	TraesCS2D03G0196200	0.62606	1.40287	No	No
9893	TraesCS2D03G0196300	1.46207	0.82966	No	No
9894	TraesCS2D03G0196500	0.86065	0.37619	Down	Down
9897	TraesCS2D03G0197300	0.91465	1.30809	No	No
9898	TraesCS2D03G0197700	1.38029	1.339	UP	UP
9899	TraesCS2D03G0198700	0.90714	0.78595	Down	Down
9900	TraesCS2D03G0199100	1.07283	2.00396	Up	Up
9902	TraesCS2D03G0201500	0.69944	0.40729	Down	Down
9903	TraesCS2D03G0202200	0.94618	1.27104	No	No
9904	TraesCS2D03G0202300	1.10172	0.71446	No	No
9908	TraesCS2D03G0203400	1.06041	0.84511	No	No
9910	TraesCS2D03G0203700	0.73419	1.20843	No	No
9911	TraesCS2D03G0203800	0.93882	0.97038	Down	Down
9912	TraesCS2D03G0204300	0.92988	1.19417	No	No
9913	TraesCS2D03G0204500	0.5433	0.6385	Down	Down
9914	TraesCS2D03G0204900	0.77418	2.22714	Down	Up
9915	TraesCS2D03G0205900	1.16913	1.59937	UP	UP
9916	TraesCS2D03G0207000	0.75234	1.98567	No	No
9917	TraesCS2D03G0209500	1.18615	2.47028	Up	Up
9918	TraesCS2D03G0209900	0.91604	1.99043	No	No
9919	TraesCS2D03G0211000	0.96687	1.06044	No	No
9920	TraesCS2D03G0211700	0.86547	0.4412	Down	Down
9922	TraesCS2D03G0212800	0.88197	0.59412	Down	Down
9923	TraesCS2D03G0214000	0.57756	1.07392	No	No
9925	TraesCS2D03G0214700	0.83804	0.36123	Down	Down
9926	TraesCS2D03G0215500	0.41183	1.21917	Down	Up
9927	TraesCS2D03G0215900	0.85329	6.72858	Down	Up
9928	TraesCS2D03G0216500	1.05004	0.66107	No	No
9929	TraesCS2D03G0216900	0.85629	0.85154	Down	Down
9930	TraesCS2D03G0218800	0.78829	4.61966	Down	Up
9931	TraesCS2D03G0219000	0.79982	1.77188	No	No
9932	TraesCS2D03G0220600	1.11146	0.86272	No	No
9933	TraesCS2D03G0220800	0.84122	1.34491	No	No
9934	TraesCS2D03G0221200	1.14352	0.66011	No	No
9935	TraesCS2D03G0221300	0.29287	4.84175	Down	Up
9936	TraesCS2D03G0221400	0.25159	2.81515	Down	Up
9937	TraesCS2D03G0222500	0.70641	2.16485	Down	Up
9938	TraesCS2D03G0223200	0.48535	0.54848	Down	Down
9939	TraesCS2D03G0223800	1.3637	0.79737	No	No
9940	TraesCS2D03G0224100	0.84403	1.50936	No	No
9941	TraesCS2D03G0226100	0.5126	5.52295	Down	Up
9942	TraesCS2D03G0226300	1.20999	0.89107	No	No
9943	TraesCS2D03G0227000	0.46303	1.04217	Down	Up
9945	TraesCS2D03G0228400	1.18217	6.07557	Up	Up
9947	TraesCS2D03G0231300	0.7269	1.33298	No	No
9948	TraesCS2D03G0232400	0.98453	0.57328	Down	Down
9949	TraesCS2D03G0232600	1.05172	1.41142	UP	UP
9950	TraesCS2D03G0232800	0.64104	1.52758	No	No
9951	TraesCS2D03G0234600	0.65784	1.62453	No	No
9952	TraesCS2D03G0234700	1.04192	1.93403	UP	UP

9953	TraesCS2D03G0234800	1.22201	1.04218	UP	UP
9954	TraesCS2D03G0234900	0.76495	18.3121	Down	Up
9955	TraesCS2D03G0235500	1.04861	0.91736	No	No
9957	TraesCS2D03G0236000	0.97119	0.54811	Down	Down
9958	TraesCS2D03G0236100	0.97238	0.36324	Down	Down
9959	TraesCS2D03G0236300	0.85414	1.22559	No	No
9960	TraesCS2D03G0236600	1.17876	1.85324	UP	UP
9961	TraesCS2D03G0237200	1.15467	1.10385	UP	UP
9962	TraesCS2D03G0237400	1.42643	10.6051	Up	Up
9963	TraesCS2D03G0237600	1.2549	0.28629	Up	Down
9964	TraesCS2D03G0237700	0.69527	1.66555	No	No
9965	TraesCS2D03G0238000	1.00553	0.50959	No	No
9966	TraesCS2D03G0238100	0.81728	0.77106	Down	Down
9967	TraesCS2D03G0238200	1.0744	1.22267	UP	UP
9968	TraesCS2D03G0240100	1.44115	0.78695	No	No
9969	TraesCS2D03G0240100	0.61406	1.08503	No	No
9970	TraesCS2D03G0240800	0.78333	0.70595	Down	Down
9971	TraesCS2D03G0240900	0.56487	0.15806	Down	Down
9972	TraesCS2D03G0242000	0.60569	1.43614	No	No
9975	TraesCS2D03G0244400	1.09094	1.07238	UP	UP
9976	TraesCS2D03G0244900	0.86884	1.32944	No	No
9978	TraesCS2D03G0246600	1.17836	0.27321	Up	Down
9979	TraesCS2D03G0247100	0.86134	0.74866	Down	Down
9980	TraesCS2D03G0247200	0.94869	1.82269	No	No
9981	TraesCS2D03G0247700	0.66209	0.89047	Down	Down
9982	TraesCS2D03G0247800	1.02023	1.02193	UP	UP
9983	TraesCS2D03G0248000	1.398	0.45278	Up	Down
9984	TraesCS2D03G0248600	1.04659	0.99648	No	No
9985	TraesCS2D03G0248700	0.692	1.30484	No	No
9986	TraesCS2D03G0249000	1.29499	0.87583	No	No
9987	TraesCS2D03G0251500	0.53057	1.24437	No	No
9989	TraesCS2D03G0253100	0.97663	2.3787	Down	Up
9990	TraesCS2D03G0253400	0.64394	1.53959	No	No
9991	TraesCS2D03G0254600	1.04909	1.29868	UP	UP
9992	TraesCS2D03G0255600	0.80894	1.06036	No	No
9993	TraesCS2D03G0258000	0.9387	0.27367	Down	Down
9994	TraesCS2D03G0260100	1.42283	0.5096	No	No
9995	TraesCS2D03G0260200	1.03377	1.88975	UP	UP
9996	TraesCS2D03G0262900	0.90153	0.53187	Down	Down
9998	TraesCS2D03G0266300	1.21434	0.39382	Up	Down
9999	TraesCS2D03G0267400	0.81716	1.13384	No	No
10000	TraesCS2D03G0267500	1.04563	0.29098	Up	Down
10001	TraesCS2D03G0267600	0.95296	1.03929	No	No
10002	TraesCS2D03G0268100	1.50298	1.11549	UP	UP
10003	TraesCS2D03G0268200	0.95704	0.90195	Down	Down
10004	TraesCS2D03G0268400	0.92459	1.06696	No	No
10005	TraesCS2D03G0268800	1.80576	0.47721	Up	Down
10006	TraesCS2D03G0268900	0.8297	1.07872	No	No
10007	TraesCS2D03G0269000	1.05138	0.85732	No	No
10008	TraesCS2D03G0269200	0.69594	1.26403	No	No
10009	TraesCS2D03G0269300	2.98388	0.85806	Up	Down
10010	TraesCS2D03G0269400	0.66785	1.39175	No	No

10011	TraesCS2D03G0269600	0.68497	4.90751	Down	Up
10012	TraesCS2D03G0270100	0.75308	6.5148	Down	Up
10013	TraesCS2D03G0270200	1.39429	0.73574	No	No
10014	TraesCS2D03G0270300	0.72501	0.80259	Down	Down
10015	TraesCS2D03G0270700	1.03273	0.92273	No	No
10016	TraesCS2D03G0270900	0.87102	1.03869	No	No
10018	TraesCS2D03G0271500	0.93361	5.03068	Down	Up
10019	TraesCS2D03G0271800	1.30578	2.07552	Up	Up
10020	TraesCS2D03G0271900	1.67333	1.31797	UP	UP
10021	TraesCS2D03G0272300	1.51077	0.59585	No	No
10022	TraesCS2D03G0272800	1.10709	1.09664	UP	UP
10023	TraesCS2D03G0273800	0.91559	2.30615	Down	Up
10025	TraesCS2D03G0274700	1.73177	0.26649	Up	Down
10026	TraesCS2D03G0274800	1.03786	1.00149	UP	UP
10027	TraesCS2D03G0274900	1.14443	2.11991	Up	Up
10028	TraesCS2D03G0275300	0.68142	2.63875	Down	Up
10030	TraesCS2D03G0275800	1.16448	0.44236	Up	Down
10031	TraesCS2D03G0276700	1.18685	0.50992	No	No
10032	TraesCS2D03G0276700	1.39563	0.65056	No	No
10033	TraesCS2D03G0277500	0.59415	0.54543	Down	Down
10034	TraesCS2D03G0278600	0.78442	2.08917	Down	Up
10035	TraesCS2D03G0279000	1.18518	0.34842	Up	Down
10036	TraesCS2D03G0280100	1.48426	1.02427	UP	UP
10037	TraesCS2D03G0280300	1.12938	0.61499	No	No
10038	TraesCS2D03G0280500	1.18345	1.23689	UP	UP
10042	TraesCS2D03G0281400	1.02529	0.84177	No	No
10044	TraesCS2D03G0282100	0.72357	1.70118	No	No
10046	TraesCS2D03G0282300	0.51179	1.47018	No	No
10047	TraesCS2D03G0283400	0.98697	2.11849	Down	Up
10048	TraesCS2D03G0285000	1.01541	1.10687	UP	UP
10049	TraesCS2D03G0285100	1.77546	1.51073	UP	UP
10050	TraesCS2D03G0286400	1.34957	0.42349	Up	Down
10051	TraesCS2D03G0286500	0.82918	0.06358	Down	Down
10052	TraesCS2D03G0286700	0.72929	2.04878	Down	Up
10053	TraesCS2D03G0288100	1.30211	0.33659	Up	Down
10054	TraesCS2D03G0288800	0.88251	1.7638	No	No
10055	TraesCS2D03G0289300	0.54467	2.40088	Down	Up
10056	TraesCS2D03G0289600	0.5352	3.5689	Down	Up
10059	TraesCS2D03G0291400	0.73905	0.73572	Down	Down
10060	TraesCS2D03G0291500	1.05442	1.57271	UP	UP
10061	TraesCS2D03G0291600	0.87048	1.47299	No	No
10063	TraesCS2D03G0293900	0.87821	4.75404	Down	Up
10064	TraesCS2D03G0294000	0.67113	3.61233	Down	Up
10065	TraesCS2D03G0294300	1.00688	0.49011	Up	Down
10066	TraesCS2D03G0296600	1.16488	0.60466	No	No
10067	TraesCS2D03G0297400	0.9824	0.95833	Down	Down
10068	TraesCS2D03G0297500	0.99305	0.88975	Down	Down
10069	TraesCS2D03G0297600	0.64987	1.68317	No	No
10070	TraesCS2D03G0297800	0.96376	0.97039	Down	Down
10071	TraesCS2D03G0297900	1.07977	1.09989	UP	UP
10072	TraesCS2D03G0299400	0.92642	1.43035	No	No
10073	TraesCS2D03G0299400	0.89565	2.01439	Down	Up

10074	TraesCS2D03G0299800	0.96164	2.05647	Down	Up
10075	TraesCS2D03G0300200	0.85058	0.96517	Down	Down
10078	TraesCS2D03G0301100	0.8884	0.66714	Down	Down
10079	TraesCS2D03G0302200	1.11046	0.54191	No	No
10081	TraesCS2D03G0303700	0.63346	1.81756	No	No
10082	TraesCS2D03G0304000	1.09517	1.27207	UP	UP
10083	TraesCS2D03G0304300	1.13698	0.97509	No	No
10084	TraesCS2D03G0305300	0.92993	1.11167	No	No
10085	TraesCS2D03G0305400	2.35456	1.17267	Up	Up
10086	TraesCS2D03G0305500	1.26596	1.03324	UP	UP
10087	TraesCS2D03G0306000	2.1062	0.48716	Up	Down
10088	TraesCS2D03G0306100	0.81019	0.9058	Down	Down
10089	TraesCS2D03G0306200	1.5139	1.31029	UP	UP
10090	TraesCS2D03G0306300	0.53157	0.63671	Down	Down
10091	TraesCS2D03G0306500	0.76554	1.87046	No	No
10092	TraesCS2D03G0306600	0.80148	1.12053	No	No
10093	TraesCS2D03G0306700	1.05134	0.68645	No	No
10094	TraesCS2D03G0307200	1.16897	0.65487	No	No
10095	TraesCS2D03G0307500	1.18576	0.53882	No	No
10096	TraesCS2D03G0309600	1.07129	1.08086	UP	UP
10104	TraesCS2D03G0312700	0.65118	2.11324	Down	Up
10105	TraesCS2D03G0313100	0.83691	1.68158	No	No
10106	TraesCS2D03G0313500	0.88147	1.87455	No	No
10107	TraesCS2D03G0314300	1.15035	0.66738	No	No
10108	TraesCS2D03G0315200	0.76164	1.57586	No	No
10110	TraesCS2D03G0316900	0.98208	1.90621	No	No
10111	TraesCS2D03G0317100	0.93595	0.33408	Down	Down
10112	TraesCS2D03G0317200	0.72393	2.45406	Down	Up
10113	TraesCS2D03G0317500	1.20178	0.9923	No	No
10114	TraesCS2D03G0318700	1.01978	1.17196	UP	UP
10118	TraesCS2D03G0320300	0.82231	3.97951	Down	Up
10119	TraesCS2D03G0320600	0.76754	1.06518	No	No
10120	TraesCS2D03G0320800	1.14182	1.2461	UP	UP
10121	TraesCS2D03G0321100	1.20884	1.61126	UP	UP
10123	TraesCS2D03G0323100	0.79759	0.67637	Down	Down
10124	TraesCS2D03G0324300	1.16457	1.84787	UP	UP
10125	TraesCS2D03G0324700	1.03515	0.55523	No	No
10127	TraesCS2D03G0325200	1.27212	0.95106	No	No
10130	TraesCS2D03G0328000	1.10727	0.94402	No	No
10131	TraesCS2D03G0328300	0.59497	1.83702	No	No
10132	TraesCS2D03G0328400	0.74428	1.42268	No	No
10133	TraesCS2D03G0328500	2.02304	1.2739	Up	Up
10134	TraesCS2D03G0330000	3.83731	0.31294	Up	Down
10135	TraesCS2D03G0331700	0.8745	0.60645	Down	Down
10136	TraesCS2D03G0331800	1.2014	1.42705	UP	UP
10137	TraesCS2D03G0332100	1.45855	0.66457	No	No
10138	TraesCS2D03G0332400	0.92939	0.37835	Down	Down
10139	TraesCS2D03G0333300	0.67419	1.25086	No	No
10140	TraesCS2D03G0333800	0.74553	1.42982	No	No
10142	TraesCS2D03G0334300	0.66762	0.94807	Down	Down
10143	TraesCS2D03G0335200	1.03216	2.34534	Up	Up
10146	TraesCS2D03G0335600	1.24633	1.08544	UP	UP

10147	TraesCS2D03G0335900	1.069	1.31676	UP	UP
10150	TraesCS2D03G0338500	0.82296	0.67724	Down	Down
10151	TraesCS2D03G0338700	0.89853	0.90176	Down	Down
10153	TraesCS2D03G0339200	0.82374	2.56753	Down	Up
10154	TraesCS2D03G0339300	0.70938	1.95804	No	No
10155	TraesCS2D03G0339400	1.05883	0.95317	No	No
10156	TraesCS2D03G0339800	1.08709	0.87617	No	No
10157	TraesCS2D03G0340400	1.30335	0.82809	No	No
10158	TraesCS2D03G0340400	0.71795	0.38677	Down	Down
10159	TraesCS2D03G0340500	1.36958	0.86908	No	No
10160	TraesCS2D03G0340800	0.53992	3.15572	Down	Up
10161	TraesCS2D03G0340900	0.61411	3.5889	Down	Up
10162	TraesCS2D03G0341200	1.28302	2.95447	Up	Up
10163	TraesCS2D03G0341200	1.53937	1.35649	UP	UP
10164	TraesCS2D03G0342600	1.10475	0.87407	No	No
10165	TraesCS2D03G0343400	2.00932	1.0313	Up	Up
10166	TraesCS2D03G0344200	0.46797	0.44508	Down	Down
10167	TraesCS2D03G0344700	0.87659	1.05511	No	No
10168	TraesCS2D03G0344900	0.63495	1.34694	No	No
10169	TraesCS2D03G0345200	1.16467	1.32777	UP	UP
10170	TraesCS2D03G0346600	0.92034	1.36425	No	No
10171	TraesCS2D03G0347500	1.35724	2.39884	Up	Up
10172	TraesCS2D03G0347700	1.14688	1.17422	UP	UP
10173	TraesCS2D03G0348900	0.62589	0.86481	Down	Down
10174	TraesCS2D03G0349900	0.81488	1.26147	No	No
10175	TraesCS2D03G0350600	1.28679	1.86853	UP	UP
10176	TraesCS2D03G0351700	1.12495	0.45034	Up	Down
10177	TraesCS2D03G0351800	1.06109	0.84797	No	No
10178	TraesCS2D03G0352000	0.38106	1.69602	Down	Up
10179	TraesCS2D03G0352100	0.93892	1.29187	No	No
10180	TraesCS2D03G0353300	0.45415	3.65952	Down	Up
10181	TraesCS2D03G0353400	2.58076	2.25999	UP	UP
10182	TraesCS2D03G0353400	1.23227	0.72449	No	No
10183	TraesCS2D03G0353500	1.17997	4.41139	Up	Up
10184	TraesCS2D03G0353700	0.79583	5.64446	Down	Up
10185	TraesCS2D03G0353800	0.7859	14.1533	Down	Up
10186	TraesCS2D03G0354000	1.02136	1.06791	UP	UP
10187	TraesCS2D03G0354800	0.86914	1.15599	No	No
10188	TraesCS2D03G0355300	0.93124	0.86334	Down	Down
10190	TraesCS2D03G0355700	1.01807	0.77233	No	No
10191	TraesCS2D03G0355800	0.9065	0.60875	Down	Down
10192	TraesCS2D03G0355800	1.32412	0.968	No	No
10193	TraesCS2D03G0355900	0.7173	1.43193	No	No
10194	TraesCS2D03G0356100	1.08939	1.07019	UP	UP
10195	TraesCS2D03G0356200	1.05669	1.54396	UP	UP
10196	TraesCS2D03G0356600	1.00758	1.52608	UP	UP
10197	TraesCS2D03G0356800	0.70944	2.06947	Down	Up
10198	TraesCS2D03G0356900	0.85487	8.97728	Down	Up
10199	TraesCS2D03G0357400	0.67699	1.85923	No	No
10200	TraesCS2D03G0357700	0.73642	3.07429	Down	Up
10201	TraesCS2D03G0358100	0.65222	3.68471	Down	Up
10202	TraesCS2D03G0358500	0.75788	2.65174	Down	Up

10203	TraesCS2D03G0358700	0.78183	1.34818	No	No
10204	TraesCS2D03G0358800	0.71776	0.93111	Down	Down
10206	TraesCS2D03G0360600	2.15033	1.64955	Up	Up
10207	TraesCS2D03G0361300	0.383	0.52736	Down	Down
10208	TraesCS2D03G0361400	0.52716	2.46294	Down	Up
10209	TraesCS2D03G0361500	0.92978	0.52159	Down	Down
10210	TraesCS2D03G0361900	0.7155	2.23263	Down	Up
10214	TraesCS2D03G0363200	1.92808	0.51985	No	No
10215	TraesCS2D03G0363300	1.11964	1.8938	UP	UP
10216	TraesCS2D03G0364000	1.00408	1.00338	UP	UP
10217	TraesCS2D03G0364300	1.43704	0.53925	No	No
10218	TraesCS2D03G0364600	0.9808	0.52888	Down	Down
10219	TraesCS2D03G0365000	0.53313	1.11363	No	No
10220	TraesCS2D03G0365600	0.85882	2.18736	Down	Up
10222	TraesCS2D03G0366600	0.99131	0.94442	Down	Down
10223	TraesCS2D03G0367300	0.82732	1.37912	No	No
10224	TraesCS2D03G0367400	0.72247	0.66906	Down	Down
10225	TraesCS2D03G0367500	1.13995	0.7009	No	No
10226	TraesCS2D03G0367600	1.00505	0.31328	Up	Down
10228	TraesCS2D03G0368300	1.03786	1.2644	UP	UP
10229	TraesCS2D03G0368600	1.21771	0.70039	No	No
10230	TraesCS2D03G0368700	0.78487	1.38239	No	No
10231	TraesCS2D03G0368800	0.76871	4.23699	Down	Up
10232	TraesCS2D03G0368900	0.90129	1.61362	No	No
10233	TraesCS2D03G0369200	4.15003	0.05554	Up	Down
10234	TraesCS2D03G0369400	0.76569	7.29651	Down	Up
10235	TraesCS2D03G0369700	0.72681	0.98671	Down	Down
10236	TraesCS2D03G0370200	1.15856	1.96396	UP	UP
10237	TraesCS2D03G0370400	0.89968	1.10863	No	No
10238	TraesCS2D03G0371500	0.69388	0.97203	Down	Down
10239	TraesCS2D03G0372000	0.97692	1.3218	No	No
10240	TraesCS2D03G0372200	0.52258	1.46584	No	No
10241	TraesCS2D03G0372500	1.30784	0.97937	No	No
10242	TraesCS2D03G0372900	1.22194	1.81222	UP	UP
10243	TraesCS2D03G0373100	0.77011	1.03861	No	No
10245	TraesCS2D03G0373800	0.7922	1.02098	No	No
10246	TraesCS2D03G0374000	0.73365	1.1227	No	No
10247	TraesCS2D03G0374300	0.84532	1.00228	No	No
10248	TraesCS2D03G0374400	1.03937	1.38362	UP	UP
10249	TraesCS2D03G0374400	0.74391	1.23389	No	No
10250	TraesCS2D03G0374600	0.82056	0.52405	Down	Down
10251	TraesCS2D03G0374600	1.25324	0.73128	No	No
10252	TraesCS2D03G0374600	1.24564	1.2064	UP	UP
10254	TraesCS2D03G0374800	1.04588	0.34	Up	Down
10255	TraesCS2D03G0375300	1.63025	0.88275	No	No
10256	TraesCS2D03G0376300	0.84801	1.03657	No	No
10257	TraesCS2D03G0377200	0.89616	0.4233	Down	Down
10258	TraesCS2D03G0377500	0.62898	1.27823	No	No
10259	TraesCS2D03G0377900	0.37487	1.71007	Down	Up
10261	TraesCS2D03G0378600	0.23493	1.23744	Down	Up
10262	TraesCS2D03G0379400	1.2276	0.6286	No	No
10263	TraesCS2D03G0379400	0.79456	0.54823	Down	Down

10264	TraesCS2D03G0380500	0.81075	0.89076	Down	Down
10265	TraesCS2D03G0382200	1.3704	0.43507	Up	Down
10266	TraesCS2D03G0382300	0.80636	0.9321	Down	Down
10267	TraesCS2D03G0382400	0.653	1.31018	No	No
10268	TraesCS2D03G0383200	0.91883	1.16539	No	No
10271	TraesCS2D03G0384900	0.3077	3.04541	Down	Up
10272	TraesCS2D03G0385000	0.97709	1.19918	No	No
10273	TraesCS2D03G0385600	0.8716	0.42473	Down	Down
10274	TraesCS2D03G0386000	0.97775	1.24244	No	No
10275	TraesCS2D03G0388200	1.17023	0.76628	No	No
10276	TraesCS2D03G0388400	0.70674	0.96134	Down	Down
10277	TraesCS2D03G0388600	1.31833	0.32258	Up	Down
10278	TraesCS2D03G0388700	0.77025	0.85276	Down	Down
10279	TraesCS2D03G0388700	1.33274	0.59874	No	No
10281	TraesCS2D03G0389600	0.6352	0.80904	Down	Down
10283	TraesCS2D03G0393400	0.72543	0.71759	Down	Down
10284	TraesCS2D03G0393500	1.0727	0.85391	No	No
10285	TraesCS2D03G0394100	0.99086	0.98058	Down	Down
10286	TraesCS2D03G0394400	0.85861	0.69995	Down	Down
10287	TraesCS2D03G0394600	0.94888	1.42731	No	No
10288	TraesCS2D03G0395400	1.04899	0.88639	No	No
10289	TraesCS2D03G0395500	1.00967	1.02327	UP	UP
10290	TraesCS2D03G0396300	0.75437	0.73208	Down	Down
10291	TraesCS2D03G0396300	1.1126	1.0141	UP	UP
10292	TraesCS2D03G0397000	0.77706	1.3016	No	No
10293	TraesCS2D03G0397100	1.32097	0.65579	No	No
10295	TraesCS2D03G0397600	0.66539	4.26404	Down	Up
10296	TraesCS2D03G0397800	1.48571	0.85708	No	No
10297	TraesCS2D03G0397900	0.80204	0.52017	Down	Down
10298	TraesCS2D03G0398300	1.39692	0.50536	No	No
10299	TraesCS2D03G0398700	0.58786	0.9952	Down	Down
10302	TraesCS2D03G0399900	1.01715	1.4723	UP	UP
10305	TraesCS2D03G0403000	1.10243	1.99399	UP	UP
10306	TraesCS2D03G0403600	1.14404	0.50872	No	No
10308	TraesCS2D03G0404700	0.87838	1.08547	No	No
10309	TraesCS2D03G0405200	0.55621	1.67322	No	No
10312	TraesCS2D03G0406000	0.98398	2.5459	Down	Up
10313	TraesCS2D03G0407300	1.48135	1.4704	UP	UP
10314	TraesCS2D03G0407500	0.78166	1.66255	No	No
10315	TraesCS2D03G0408000	0.89032	1.32065	No	No
10316	TraesCS2D03G0409300	0.92343	1.87275	No	No
10317	TraesCS2D03G0410100	0.76975	5.98858	Down	Up
10318	TraesCS2D03G0410200	0.97638	0.98041	Down	Down
10319	TraesCS2D03G0410500	0.94236	1.07028	No	No
10320	TraesCS2D03G0410700	1.15526	1.09005	UP	UP
10321	TraesCS2D03G0410800	0.99528	1.9152	No	No
10323	TraesCS2D03G0411500	1.05315	0.28501	Up	Down
10324	TraesCS2D03G0411800	1.00628	2.3441	Up	Up
10325	TraesCS2D03G0411800	0.8239	0.49711	Down	Down
10326	TraesCS2D03G0412400	1.24639	1.30297	UP	UP
10327	TraesCS2D03G0413000	1.0685	0.75261	No	No
10328	TraesCS2D03G0413100	0.80288	2.22981	Down	Up

10329	TraesCS2D03G0413700	0.8287	1.28594	No	No
10331	TraesCS2D03G0415900	1.02387	3.25019	Up	Up
10332	TraesCS2D03G0416100	0.41896	2.94953	Down	Up
10333	TraesCS2D03G0416500	0.79305	0.6527	Down	Down
10334	TraesCS2D03G0417400	0.74377	0.69889	Down	Down
10337	TraesCS2D03G0417700	0.91683	2.32155	Down	Up
10338	TraesCS2D03G0417900	0.6744	1.03809	No	No
10339	TraesCS2D03G0418800	0.87114	0.73848	Down	Down
10341	TraesCS2D03G0419600	1.31538	1.19049	UP	UP
10342	TraesCS2D03G0419800	0.84227	1.15552	No	No
10343	TraesCS2D03G0420100	0.73482	1.25894	No	No
10344	TraesCS2D03G0420300	0.88721	0.13074	Down	Down
10345	TraesCS2D03G0420800	1.09357	0.53119	No	No
10346	TraesCS2D03G0421000	0.96835	1.06238	No	No
10347	TraesCS2D03G0421200	1.21078	0.87765	No	No
10348	TraesCS2D03G0421300	0.68989	5.28955	Down	Up
10349	TraesCS2D03G0422400	0.72855	0.90643	Down	Down
10351	TraesCS2D03G0424000	1.0738	1.04444	UP	UP
10352	TraesCS2D03G0425800	0.60589	3.16183	Down	Up
10353	TraesCS2D03G0425900	0.67734	2.45627	Down	Up
10354	TraesCS2D03G0426200	1.24887	1.35171	UP	UP
10355	TraesCS2D03G0426500	0.58731	1.45437	No	No
10356	TraesCS2D03G0426700	0.87334	2.20819	Down	Up
10357	TraesCS2D03G0427000	1.31484	0.86369	No	No
10358	TraesCS2D03G0427900	1.13484	1.15601	UP	UP
10359	TraesCS2D03G0428300	0.63023	1.14075	No	No
10360	TraesCS2D03G0428700	0.87902	1.05488	No	No
10361	TraesCS2D03G0428800	1.49593	1.35866	UP	UP
10362	TraesCS2D03G0429000	0.97099	1.1732	No	No
10363	TraesCS2D03G0429200	1.05322	0.9621	No	No
10364	TraesCS2D03G0429300	1.14879	1.48966	UP	UP
10365	TraesCS2D03G0429700	0.91796	1.29066	No	No
10367	TraesCS2D03G0430000	0.95775	0.81698	Down	Down
10368	TraesCS2D03G0430200	0.87762	0.40485	Down	Down
10369	TraesCS2D03G0430700	0.5721	1.24425	No	No
10370	TraesCS2D03G0431000	1.45846	0.76337	No	No
10371	TraesCS2D03G0431500	1.16199	0.70744	No	No
10372	TraesCS2D03G0432100	0.71733	3.54484	Down	Up
10373	TraesCS2D03G0432300	0.32651	0.84532	Down	Down
10374	TraesCS2D03G0432500	0.92745	0.42446	Down	Down
10375	TraesCS2D03G0432800	1.14098	1.37373	UP	UP
10376	TraesCS2D03G0433200	1.13802	1.25758	UP	UP
10377	TraesCS2D03G0433700	1.5299	0.91378	No	No
10378	TraesCS2D03G0434000	0.9483	0.38912	Down	Down
10379	TraesCS2D03G0434100	1.40337	1.40302	UP	UP
10380	TraesCS2D03G0434200	0.94404	0.91215	Down	Down
10381	TraesCS2D03G0434300	0.89268	1.08004	No	No
10382	TraesCS2D03G0435000	0.92304	1.0976	No	No
10383	TraesCS2D03G0435300	0.78403	0.42515	Down	Down
10384	TraesCS2D03G0435400	0.78536	0.87703	Down	Down
10385	TraesCS2D03G0435400	0.96546	0.80068	Down	Down
10386	TraesCS2D03G0436200	0.82421	0.92736	Down	Down

10387	TraesCS2D03G0436300	0.53188	0.68795	Down	Down
10388	TraesCS2D03G0436600	1.05249	0.63879	No	No
10389	TraesCS2D03G0438000	0.94041	0.59811	Down	Down
10390	TraesCS2D03G0438600	0.85105	0.12929	Down	Down
10391	TraesCS2D03G0438800	0.95534	0.5321	Down	Down
10392	TraesCS2D03G0439100	0.83356	1.46668	No	No
10397	TraesCS2D03G0442600	0.91009	0.59375	Down	Down
10398	TraesCS2D03G0442700	0.74088	1.00396	No	No
10399	TraesCS2D03G0442900	1.1015	1.36285	UP	UP
10400	TraesCS2D03G0443200	1.05696	1.72301	UP	UP
10401	TraesCS2D03G0443500	1.07329	1.12944	UP	UP
10402	TraesCS2D03G0443600	0.57728	0.63903	Down	Down
10404	TraesCS2D03G0444200	0.98524	1.11871	No	No
10405	TraesCS2D03G0444900	0.96885	1.34613	No	No
10406	TraesCS2D03G0445500	0.86552	1.851	No	No
10407	TraesCS2D03G0446600	0.98967	1.12875	No	No
10408	TraesCS2D03G0446900	0.99423	1.81316	No	No
10409	TraesCS2D03G0447000	0.78853	0.30697	Down	Down
10412	TraesCS2D03G0447800	1.05957	1.31103	UP	UP
10413	TraesCS2D03G0448600	1.00928	1.26073	UP	UP
10414	TraesCS2D03G0449800	1.37866	1.27362	UP	UP
10415	TraesCS2D03G0450700	1.2987	1.33999	UP	UP
10416	TraesCS2D03G0450900	1.78873	2.59382	Up	Up
10417	TraesCS2D03G0451200	1.03987	0.43147	Up	Down
10419	TraesCS2D03G0451400	0.90685	1.06163	No	No
10420	TraesCS2D03G0451800	0.85119	1.0638	No	No
10421	TraesCS2D03G0452200	0.74636	0.88132	Down	Down
10422	TraesCS2D03G0452400	0.9541	1.37757	No	No
10423	TraesCS2D03G0453600	1.41419	1.34115	UP	UP
10425	TraesCS2D03G0454300	0.70257	1.50893	No	No
10426	TraesCS2D03G0454600	0.91457	1.72764	No	No
10427	TraesCS2D03G0455700	0.77342	1.11493	No	No
10428	TraesCS2D03G0456700	1.01257	1.07119	UP	UP
10429	TraesCS2D03G0456900	1.00925	1.306	UP	UP
10430	TraesCS2D03G0457400	1.02949	0.9149	No	No
10434	TraesCS2D03G0459100	1.11765	0.50167	No	No
10435	TraesCS2D03G0459900	0.69515	2.0791	Down	Up
10436	TraesCS2D03G0460900	1.58294	3.75531	Up	Up
10437	TraesCS2D03G0460900	0.90712	2.6149	Down	Up
10447	TraesCS2D03G0465000	0.74454	0.40993	Down	Down
10449	TraesCS2D03G0465500	0.73054	1.37277	No	No
10450	TraesCS2D03G0465600	1.17685	1.25364	UP	UP
10451	TraesCS2D03G0465800	0.9714	3.65553	Down	Up
10452	TraesCS2D03G0466100	1.37947	0.99704	No	No
10453	TraesCS2D03G0466200	1.15553	0.62213	No	No
10454	TraesCS2D03G0466300	1.20427	0.70585	No	No
10455	TraesCS2D03G0466800	0.96121	0.77795	Down	Down
10456	TraesCS2D03G0467000	0.6119	4.31501	Down	Up
10457	TraesCS2D03G0467300	0.96394	0.73692	Down	Down
10458	TraesCS2D03G0467500	0.67819	0.32533	Down	Down
10459	TraesCS2D03G0468000	1.47398	1.2143	UP	UP
10460	TraesCS2D03G0468700	0.87326	1.70926	No	No

10463	TraesCS2D03G0471300	0.45132	3.36503	Down	Up
10464	TraesCS2D03G0471800	1.19635	3.12465	Up	Up
10465	TraesCS2D03G0472700	0.55878	4.58418	Down	Up
10466	TraesCS2D03G0475700	1.0928	1.49876	UP	UP
10467	TraesCS2D03G0475800	1.01336	1.10429	UP	UP
10468	TraesCS2D03G0475900	0.90183	0.89287	Down	Down
10469	TraesCS2D03G0476000	3.95954	3.39892	Up	Up
10470	TraesCS2D03G0476200	0.85788	0.63048	Down	Down
10471	TraesCS2D03G0476300	1.18789	0.53934	No	No
10472	TraesCS2D03G0476800	1.09866	0.93281	No	No
10473	TraesCS2D03G0476900	0.90751	0.6267	Down	Down
10474	TraesCS2D03G0477600	0.95896	1.27831	No	No
10475	TraesCS2D03G0478400	2.47378	2.54317	UP	UP
10476	TraesCS2D03G0478500	0.55543	1.58496	No	No
10477	TraesCS2D03G0478700	1.02715	0.97629	No	No
10478	TraesCS2D03G0479100	1.29749	2.51556	Up	Up
10479	TraesCS2D03G0479400	0.72775	1.06839	No	No
10480	TraesCS2D03G0479600	0.73769	3.55681	Down	Up
10481	TraesCS2D03G0479700	0.84825	0.4079	Down	Down
10482	TraesCS2D03G0479800	1.23611	0.5472	No	No
10483	TraesCS2D03G0481700	1.43284	0.85372	No	No
10484	TraesCS2D03G0481800	0.97012	1.039	No	No
10485	TraesCS2D03G0482000	1.11117	1.08579	UP	UP
10486	TraesCS2D03G0483400	0.60423	2.11068	Down	Up
10487	TraesCS2D03G0483500	0.97322	1.02535	No	No
10488	TraesCS2D03G0483900	0.70853	0.73374	Down	Down
10489	TraesCS2D03G0483900	0.81941	3.08194	Down	Up
10490	TraesCS2D03G0484000	1.14598	0.81162	No	No
10491	TraesCS2D03G0484400	0.9633	1.23999	No	No
10492	TraesCS2D03G0484600	1.01599	1.21491	UP	UP
10493	TraesCS2D03G0484900	0.9839	0.91063	Down	Down
10494	TraesCS2D03G0485000	0.93037	1.66378	No	No
10495	TraesCS2D03G0485100	0.87882	0.43137	Down	Down
10496	TraesCS2D03G0485400	1.09961	1.32015	UP	UP
10498	TraesCS2D03G0485800	1.13354	1.13206	UP	UP
10499	TraesCS2D03G0487600	0.95853	1.46619	No	No
10500	TraesCS2D03G0488200	1.08021	2.55605	Up	Up
10501	TraesCS2D03G0488600	1.13438	0.69386	No	No
10502	TraesCS2D03G0488800	1.46679	0.37264	Up	Down
10503	TraesCS2D03G0488900	1.0098	0.42875	Up	Down
10504	TraesCS2D03G0489400	1.07244	1.54616	UP	UP
10505	TraesCS2D03G0491600	0.66313	1.11879	No	No
10506	TraesCS2D03G0491900	1.35591	0.63966	No	No
10507	TraesCS2D03G0492700	0.80595	1.72126	No	No
10508	TraesCS2D03G0493300	0.70472	1.95869	No	No
10509	TraesCS2D03G0493400	0.84485	0.89349	Down	Down
10512	TraesCS2D03G0494100	0.56889	2.51578	Down	Up
10513	TraesCS2D03G0494400	0.98953	1.45818	No	No
10516	TraesCS2D03G0495100	0.74862	0.50795	Down	Down
10517	TraesCS2D03G0495200	1.22892	0.8864	No	No
10519	TraesCS2D03G0496200	0.93652	1.69989	No	No
10520	TraesCS2D03G0497200	0.67838	1.36348	No	No

10522	TraesCS2D03G0498200	1.13345	2.04508	Up	Up
10524	TraesCS2D03G0499700	0.53347	3.29804	Down	Up
10525	TraesCS2D03G0499800	0.91559	1.73594	No	No
10526	TraesCS2D03G0500900	0.99414	1.07981	No	No
10527	TraesCS2D03G0501500	1.0872	0.75048	No	No
10528	TraesCS2D03G0501600	0.85382	2.28664	Down	Up
10529	TraesCS2D03G0501600	1.80148	0.80671	No	No
10530	TraesCS2D03G0502000	0.82252	0.79132	Down	Down
10531	TraesCS2D03G0502500	1.11335	0.97899	No	No
10532	TraesCS2D03G0503300	0.94132	1.5408	No	No
10533	TraesCS2D03G0504500	0.70114	1.20976	No	No
10534	TraesCS2D03G0505200	0.67464	1.13444	No	No
10537	TraesCS2D03G0507000	1.08958	1.11453	UP	UP
10538	TraesCS2D03G0507200	0.66452	1.59403	No	No
10540	TraesCS2D03G0507800	0.64194	0.42383	Down	Down
10543	TraesCS2D03G0510000	0.86891	1.05397	No	No
10544	TraesCS2D03G0510100	0.90871	1.35395	No	No
10545	TraesCS2D03G0510700	1.03268	0.57345	No	No
10546	TraesCS2D03G0511000	0.81089	0.92294	Down	Down
10552	TraesCS2D03G0512400	1.35143	1.52067	UP	UP
10553	TraesCS2D03G0513200	1.60861	1.43567	UP	UP
10554	TraesCS2D03G0514700	0.69038	0.89418	Down	Down
10555	TraesCS2D03G0514700	1.18504	11.8977	Up	Up
10559	TraesCS2D03G0515600	0.92501	1.06774	No	No
10561	TraesCS2D03G0518500	1.34187	1.26685	UP	UP
10564	TraesCS2D03G0519400	0.49333	1.37168	Down	Up
10565	TraesCS2D03G0519500	0.96349	0.66299	Down	Down
10568	TraesCS2D03G0521300	1.04332	0.91534	No	No
10570	TraesCS2D03G0521500	1.09156	0.53717	No	No
10572	TraesCS2D03G0521900	0.9759	1.52317	No	No
10573	TraesCS2D03G0522200	1.15918	0.2157	Up	Down
10574	TraesCS2D03G0522800	0.89505	0.39448	Down	Down
10575	TraesCS2D03G0522900	0.93715	0.45564	Down	Down
10578	TraesCS2D03G0523600	1.42281	1.64103	UP	UP
10580	TraesCS2D03G0523800	0.86625	0.82176	Down	Down
10582	TraesCS2D03G0524800	0.79015	1.14165	No	No
10584	TraesCS2D03G0525200	1.50569	1.17496	UP	UP
10588	TraesCS2D03G0527200	0.98009	1.20896	No	No
10589	TraesCS2D03G0527300	0.71849	0.35189	Down	Down
10590	TraesCS2D03G0527300	1.36494	0.73293	No	No
10592	TraesCS2D03G0528000	1.36788	1.22287	UP	UP
10597	TraesCS2D03G0529200	0.63272	1.07491	No	No
10598	TraesCS2D03G0529500	0.98441	1.72702	No	No
10599	TraesCS2D03G0529800	0.88626	1.24726	No	No
10600	TraesCS2D03G0531000	1.00782	0.83991	No	No
10601	TraesCS2D03G0531500	0.86454	1.87701	No	No
10602	TraesCS2D03G0533300	0.80109	2.05897	Down	Up
10603	TraesCS2D03G0536300	1.10049	1.61136	UP	UP
10604	TraesCS2D03G0538300	0.92132	0.81523	Down	Down
10605	TraesCS2D03G0538700	1.42761	0.93972	No	No
10606	TraesCS2D03G0539200	1.16252	1.34504	UP	UP
10609	TraesCS2D03G0541100	0.63303	0.77476	Down	Down

10610	TraesCS2D03G0541200	2.02229	0.7986	Up	Down
10611	TraesCS2D03G0541400	1.3926	0.96133	No	No
10612	TraesCS2D03G0542100	0.7693	1.58223	No	No
10615	TraesCS2D03G0546400	1.17689	1.19407	UP	UP
10619	TraesCS2D03G0549700	0.64616	1.14026	No	No
10620	TraesCS2D03G0550700	0.80995	1.2194	No	No
10622	TraesCS2D03G0551600	1.06693	0.81612	No	No
10623	TraesCS2D03G0552200	0.7321	1.35933	No	No
10625	TraesCS2D03G0552600	0.86564	1.27537	No	No
10630	TraesCS2D03G0556300	1.1416	0.55253	No	No
10632	TraesCS2D03G0558600	0.8663	1.15264	No	No
10636	TraesCS2D03G0560100	0.79907	1.42046	No	No
10637	TraesCS2D03G0560200	1.26823	0.40913	Up	Down
10638	TraesCS2D03G0561100	0.6169	0.7944	Down	Down
10639	TraesCS2D03G0561700	0.97215	2.12863	Down	Up
10640	TraesCS2D03G0561800	1.18719	1.29791	UP	UP
10641	TraesCS2D03G0563300	0.79909	1.50253	No	No
10642	TraesCS2D03G0563700	0.69357	1.08636	No	No
10643	TraesCS2D03G0568700	0.84812	0.87232	Down	Down
10644	TraesCS2D03G0569500	0.70689	0.99848	Down	Down
10645	TraesCS2D03G0569700	1.08707	0.36243	Up	Down
10646	TraesCS2D03G0570300	1.10703	0.6023	No	No
10647	TraesCS2D03G0570400	0.64031	0.79127	Down	Down
10648	TraesCS2D03G0570500	0.90487	0.85409	Down	Down
10649	TraesCS2D03G0570700	0.92709	4.84494	Down	Up
10650	TraesCS2D03G0571000	0.85653	2.18161	Down	Up
10651	TraesCS2D03G0571700	0.88636	1.21438	No	No
10652	TraesCS2D03G0571800	0.90895	0.60458	Down	Down
10655	TraesCS2D03G0573100	1.23399	0.97927	No	No
10656	TraesCS2D03G0574000	0.91639	1.53196	No	No
10657	TraesCS2D03G0574900	0.94588	1.07087	No	No
10658	TraesCS2D03G0574900	1.29953	1.0385	UP	UP
10659	TraesCS2D03G0575300	1.01418	2.98598	Up	Up
10660	TraesCS2D03G0575500	0.66369	4.41713	Down	Up
10661	TraesCS2D03G0575600	1.2804	1.18663	UP	UP
10664	TraesCS2D03G0576500	1.80408	0.58951	No	No
10665	TraesCS2D03G0577400	1.58282	2.99241	Up	Up
10666	TraesCS2D03G0577600	0.75851	1.12664	No	No
10667	TraesCS2D03G0577900	0.59881	0.57439	Down	Down
10668	TraesCS2D03G0578400	0.69021	0.48893	Down	Down
10669	TraesCS2D03G0578600	1.0124	1.47935	UP	UP
10670	TraesCS2D03G0578800	0.81614	2.89658	Down	Up
10672	TraesCS2D03G0580100	0.3958	1.993	Down	Up
10674	TraesCS2D03G0580700	0.78896	0.54264	Down	Down
10675	TraesCS2D03G0580800	0.85253	1.00201	No	No
10676	TraesCS2D03G0581700	0.8665	0.50356	Down	Down
10677	TraesCS2D03G0582100	1.42224	1.7778	UP	UP
10678	TraesCS2D03G0583400	0.90061	0.71817	Down	Down
10679	TraesCS2D03G0583500	0.9179	0.96001	Down	Down
10680	TraesCS2D03G0583900	1.2035	0.995	No	No
10681	TraesCS2D03G0584300	0.78129	0.11318	Down	Down
10684	TraesCS2D03G0586900	0.92485	1.06732	No	No

10685	TraesCS2D03G0587000	1.10834	0.59785	No	No
10686	TraesCS2D03G0587000	1.43007	1.09543	UP	UP
10687	TraesCS2D03G0587100	0.99871	0.28588	Down	Down
10688	TraesCS2D03G0587200	0.8484	0.49325	Down	Down
10689	TraesCS2D03G0587700	1.59885	0.6583	No	No
10690	TraesCS2D03G0588000	1.31007	0.79008	No	No
10691	TraesCS2D03G0588300	0.71556	0.3836	Down	Down
10692	TraesCS2D03G0588800	1.16568	1.30221	UP	UP
10693	TraesCS2D03G0589000	0.96766	0.69699	Down	Down
10694	TraesCS2D03G0589200	0.69289	1.97252	No	No
10695	TraesCS2D03G0589400	1.2408	0.37669	Up	Down
10696	TraesCS2D03G0589500	0.98636	3.74172	Down	Up
10698	TraesCS2D03G0590200	1.20911	0.54142	No	No
10700	TraesCS2D03G0592800	0.63156	4.87119	Down	Up
10701	TraesCS2D03G0593600	1.18664	1.03053	UP	UP
10702	TraesCS2D03G0594000	0.94629	1.05026	No	No
10703	TraesCS2D03G0594100	0.7766	1.56504	No	No
10704	TraesCS2D03G0594600	0.59005	4.06625	Down	Up
10705	TraesCS2D03G0594800	0.89045	1.17618	No	No
10706	TraesCS2D03G0595300	1.21711	0.30331	Up	Down
10707	TraesCS2D03G0596300	1.93119	1.19681	UP	UP
10709	TraesCS2D03G0596500	1.11704	1.18712	UP	UP
10710	TraesCS2D03G0597000	1.04516	1.64851	UP	UP
10711	TraesCS2D03G0597600	1.19602	0.64431	No	No
10712	TraesCS2D03G0597700	1.99973	0.71835	No	No
10714	TraesCS2D03G0597900	3.34549	0.89448	Up	Down
10715	TraesCS2D03G0598600	1.83441	0.91113	No	No
10716	TraesCS2D03G0598800	0.5682	4.30348	Down	Up
10717	TraesCS2D03G0599800	0.80151	1.36546	No	No
10718	TraesCS2D03G0599900	0.89072	0.95934	Down	Down
10720	TraesCS2D03G0600100	1.30633	0.37799	Up	Down
10721	TraesCS2D03G0600700	0.73278	0.85133	Down	Down
10724	TraesCS2D03G0601600	0.77374	1.13237	No	No
10725	TraesCS2D03G0601800	0.89271	0.97256	Down	Down
10726	TraesCS2D03G0602300	0.88021	1.45374	No	No
10727	TraesCS2D03G0602600	1.03211	0.96288	No	No
10728	TraesCS2D03G0603200	1.24152	0.57917	No	No
10729	TraesCS2D03G0603300	0.82462	0.70791	Down	Down
10730	TraesCS2D03G0603400	0.90072	1.06631	No	No
10731	TraesCS2D03G0603900	1.1304	1.28363	UP	UP
10732	TraesCS2D03G0604200	0.99436	1.0935	No	No
10733	TraesCS2D03G0604900	0.72014	3.89572	Down	Up
10734	TraesCS2D03G0605000	1.67668	0.64514	No	No
10735	TraesCS2D03G0605000	1.16369	0.58288	No	No
10736	TraesCS2D03G0605600	0.35493	0.91452	Down	Down
10737	TraesCS2D03G0605700	0.96394	0.72483	Down	Down
10738	TraesCS2D03G0606300	0.76286	1.51246	No	No
10739	TraesCS2D03G0606700	0.91277	1.25897	No	No
10741	TraesCS2D03G0607200	1.02632	0.94797	No	No
10742	TraesCS2D03G0607400	1.22792	1.12657	UP	UP
10743	TraesCS2D03G0607900	1.21657	0.51902	No	No
10744	TraesCS2D03G0608400	0.92226	0.836	Down	Down

10745	TraesCS2D03G0609000	1.09188	0.53145	No	No
10746	TraesCS2D03G0609300	0.9464	10.1744	Down	Up
10747	TraesCS2D03G0609400	1.04428	0.8018	No	No
10748	TraesCS2D03G0609400	1.05734	0.53584	No	No
10750	TraesCS2D03G0612000	1.02834	1.32353	UP	UP
10751	TraesCS2D03G0612400	0.79777	1.12056	No	No
10752	TraesCS2D03G0612600	0.99973	1.07146	No	No
10753	TraesCS2D03G0612700	1.299	1.03119	UP	UP
10758	TraesCS2D03G0614700	1.06923	1.23456	UP	UP
10759	TraesCS2D03G0615300	0.82634	0.89484	Down	Down
10760	TraesCS2D03G0615700	1.19568	0.36076	Up	Down
10761	TraesCS2D03G0616500	1.64479	0.51955	No	No
10762	TraesCS2D03G0616600	0.70519	0.97335	Down	Down
10763	TraesCS2D03G0616700	1.11704	0.77681	No	No
10765	TraesCS2D03G0617100	1.41897	0.62886	No	No
10766	TraesCS2D03G0617200	1.04973	0.11169	Up	Down
10767	TraesCS2D03G0617500	1.21779	1.63247	UP	UP
10769	TraesCS2D03G0618000	1.15532	1.01759	UP	UP
10770	TraesCS2D03G0618100	1.10922	1.04997	UP	UP
10771	TraesCS2D03G0618500	0.72349	0.70214	Down	Down
10773	TraesCS2D03G0620000	0.69286	0.803	Down	Down
10775	TraesCS2D03G0620700	0.95128	3.41305	Down	Up
10777	TraesCS2D03G0621500	1.01361	0.84682	No	No
10778	TraesCS2D03G0621900	1.31532	0.85618	No	No
10779	TraesCS2D03G0622000	1.14355	1.06626	UP	UP
10780	TraesCS2D03G0622100	1.07465	1.12112	UP	UP
10781	TraesCS2D03G0625600	0.54798	2.82357	Down	Up
10782	TraesCS2D03G0627700	0.79414	1.47343	No	No
10783	TraesCS2D03G0627800	0.97306	1.53742	No	No
10784	TraesCS2D03G0628000	0.86789	1.66306	No	No
10785	TraesCS2D03G0628100	0.97321	0.24938	Down	Down
10786	TraesCS2D03G0628500	0.58394	0.6107	Down	Down
10787	TraesCS2D03G0628800	0.83595	0.37165	Down	Down
10789	TraesCS2D03G0629200	0.82028	0.94788	Down	Down
10790	TraesCS2D03G0629500	0.88604	1.68361	No	No
10791	TraesCS2D03G0629700	0.87221	1.48662	No	No
10792	TraesCS2D03G0630000	1.06423	0.74979	No	No
10793	TraesCS2D03G0630100	1.24333	0.21169	Up	Down
10794	TraesCS2D03G0630500	1.06609	0.75143	No	No
10795	TraesCS2D03G0630800	1.05059	1.64542	UP	UP
10796	TraesCS2D03G0631500	0.79829	1.40329	No	No
10797	TraesCS2D03G0631600	0.87876	1.72505	No	No
10799	TraesCS2D03G0631800	1.08246	0.73329	No	No
10800	TraesCS2D03G0632200	1.13731	1.36386	UP	UP
10802	TraesCS2D03G0632900	1.48615	0.825	No	No
10803	TraesCS2D03G0633700	0.91942	2.54509	Down	Up
10804	TraesCS2D03G0634200	0.78097	1.31206	No	No
10805	TraesCS2D03G0634400	0.72264	1.03205	No	No
10809	TraesCS2D03G0638200	0.67087	1.00906	No	No
10812	TraesCS2D03G0639100	0.61236	1.36993	No	No
10813	TraesCS2D03G0639400	0.56422	1.04481	No	No
10814	TraesCS2D03G0640700	0.96184	0.82274	Down	Down

10815	TraesCS2D03G0642200	1.12306	0.90565	No	No
10816	TraesCS2D03G0642300	0.81738	1.29102	No	No
10817	TraesCS2D03G0643600	1.88258	1.51665	UP	UP
10818	TraesCS2D03G0644100	0.64217	1.20975	No	No
10819	TraesCS2D03G0644600	0.85016	2.23538	Down	Up
10820	TraesCS2D03G0644700	1.00269	1.21683	UP	UP
10822	TraesCS2D03G0644900	0.92325	0.9995	Down	Down
10823	TraesCS2D03G0645200	0.75584	0.89902	Down	Down
10824	TraesCS2D03G0645200	0.75791	1.66636	No	No
10825	TraesCS2D03G0645600	1.43862	0.26056	Up	Down
10826	TraesCS2D03G0646300	1.2579	2.7348	Up	Up
10827	TraesCS2D03G0646400	0.8746	0.69447	Down	Down
10828	TraesCS2D03G0647500	0.70732	1.09363	No	No
10829	TraesCS2D03G0647900	1.10737	1.15746	UP	UP
10830	TraesCS2D03G0648000	0.71608	1.69919	No	No
10831	TraesCS2D03G0648100	1.18629	0.41348	Up	Down
10832	TraesCS2D03G0648100	1.03524	0.11051	Up	Down
10834	TraesCS2D03G0648400	0.436	1.76043	Down	Up
10835	TraesCS2D03G0648700	0.9789	3.70702	Down	Up
10836	TraesCS2D03G0650200	0.8316	0.63771	Down	Down
10837	TraesCS2D03G0650300	0.63179	1.16109	No	No
10838	TraesCS2D03G0650600	1.40143	0.59963	No	No
10839	TraesCS2D03G0651600	0.84784	1.01671	No	No
10842	TraesCS2D03G0652100	0.7557	1.43695	No	No
10843	TraesCS2D03G0652200	0.75434	0.6516	Down	Down
10845	TraesCS2D03G0652400	1.10536	2.89544	Up	Up
10846	TraesCS2D03G0652500	0.73526	0.65604	Down	Down
10847	TraesCS2D03G0653000	0.86172	1.28072	No	No
10848	TraesCS2D03G0653000	1.01372	1.10909	UP	UP
10849	TraesCS2D03G0653100	0.97218	0.99256	Down	Down
10850	TraesCS2D03G0655400	0.48998	1.01344	Down	Up
10851	TraesCS2D03G0655600	0.74971	0.70636	Down	Down
10852	TraesCS2D03G0656200	1.58763	1.45647	UP	UP
10853	TraesCS2D03G0656300	0.74998	1.21075	No	No
10854	TraesCS2D03G0656400	0.94233	0.86643	Down	Down
10857	TraesCS2D03G0657000	0.96903	0.86802	Down	Down
10859	TraesCS2D03G0658600	1.19564	0.35685	Up	Down
10860	TraesCS2D03G0658800	0.67343	1.72966	No	No
10862	TraesCS2D03G0659500	1.5016	0.68798	No	No
10863	TraesCS2D03G0659600	0.86123	1.06091	No	No
10864	TraesCS2D03G0660100	0.74832	2.96357	Down	Up
10865	TraesCS2D03G0660100	1.30369	1.57791	UP	UP
10866	TraesCS2D03G0660800	0.88054	0.8579	Down	Down
10867	TraesCS2D03G0661500	1.26973	0.63715	No	No
10868	TraesCS2D03G0661800	0.65698	0.53189	Down	Down
10869	TraesCS2D03G0662100	1.04504	0.97515	No	No
10870	TraesCS2D03G0663300	0.83787	0.29262	Down	Down
10871	TraesCS2D03G0663400	0.87024	0.65603	Down	Down
10872	TraesCS2D03G0664000	0.62214	0.59691	Down	Down
10873	TraesCS2D03G0664100	0.93663	0.33942	Down	Down
10876	TraesCS2D03G0664600	1.15904	1.08762	UP	UP
10877	TraesCS2D03G0665200	0.57339	0.63758	Down	Down

10878	TraesCS2D03G0665500	0.99122	1.00256	No	No
10879	TraesCS2D03G0665800	0.82117	1.46657	No	No
10880	TraesCS2D03G0667000	0.39262	3.29963	Down	Up
10881	TraesCS2D03G0667600	1.27744	0.37497	Up	Down
10882	TraesCS2D03G0667900	1.04466	1.04919	UP	UP
10883	TraesCS2D03G0668000	0.48164	1.14726	Down	Up
10884	TraesCS2D03G0668200	0.59263	1.57212	No	No
10887	TraesCS2D03G0668600	1.05333	3.04583	Up	Up
10888	TraesCS2D03G0668700	0.81156	0.51605	Down	Down
10889	TraesCS2D03G0668900	0.68614	0.86701	Down	Down
10890	TraesCS2D03G0669200	1.16429	0.45659	Up	Down
10893	TraesCS2D03G0670500	0.83946	0.82935	Down	Down
10894	TraesCS2D03G0671100	1.26699	0.58023	No	No
10895	TraesCS2D03G0671200	2.51884	0.67024	Up	Down
10896	TraesCS2D03G0671200	0.6651	0.59424	Down	Down
10897	TraesCS2D03G0671700	1.03844	1.34306	UP	UP
10898	TraesCS2D03G0671700	0.96559	0.62692	Down	Down
10899	TraesCS2D03G0672100	1.10735	1.41961	UP	UP
10900	TraesCS2D03G0672200	1.24327	1.09398	UP	UP
10902	TraesCS2D03G0673100	0.94977	1.49	No	No
10903	TraesCS2D03G0674100	1.26686	1.59037	UP	UP
10904	TraesCS2D03G0674300	1.07952	1.41125	UP	UP
10905	TraesCS2D03G0674500	0.99812	0.62531	Down	Down
10906	TraesCS2D03G0674700	0.92629	1.42596	No	No
10907	TraesCS2D03G0674800	1.1398	0.45791	Up	Down
10908	TraesCS2D03G0674900	0.73445	0.8604	Down	Down
10909	TraesCS2D03G0675900	0.71801	1.11759	No	No
10910	TraesCS2D03G0676300	1.20599	0.91227	No	No
10911	TraesCS2D03G0676400	0.65028	1.36946	No	No
10912	TraesCS2D03G0677500	1.99796	0.77414	No	No
10913	TraesCS2D03G0678000	0.66943	0.64294	Down	Down
10914	TraesCS2D03G0678000	1.87951	0.20583	Up	Down
10915	TraesCS2D03G0678500	1.34479	0.67157	No	No
10916	TraesCS2D03G0679100	0.84516	1.55226	No	No
10917	TraesCS2D03G0679300	0.84467	1.59416	No	No
10918	TraesCS2D03G0680100	1.23058	1.27071	UP	UP
10919	TraesCS2D03G0680500	0.87494	1.11157	No	No
10920	TraesCS2D03G0680600	1.03812	1.18276	UP	UP
10921	TraesCS2D03G0680900	0.73608	1.71856	No	No
10922	TraesCS2D03G0681000	1.05209	1.04777	UP	UP
10923	TraesCS2D03G0681400	0.9221	0.25996	Down	Down
10924	TraesCS2D03G0682500	1.29317	1.69065	UP	UP
10925	TraesCS2D03G0683400	0.94888	0.6106	Down	Down
10926	TraesCS2D03G0683600	0.97527	0.73066	Down	Down
10927	TraesCS2D03G0683800	0.75064	0.53878	Down	Down
10928	TraesCS2D03G0685600	0.85876	2.11179	Down	Up
10929	TraesCS2D03G0685700	0.9756	2.30444	Down	Up
10930	TraesCS2D03G0686600	0.76054	3.94764	Down	Up
10931	TraesCS2D03G0687000	1.20869	0.44579	Up	Down
10932	TraesCS2D03G0687700	0.89418	1.96933	No	No
10933	TraesCS2D03G0688500	1.02527	1.78354	UP	UP
10934	TraesCS2D03G0688500	0.97247	1.59946	No	No

10935	TraesCS2D03G0688600	0.97227	1.37062	No	No
10936	TraesCS2D03G0688700	1.0293	0.23724	Up	Down
10937	TraesCS2D03G0689600	1.28582	1.45217	UP	UP
10938	TraesCS2D03G0689700	0.81395	0.8668	Down	Down
10939	TraesCS2D03G0689800	0.84624	1.39975	No	No
10940	TraesCS2D03G0690700	1.35914	1.05917	UP	UP
10941	TraesCS2D03G0691100	0.79597	0.56704	Down	Down
10943	TraesCS2D03G0691400	1.1559	0.87654	No	No
10946	TraesCS2D03G0692700	1.13006	0.37694	Up	Down
10947	TraesCS2D03G0693000	0.72115	2.35381	Down	Up
10948	TraesCS2D03G0693200	1.39019	0.024	Up	Down
10949	TraesCS2D03G0693300	1.40832	0.14716	Up	Down
10950	TraesCS2D03G0694400	0.9757	1.07789	No	No
10951	TraesCS2D03G0695100	0.98404	1.26278	No	No
10952	TraesCS2D03G0695300	1.67626	0.17513	Up	Down
10953	TraesCS2D03G0695700	0.60521	1.26576	No	No
10954	TraesCS2D03G0696400	0.6256	1.56457	No	No
10955	TraesCS2D03G0696800	0.84841	5.74594	Down	Up
10957	TraesCS2D03G0697700	1.1461	0.1729	Up	Down
10959	TraesCS2D03G0698800	0.95979	1.76561	No	No
10960	TraesCS2D03G0699300	1.07945	0.59477	No	No
10961	TraesCS2D03G0699400	0.75761	1.28115	No	No
10962	TraesCS2D03G0699500	1.14767	1.07771	UP	UP
10963	TraesCS2D03G0699700	0.98389	1.05026	No	No
10964	TraesCS2D03G0700000	1.37935	1.2099	UP	UP
10965	TraesCS2D03G0701800	0.88146	0.98376	Down	Down
10966	TraesCS2D03G0702300	1.49463	1.65576	UP	UP
10967	TraesCS2D03G0703200	1.03176	3.49544	Up	Up
10968	TraesCS2D03G0703300	1.17801	1.11474	UP	UP
10969	TraesCS2D03G0703800	1.28937	0.3271	Up	Down
10970	TraesCS2D03G0705300	0.88001	3.46384	Down	Up
10971	TraesCS2D03G0705300	0.95847	1.88487	No	No
10972	TraesCS2D03G0705400	1.01915	0.81866	No	No
10973	TraesCS2D03G0705700	0.96384	2.78889	Down	Up
10974	TraesCS2D03G0705800	3.52235	1.52	Up	Up
10975	TraesCS2D03G0705900	0.7786	1.09427	No	No
10976	TraesCS2D03G0706200	0.74912	0.52521	Down	Down
10977	TraesCS2D03G0706900	1.18625	1.12563	UP	UP
10978	TraesCS2D03G0707400	0.99249	1.151	No	No
10979	TraesCS2D03G0707700	0.74712	1.00699	No	No
10980	TraesCS2D03G0707800	0.96666	1.16976	No	No
10982	TraesCS2D03G0708500	1.24213	3.27799	Up	Up
10983	TraesCS2D03G0708500	0.907	0.86291	Down	Down
10984	TraesCS2D03G0709100	1.00717	1.71514	UP	UP
10985	TraesCS2D03G0709600	0.98403	0.99728	Down	Down
10986	TraesCS2D03G0709700	0.7921	1.26471	No	No
10987	TraesCS2D03G0710000	0.84398	2.58841	Down	Up
10988	TraesCS2D03G0710100	1.05549	0.52981	No	No
10989	TraesCS2D03G0710200	0.66578	0.27663	Down	Down
10990	TraesCS2D03G0710500	0.95591	0.51316	Down	Down
10991	TraesCS2D03G0711000	0.3132	1.77556	Down	Up
10992	TraesCS2D03G0712000	1.08015	1.45095	UP	UP

10994	TraesCS2D03G0712300	0.81677	1.04811	No	No
10995	TraesCS2D03G0712700	0.85774	1.12711	No	No
10998	TraesCS2D03G0714700	0.90001	0.47589	Down	Down
10999	TraesCS2D03G0714900	0.84879	1.27051	No	No
11000	TraesCS2D03G0715700	0.82755	1.99378	No	No
11001	TraesCS2D03G0716200	1.08665	0.69449	No	No
11003	TraesCS2D03G0716400	1.04512	0.09641	Up	Down
11004	TraesCS2D03G0717500	0.94352	0.50181	Down	Down
11005	TraesCS2D03G0717900	1.49464	1.86982	UP	UP
11006	TraesCS2D03G0718000	0.73788	2.0422	Down	Up
11007	TraesCS2D03G0718200	1.059	0.94341	No	No
11008	TraesCS2D03G0718300	0.94676	0.48167	Down	Down
11009	TraesCS2D03G0718600	0.8321	2.13886	Down	Up
11010	TraesCS2D03G0718700	0.82637	0.80202	Down	Down
11011	TraesCS2D03G0719100	1.07934	1.17828	UP	UP
11012	TraesCS2D03G0719200	0.84931	4.32265	Down	Up
11013	TraesCS2D03G0719600	0.74387	1.37943	No	No
11014	TraesCS2D03G0719700	1.14214	0.46228	Up	Down
11015	TraesCS2D03G0720400	1.08668	2.42852	Up	Up
11017	TraesCS2D03G0721200	4.11474	0.34835	Up	Down
11018	TraesCS2D03G0722200	1.69539	1.4822	UP	UP
11019	TraesCS2D03G0722500	1.05619	0.60986	No	No
11020	TraesCS2D03G0722600	1.05315	0.9004	No	No
11021	TraesCS2D03G0723000	1.56426	0.93888	No	No
11022	TraesCS2D03G0723400	1.11252	0.54788	No	No
11023	TraesCS2D03G0723500	0.97365	1.09497	No	No
11024	TraesCS2D03G0723900	0.65785	4.4617	Down	Up
11025	TraesCS2D03G0724200	0.51145	1.48597	No	No
11026	TraesCS2D03G0724200	1.84319	0.56166	No	No
11027	TraesCS2D03G0724400	0.53609	3.70303	Down	Up
11028	TraesCS2D03G0724700	0.77598	0.9824	Down	Down
11029	TraesCS2D03G0725000	0.97198	1.12812	No	No
11030	TraesCS2D03G0725200	0.69997	2.62609	Down	Up
11031	TraesCS2D03G0725300	1.1572	0.6694	No	No
11032	TraesCS2D03G0726800	1.0194	0.71375	No	No
11034	TraesCS2D03G0727000	1.27447	6.17617	Up	Up
11035	TraesCS2D03G0727300	1.44913	1.18336	UP	UP
11038	TraesCS2D03G0729000	1.44776	0.33765	Up	Down
11040	TraesCS2D03G0732500	1.32299	1.06396	UP	UP
11042	TraesCS2D03G0734700	2.14758	0.83847	Up	Down
11043	TraesCS2D03G0735100	0.77603	0.44403	Down	Down
11044	TraesCS2D03G0735300	0.61397	1.90439	No	No
11045	TraesCS2D03G0735800	0.88644	0.61441	Down	Down
11046	TraesCS2D03G0737200	0.80934	1.6794	No	No
11050	TraesCS2D03G0738900	0.69329	0.17268	Down	Down
11051	TraesCS2D03G0739100	0.91657	2.60103	Down	Up
11057	TraesCS2D03G0740600	0.84505	2.24396	Down	Up
11058	TraesCS2D03G0741000	0.79888	4.66216	Down	Up
11059	TraesCS2D03G0741300	0.96517	0.80833	Down	Down
11060	TraesCS2D03G0741900	0.71166	2.83878	Down	Up
11061	TraesCS2D03G0742400	1.25778	6.39953	Up	Up
11062	TraesCS2D03G0742900	1.00231	0.1847	Up	Down

11063	TraesCS2D03G0743200	0.68177	0.2581	Down	Down
11064	TraesCS2D03G0743300	1.49868	0.17185	Up	Down
11065	TraesCS2D03G0743800	1.01889	0.57666	No	No
11066	TraesCS2D03G0744700	1.90285	1.28832	UP	UP
11067	TraesCS2D03G0745000	0.63336	2.55383	Down	Up
11068	TraesCS2D03G0745100	0.79888	1.89043	No	No
11069	TraesCS2D03G0745300	0.83022	0.60758	Down	Down
11070	TraesCS2D03G0745600	0.60074	2.17511	Down	Up
11071	TraesCS2D03G0746400	0.35955	2.6379	Down	Up
11072	TraesCS2D03G0747300	1.01075	0.67276	No	No
11073	TraesCS2D03G0748800	0.822	0.46756	Down	Down
11074	TraesCS2D03G0749000	0.63826	1.69333	No	No
11075	TraesCS2D03G0749100	0.95089	1.72909	No	No
11076	TraesCS2D03G0749200	0.62588	0.89202	Down	Down
11077	TraesCS2D03G0750000	0.87447	0.38068	Down	Down
11078	TraesCS2D03G0750200	0.73166	0.97729	Down	Down
11079	TraesCS2D03G0750300	0.74549	11.0036	Down	Up
11080	TraesCS2D03G0750700	1.54867	1.94709	UP	UP
11081	TraesCS2D03G0750900	0.89872	0.67144	Down	Down
11082	TraesCS2D03G0751100	1.10232	1.81426	UP	UP
11083	TraesCS2D03G0751400	0.81655	1.23643	No	No
11085	TraesCS2D03G0752000	0.77919	1.0849	No	No
11086	TraesCS2D03G0752600	0.70703	0.66184	Down	Down
11087	TraesCS2D03G0753200	1.01011	0.52852	No	No
11089	TraesCS2D03G0753700	0.76634	0.42904	Down	Down
11090	TraesCS2D03G0754500	1.41972	2.37888	Up	Up
11091	TraesCS2D03G0755100	0.98356	0.69467	Down	Down
11092	TraesCS2D03G0755300	0.89567	0.93115	Down	Down
11093	TraesCS2D03G0756500	1.07646	0.54951	No	No
11094	TraesCS2D03G0756700	0.80811	1.02653	No	No
11095	TraesCS2D03G0756900	0.55994	3.78501	Down	Up
11096	TraesCS2D03G0757000	0.36375	7.37191	Down	Up
11097	TraesCS2D03G0757600	0.66966	14.7432	Down	Up
11098	TraesCS2D03G0759800	0.92543	0.81302	Down	Down
11099	TraesCS2D03G0760000	0.76325	1.12436	No	No
11100	TraesCS2D03G0760100	0.74256	1.43887	No	No
11101	TraesCS2D03G0761000	0.98146	1.2747	No	No
11102	TraesCS2D03G0761400	1.10115	1.18943	UP	UP
11103	TraesCS2D03G0761600	1.22955	0.30365	Up	Down
11104	TraesCS2D03G0763000	1.01598	1.22692	UP	UP
11105	TraesCS2D03G0763200	0.78044	0.87773	Down	Down
11106	TraesCS2D03G0766700	0.94651	1.44196	No	No
11107	TraesCS2D03G0768200	1.18568	0.77744	No	No
11108	TraesCS2D03G0768300	0.89662	1.92734	No	No
11110	TraesCS2D03G0769900	0.8582	1.68565	No	No
11111	TraesCS2D03G0770300	0.50605	0.38248	Down	Down
11112	TraesCS2D03G0770300	0.36839	1.39334	Down	Up
11113	TraesCS2D03G0772100	0.61816	0.92233	Down	Down
11114	TraesCS2D03G0772600	17.1389	0.26541	Up	Down
11115	TraesCS2D03G0772900	0.56279	1.6075	No	No
11116	TraesCS2D03G0773300	0.65446	1.2521	No	No
11117	TraesCS2D03G0773500	0.99445	1.24514	No	No

11120	TraesCS2D03G0774500	1.13365	1.62246	UP	UP
11121	TraesCS2D03G0775400	1.27867	1.18296	UP	UP
11122	TraesCS2D03G0776000	1.27742	1.54706	UP	UP
11123	TraesCS2D03G0776400	1.46494	0.51913	No	No
11124	TraesCS2D03G0778300	1.08666	1.2097	UP	UP
11125	TraesCS2D03G0778400	0.86148	1.29694	No	No
11126	TraesCS2D03G0778700	0.92589	0.6327	Down	Down
11127	TraesCS2D03G0779500	1.15159	1.49084	UP	UP
11128	TraesCS2D03G0779900	0.80122	1.21227	No	No
11129	TraesCS2D03G0780800	8.43119	0.3357	Up	Down
11130	TraesCS2D03G0780900	1.28766	1.34685	UP	UP
11131	TraesCS2D03G0781000	1.11545	0.71519	No	No
11133	TraesCS2D03G0782400	0.55497	1.63262	No	No
11134	TraesCS2D03G0782500	0.80562	1.33975	No	No
11135	TraesCS2D03G0782600	1.08374	1.04233	UP	UP
11136	TraesCS2D03G0783700	0.88375	0.82183	Down	Down
11137	TraesCS2D03G0783800	1.11627	0.95388	No	No
11138	TraesCS2D03G0784300	0.84594	1.03167	No	No
11139	TraesCS2D03G0785100	0.88489	1.04632	No	No
11141	TraesCS2D03G0785600	0.86313	1.08528	No	No
11142	TraesCS2D03G0785800	1.19245	0.58052	No	No
11143	TraesCS2D03G0786100	0.71752	0.24384	Down	Down
11147	TraesCS2D03G0788400	0.86497	1.03516	No	No
11148	TraesCS2D03G0789000	0.89602	2.48825	Down	Up
11149	TraesCS2D03G0789400	0.70468	9.13411	Down	Up
11151	TraesCS2D03G0789600	0.94278	2.38112	Down	Up
11152	TraesCS2D03G0789700	0.89388	1.15805	No	No
11153	TraesCS2D03G0789800	0.8409	1.27148	No	No
11154	TraesCS2D03G0789900	0.72252	1.23902	No	No
11155	TraesCS2D03G0790100	0.97344	0.94046	Down	Down
11157	TraesCS2D03G0790300	1.0054	0.94412	No	No
11158	TraesCS2D03G0790400	1.17472	0.82193	No	No
11159	TraesCS2D03G0791000	1.24192	0.76061	No	No
11161	TraesCS2D03G0792300	1.40503	0.93354	No	No
11162	TraesCS2D03G0793400	0.88764	1.20673	No	No
11163	TraesCS2D03G0794500	0.77352	2.51949	Down	Up
11164	TraesCS2D03G0794600	0.86018	1.78061	No	No
11165	TraesCS2D03G0794800	0.90668	0.37629	Down	Down
11166	TraesCS2D03G0795200	0.83619	0.84305	Down	Down
11167	TraesCS2D03G0795300	1.92007	9.58455	Up	Up
11168	TraesCS2D03G0795400	1.1111	0.18227	Up	Down
11170	TraesCS2D03G0796000	1.10353	1.33921	UP	UP
11171	TraesCS2D03G0796200	0.82223	2.07975	Down	Up
11172	TraesCS2D03G0796600	1.16785	1.69598	UP	UP
11173	TraesCS2D03G0796700	1.02103	1.35784	UP	UP
11174	TraesCS2D03G0796900	0.95976	4.44568	Down	Up
11175	TraesCS2D03G0796900	1.33684	0.34279	Up	Down
11176	TraesCS2D03G0798400	0.29857	14.1474	Down	Up
11177	TraesCS2D03G0798500	0.65602	5.94235	Down	Up
11178	TraesCS2D03G0798600	0.69014	4.66832	Down	Up
11179	TraesCS2D03G0798900	0.60878	2.10231	Down	Up
11180	TraesCS2D03G0799000	0.42328	11.0419	Down	Up

11181	TraesCS2D03G0799200	0.68514	0.48716	Down	Down
11182	TraesCS2D03G0800600	0.67852	1.3892	No	No
11183	TraesCS2D03G0801000	1.13652	0.69977	No	No
11185	TraesCS2D03G0801600	1.15575	0.63298	No	No
11186	TraesCS2D03G0802400	0.71187	3.52054	Down	Up
11187	TraesCS2D03G0803300	1.09361	1.29573	UP	UP
11188	TraesCS2D03G0803400	1.33356	1.29768	UP	UP
11189	TraesCS2D03G0804200	0.56729	2.11484	Down	Up
11190	TraesCS2D03G0804600	0.98047	0.97136	Down	Down
11191	TraesCS2D03G0804700	0.88237	2.76196	Down	Up
11192	TraesCS2D03G0804800	0.65848	0.97683	Down	Down
11193	TraesCS2D03G0805200	1.14297	1.04591	UP	UP
11194	TraesCS2D03G0805600	0.75183	0.66109	Down	Down
11196	TraesCS2D03G0807200	0.57296	1.36039	No	No
11197	TraesCS2D03G0807200	1.20279	0.60936	No	No
11198	TraesCS2D03G0807400	1.38143	1.25076	UP	UP
11199	TraesCS2D03G0807600	1.45222	0.69055	No	No
11201	TraesCS2D03G0809000	0.86288	1.04384	No	No
11203	TraesCS2D03G0812700	0.70762	2.21053	Down	Up
11205	TraesCS2D03G0813300	0.85933	0.75662	Down	Down
11206	TraesCS2D03G0813800	0.71949	1.23924	No	No
11207	TraesCS2D03G0813900	0.77431	0.53565	Down	Down
11208	TraesCS2D03G0814500	0.6529	2.9463	Down	Up
11209	TraesCS2D03G0814600	0.99395	0.97976	Down	Down
11210	TraesCS2D03G0814700	1.10173	1.33171	UP	UP
11211	TraesCS2D03G0814800	0.90266	0.83572	Down	Down
11213	TraesCS2D03G0816200	0.84071	2.60162	Down	Up
11214	TraesCS2D03G0816400	1.75959	1.56679	UP	UP
11215	TraesCS2D03G0816900	1.40304	0.5058	No	No
11216	TraesCS2D03G0817100	1.85839	0.48461	Up	Down
11217	TraesCS2D03G0817300	0.88055	1.3212	No	No
11218	TraesCS2D03G0817700	1.70228	1.23578	UP	UP
11219	TraesCS2D03G0817800	0.79438	8.2551	Down	Up
11220	TraesCS2D03G0818000	0.91145	1.59927	No	No
11221	TraesCS2D03G0818100	1.05198	0.28309	Up	Down
11222	TraesCS2D03G0819800	1.07866	0.90864	No	No
11223	TraesCS2D03G0820100	1.19173	0.52542	No	No
11224	TraesCS2D03G0820300	1.01667	1.42161	UP	UP
11225	TraesCS2D03G0820400	1.27137	1.21663	UP	UP
11227	TraesCS2D03G0821400	1.04341	1.5298	UP	UP
11228	TraesCS2D03G0821700	0.99638	0.76997	Down	Down
11230	TraesCS2D03G0822600	0.75302	1.42627	No	No
11231	TraesCS2D03G0824100	1.1226	0.31048	Up	Down
11233	TraesCS2D03G0824400	1.04115	0.80158	No	No
11234	TraesCS2D03G0825200	0.8794	2.45008	Down	Up
11235	TraesCS2D03G0825300	0.79761	1.42733	No	No
11236	TraesCS2D03G0826600	0.93707	2.03037	Down	Up
11238	TraesCS2D03G0828100	1.1396	0.97249	No	No
11240	TraesCS2D03G0828400	1.16437	1.01669	UP	UP
11245	TraesCS2D03G0830600	1.3186	1.62129	UP	UP
11246	TraesCS2D03G0832200	2.05809	1.50281	Up	Up
11247	TraesCS2D03G0832800	0.76659	1.16237	No	No

11248	TraesCS2D03G0832800	1.52594	1.33662	UP	UP
11249	TraesCS2D03G0832900	0.94694	0.79019	Down	Down
11250	TraesCS2D03G0833700	1.17212	0.70763	No	No
11251	TraesCS2D03G0833800	0.65838	1.54768	No	No
11252	TraesCS2D03G0833900	1.2212	1.74871	UP	UP
11253	TraesCS2D03G0834100	0.60947	0.81361	Down	Down
11254	TraesCS2D03G0835700	1.05794	0.63377	No	No
11255	TraesCS2D03G0835900	0.68595	1.35348	No	No
11256	TraesCS2D03G0837400	1.08841	0.50604	No	No
11257	TraesCS2D03G0837600	1.17017	1.19964	UP	UP
11258	TraesCS2D03G0837700	0.90198	0.83949	Down	Down
11259	TraesCS2D03G0837700	1.52977	1.19075	UP	UP
11260	TraesCS2D03G0837800	0.91802	1.68973	No	No
11262	TraesCS2D03G0838700	0.76163	1.14348	No	No
11263	TraesCS2D03G0839400	1.3376	0.40525	Up	Down
11266	TraesCS2D03G0840300	0.96242	0.95994	Down	Down
11267	TraesCS2D03G0842800	1.11363	1.42099	UP	UP
11268	TraesCS2D03G0843500	0.96774	1.77446	No	No
11269	TraesCS2D03G0843500	1.28088	1.04344	UP	UP
11271	TraesCS2D03G0844200	0.61029	2.62655	Down	Up
11272	TraesCS2D03G0844400	1.17077	0.8268	No	No
11273	TraesCS2D03G0844500	1.9345	0.97138	No	No
11274	TraesCS2D03G0844600	1.27283	0.603	No	No
11275	TraesCS2D03G0844800	1.03983	0.44315	Up	Down
11276	TraesCS2D03G0845100	1.02488	0.64312	No	No
11277	TraesCS2D03G0845200	1.05659	1.39026	UP	UP
11278	TraesCS2D03G0845300	1.30041	1.01165	UP	UP
11280	TraesCS2D03G0846000	1.26286	0.66847	No	No
11281	TraesCS2D03G0846400	0.94091	1.39708	No	No
11283	TraesCS2D03G0847500	0.77649	1.00111	No	No
11284	TraesCS2D03G0848700	0.93159	0.66431	Down	Down
11285	TraesCS2D03G0849300	1.46084	1.48855	UP	UP
11286	TraesCS2D03G0849500	0.80272	0.87592	Down	Down
11287	TraesCS2D03G0849600	1.02377	3.10074	Up	Up
11288	TraesCS2D03G0849700	0.95171	0.91434	Down	Down
11289	TraesCS2D03G0851100	2.41013	0.09809	Up	Down
11290	TraesCS2D03G0851200	1.03991	1.27012	UP	UP
11291	TraesCS2D03G0851600	1.13691	0.62178	No	No
11295	TraesCS2D03G0853400	0.80979	0.73694	Down	Down
11296	TraesCS2D03G0854700	1.37468	1.10409	UP	UP
11297	TraesCS2D03G0855500	1.40116	1.78361	UP	UP
11298	TraesCS2D03G0856200	1.23982	0.80218	No	No
11299	TraesCS2D03G0856400	1.15712	0.41561	Up	Down
11300	TraesCS2D03G0857400	0.81348	0.88729	Down	Down
11301	TraesCS2D03G0858100	1.00668	0.28911	Up	Down
11302	TraesCS2D03G0858500	1.70585	0.98737	No	No
11303	TraesCS2D03G0858600	1.1333	1.44918	UP	UP
11304	TraesCS2D03G0859600	0.59248	1.42708	No	No
11305	TraesCS2D03G0859800	1.20761	0.58436	No	No
11306	TraesCS2D03G0859900	1.5797	1.17682	UP	UP
11307	TraesCS2D03G0860000	1.59933	0.27449	Up	Down
11308	TraesCS2D03G0860200	2.25849	0.2007	Up	Down

11309	TraesCS2D03G0860500	0.7835	0.89145	Down	Down
11310	TraesCS2D03G0860800	2.30918	0.38729	Up	Down
11311	TraesCS2D03G0861000	1.39552	1.01332	UP	UP
11312	TraesCS2D03G0861200	1.34823	0.98751	No	No
11313	TraesCS2D03G0862200	0.87122	4.83814	Down	Up
11314	TraesCS2D03G0862600	0.53471	5.61569	Down	Up
11315	TraesCS2D03G0864500	1.54406	0.18544	Up	Down
11316	TraesCS2D03G0864600	0.95824	2.04141	Down	Up
11317	TraesCS2D03G0864700	1.02758	1.17371	UP	UP
11318	TraesCS2D03G0864800	1.697	2.04342	UP	UP
11319	TraesCS2D03G0864900	1.04248	1.2356	UP	UP
11321	TraesCS2D03G0865500	0.9618	2.14443	Down	Up
11322	TraesCS2D03G0866400	0.7226	0.85563	Down	Down
11323	TraesCS2D03G0867000	0.3352	6.80283	Down	Up
11324	TraesCS2D03G0867100	0.68859	1.44846	No	No
11325	TraesCS2D03G0868600	1.4047	1.47332	UP	UP
11326	TraesCS2D03G0868900	1.13562	1.70277	UP	UP
11327	TraesCS2D03G0869000	0.75229	0.13886	Down	Down
11328	TraesCS2D03G0869100	1.84137	0.04944	Up	Down
11329	TraesCS2D03G0869600	1.4089	0.91263	No	No
11331	TraesCS2D03G0869900	1.21795	0.2938	Up	Down
11332	TraesCS2D03G0870100	1.18957	0.69667	No	No
11333	TraesCS2D03G0870300	1.05563	1.29986	UP	UP
11334	TraesCS2D03G0871100	1.39565	1.05004	UP	UP
11336	TraesCS2D03G0872400	0.8073	3.29814	Down	Up
11337	TraesCS2D03G0872500	0.85786	1.00736	No	No
11338	TraesCS2D03G0873300	1.65803	1.12933	UP	UP
11340	TraesCS2D03G0874600	1.0046	1.6992	UP	UP
11341	TraesCS2D03G0875000	0.97222	0.42316	Down	Down
11342	TraesCS2D03G0876800	1.14797	0.79143	No	No
11343	TraesCS2D03G0877800	0.99586	0.40889	Down	Down
11344	TraesCS2D03G0878300	1.11404	0.72682	No	No
11345	TraesCS2D03G0879200	1.20519	1.27692	UP	UP
11346	TraesCS2D03G0879600	1.20294	1.23738	UP	UP
11347	TraesCS2D03G0879800	0.89666	1.96338	No	No
11348	TraesCS2D03G0880000	2.19043	0.55372	Up	Down
11349	TraesCS2D03G0880000	2.20611	1.58686	Up	Up
11350	TraesCS2D03G0880400	0.78169	0.51272	Down	Down
11351	TraesCS2D03G0880600	0.91144	0.73141	Down	Down
11353	TraesCS2D03G0881600	0.9007	1.31599	No	No
11354	TraesCS2D03G0882100	0.54058	0.93068	Down	Down
11355	TraesCS2D03G0882300	1.59169	2.11107	Up	Up
11356	TraesCS2D03G0882600	0.98383	1.46613	No	No
11357	TraesCS2D03G0882900	0.77903	1.71453	No	No
11359	TraesCS2D03G0883100	0.8288	2.01672	Down	Up
11360	TraesCS2D03G0883600	1.01433	1.46836	UP	UP
11361	TraesCS2D03G0884200	0.84443	1.04836	No	No
11362	TraesCS2D03G0884500	0.83922	1.13129	No	No
11363	TraesCS2D03G0884600	0.55747	3.18521	Down	Up
11364	TraesCS2D03G0885000	1.3359	2.84229	Up	Up
11365	TraesCS2D03G0885500	1.21233	1.38725	UP	UP
11366	TraesCS2D03G0886100	1.22132	1.70769	UP	UP

11367	TraesCS2D03G0886500	1.56753	0.60223	No	No
11368	TraesCS2D03G0886700	0.80182	0.44219	Down	Down
11369	TraesCS2D03G0887100	1.12523	1.15312	UP	UP
11370	TraesCS2D03G0887500	1.0271	0.7161	No	No
11371	TraesCS2D03G0887600	1.05409	0.75261	No	No
11372	TraesCS2D03G0888200	0.77878	1.06353	No	No
11373	TraesCS2D03G0888300	1.17557	1.13692	UP	UP
11374	TraesCS2D03G0889900	1.1214	1.16722	UP	UP
11378	TraesCS2D03G0893500	0.11139	4.30373	Down	Up
11379	TraesCS2D03G0894100	1.1961	1.27342	UP	UP
11380	TraesCS2D03G0894300	0.59873	1.09096	No	No
11382	TraesCS2D03G0895500	1.243	0.67191	No	No
11383	TraesCS2D03G0895600	1.11885	0.84984	No	No
11384	TraesCS2D03G0896000	1.38408	0.14342	Up	Down
11387	TraesCS2D03G0897000	1.03257	0.26639	Up	Down
11388	TraesCS2D03G0897400	1.83094	4.08872	Up	Up
11389	TraesCS2D03G0898200	1.1888	0.78703	No	No
11390	TraesCS2D03G0898300	1.45969	8.89791	Up	Up
11391	TraesCS2D03G0898600	1.24466	2.20787	Up	Up
11392	TraesCS2D03G0899000	0.8733	0.45162	Down	Down
11393	TraesCS2D03G0899300	1.19931	0.97622	No	No
11394	TraesCS2D03G0899700	1.28361	0.72648	No	No
11395	TraesCS2D03G0899800	1.06255	0.22476	Up	Down
11396	TraesCS2D03G0900400	0.99621	0.54194	Down	Down
11397	TraesCS2D03G0900500	1.09367	1.11127	UP	UP
11398	TraesCS2D03G0901400	1.69149	1.20708	UP	UP
11399	TraesCS2D03G0902100	0.86277	2.39785	Down	Up
11400	TraesCS2D03G0902700	0.97242	2.23017	Down	Up
11401	TraesCS2D03G0902900	0.69782	0.85605	Down	Down
11402	TraesCS2D03G0903800	0.56016	1.30795	No	No
11403	TraesCS2D03G0904000	2.60849	0.24538	Up	Down
11404	TraesCS2D03G0904200	1.15503	1.06643	UP	UP
11405	TraesCS2D03G0905400	0.45828	6.72385	Down	Up
11407	TraesCS2D03G0905700	0.84941	2.44455	Down	Up
11408	TraesCS2D03G0905800	1.30625	2.97852	Up	Up
11409	TraesCS2D03G0906600	0.87752	0.66267	Down	Down
11411	TraesCS2D03G0907500	1.18015	1.29216	UP	UP
11412	TraesCS2D03G0907700	1.08437	0.98738	No	No
11413	TraesCS2D03G0908800	1.36256	1.50221	UP	UP
11414	TraesCS2D03G0909100	0.92871	1.2963	No	No
11415	TraesCS2D03G0909500	1.11699	0.97406	No	No
11416	TraesCS2D03G0910400	0.80458	1.2158	No	No
11417	TraesCS2D03G0910600	0.65783	0.75884	Down	Down
11418	TraesCS2D03G0911000	0.62783	0.66753	Down	Down
11419	TraesCS2D03G0911300	0.74319	1.49825	No	No
11420	TraesCS2D03G0912400	1.00958	0.82165	No	No
11421	TraesCS2D03G0914800	1.33702	1.53535	UP	UP
11422	TraesCS2D03G0915900	0.94194	0.75495	Down	Down
11423	TraesCS2D03G0916400	0.63523	1.31977	No	No
11424	TraesCS2D03G0916800	0.8644	0.77338	Down	Down
11425	TraesCS2D03G0917300	0.96928	1.51922	No	No
11426	TraesCS2D03G0917400	2.54096	0.16179	Up	Down

11427	TraesCS2D03G0918200	0.99901	0.85729	Down	Down
11428	TraesCS2D03G0918700	1.98841	2.93534	Up	Up
11430	TraesCS2D03G0919400	0.80065	3.83656	Down	Up
11431	TraesCS2D03G0919600	0.89838	1.52372	No	No
11432	TraesCS2D03G0919800	1.48706	0.50399	No	No
11433	TraesCS2D03G0919900	0.6282	0.28608	Down	Down
11434	TraesCS2D03G0920800	1.20298	1.61558	UP	UP
11435	TraesCS2D03G0922100	1.21517	0.42161	Up	Down
11436	TraesCS2D03G0922300	2.67394	1.47605	Up	Up
11437	TraesCS2D03G0922400	2.10018	1.05236	Up	Up
11438	TraesCS2D03G0922800	0.47734	0.98151	Down	Down
11439	TraesCS2D03G0923200	1.2471	0.80772	No	No
11440	TraesCS2D03G0923800	0.50415	2.13773	Down	Up
11441	TraesCS2D03G0923900	0.92444	0.42441	Down	Down
11442	TraesCS2D03G0924400	0.75201	0.84246	Down	Down
11443	TraesCS2D03G0925100	1.66151	0.35074	Up	Down
11445	TraesCS2D03G0926500	1.01439	2.82054	Up	Up
11446	TraesCS2D03G0927000	1.7025	0.49735	Up	Down
11447	TraesCS2D03G0927900	0.95106	0.76128	Down	Down
11448	TraesCS2D03G0928100	0.81153	0.82138	Down	Down
11449	TraesCS2D03G0928200	0.81628	1.27454	No	No
11450	TraesCS2D03G0929300	1.19069	0.29985	Up	Down
11451	TraesCS2D03G0930500	1.0965	1.16449	UP	UP
11452	TraesCS2D03G0930700	0.79378	1.43811	No	No
11454	TraesCS2D03G0931800	1.57626	0.71664	No	No
11455	TraesCS2D03G0931800	0.97142	1.09302	No	No
11456	TraesCS2D03G0932900	0.72521	0.92713	Down	Down
11457	TraesCS2D03G0933200	0.96662	0.67018	Down	Down
11458	TraesCS2D03G0933800	1.29287	0.42418	Up	Down
11459	TraesCS2D03G0935500	2.24292	0.84985	Up	Down
11460	TraesCS2D03G0936000	1.24308	1.82779	UP	UP
11461	TraesCS2D03G0937000	0.90321	1.77547	No	No
11462	TraesCS2D03G0937300	0.98474	4.11456	Down	Up
11463	TraesCS2D03G0937800	1.00341	1.73147	UP	UP
11464	TraesCS2D03G0938200	1.40806	3.44504	Up	Up
11466	TraesCS2D03G0938900	0.98184	1.38968	No	No
11467	TraesCS2D03G0940000	0.40666	3.89879	Down	Up
11468	TraesCS2D03G0940300	1.11235	0.66037	No	No
11469	TraesCS2D03G0940300	0.73965	0.449	Down	Down
11470	TraesCS2D03G0940500	0.6075	0.7267	Down	Down
11471	TraesCS2D03G0940700	1.05631	0.34024	Up	Down
11472	TraesCS2D03G0941700	1.1354	0.85437	No	No
11473	TraesCS2D03G0942400	1.1702	0.88504	No	No
11474	TraesCS2D03G0943200	0.98482	0.87671	Down	Down
11475	TraesCS2D03G0944200	1.17467	0.888	No	No
11476	TraesCS2D03G0950800	1.17041	1.2796	UP	UP
11477	TraesCS2D03G0950900	0.73515	2.82533	Down	Up
11478	TraesCS2D03G0951000	0.65633	1.29041	No	No
11479	TraesCS2D03G0951100	0.9434	1.20944	No	No
11480	TraesCS2D03G0951300	1.05402	0.47543	Up	Down
11481	TraesCS2D03G0953000	0.64947	0.84227	Down	Down
11482	TraesCS2D03G0953500	0.88395	2.65572	Down	Up

11483	TraesCS2D03G0953600	0.1204	1.30098	Down	Up
11484	TraesCS2D03G0954400	0.92414	1.11917	No	No
11485	TraesCS2D03G0956200	0.54745	6.54253	Down	Up
11486	TraesCS2D03G0956400	0.70892	1.16952	No	No
11487	TraesCS2D03G0956500	1.18345	0.71907	No	No
11488	TraesCS2D03G0957700	0.93039	0.49302	Down	Down
11489	TraesCS2D03G0958900	0.72117	0.8166	Down	Down
11490	TraesCS2D03G0960100	0.97549	0.65695	Down	Down
11491	TraesCS2D03G0960200	0.8704	9.04132	Down	Up
11493	TraesCS2D03G0961000	1.09087	1.15307	UP	UP
11495	TraesCS2D03G0961200	0.63456	4.49499	Down	Up
11496	TraesCS2D03G0961400	0.85781	2.78421	Down	Up
11497	TraesCS2D03G0963600	1.3851	0.91706	No	No
11498	TraesCS2D03G0964200	0.82071	8.94514	Down	Up
11500	TraesCS2D03G0966200	0.79537	4.56367	Down	Up
11501	TraesCS2D03G0966300	1.22595	0.88546	No	No
11502	TraesCS2D03G0966400	0.94741	6.46741	Down	Up
11503	TraesCS2D03G0967800	0.93233	0.95277	Down	Down
11504	TraesCS2D03G0968200	1.80867	0.90992	No	No
11507	TraesCS2D03G0968600	1.16756	0.57184	No	No
11509	TraesCS2D03G0970000	0.81502	1.56075	No	No
11510	TraesCS2D03G0970300	1.12686	0.77253	No	No
11511	TraesCS2D03G0970400	2.37485	0.30245	Up	Down
11512	TraesCS2D03G0970500	0.99396	0.65219	Down	Down
11513	TraesCS2D03G0970800	0.8616	2.05306	Down	Up
11515	TraesCS2D03G0974300	1.33738	1.07225	UP	UP
11516	TraesCS2D03G0974600	1.00101	0.31583	Up	Down
11517	TraesCS2D03G0974700	1.27087	1.4024	UP	UP
11518	TraesCS2D03G0974800	1.32743	0.75187	No	No
11519	TraesCS2D03G0974900	1.67696	0.79507	No	No
11520	TraesCS2D03G0975000	0.83996	0.45521	Down	Down
11521	TraesCS2D03G0975100	1.29683	1.12746	UP	UP
11522	TraesCS2D03G0975400	1.71418	1.67101	UP	UP
11523	TraesCS2D03G0976300	0.98833	0.5799	Down	Down
11524	TraesCS2D03G0976400	1.22454	1.47425	UP	UP
11525	TraesCS2D03G0976500	1.05443	0.81123	No	No
11526	TraesCS2D03G0977800	0.68592	0.24537	Down	Down
11527	TraesCS2D03G0977900	1.04267	0.45247	Up	Down
11528	TraesCS2D03G0978000	0.88318	1.23747	No	No
11529	TraesCS2D03G0978300	0.95496	0.9406	Down	Down
11530	TraesCS2D03G0978500	0.58849	3.4069	Down	Up
11531	TraesCS2D03G0979000	1.12794	1.526	UP	UP
11532	TraesCS2D03G0979700	1.02769	0.47868	Up	Down
11533	TraesCS2D03G0979800	0.97469	1.6691	No	No
11534	TraesCS2D03G0980100	1.95112	4.00345	Up	Up
11535	TraesCS2D03G0981200	0.99176	1.63276	No	No
11536	TraesCS2D03G0982400	1.13045	1.49013	UP	UP
11537	TraesCS2D03G0982600	1.06439	0.64337	No	No
11538	TraesCS2D03G0983000	0.92309	1.14561	No	No
11539	TraesCS2D03G0983900	0.99195	1.34382	No	No
11540	TraesCS2D03G0984500	0.98538	1.51326	No	No
11541	TraesCS2D03G0986800	1.26789	1.16437	UP	UP

11542	TraesCS2D03G0987300	0.69805	1.29608	No	No
11543	TraesCS2D03G0987400	1.02096	1.10403	UP	UP
11544	TraesCS2D03G0989000	0.94615	0.58063	Down	Down
11545	TraesCS2D03G0990300	0.71761	0.19816	Down	Down
11546	TraesCS2D03G0990900	0.91494	0.69935	Down	Down
11547	TraesCS2D03G0991600	0.74481	1.75284	No	No
11548	TraesCS2D03G0991800	1.11343	0.99625	No	No
11549	TraesCS2D03G0991900	0.63045	4.80305	Down	Up
11550	TraesCS2D03G0992100	0.65399	1.37361	No	No
11551	TraesCS2D03G0992300	0.75533	0.33756	Down	Down
11552	TraesCS2D03G0993300	1.04328	1.50973	UP	UP
11553	TraesCS2D03G0994200	0.66163	1.2513	No	No
11555	TraesCS2D03G0994800	0.93884	0.9787	Down	Down
11556	TraesCS2D03G0994900	0.81264	0.76237	Down	Down
11557	TraesCS2D03G0995400	1.73931	0.56988	No	No
11559	TraesCS2D03G0998400	0.96626	1.40298	No	No
11560	TraesCS2D03G0998800	0.86171	0.18174	Down	Down
11561	TraesCS2D03G1000600	0.63333	0.72553	Down	Down
11562	TraesCS2D03G1000700	0.98887	2.00065	Down	Up
11563	TraesCS2D03G1001000	1.10513	0.99694	No	No
11564	TraesCS2D03G1002500	0.79354	0.89586	Down	Down
11565	TraesCS2D03G1002600	1.19011	0.59469	No	No
11567	TraesCS2D03G1005400	1.06904	0.55269	No	No
11569	TraesCS2D03G1006500	0.85636	1.42504	No	No
11570	TraesCS2D03G1007300	0.51581	3.83823	Down	Up
11571	TraesCS2D03G1008400	1.24273	1.74961	UP	UP
11572	TraesCS2D03G1008500	0.73401	3.85337	Down	Up
11573	TraesCS2D03G1011100	0.78951	0.54338	Down	Down
11574	TraesCS2D03G1013100	0.62124	0.49056	Down	Down
11575	TraesCS2D03G1013200	0.97754	1.2081	No	No
11576	TraesCS2D03G1013500	1.19645	0.34125	Up	Down
11577	TraesCS2D03G1014600	0.36123	2.31917	Down	Up
11578	TraesCS2D03G1014700	0.43319	1.54383	Down	Up
11579	TraesCS2D03G1015600	0.59892	1.10286	No	No
11580	TraesCS2D03G1015800	0.68317	1.15386	No	No
11581	TraesCS2D03G1016000	0.89118	0.79798	Down	Down
11583	TraesCS2D03G1018200	0.73277	0.95098	Down	Down
11584	TraesCS2D03G1018400	0.46386	0.82086	Down	Down
11585	TraesCS2D03G1018500	1.01009	1.01939	UP	UP
11586	TraesCS2D03G1019000	0.78111	1.72999	No	No
11587	TraesCS2D03G1019100	1.06477	0.89971	No	No
11588	TraesCS2D03G1019300	0.60563	0.66817	Down	Down
11589	TraesCS2D03G1019700	1.25673	0.54553	No	No
11590	TraesCS2D03G1019800	1.06997	2.17977	Up	Up
11591	TraesCS2D03G1019900	0.8344	2.89262	Down	Up
11592	TraesCS2D03G1020100	0.9985	2.18827	Down	Up
11594	TraesCS2D03G1021500	1.36207	0.46065	Up	Down
11595	TraesCS2D03G1022200	0.73614	4.04653	Down	Up
11596	TraesCS2D03G1023000	0.71211	1.52151	No	No
11597	TraesCS2D03G1023500	0.98537	1.19616	No	No
11598	TraesCS2D03G1023600	0.73022	1.24355	No	No
11599	TraesCS2D03G1023700	1.23138	2.00435	Up	Up

11600	TraesCS2D03G1024200	2.86079	2.92727	UP	UP
11601	TraesCS2D03G1024200	1.8314	2.54492	Up	Up
11603	TraesCS2D03G1026200	0.69268	0.22635	Down	Down
11605	TraesCS2D03G1026800	0.79469	1.23579	No	No
11606	TraesCS2D03G1028000	0.74281	4.40674	Down	Up
11607	TraesCS2D03G1028200	1.15297	0.04176	Up	Down
11609	TraesCS2D03G1030300	1.08125	1.28964	UP	UP
11610	TraesCS2D03G1033400	1.03169	1.49131	UP	UP
11611	TraesCS2D03G1034200	0.79221	1.88519	No	No
11612	TraesCS2D03G1034400	0.89479	1.41182	No	No
11613	TraesCS2D03G1035900	1.46641	0.20847	Up	Down
11614	TraesCS2D03G1036600	0.83287	0.901	Down	Down
11618	TraesCS2D03G1037600	0.937	3.19067	Down	Up
11619	TraesCS2D03G1038200	1.17826	0.74861	No	No
11620	TraesCS2D03G1038600	0.97851	1.23125	No	No
11621	TraesCS2D03G1038800	0.89353	1.2503	No	No
11622	TraesCS2D03G1039000	0.99855	0.79825	Down	Down
11623	TraesCS2D03G1041700	1.113	1.13513	UP	UP
11624	TraesCS2D03G1042000	0.54171	1.74515	No	No
11625	TraesCS2D03G1042200	0.56384	5.15125	Down	Up
11626	TraesCS2D03G1042400	1.16381	0.551	No	No
11627	TraesCS2D03G1042800	0.9318	1.22051	No	No
11628	TraesCS2D03G1044600	0.63977	1.44729	No	No
11629	TraesCS2D03G1044700	1.10286	0.36871	Up	Down
11631	TraesCS2D03G1048500	0.56807	2.68329	Down	Up
11632	TraesCS2D03G1049400	0.80567	1.40159	No	No
11633	TraesCS2D03G1054600	1.20116	0.96332	No	No
11634	TraesCS2D03G1056100	0.84781	1.31171	No	No
11635	TraesCS2D03G1061000	0.85797	0.96844	Down	Down
11636	TraesCS2D03G1062000	1.70392	5.01293	Up	Up
11637	TraesCS2D03G1062100	0.88728	0.70369	Down	Down
11638	TraesCS2D03G1064400	0.83333	0.91841	Down	Down
11639	TraesCS2D03G1067000	1.16212	1.36481	UP	UP
11640	TraesCS2D03G1067700	1.01615	1.25561	UP	UP
11641	TraesCS2D03G1070600	1.21344	0.59534	No	No
11642	TraesCS2D03G1070700	1.19342	0.18046	Up	Down
11644	TraesCS2D03G1072300	1.14862	0.91162	No	No
11645	TraesCS2D03G1074800	1.20096	0.86742	No	No
11646	TraesCS2D03G1076300	0.38021	2.05902	Down	Up
11647	TraesCS2D03G1079500	1.29804	0.70447	No	No
11648	TraesCS2D03G1090600	0.90547	0.5997	Down	Down
11649	TraesCS2D03G1091200	0.87027	1.13629	No	No
11650	TraesCS2D03G1092100	1.25568	0.73784	No	No
11651	TraesCS2D03G1092200	0.8419	2.04032	Down	Up
11652	TraesCS2D03G1092400	1.43747	0.38949	Up	Down
11653	TraesCS2D03G1093400	0.20999	1.60147	Down	Up
11654	TraesCS2D03G1093700	0.52405	1.83983	No	No
11655	TraesCS2D03G1093800	0.68924	0.6622	Down	Down
11656	TraesCS2D03G1095300	0.7582	2.29176	Down	Up
11657	TraesCS2D03G1095400	0.74692	1.34915	No	No
11658	TraesCS2D03G1096900	0.69513	2.0097	Down	Up
11659	TraesCS2D03G1097700	0.86337	0.58999	Down	Down

11660	TraesCS2D03G1098500	1.26222	1.1304	UP	UP
11661	TraesCS2D03G1099200	1.7504	0.68253	No	No
11662	TraesCS2D03G1099800	1.10017	0.28126	Up	Down
11663	TraesCS2D03G1100800	0.36775	0.95817	Down	Down
11664	TraesCS2D03G1101000	0.94653	0.69497	Down	Down
11665	TraesCS2D03G1107400	0.71453	0.98734	Down	Down
11666	TraesCS2D03G1107500	0.95862	1.0857	No	No
11667	TraesCS2D03G1107700	0.76171	1.27139	No	No
11668	TraesCS2D03G1107800	0.78236	0.17175	Down	Down
11669	TraesCS2D03G1110700	1.25843	9.56622	Up	Up
11670	TraesCS2D03G1110800	0.95073	0.87299	Down	Down
11671	TraesCS2D03G1111900	0.92029	1.40959	No	No
11672	TraesCS2D03G1112100	0.74933	1.16201	No	No
11673	TraesCS2D03G1112300	1.03576	1.03777	UP	UP
11674	TraesCS2D03G1112600	1.05817	1.09487	UP	UP
11675	TraesCS2D03G1113100	0.90851	0.66299	Down	Down
11676	TraesCS2D03G1114400	0.68916	1.10969	No	No
11677	TraesCS2D03G1115800	1.03324	0.43443	Up	Down
11678	TraesCS2D03G1117000	0.8479	1.52608	No	No
11679	TraesCS2D03G1117600	1.21947	0.47705	Up	Down
11680	TraesCS2D03G1118200	1.18879	0.9423	No	No
11681	TraesCS2D03G1118600	1.35156	0.17052	Up	Down
11682	TraesCS2D03G1119100	1.18363	0.52953	No	No
11683	TraesCS2D03G1119800	1.11045	0.74228	No	No
11685	TraesCS2D03G1122000	0.26034	1.51824	Down	Up
11686	TraesCS2D03G1123200	1.34325	0.92929	No	No
11687	TraesCS2D03G1123700	2.30688	3.57536	Up	Up
11688	TraesCS2D03G1124800	0.4436	4.00559	Down	Up
11689	TraesCS2D03G1125400	0.9922	0.25462	Down	Down
11690	TraesCS2D03G1126200	0.95624	1.24231	No	No
11691	TraesCS2D03G1129400	0.9752	0.82236	Down	Down
11692	TraesCS2D03G1131200	0.65742	3.7862	Down	Up
11693	TraesCS2D03G1131400	0.51827	1.24358	No	No
11694	TraesCS2D03G1131500	0.79013	0.76873	Down	Down
11695	TraesCS2D03G1132800	1.17416	2.10524	Up	Up
11696	TraesCS2D03G1134400	1.10692	0.95614	No	No
11697	TraesCS2D03G1135100	2.34767	3.91033	Up	Up
11698	TraesCS2D03G1136200	1.14554	2.68001	Up	Up
11699	TraesCS2D03G1142300	1.21581	1.14822	UP	UP
11700	TraesCS2D03G1146600	1.47568	0.4713	Up	Down
11701	TraesCS2D03G1147000	0.79942	1.80791	No	No
11702	TraesCS2D03G1149300	1.14975	0.50277	No	No
11703	TraesCS2D03G1149700	1.39642	0.47043	Up	Down
11704	TraesCS2D03G1150300	0.7359	0.82051	Down	Down
11705	TraesCS2D03G1151400	1.09931	0.46994	Up	Down
11706	TraesCS2D03G1151900	1.19387	0.85102	No	No
11707	TraesCS2D03G1153900	0.87284	0.96384	Down	Down
11708	TraesCS2D03G1154600	0.98242	1.81191	No	No
11709	TraesCS2D03G1157900	0.76363	0.6391	Down	Down
11710	TraesCS2D03G1159000	0.80178	0.49049	Down	Down
11711	TraesCS2D03G1159400	0.74351	1.20392	No	No
11712	TraesCS2D03G1160000	1.08985	1.31079	UP	UP

11713	TraesCS2D03G1160000	1.59328	1.42374	UP	UP
11714	TraesCS2D03G1161200	0.79946	2.41492	Down	Up
11715	TraesCS2D03G1162800	0.70035	1.23603	No	No
11716	TraesCS2D03G1165500	0.96942	1.36716	No	No
11717	TraesCS2D03G1166900	1.12641	1.23346	UP	UP
11718	TraesCS2D03G1170700	1.91208	0.70058	No	No
11719	TraesCS2D03G1171700	1.10731	0.4274	Up	Down
11720	TraesCS2D03G1173100	1.07039	0.64384	No	No
11721	TraesCS2D03G1179300	0.78344	0.41476	Down	Down
11722	TraesCS2D03G1179500	0.83505	0.84838	Down	Down
11723	TraesCS2D03G1179600	0.83195	0.49496	Down	Down
11724	TraesCS2D03G1179800	0.76139	1.1667	No	No
11725	TraesCS2D03G1180000	0.71035	0.79957	Down	Down
11727	TraesCS2D03G1186000	0.80672	0.51969	Down	Down
11728	TraesCS2D03G1187400	1.06824	0.57341	No	No
11729	TraesCS2D03G1190100	1.72273	1.70239	UP	UP
11730	TraesCS2D03G1190300	0.68278	6.04334	Down	Up
11731	TraesCS2D03G1191200	1.37637	0.33423	Up	Down
11732	TraesCS2D03G1192500	0.65958	0.57384	Down	Down
11733	TraesCS2D03G1193800	0.89555	1.86803	No	No
11735	TraesCS2D03G1196600	0.9464	1.1095	No	No
11736	TraesCS2D03G1196800	0.62723	1.40128	No	No
11737	TraesCS2D03G1197700	0.70945	2.07657	Down	Up
11738	TraesCS2D03G1199300	1.3955	1.5413	UP	UP
11739	TraesCS2D03G1199800	0.48023	5.47929	Down	Up
11740	TraesCS2D03G1199900	0.97675	13.0555	Down	Up
11741	TraesCS2D03G1200300	1.0907	7.27601	Up	Up
11742	TraesCS2D03G1200500	1.76363	2.42433	Up	Up
11743	TraesCS2D03G1200600	0.63382	1.74846	No	No
11744	TraesCS2D03G1200800	0.87979	0.83308	Down	Down
11745	TraesCS2D03G1200900	0.54621	0.43095	Down	Down
11746	TraesCS2D03G1201300	0.68374	7.25015	Down	Up
11747	TraesCS2D03G1201800	1.02248	1.12403	UP	UP
11748	TraesCS2D03G1201900	0.89492	0.92339	Down	Down
11749	TraesCS2D03G1202000	0.79887	0.83124	Down	Down
11750	TraesCS2D03G1202100	0.75497	0.57401	Down	Down
11751	TraesCS2D03G1202300	0.94127	0.91708	Down	Down
11752	TraesCS2D03G1202400	1.3464	0.27446	Up	Down
11753	TraesCS2D03G1204000	1.21361	0.97627	No	No
11754	TraesCS2D03G1204900	1.18927	0.35838	Up	Down
11755	TraesCS2D03G1205000	0.95591	0.58575	Down	Down
11756	TraesCS2D03G1207000	0.8815	14.099	Down	Up
11757	TraesCS2D03G1207500	0.94922	4.23742	Down	Up
11758	TraesCS2D03G1207700	0.47488	0.94822	Down	Down
11759	TraesCS2D03G1207800	1.77938	1.22442	UP	UP
11760	TraesCS2D03G1208800	0.67298	0.64124	Down	Down
11761	TraesCS2D03G1209200	0.61303	0.96623	Down	Down
11762	TraesCS2D03G1212800	0.6933	0.85226	Down	Down
11763	TraesCS2D03G1212900	1.19215	1.68301	UP	UP
11764	TraesCS2D03G1213000	0.94168	12.9381	Down	Up
11767	TraesCS2D03G1216000	1.42596	0.35795	Up	Down
11768	TraesCS2D03G1216700	0.47853	4.23989	Down	Up

11769	TraesCS2D03G1216800	0.50522	6.41309	Down	Up
11770	TraesCS2D03G1217200	0.99824	5.49321	Down	Up
11771	TraesCS2D03G1217800	0.95785	1.65421	No	No
11772	TraesCS2D03G1217900	1.04334	0.73466	No	No
11773	TraesCS2D03G1218500	1.42406	1.18653	UP	UP
11774	TraesCS2D03G1218600	0.65075	1.57601	No	No
11775	TraesCS2D03G1221300	0.9607	1.08183	No	No
11776	TraesCS2D03G1226700	1.23932	0.5921	No	No
11779	TraesCS2D03G1227600	1.31127	0.37993	Up	Down
11780	TraesCS2D03G1227600	0.87617	0.61139	Down	Down
11783	TraesCS2D03G1228700	1.53163	0.32276	Up	Down
11784	TraesCS2D03G1229600	0.99691	2.49956	Down	Up
11785	TraesCS2D03G1230000	1.55393	0.53216	No	No
11786	TraesCS2D03G1230100	0.83334	0.8992	Down	Down
11787	TraesCS2D03G1230200	0.58814	1.2639	No	No
11788	TraesCS2D03G1230500	0.99888	1.357	No	No
11789	TraesCS2D03G1231500	1.08637	0.84006	No	No
11793	TraesCS2D03G1234000	1.15854	0.61885	No	No
11794	TraesCS2D03G1235400	1.0454	0.82539	No	No
11796	TraesCS2D03G1235800	2.49786	0.39155	Up	Down
11798	TraesCS2D03G1236500	0.96063	1.80461	No	No
11799	TraesCS2D03G1236600	1.28172	1.427	UP	UP
11800	TraesCS2D03G1236600	1.11155	1.0195	UP	UP
11801	TraesCS2D03G1237000	1.43648	0.40173	Up	Down
11803	TraesCS2D03G1237300	1.26542	0.44653	Up	Down
11807	TraesCS2D03G1242500	1.03957	0.44732	Up	Down
11808	TraesCS2D03G1242600	1.12584	1.69274	UP	UP
11809	TraesCS2D03G1243500	0.99885	1.34223	No	No
11810	TraesCS2D03G1245300	0.6993	2.19925	Down	Up
11811	TraesCS2D03G1245800	0.68033	2.79082	Down	Up
11812	TraesCS2D03G1245900	0.94611	0.49494	Down	Down
11813	TraesCS2D03G1246100	0.66029	0.86765	Down	Down
11814	TraesCS2D03G1247000	0.65906	0.89725	Down	Down
11815	TraesCS2D03G1249100	1.15604	1.00039	UP	UP
11816	TraesCS2D03G1249400	0.6143	0.55119	Down	Down
11818	TraesCS2D03G1252900	0.78058	0.81663	Down	Down
11820	TraesCS2D03G1254000	0.68953	0.81555	Down	Down
11821	TraesCS2D03G1254400	1.08211	0.84405	No	No
11822	TraesCS2D03G1255200	1.1076	1.88296	UP	UP
11823	TraesCS2D03G1255900	0.97306	0.85766	Down	Down
11824	TraesCS2D03G1257100	0.50135	0.23469	Down	Down
11825	TraesCS2D03G1258300	1.0619	1.90801	UP	UP
11826	TraesCS2D03G1258500	0.71526	1.15655	No	No
11827	TraesCS2D03G1258600	0.81831	0.79816	Down	Down
11828	TraesCS2D03G1261500	0.86304	3.99974	Down	Up
11829	TraesCS2D03G1262500	1.06973	0.76403	No	No
11830	TraesCS2D03G1262600	1.59587	0.97906	No	No
11831	TraesCS2D03G1263000	0.78937	0.90007	Down	Down
11832	TraesCS2D03G1263900	1.0999	1.18929	UP	UP
11834	TraesCS2D03G1264300	0.92388	2.36742	Down	Up
11835	TraesCS2D03G1264400	1.26389	0.62501	No	No
11836	TraesCS2D03G1264500	0.52432	7.25546	Down	Up

11838	TraesCS2D03G1265000	1.41903	1.18322	UP	UP
11839	TraesCS2D03G1265100	0.89582	1.35965	No	No
11840	TraesCS2D03G1265800	0.8099	1.41108	No	No
11841	TraesCS2D03G1265900	0.79329	0.75014	Down	Down
11842	TraesCS2D03G1266800	0.96592	1.28953	No	No
11843	TraesCS2D03G1267100	0.76168	3.15594	Down	Up
11844	TraesCS2D03G1267900	0.66137	3.45048	Down	Up
11845	TraesCS2D03G1272500	0.74864	0.60226	Down	Down
11847	TraesCS2D03G1282600	0.56944	0.9978	Down	Down
11848	TraesCS2D03G1284000	1.55398	0.89563	No	No
11849	TraesCS2D03G1290800	0.63568	1.70787	No	No
11851	TraesCS2D03G1315400	0.79661	0.69323	Down	Down
11852	TraesCS2D03G1316200	1.01253	0.9117	No	No
11853	TraesCS2D03G1320900	0.73867	0.81639	Down	Down
11856	TraesCS2D03G1329300	1.11319	0.45354	Up	Down
11857	TraesCS2D03G1330600	0.82388	0.5887	Down	Down
11858	TraesCS2D03G1334200	0.87761	1.68233	No	No
11859	TraesCS2D03G1334300	0.7028	0.59771	Down	Down
11860	TraesCS2D03G1343100	0.74781	1.51562	No	No
11861	TraesCS3A03G0000200	1.17416	2.05542	Up	Up
11862	TraesCS3A03G0002700	0.71062	2.9839	Down	Up
11863	TraesCS3A03G0008400	0.981	0.9083	Down	Down
11864	TraesCS3A03G0014600	1.22229	0.3265	Up	Down
11865	TraesCS3A03G0014800	1.03714	0.90687	No	No
11866	TraesCS3A03G0015300	1.03589	0.79932	No	No
11867	TraesCS3A03G0015800	0.60534	24.8576	Down	Up
11868	TraesCS3A03G0016000	0.58355	14.1706	Down	Up
11869	TraesCS3A03G0016300	0.89377	12.7738	Down	Up
11870	TraesCS3A03G0016800	0.88578	1.60272	No	No
11871	TraesCS3A03G0017200	0.7648	1.84238	No	No
11872	TraesCS3A03G0019100	0.81272	0.90823	Down	Down
11873	TraesCS3A03G0019900	1.09773	1.06057	UP	UP
11874	TraesCS3A03G0020000	1.10354	0.56127	No	No
11876	TraesCS3A03G0020900	0.88759	0.82929	Down	Down
11877	TraesCS3A03G0021700	0.913	2.60672	Down	Up
11878	TraesCS3A03G0022200	0.94229	2.18403	Down	Up
11879	TraesCS3A03G0024300	0.54833	16.1443	Down	Up
11880	TraesCS3A03G0025400	1.24391	6.91634	Up	Up
11881	TraesCS3A03G0025700	0.79779	0.54013	Down	Down
11882	TraesCS3A03G0025700	1.5559	0.8824	No	No
11884	TraesCS3A03G0027600	1.35042	2.90321	Up	Up
11885	TraesCS3A03G0029700	1.04164	1.86227	UP	UP
11887	TraesCS3A03G0030800	1.30448	0.45914	Up	Down
11888	TraesCS3A03G0033600	1.95796	1.03471	UP	UP
11889	TraesCS3A03G0034400	1.73633	1.72963	UP	UP
11890	TraesCS3A03G0036800	1.05192	0.80642	No	No
11891	TraesCS3A03G0037900	1.6923	2.7474	Up	Up
11893	TraesCS3A03G0038300	1.61845	3.70229	Up	Up
11894	TraesCS3A03G0041700	0.83143	1.67847	No	No
11895	TraesCS3A03G0043200	0.98111	0.58518	Down	Down
11896	TraesCS3A03G0043600	0.87429	1.85551	No	No
11897	TraesCS3A03G0044600	1.29173	2.68862	Up	Up

11899	TraesCS3A03G0045600	1.3778	1.12973	UP	UP
11900	TraesCS3A03G0046100	0.81118	0.52661	Down	Down
11901	TraesCS3A03G0046400	3.68523	0.8029	Up	Down
11902	TraesCS3A03G0047000	1.66664	0.87888	No	No
11903	TraesCS3A03G0048000	1.09398	0.41697	Up	Down
11904	TraesCS3A03G0048600	1.07968	0.31316	Up	Down
11905	TraesCS3A03G0048700	1.19228	0.40616	Up	Down
11906	TraesCS3A03G0049500	1.0302	2.56303	Up	Up
11907	TraesCS3A03G0050400	1.20925	2.06253	Up	Up
11908	TraesCS3A03G0051200	0.57592	7.54394	Down	Up
11909	TraesCS3A03G0051400	1.01092	1.14508	UP	UP
11910	TraesCS3A03G0051600	1.26568	1.34557	UP	UP
11911	TraesCS3A03G0052000	1.10707	0.95391	No	No
11912	TraesCS3A03G0052200	0.87399	0.64535	Down	Down
11913	TraesCS3A03G0052500	1.09487	0.61019	No	No
11914	TraesCS3A03G0053000	1.01536	1.11027	UP	UP
11915	TraesCS3A03G0053100	1.35214	0.56416	No	No
11917	TraesCS3A03G0053400	1.12769	1.05067	UP	UP
11918	TraesCS3A03G0053500	1.47444	0.64353	No	No
11919	TraesCS3A03G0056500	1.23423	0.92103	No	No
11920	TraesCS3A03G0056600	1.22602	0.71091	No	No
11921	TraesCS3A03G0057000	1.68208	0.88025	No	No
11922	TraesCS3A03G0057100	1.19356	0.81756	No	No
11924	TraesCS3A03G0068900	1.82381	4.30302	Up	Up
11925	TraesCS3A03G0070000	1.55128	0.3674	Up	Down
11926	TraesCS3A03G0070000	1.55843	2.27298	Up	Up
11927	TraesCS3A03G0070000	0.48487	3.35073	Down	Up
11928	TraesCS3A03G0070800	0.7902	1.0639	No	No
11929	TraesCS3A03G0071400	2.89342	0.62067	Up	Down
11931	TraesCS3A03G0072900	0.77391	0.6592	Down	Down
11932	TraesCS3A03G0073200	1.11202	0.54626	No	No
11933	TraesCS3A03G0073700	0.8456	2.13659	Down	Up
11934	TraesCS3A03G0074000	0.66787	1.009	No	No
11935	TraesCS3A03G0074600	1.05445	1.09845	UP	UP
11936	TraesCS3A03G0075000	0.95737	1.51814	No	No
11937	TraesCS3A03G0076800	2.20544	0.57623	Up	Down
11938	TraesCS3A03G0076900	0.80957	2.51924	Down	Up
11939	TraesCS3A03G0077500	0.83142	3.52165	Down	Up
11940	TraesCS3A03G0077700	1.07546	0.86355	No	No
11941	TraesCS3A03G0077900	0.86739	1.24598	No	No
11942	TraesCS3A03G0079500	0.55231	2.07978	Down	Up
11943	TraesCS3A03G0079800	0.83808	1.06659	No	No
11944	TraesCS3A03G0081800	3.00299	0.82562	Up	Down
11945	TraesCS3A03G0082500	0.92876	4.88566	Down	Up
11946	TraesCS3A03G0082900	0.90947	0.86859	Down	Down
11947	TraesCS3A03G0083400	0.82559	1.18493	No	No
11948	TraesCS3A03G0084600	1.86396	2.27651	UP	UP
11950	TraesCS3A03G0084900	0.98406	2.53214	Down	Up
11951	TraesCS3A03G0085500	1.30447	0.40911	Up	Down
11952	TraesCS3A03G0085700	1.00168	1.42882	UP	UP
11953	TraesCS3A03G0086900	0.2796	1.64368	Down	Up
11954	TraesCS3A03G0088000	0.84314	0.7672	Down	Down

11955	TraesCS3A03G0089200	0.87219	1.74983	No	No
11956	TraesCS3A03G0089300	0.75972	2.08809	Down	Up
11957	TraesCS3A03G0089400	1.00643	1.38703	UP	UP
11958	TraesCS3A03G0089500	0.76545	1.34933	No	No
11959	TraesCS3A03G0089600	0.74328	0.80575	Down	Down
11960	TraesCS3A03G0091000	0.80939	1.72761	No	No
11962	TraesCS3A03G0094400	0.89651	0.87172	Down	Down
11963	TraesCS3A03G0094800	0.97086	0.91142	Down	Down
11964	TraesCS3A03G0095700	0.65414	0.8565	Down	Down
11965	TraesCS3A03G0095800	1.22841	1.20726	UP	UP
11967	TraesCS3A03G0097900	0.75974	4.18627	Down	Up
11969	TraesCS3A03G0098600	1.00607	1.47995	UP	UP
11970	TraesCS3A03G0099200	1.17133	2.03907	Up	Up
11971	TraesCS3A03G0100700	0.84489	3.23432	Down	Up
11972	TraesCS3A03G0104000	0.8556	1.63771	No	No
11973	TraesCS3A03G0107800	0.79405	0.19349	Down	Down
11976	TraesCS3A03G0110900	1.44053	0.68235	No	No
11977	TraesCS3A03G0111800	0.93934	0.56953	Down	Down
11978	TraesCS3A03G0112400	0.74263	1.34092	No	No
11979	TraesCS3A03G0112700	0.78193	1.44957	No	No
11980	TraesCS3A03G0112800	1.07129	0.49522	Up	Down
11982	TraesCS3A03G0114600	0.9864	1.02691	No	No
11983	TraesCS3A03G0115600	0.7816	0.45156	Down	Down
11984	TraesCS3A03G0115800	1.02974	0.79753	No	No
11985	TraesCS3A03G0115900	4.93522	0.01822	Up	Down
11986	TraesCS3A03G0116000	0.6502	1.15514	No	No
11987	TraesCS3A03G0116100	0.86523	0.90009	Down	Down
11990	TraesCS3A03G0117900	1.44464	0.46162	Up	Down
11991	TraesCS3A03G0118000	1.24868	1.11324	UP	UP
11992	TraesCS3A03G0118200	0.81783	3.90284	Down	Up
11993	TraesCS3A03G0118300	1.12233	1.24743	UP	UP
11994	TraesCS3A03G0118900	0.72137	2.07204	Down	Up
11995	TraesCS3A03G0119200	0.70225	2.47501	Down	Up
11996	TraesCS3A03G0119800	0.55882	0.61415	Down	Down
11997	TraesCS3A03G0120400	1.20515	1.06269	UP	UP
11998	TraesCS3A03G0120700	1.20357	1.5404	UP	UP
11999	TraesCS3A03G0123300	0.45799	2.78399	Down	Up
12000	TraesCS3A03G0123700	1.04658	0.80353	No	No
12001	TraesCS3A03G0127000	0.49404	0.73829	Down	Down
12002	TraesCS3A03G0128200	0.77509	0.74444	Down	Down
12003	TraesCS3A03G0128900	1.41658	2.13537	Up	Up
12004	TraesCS3A03G0129600	0.78276	0.2362	Down	Down
12005	TraesCS3A03G0130500	1.32981	1.32802	UP	UP
12006	TraesCS3A03G0130800	0.79899	0.88681	Down	Down
12007	TraesCS3A03G0131600	0.70975	2.58745	Down	Up
12008	TraesCS3A03G0131700	1.40564	1.63891	UP	UP
12009	TraesCS3A03G0138200	1.21838	1.32673	UP	UP
12012	TraesCS3A03G0139100	0.95496	1.14089	No	No
12013	TraesCS3A03G0139600	1.13616	1.29678	UP	UP
12014	TraesCS3A03G0142800	0.80837	1.70212	No	No
12015	TraesCS3A03G0144200	1.04092	1.00565	UP	UP
12017	TraesCS3A03G0145000	0.76043	0.96662	Down	Down

12018	TraesCS3A03G0146300	0.96056	0.43195	Down	Down
12020	TraesCS3A03G0146800	0.9898	0.81672	Down	Down
12023	TraesCS3A03G0148300	1.11024	1.13776	UP	UP
12027	TraesCS3A03G0152300	3.0901	0.71801	Up	Down
12028	TraesCS3A03G0152800	1.56338	0.79139	No	No
12032	TraesCS3A03G0158100	0.54277	0.6586	Down	Down
12033	TraesCS3A03G0158800	0.70272	1.77101	No	No
12034	TraesCS3A03G0158900	1.14659	0.61658	No	No
12036	TraesCS3A03G0160900	0.747	1.34799	No	No
12037	TraesCS3A03G0161300	0.82413	0.91653	Down	Down
12038	TraesCS3A03G0161400	1.02383	0.76168	No	No
12039	TraesCS3A03G0162900	0.9168	1.34993	No	No
12040	TraesCS3A03G0164300	0.56714	0.53611	Down	Down
12042	TraesCS3A03G0164600	1.0175	3.93174	Up	Up
12043	TraesCS3A03G0164600	0.83181	2.04374	Down	Up
12044	TraesCS3A03G0164700	0.62433	1.78018	No	No
12045	TraesCS3A03G0164800	0.78841	3.24038	Down	Up
12046	TraesCS3A03G0164900	1.2456	1.59914	UP	UP
12048	TraesCS3A03G0165300	1.15751	1.55938	UP	UP
12049	TraesCS3A03G0165600	0.83068	1.06039	No	No
12050	TraesCS3A03G0165700	0.72617	0.56228	Down	Down
12051	TraesCS3A03G0166400	1.1529	0.62904	No	No
12052	TraesCS3A03G0166600	0.84438	1.0832	No	No
12053	TraesCS3A03G0166800	1.12597	0.74299	No	No
12055	TraesCS3A03G0168300	1.12543	0.76753	No	No
12056	TraesCS3A03G0168400	0.53018	0.98144	Down	Down
12057	TraesCS3A03G0172500	0.72211	0.4826	Down	Down
12058	TraesCS3A03G0172800	0.78904	0.65252	Down	Down
12059	TraesCS3A03G0173000	0.91477	1.76508	No	No
12060	TraesCS3A03G0174500	0.99638	0.95567	Down	Down
12061	TraesCS3A03G0174700	0.87474	1.2629	No	No
12064	TraesCS3A03G0176000	0.63913	1.14644	No	No
12066	TraesCS3A03G0180600	1.29497	0.15952	Up	Down
12067	TraesCS3A03G0180700	2.04536	0.44552	Up	Down
12068	TraesCS3A03G0182200	0.91779	2.02872	Down	Up
12070	TraesCS3A03G0182500	0.60556	2.15618	Down	Up
12071	TraesCS3A03G0182700	1.33702	2.11005	Up	Up
12072	TraesCS3A03G0182700	1.00389	0.32191	Up	Down
12073	TraesCS3A03G0183800	1.05428	0.62621	No	No
12074	TraesCS3A03G0183900	0.88841	1.28797	No	No
12075	TraesCS3A03G0184200	0.98896	0.28884	Down	Down
12076	TraesCS3A03G0184200	0.88213	0.3621	Down	Down
12078	TraesCS3A03G0184800	2.12089	0.89569	Up	Down
12079	TraesCS3A03G0185400	1.13757	0.47298	Up	Down
12080	TraesCS3A03G0185600	0.90719	0.60676	Down	Down
12081	TraesCS3A03G0187700	0.94428	1.84958	No	No
12082	TraesCS3A03G0187800	1.66773	0.20655	Up	Down
12083	TraesCS3A03G0187900	1.31899	0.25788	Up	Down
12084	TraesCS3A03G0188400	1.24865	0.40976	Up	Down
12085	TraesCS3A03G0188500	0.99468	0.26789	Down	Down
12086	TraesCS3A03G0189000	1.0695	0.98006	No	No
12087	TraesCS3A03G0189400	1.4525	1.73155	UP	UP

12088	TraesCS3A03G0189600	2.35695	0.95579	Up	Down
12089	TraesCS3A03G0189600	1.29364	0.46105	Up	Down
12090	TraesCS3A03G0189800	0.8673	1.43525	No	No
12091	TraesCS3A03G0190200	0.59279	1.1934	No	No
12093	TraesCS3A03G0192200	0.96698	1.53683	No	No
12094	TraesCS3A03G0192500	0.89021	0.86995	Down	Down
12095	TraesCS3A03G0192800	0.95397	0.32437	Down	Down
12096	TraesCS3A03G0192800	1.31763	1.00276	UP	UP
12097	TraesCS3A03G0192900	0.9697	1.03332	No	No
12098	TraesCS3A03G0193000	0.90564	1.71784	No	No
12099	TraesCS3A03G0193100	0.99182	1.37286	No	No
12100	TraesCS3A03G0193200	0.86153	0.98219	Down	Down
12101	TraesCS3A03G0193700	1.56332	0.52854	No	No
12102	TraesCS3A03G0193800	0.66782	0.47464	Down	Down
12103	TraesCS3A03G0194200	0.94211	0.96964	Down	Down
12104	TraesCS3A03G0194300	0.29934	6.01585	Down	Up
12105	TraesCS3A03G0196000	0.9223	0.8848	Down	Down
12106	TraesCS3A03G0196100	0.79015	1.04603	No	No
12107	TraesCS3A03G0196200	0.95678	0.73617	Down	Down
12108	TraesCS3A03G0197600	1.45305	2.21954	Up	Up
12109	TraesCS3A03G0197900	0.43379	0.89924	Down	Down
12110	TraesCS3A03G0198000	0.75017	1.19026	No	No
12114	TraesCS3A03G0200600	0.90017	1.62805	No	No
12115	TraesCS3A03G0201000	0.6145	1.18573	No	No
12116	TraesCS3A03G0201600	0.90047	1.15177	No	No
12117	TraesCS3A03G0202400	1.08551	1.82258	UP	UP
12118	TraesCS3A03G0205100	1.57519	0.74811	No	No
12119	TraesCS3A03G0205600	0.75397	0.86631	Down	Down
12120	TraesCS3A03G0206000	1.03232	0.9396	No	No
12121	TraesCS3A03G0206500	1.0842	1.33034	UP	UP
12122	TraesCS3A03G0207800	8.1966	1.81986	Up	Up
12123	TraesCS3A03G0209600	1.32974	0.631	No	No
12124	TraesCS3A03G0210000	0.91117	2.29358	Down	Up
12125	TraesCS3A03G0210100	1.00286	2.82763	Up	Up
12126	TraesCS3A03G0210200	0.96756	0.62256	Down	Down
12127	TraesCS3A03G0211600	0.93784	1.4536	No	No
12128	TraesCS3A03G0212300	0.92606	1.24612	No	No
12131	TraesCS3A03G0214100	0.76312	0.93071	Down	Down
12132	TraesCS3A03G0215100	0.83741	1.75884	No	No
12133	TraesCS3A03G0215600	0.69893	1.05674	No	No
12134	TraesCS3A03G0215700	0.50738	0.25975	Down	Down
12135	TraesCS3A03G0216000	1.14321	1.57394	UP	UP
12136	TraesCS3A03G0216100	1.15343	1.4357	UP	UP
12138	TraesCS3A03G0216500	1.13832	0.67067	No	No
12139	TraesCS3A03G0217000	0.66448	1.24096	No	No
12140	TraesCS3A03G0217100	1.64115	1.09972	UP	UP
12141	TraesCS3A03G0218100	1.00999	1.32813	UP	UP
12142	TraesCS3A03G0218700	1.07203	1.66611	UP	UP
12143	TraesCS3A03G0218800	1.90947	0.4652	Up	Down
12145	TraesCS3A03G0219400	1.10246	0.51747	No	No
12146	TraesCS3A03G0219500	0.81327	0.91106	Down	Down
12147	TraesCS3A03G0219600	0.96694	0.80087	Down	Down

12148	TraesCS3A03G0220500	1.01821	1.36209	UP	UP
12151	TraesCS3A03G0224000	1.05705	2.59405	Up	Up
12152	TraesCS3A03G0224100	1.45265	1.26597	UP	UP
12153	TraesCS3A03G0224400	0.78375	2.6939	Down	Up
12154	TraesCS3A03G0225600	1.05944	1.55384	UP	UP
12155	TraesCS3A03G0226600	0.73101	0.94424	Down	Down
12156	TraesCS3A03G0226800	0.74034	0.43434	Down	Down
12157	TraesCS3A03G0226900	0.84333	0.93117	Down	Down
12158	TraesCS3A03G0227000	1.76075	0.27935	Up	Down
12159	TraesCS3A03G0227300	1.47894	0.48216	Up	Down
12160	TraesCS3A03G0227700	0.69736	0.67519	Down	Down
12163	TraesCS3A03G0229400	0.99963	1.14244	No	No
12164	TraesCS3A03G0230300	1.6661	0.93336	No	No
12165	TraesCS3A03G0230700	0.40411	0.42876	Down	Down
12167	TraesCS3A03G0230900	1.28999	4.21329	Up	Up
12168	TraesCS3A03G0231500	1.07658	0.56118	No	No
12169	TraesCS3A03G0231700	1.01924	4.33036	Up	Up
12170	TraesCS3A03G0232000	0.80075	0.79912	Down	Down
12171	TraesCS3A03G0233200	1.10262	0.44736	Up	Down
12172	TraesCS3A03G0233800	1.05565	1.99551	UP	UP
12173	TraesCS3A03G0234200	0.80145	0.34315	Down	Down
12174	TraesCS3A03G0234800	1.28207	0.09959	Up	Down
12175	TraesCS3A03G0235400	0.6609	0.95121	Down	Down
12176	TraesCS3A03G0235500	0.74136	1.28272	No	No
12177	TraesCS3A03G0235600	0.90216	1.21315	No	No
12178	TraesCS3A03G0235800	0.66407	1.49611	No	No
12179	TraesCS3A03G0236200	0.90152	1.90178	No	No
12180	TraesCS3A03G0237300	1.42689	0.462	Up	Down
12181	TraesCS3A03G0237500	0.88446	0.82831	Down	Down
12182	TraesCS3A03G0237700	0.81987	0.97321	Down	Down
12183	TraesCS3A03G0237900	1.20863	2.363	Up	Up
12184	TraesCS3A03G0238000	1.0046	0.25401	Up	Down
12185	TraesCS3A03G0238000	1.55153	1.24423	UP	UP
12186	TraesCS3A03G0238100	0.7479	1.95289	No	No
12187	TraesCS3A03G0238700	1.22196	1.41738	UP	UP
12188	TraesCS3A03G0239100	1.21105	0.85303	No	No
12189	TraesCS3A03G0240600	0.80446	1.88422	No	No
12190	TraesCS3A03G0240700	1.16997	2.87471	Up	Up
12191	TraesCS3A03G0240800	0.8811	0.98377	Down	Down
12192	TraesCS3A03G0242200	1.43981	1.65465	UP	UP
12193	TraesCS3A03G0242600	1.73136	0.38975	Up	Down
12194	TraesCS3A03G0242600	0.95161	0.54318	Down	Down
12195	TraesCS3A03G0243100	0.99054	0.53727	Down	Down
12196	TraesCS3A03G0243400	0.61441	4.24235	Down	Up
12197	TraesCS3A03G0243600	0.68726	1.08148	No	No
12199	TraesCS3A03G0244400	0.83896	0.94679	Down	Down
12200	TraesCS3A03G0244500	0.51757	1.70422	No	No
12202	TraesCS3A03G0245200	1.09033	0.91852	No	No
12203	TraesCS3A03G0245500	0.67867	0.48016	Down	Down
12204	TraesCS3A03G0246300	1.13856	0.74984	No	No
12205	TraesCS3A03G0247400	1.43489	5.36287	Up	Up
12206	TraesCS3A03G0247500	0.92556	2.06042	Down	Up

12207	TraesCS3A03G0247800	0.94701	0.98859	Down	Down
12208	TraesCS3A03G0247900	0.9328	0.68417	Down	Down
12209	TraesCS3A03G0247900	0.9483	0.60968	Down	Down
12210	TraesCS3A03G0248700	0.82013	1.59403	No	No
12211	TraesCS3A03G0248800	0.96793	0.95962	Down	Down
12213	TraesCS3A03G0249000	0.5582	1.08377	No	No
12215	TraesCS3A03G0251900	0.94322	0.83224	Down	Down
12216	TraesCS3A03G0252000	1.30263	1.39173	UP	UP
12217	TraesCS3A03G0252200	0.72377	0.5964	Down	Down
12218	TraesCS3A03G0252600	1.09875	0.78583	No	No
12219	TraesCS3A03G0253100	1.11161	0.88607	No	No
12220	TraesCS3A03G0255100	1.15043	0.72564	No	No
12221	TraesCS3A03G0255800	1.83586	0.87314	No	No
12222	TraesCS3A03G0256200	0.82579	1.4996	No	No
12223	TraesCS3A03G0256500	0.96866	0.57678	Down	Down
12224	TraesCS3A03G0257700	0.88244	0.66482	Down	Down
12225	TraesCS3A03G0258500	0.97694	0.28556	Down	Down
12226	TraesCS3A03G0259400	1.04118	0.60753	No	No
12227	TraesCS3A03G0259500	1.47636	1.4861	UP	UP
12228	TraesCS3A03G0259800	1.06397	0.66375	No	No
12229	TraesCS3A03G0259900	0.75837	0.99814	Down	Down
12230	TraesCS3A03G0260000	1.14631	2.97041	Up	Up
12236	TraesCS3A03G0263100	0.95687	1.16895	No	No
12238	TraesCS3A03G0263900	0.89823	0.4282	Down	Down
12240	TraesCS3A03G0265300	0.90428	1.45695	No	No
12241	TraesCS3A03G0265900	1.04311	0.5722	No	No
12242	TraesCS3A03G0266000	0.7997	1.15095	No	No
12243	TraesCS3A03G0266200	1.21438	1.53724	UP	UP
12244	TraesCS3A03G0266300	1.11055	1.53639	UP	UP
12246	TraesCS3A03G0266900	1.48385	0.21675	Up	Down
12247	TraesCS3A03G0267000	0.67192	0.56603	Down	Down
12248	TraesCS3A03G0267800	0.93795	1.22469	No	No
12249	TraesCS3A03G0267800	1.49316	1.06231	UP	UP
12250	TraesCS3A03G0268100	0.81278	2.53695	Down	Up
12252	TraesCS3A03G0269400	0.84996	1.38301	No	No
12255	TraesCS3A03G0273700	0.73162	1.034	No	No
12256	TraesCS3A03G0273900	1.20132	2.87739	Up	Up
12257	TraesCS3A03G0274000	3.13054	1.93998	Up	Up
12259	TraesCS3A03G0274900	1.13963	0.72559	No	No
12260	TraesCS3A03G0275200	1.32809	1.0323	UP	UP
12263	TraesCS3A03G0279900	1.26392	1.44335	UP	UP
12264	TraesCS3A03G0280000	1.33191	0.68284	No	No
12265	TraesCS3A03G0280100	11.4626	1.55588	Up	Up
12267	TraesCS3A03G0280300	1.08993	0.93069	No	No
12268	TraesCS3A03G0283500	1.22841	0.6297	No	No
12269	TraesCS3A03G0283600	0.8659	1.04676	No	No
12270	TraesCS3A03G0283800	0.77242	0.29479	Down	Down
12272	TraesCS3A03G0285800	1.28476	1.71648	UP	UP
12273	TraesCS3A03G0286400	0.92125	1.27678	No	No
12275	TraesCS3A03G0286900	1.592	0.5762	No	No
12276	TraesCS3A03G0287100	1.40979	0.66258	No	No
12277	TraesCS3A03G0287300	0.85052	1.2109	No	No

12278	TraesCS3A03G0287400	1.24702	0.51235	No	No
12279	TraesCS3A03G0287700	1.41259	0.62432	No	No
12280	TraesCS3A03G0287900	4.84363	0.52647	Up	Down
12281	TraesCS3A03G0288100	0.99384	0.99933	Down	Down
12282	TraesCS3A03G0288200	1.20845	1.67909	UP	UP
12283	TraesCS3A03G0288300	1.56666	1.22587	UP	UP
12284	TraesCS3A03G0288500	1.9822	1.24316	UP	UP
12285	TraesCS3A03G0288800	1.10796	0.94391	No	No
12286	TraesCS3A03G0289200	0.69094	5.31524	Down	Up
12288	TraesCS3A03G0289900	0.93833	1.10565	No	No
12289	TraesCS3A03G0290100	0.95571	3.99226	Down	Up
12290	TraesCS3A03G0290200	3.06187	1.4936	Up	Up
12291	TraesCS3A03G0291100	1.2414	12.0877	Up	Up
12292	TraesCS3A03G0292000	0.81632	0.46626	Down	Down
12293	TraesCS3A03G0292200	1.16418	1.67536	UP	UP
12294	TraesCS3A03G0292500	0.85124	2.18272	Down	Up
12296	TraesCS3A03G0294000	1.10385	1.05553	UP	UP
12297	TraesCS3A03G0294100	2.6008	1.47004	Up	Up
12298	TraesCS3A03G0295500	0.65145	1.54089	No	No
12299	TraesCS3A03G0295600	0.61119	1.87087	No	No
12300	TraesCS3A03G0295700	0.83815	1.23674	No	No
12302	TraesCS3A03G0296700	1.34425	0.78172	No	No
12303	TraesCS3A03G0296800	0.55559	0.61008	Down	Down
12305	TraesCS3A03G0297700	1.13685	1.16741	UP	UP
12306	TraesCS3A03G0298100	0.89381	1.02407	No	No
12307	TraesCS3A03G0298900	1.90623	0.87915	No	No
12310	TraesCS3A03G0300300	0.88867	0.84797	Down	Down
12311	TraesCS3A03G0301300	0.73618	2.01577	Down	Up
12312	TraesCS3A03G0301800	0.92252	0.68751	Down	Down
12313	TraesCS3A03G0303900	0.81546	2.19639	Down	Up
12314	TraesCS3A03G0304000	0.68428	1.63353	No	No
12315	TraesCS3A03G0304400	0.57952	0.85075	Down	Down
12316	TraesCS3A03G0304600	0.8613	1.30324	No	No
12317	TraesCS3A03G0304700	0.87448	1.4394	No	No
12318	TraesCS3A03G0304900	0.77816	1.19418	No	No
12319	TraesCS3A03G0305000	0.93339	0.94186	Down	Down
12320	TraesCS3A03G0307000	0.73827	3.38144	Down	Up
12321	TraesCS3A03G0308800	1.3425	0.98571	No	No
12322	TraesCS3A03G0309100	0.72494	1.58256	No	No
12323	TraesCS3A03G0309300	1.53487	1.17298	UP	UP
12324	TraesCS3A03G0309400	1.41639	1.50717	UP	UP
12325	TraesCS3A03G0310800	0.92483	0.55311	Down	Down
12326	TraesCS3A03G0310900	1.60272	1.19621	UP	UP
12327	TraesCS3A03G0312400	0.93312	1.19572	No	No
12328	TraesCS3A03G0312500	0.80483	1.59288	No	No
12329	TraesCS3A03G0312800	0.86743	1.50389	No	No
12330	TraesCS3A03G0314200	1.11689	0.31347	Up	Down
12331	TraesCS3A03G0314400	1.53886	1.80343	UP	UP
12332	TraesCS3A03G0314800	0.95133	1.11823	No	No
12333	TraesCS3A03G0315900	0.61392	0.34428	Down	Down
12334	TraesCS3A03G0316700	1.3377	0.21091	Up	Down
12335	TraesCS3A03G0316800	0.89985	1.47986	No	No

12336	TraesCS3A03G0317500	0.89879	3.19361	Down	Up
12337	TraesCS3A03G0317800	1.27595	0.95911	No	No
12338	TraesCS3A03G0318300	1.18587	0.85422	No	No
12339	TraesCS3A03G0318600	1.50054	0.53882	No	No
12340	TraesCS3A03G0319000	0.86004	0.21971	Down	Down
12341	TraesCS3A03G0319100	0.37399	0.35332	Down	Down
12342	TraesCS3A03G0319400	1.31026	0.74136	No	No
12343	TraesCS3A03G0320700	1.95254	3.2716	Up	Up
12346	TraesCS3A03G0321600	1.60403	1.14444	UP	UP
12347	TraesCS3A03G0321600	1.21417	1.06789	UP	UP
12349	TraesCS3A03G0322500	0.44153	3.94115	Down	Up
12350	TraesCS3A03G0322800	0.76461	1.65926	No	No
12351	TraesCS3A03G0324400	0.68365	1.22887	No	No
12352	TraesCS3A03G0324500	0.57067	0.51517	Down	Down
12353	TraesCS3A03G0324700	1.33209	5.41814	Up	Up
12354	TraesCS3A03G0325200	1.08863	5.68733	Up	Up
12357	TraesCS3A03G0327700	1.4478	0.25039	Up	Down
12358	TraesCS3A03G0328400	1.3492	1.54116	UP	UP
12359	TraesCS3A03G0328400	0.89118	0.90452	Down	Down
12360	TraesCS3A03G0328400	1.41374	0.70767	No	No
12361	TraesCS3A03G0330600	0.67054	0.80238	Down	Down
12362	TraesCS3A03G0330800	0.96009	1.02121	No	No
12363	TraesCS3A03G0330900	0.98042	1.34334	No	No
12364	TraesCS3A03G0331600	1.12857	0.68286	No	No
12366	TraesCS3A03G0331800	0.8006	0.60987	Down	Down
12367	TraesCS3A03G0332200	0.67312	0.91067	Down	Down
12368	TraesCS3A03G0332300	1.01106	1.02985	UP	UP
12369	TraesCS3A03G0332300	1.19385	0.62102	No	No
12370	TraesCS3A03G0332600	1.02007	1.92373	UP	UP
12371	TraesCS3A03G0333100	1.50832	3.36438	Up	Up
12372	TraesCS3A03G0333400	0.62882	1.05665	No	No
12373	TraesCS3A03G0333500	0.98279	1.40165	No	No
12374	TraesCS3A03G0335300	1.35673	0.30516	Up	Down
12375	TraesCS3A03G0335400	0.89132	0.89057	Down	Down
12376	TraesCS3A03G0336500	1.46061	0.7861	No	No
12377	TraesCS3A03G0336900	0.92495	0.98489	Down	Down
12378	TraesCS3A03G0337400	0.72622	1.48748	No	No
12379	TraesCS3A03G0338500	1.09477	1.13454	UP	UP
12381	TraesCS3A03G0338700	1.0244	0.38389	Up	Down
12382	TraesCS3A03G0339000	0.71871	1.65691	No	No
12383	TraesCS3A03G0339600	0.84	0.5897	Down	Down
12385	TraesCS3A03G0340300	0.39093	1.99318	Down	Up
12386	TraesCS3A03G0340900	1.168	0.55411	No	No
12387	TraesCS3A03G0341200	0.99029	0.48994	Down	Down
12388	TraesCS3A03G0342000	0.75021	0.24763	Down	Down
12390	TraesCS3A03G0343200	1.36569	0.73654	No	No
12391	TraesCS3A03G0343400	1.02267	0.11982	Up	Down
12392	TraesCS3A03G0343600	1.07984	0.02606	Up	Down
12393	TraesCS3A03G0343600	0.53549	5.88764	Down	Up
12394	TraesCS3A03G0343800	1.23243	0.89858	No	No
12395	TraesCS3A03G0344500	2.4552	1.66289	Up	Up
12396	TraesCS3A03G0344700	0.89841	1.15697	No	No

12397	TraesCS3A03G0345200	0.93949	0.74785	Down	Down
12400	TraesCS3A03G0347200	1.07981	1.56329	UP	UP
12401	TraesCS3A03G0347500	1.14352	1.62141	UP	UP
12402	TraesCS3A03G0347500	1.39164	1.17502	UP	UP
12405	TraesCS3A03G0348600	0.77049	2.07052	Down	Up
12406	TraesCS3A03G0349400	0.89292	0.754	Down	Down
12407	TraesCS3A03G0349900	0.52606	1.95468	No	No
12408	TraesCS3A03G0350500	0.74634	1.16523	No	No
12410	TraesCS3A03G0351200	1.24296	0.69304	No	No
12411	TraesCS3A03G0351300	0.86252	0.52712	Down	Down
12412	TraesCS3A03G0351600	1.29798	1.23965	UP	UP
12413	TraesCS3A03G0351700	0.83922	0.96216	Down	Down
12414	TraesCS3A03G0352200	1.36325	0.48761	Up	Down
12415	TraesCS3A03G0354000	1.76188	0.70579	No	No
12416	TraesCS3A03G0354300	0.9615	1.09757	No	No
12417	TraesCS3A03G0355300	1.18647	0.35788	Up	Down
12418	TraesCS3A03G0355600	1.05613	0.65263	No	No
12419	TraesCS3A03G0355700	0.50244	1.15971	No	No
12421	TraesCS3A03G0356400	0.63668	1.09551	No	No
12422	TraesCS3A03G0356900	0.87499	1.23128	No	No
12423	TraesCS3A03G0358200	0.88051	1.74807	No	No
12424	TraesCS3A03G0358300	1.18064	0.92781	No	No
12425	TraesCS3A03G0358800	1.87708	0.6202	No	No
12426	TraesCS3A03G0359100	1.19064	1.5793	UP	UP
12427	TraesCS3A03G0359600	1.18469	0.80241	No	No
12428	TraesCS3A03G0360000	0.72892	1.05345	No	No
12429	TraesCS3A03G0360400	1.0771	0.52441	No	No
12431	TraesCS3A03G0363500	0.84681	0.96127	Down	Down
12432	TraesCS3A03G0363600	0.89357	1.32098	No	No
12433	TraesCS3A03G0363600	0.80615	2.01045	Down	Up
12434	TraesCS3A03G0364300	0.90811	1.5396	No	No
12435	TraesCS3A03G0364500	0.90731	1.39201	No	No
12436	TraesCS3A03G0364600	1.24055	1.50599	UP	UP
12437	TraesCS3A03G0365400	1.35778	0.69629	No	No
12438	TraesCS3A03G0366300	0.62942	0.84618	Down	Down
12439	TraesCS3A03G0366300	1.4333	2.4212	Up	Up
12440	TraesCS3A03G0368200	1.00994	1.29906	UP	UP
12441	TraesCS3A03G0368300	1.41628	0.7204	No	No
12442	TraesCS3A03G0368400	0.94548	0.94346	Down	Down
12443	TraesCS3A03G0368600	0.9608	0.23959	Down	Down
12444	TraesCS3A03G0368700	0.94202	2.0275	Down	Up
12445	TraesCS3A03G0368900	0.67395	2.3086	Down	Up
12447	TraesCS3A03G0369500	0.98794	0.87808	Down	Down
12448	TraesCS3A03G0369700	0.98206	0.61162	Down	Down
12449	TraesCS3A03G0369800	1.30277	0.20147	Up	Down
12450	TraesCS3A03G0370800	1.00608	1.02979	UP	UP
12451	TraesCS3A03G0371800	1.47202	1.20802	UP	UP
12452	TraesCS3A03G0371900	1.34578	1.46411	UP	UP
12453	TraesCS3A03G0372000	1.02631	0.51726	No	No
12455	TraesCS3A03G0373100	1.21215	1.3606	UP	UP
12456	TraesCS3A03G0374300	0.95867	1.11147	No	No
12457	TraesCS3A03G0375800	0.63586	0.73086	Down	Down

12458	TraesCS3A03G0376000	0.50326	0.87494	Down	Down
12459	TraesCS3A03G0376100	0.69958	1.50939	No	No
12460	TraesCS3A03G0376200	0.89976	0.58863	Down	Down
12461	TraesCS3A03G0377200	0.86881	0.59034	Down	Down
12462	TraesCS3A03G0377300	1.04012	0.53015	No	No
12463	TraesCS3A03G0377700	1.17498	1.43054	UP	UP
12466	TraesCS3A03G0378800	1.23773	1.99246	UP	UP
12467	TraesCS3A03G0379000	1.45129	1.24595	UP	UP
12469	TraesCS3A03G0379300	0.99107	0.79535	Down	Down
12472	TraesCS3A03G0382100	1.31973	0.88705	No	No
12473	TraesCS3A03G0382200	1.42449	1.43671	UP	UP
12474	TraesCS3A03G0382400	0.72018	0.97339	Down	Down
12476	TraesCS3A03G0383400	1.08061	1.12934	UP	UP
12478	TraesCS3A03G0385200	0.71885	0.36622	Down	Down
12479	TraesCS3A03G0385200	1.11094	2.03403	Up	Up
12480	TraesCS3A03G0386500	1.01051	0.7334	No	No
12481	TraesCS3A03G0386600	0.54296	2.04313	Down	Up
12483	TraesCS3A03G0387200	0.75508	0.89966	Down	Down
12485	TraesCS3A03G0388200	0.82184	0.48794	Down	Down
12486	TraesCS3A03G0388900	0.8316	0.19572	Down	Down
12487	TraesCS3A03G0390000	0.51507	2.1893	Down	Up
12488	TraesCS3A03G0390300	2.2883	0.4496	Up	Down
12489	TraesCS3A03G0390500	1.40632	1.31995	UP	UP
12490	TraesCS3A03G0390600	0.49645	2.14074	Down	Up
12491	TraesCS3A03G0391900	1.06811	0.52372	No	No
12492	TraesCS3A03G0392300	0.77408	2.53843	Down	Up
12493	TraesCS3A03G0393200	1.25593	0.9229	No	No
12497	TraesCS3A03G0396300	0.61554	1.05797	No	No
12498	TraesCS3A03G0396800	0.94949	1.31961	No	No
12499	TraesCS3A03G0397200	1.33816	2.05149	Up	Up
12500	TraesCS3A03G0397400	0.95474	6.51212	Down	Up
12504	TraesCS3A03G0399500	0.91393	3.62867	Down	Up
12505	TraesCS3A03G0399600	0.97005	2.35243	Down	Up
12506	TraesCS3A03G0400100	1.42116	2.82221	Up	Up
12507	TraesCS3A03G0400200	0.94642	0.99032	Down	Down
12508	TraesCS3A03G0400400	0.7535	1.67401	No	No
12509	TraesCS3A03G0400900	1.24827	0.92075	No	No
12519	TraesCS3A03G0405600	0.85289	0.40293	Down	Down
12520	TraesCS3A03G0405700	1.10947	1.39101	UP	UP
12522	TraesCS3A03G0406300	0.95589	1.18279	No	No
12523	TraesCS3A03G0407200	0.49528	1.03286	Down	Up
12525	TraesCS3A03G0407700	1.31263	1.50655	UP	UP
12526	TraesCS3A03G0409800	1.3944	1.29042	UP	UP
12527	TraesCS3A03G0410000	2.31953	0.43834	Up	Down
12529	TraesCS3A03G0411800	1.22909	0.86292	No	No
12530	TraesCS3A03G0412000	1.1557	1.58109	UP	UP
12531	TraesCS3A03G0412200	2.12711	1.40448	Up	Up
12533	TraesCS3A03G0412400	0.89383	0.58189	Down	Down
12534	TraesCS3A03G0414000	0.97875	1.00627	No	No
12538	TraesCS3A03G0414600	1.11777	1.30561	UP	UP
12539	TraesCS3A03G0415400	1.27464	1.22538	UP	UP
12540	TraesCS3A03G0416100	0.84419	0.8272	Down	Down

12541	TraesCS3A03G0416600	0.85006	0.6419	Down	Down
12542	TraesCS3A03G0416800	0.38584	2.21691	Down	Up
12543	TraesCS3A03G0417000	0.65018	1.3609	No	No
12544	TraesCS3A03G0417100	0.94903	0.66492	Down	Down
12545	TraesCS3A03G0417600	0.8564	1.07451	No	No
12546	TraesCS3A03G0418600	1.20694	1.3298	UP	UP
12547	TraesCS3A03G0418700	0.8534	1.00515	No	No
12548	TraesCS3A03G0418900	0.84037	3.21196	Down	Up
12549	TraesCS3A03G0419000	0.91052	0.31727	Down	Down
12550	TraesCS3A03G0419000	1.24021	2.81446	Up	Up
12551	TraesCS3A03G0419100	1.60175	1.79908	UP	UP
12552	TraesCS3A03G0419800	0.87643	1.41354	No	No
12553	TraesCS3A03G0421300	1.08391	1.18381	UP	UP
12554	TraesCS3A03G0423100	0.72294	1.40239	No	No
12556	TraesCS3A03G0423700	1.06288	0.8528	No	No
12557	TraesCS3A03G0423800	1.1592	2.56271	Up	Up
12558	TraesCS3A03G0423800	1.07622	1.51892	UP	UP
12559	TraesCS3A03G0424900	0.69847	0.9059	Down	Down
12560	TraesCS3A03G0426000	1.32872	1.36521	UP	UP
12561	TraesCS3A03G0426700	0.79172	0.95946	Down	Down
12562	TraesCS3A03G0427100	0.79667	0.78163	Down	Down
12563	TraesCS3A03G0428000	0.68635	1.43076	No	No
12564	TraesCS3A03G0428500	1.03776	1.14753	UP	UP
12565	TraesCS3A03G0428600	1.10173	0.75449	No	No
12566	TraesCS3A03G0430200	1.03371	1.00888	UP	UP
12567	TraesCS3A03G0431100	0.95363	1.13213	No	No
12568	TraesCS3A03G0431400	0.83228	2.88374	Down	Up
12569	TraesCS3A03G0431500	1.02968	1.21995	UP	UP
12570	TraesCS3A03G0433200	0.5023	1.98114	No	No
12572	TraesCS3A03G0434200	0.98976	1.66531	No	No
12573	TraesCS3A03G0434400	1.02866	0.89843	No	No
12574	TraesCS3A03G0435400	1.04526	0.89626	No	No
12575	TraesCS3A03G0436100	0.81998	1.70852	No	No
12576	TraesCS3A03G0437700	0.90917	1.24213	No	No
12577	TraesCS3A03G0437800	1.35701	0.89191	No	No
12578	TraesCS3A03G0438100	1.20383	1.28713	UP	UP
12579	TraesCS3A03G0438400	1.72539	2.29471	Up	Up
12580	TraesCS3A03G0438500	0.86965	6.62544	Down	Up
12581	TraesCS3A03G0438800	1.03542	0.49495	Up	Down
12582	TraesCS3A03G0438900	1.37152	0.26892	Up	Down
12583	TraesCS3A03G0439300	0.74068	1.29375	No	No
12584	TraesCS3A03G0439900	1.27519	1.0564	UP	UP
12585	TraesCS3A03G0440300	1.64824	1.24026	UP	UP
12586	TraesCS3A03G0440600	0.8145	1.49604	No	No
12587	TraesCS3A03G0441200	0.75959	1.18521	No	No
12588	TraesCS3A03G0441700	0.7745	0.80599	Down	Down
12589	TraesCS3A03G0442000	1.28407	3.8804	Up	Up
12590	TraesCS3A03G0443200	1.07323	1.58169	UP	UP
12591	TraesCS3A03G0443500	2.19336	2.24096	UP	UP
12592	TraesCS3A03G0444000	1.11921	1.05799	UP	UP
12593	TraesCS3A03G0444200	0.90951	0.51436	Down	Down
12594	TraesCS3A03G0445500	0.8354	1.11904	No	No

12595	TraesCS3A03G0445600	0.96866	0.8397	Down	Down
12596	TraesCS3A03G0445900	1.01446	1.67603	UP	UP
12597	TraesCS3A03G0446500	0.99923	1.32231	No	No
12598	TraesCS3A03G0447300	1.15784	0.90384	No	No
12599	TraesCS3A03G0447800	0.62762	5.10995	Down	Up
12600	TraesCS3A03G0447900	0.48044	0.89498	Down	Down
12601	TraesCS3A03G0448600	0.81867	1.76825	No	No
12602	TraesCS3A03G0448700	1.15807	0.96189	No	No
12603	TraesCS3A03G0448800	0.93756	2.04317	Down	Up
12604	TraesCS3A03G0448900	1.27664	1.34778	UP	UP
12605	TraesCS3A03G0450100	0.63092	2.22417	Down	Up
12606	TraesCS3A03G0450200	1.20264	2.49243	Up	Up
12607	TraesCS3A03G0451500	1.016	1.95251	UP	UP
12608	TraesCS3A03G0453300	0.54972	1.75645	No	No
12609	TraesCS3A03G0453600	0.80074	1.15041	No	No
12610	TraesCS3A03G0453700	0.88099	1.29482	No	No
12611	TraesCS3A03G0454800	1.18687	1.01633	UP	UP
12612	TraesCS3A03G0455400	1.04113	0.71504	No	No
12616	TraesCS3A03G0456500	1.04425	1.26809	UP	UP
12618	TraesCS3A03G0458600	1.13695	0.29266	Up	Down
12619	TraesCS3A03G0458600	0.57424	0.50941	Down	Down
12620	TraesCS3A03G0459100	1.33853	0.32859	Up	Down
12621	TraesCS3A03G0459900	0.67356	1.50093	No	No
12623	TraesCS3A03G0460300	0.83798	1.09378	No	No
12624	TraesCS3A03G0460600	1.14401	0.26446	Up	Down
12625	TraesCS3A03G0460600	0.28361	0.22701	Down	Down
12626	TraesCS3A03G0461600	0.72548	0.31915	Down	Down
12627	TraesCS3A03G0462200	1.06664	0.92258	No	No
12628	TraesCS3A03G0462300	2.29748	0.64832	Up	Down
12630	TraesCS3A03G0463500	1.30328	0.3903	Up	Down
12632	TraesCS3A03G0464000	0.69503	1.6427	No	No
12633	TraesCS3A03G0466200	1.2007	0.99211	No	No
12634	TraesCS3A03G0466800	1.03604	0.91868	No	No
12635	TraesCS3A03G0468300	0.85064	1.24601	No	No
12636	TraesCS3A03G0469200	0.94822	1.13755	No	No
12637	TraesCS3A03G0469200	0.98841	1.20487	No	No
12638	TraesCS3A03G0469800	1.00842	2.46893	Up	Up
12640	TraesCS3A03G0471400	0.97455	0.8498	Down	Down
12642	TraesCS3A03G0473000	1.04283	0.74355	No	No
12645	TraesCS3A03G0474000	0.96065	1.07859	No	No
12647	TraesCS3A03G0474500	0.76106	2.12252	Down	Up
12648	TraesCS3A03G0474800	0.88341	2.01967	Down	Up
12649	TraesCS3A03G0475400	1.09152	0.87317	No	No
12651	TraesCS3A03G0476300	1.4831	1.45176	UP	UP
12652	TraesCS3A03G0477100	1.24371	0.88047	No	No
12653	TraesCS3A03G0477100	0.77943	1.33128	No	No
12654	TraesCS3A03G0477200	0.82746	1.03718	No	No
12655	TraesCS3A03G0478200	1.21151	0.83284	No	No
12656	TraesCS3A03G0480000	1.02298	1.31975	UP	UP
12658	TraesCS3A03G0482300	1.02408	4.29171	Up	Up
12659	TraesCS3A03G0482500	0.88009	2.17137	Down	Up
12660	TraesCS3A03G0483100	0.92374	1.69608	No	No

12662	TraesCS3A03G0486500	1.37854	0.36667	Up	Down
12664	TraesCS3A03G0488700	1.31749	1.48419	UP	UP
12668	TraesCS3A03G0489900	0.95078	0.8442	Down	Down
12669	TraesCS3A03G0491600	1.48056	0.42309	Up	Down
12670	TraesCS3A03G0493000	1.02574	0.64936	No	No
12671	TraesCS3A03G0494800	0.96723	0.81938	Down	Down
12672	TraesCS3A03G0495000	1.18007	1.22226	UP	UP
12675	TraesCS3A03G0495800	0.56686	1.78053	No	No
12677	TraesCS3A03G0496200	0.92154	1.23745	No	No
12678	TraesCS3A03G0496900	0.90239	1.77356	No	No
12679	TraesCS3A03G0498100	0.83825	1.80044	No	No
12681	TraesCS3A03G0498500	1.36194	2.89685	Up	Up
12682	TraesCS3A03G0499000	1.01371	0.92966	No	No
12684	TraesCS3A03G0499900	1.13685	0.81793	No	No
12685	TraesCS3A03G0500800	1.23021	1.45374	UP	UP
12686	TraesCS3A03G0500800	1.34153	1.37919	UP	UP
12687	TraesCS3A03G0501300	1.59662	0.67574	No	No
12689	TraesCS3A03G0502200	0.88529	0.98166	Down	Down
12690	TraesCS3A03G0502800	1.20498	1.68691	UP	UP
12691	TraesCS3A03G0505700	1.47089	0.90734	No	No
12692	TraesCS3A03G0507000	1.06713	1.49077	UP	UP
12693	TraesCS3A03G0507700	0.90241	1.24051	No	No
12695	TraesCS3A03G0508000	1.05196	0.76458	No	No
12696	TraesCS3A03G0508100	1.26332	1.33267	UP	UP
12697	TraesCS3A03G0509800	0.84729	1.3233	No	No
12698	TraesCS3A03G0510600	1.21978	1.31536	UP	UP
12699	TraesCS3A03G0511200	1.4317	1.72974	UP	UP
12700	TraesCS3A03G0511700	0.79348	1.19413	No	No
12701	TraesCS3A03G0512900	1.14312	0.25277	Up	Down
12702	TraesCS3A03G0513400	1.05937	1.04515	UP	UP
12703	TraesCS3A03G0513700	1.02658	1.3277	UP	UP
12704	TraesCS3A03G0513900	0.89531	1.15679	No	No
12705	TraesCS3A03G0514000	0.82271	1.31343	No	No
12706	TraesCS3A03G0514200	1.05025	0.8597	No	No
12707	TraesCS3A03G0514300	0.91393	1.81927	No	No
12708	TraesCS3A03G0515400	1.03683	0.86324	No	No
12711	TraesCS3A03G0516200	0.96334	2.20281	Down	Up
12713	TraesCS3A03G0519000	1.17775	0.39421	Up	Down
12714	TraesCS3A03G0519200	0.96213	1.51979	No	No
12715	TraesCS3A03G0520600	1.20349	1.16867	UP	UP
12716	TraesCS3A03G0520700	0.99499	1.04874	No	No
12717	TraesCS3A03G0521700	0.84215	0.76492	Down	Down
12718	TraesCS3A03G0521700	1.33798	0.27778	Up	Down
12720	TraesCS3A03G0522000	1.2598	0.58998	No	No
12721	TraesCS3A03G0523600	1.03262	1.77374	UP	UP
12722	TraesCS3A03G0524400	1.11739	1.20082	UP	UP
12724	TraesCS3A03G0526000	0.91649	0.58925	Down	Down
12725	TraesCS3A03G0527200	0.72949	1.41065	No	No
12727	TraesCS3A03G0528000	1.11571	0.83615	No	No
12733	TraesCS3A03G0528500	1.26179	2.06586	Up	Up
12735	TraesCS3A03G0529400	1.20339	0.43293	Up	Down
12737	TraesCS3A03G0530100	1.12432	0.56605	No	No

12738	TraesCS3A03G0530600	1.26082	0.51466	No	No
12740	TraesCS3A03G0531600	0.89116	6.11576	Down	Up
12741	TraesCS3A03G0531700	1.15619	1.16638	UP	UP
12742	TraesCS3A03G0531900	1.10258	1.70393	UP	UP
12743	TraesCS3A03G0532000	0.90064	0.74829	Down	Down
12744	TraesCS3A03G0532200	1.16082	1.60109	UP	UP
12745	TraesCS3A03G0532600	1.77902	0.73499	No	No
12747	TraesCS3A03G0533000	1.13917	0.8989	No	No
12748	TraesCS3A03G0533200	1.29881	1.20104	UP	UP
12749	TraesCS3A03G0533200	0.94397	1.83045	No	No
12750	TraesCS3A03G0533500	1.66282	0.33266	Up	Down
12751	TraesCS3A03G0534000	0.45767	1.2979	Down	Up
12753	TraesCS3A03G0534300	1.42615	0.42551	Up	Down
12754	TraesCS3A03G0534700	1.29336	1.25492	UP	UP
12755	TraesCS3A03G0534800	0.7117	1.64527	No	No
12756	TraesCS3A03G0535400	1.12701	6.53598	Up	Up
12757	TraesCS3A03G0535900	0.91574	2.21493	Down	Up
12758	TraesCS3A03G0536900	1.99337	0.68348	No	No
12759	TraesCS3A03G0536900	1.2817	1.11547	UP	UP
12760	TraesCS3A03G0536900	0.6611	0.69719	Down	Down
12761	TraesCS3A03G0537100	0.62794	3.22474	Down	Up
12762	TraesCS3A03G0537500	0.88206	1.57375	No	No
12763	TraesCS3A03G0537900	0.80115	0.61006	Down	Down
12764	TraesCS3A03G0538900	0.94033	3.02936	Down	Up
12765	TraesCS3A03G0539300	1.28635	0.17593	Up	Down
12766	TraesCS3A03G0539700	0.65195	0.89204	Down	Down
12767	TraesCS3A03G0539900	1.39158	1.19045	UP	UP
12770	TraesCS3A03G0540800	1.35681	1.05698	UP	UP
12771	TraesCS3A03G0541400	0.83218	0.41564	Down	Down
12772	TraesCS3A03G0541600	0.9761	1.20841	No	No
12773	TraesCS3A03G0541900	1.11067	15.8463	Up	Up
12774	TraesCS3A03G0542200	0.70646	1.08772	No	No
12775	TraesCS3A03G0543100	1.16381	1.13094	UP	UP
12776	TraesCS3A03G0543900	1.13371	0.78626	No	No
12777	TraesCS3A03G0544400	0.95637	0.91301	Down	Down
12778	TraesCS3A03G0544500	0.93502	1.17482	No	No
12779	TraesCS3A03G0545300	1.016	1.44416	UP	UP
12780	TraesCS3A03G0545500	0.6703	1.59842	No	No
12781	TraesCS3A03G0546000	0.57867	1.031	No	No
12782	TraesCS3A03G0546300	1.07077	0.82112	No	No
12783	TraesCS3A03G0546700	1.35156	1.75941	UP	UP
12784	TraesCS3A03G0547100	0.60447	1.43304	No	No
12785	TraesCS3A03G0547900	1.04243	0.5811	No	No
12786	TraesCS3A03G0548000	1.21985	0.8972	No	No
12787	TraesCS3A03G0548300	0.98218	0.48234	Down	Down
12790	TraesCS3A03G0549500	0.92023	0.41307	Down	Down
12792	TraesCS3A03G0550300	1.05064	1.38434	UP	UP
12794	TraesCS3A03G0552200	0.9188	0.81799	Down	Down
12795	TraesCS3A03G0552300	0.63699	2.25404	Down	Up
12796	TraesCS3A03G0552400	0.73329	1.21578	No	No
12797	TraesCS3A03G0552500	1.02359	1.4567	UP	UP
12799	TraesCS3A03G0553600	0.93236	0.99398	Down	Down

12800	TraesCS3A03G0553800	1.12948	0.72563	No	No
12802	TraesCS3A03G0554600	1.05127	0.77734	No	No
12804	TraesCS3A03G0555000	0.64386	1.16617	No	No
12805	TraesCS3A03G0555400	0.84992	0.50087	Down	Down
12807	TraesCS3A03G0556400	0.76682	1.66407	No	No
12808	TraesCS3A03G0556600	0.88769	3.00551	Down	Up
12809	TraesCS3A03G0557800	0.38527	5.49905	Down	Up
12810	TraesCS3A03G0558100	0.8821	2.89699	Down	Up
12812	TraesCS3A03G0558600	0.97256	0.94495	Down	Down
12814	TraesCS3A03G0561300	1.01749	0.95721	No	No
12815	TraesCS3A03G0561700	1.08028	1.11698	UP	UP
12816	TraesCS3A03G0562100	0.99125	1.99093	No	No
12818	TraesCS3A03G0563500	0.86344	1.93861	No	No
12819	TraesCS3A03G0563700	0.81775	0.58673	Down	Down
12822	TraesCS3A03G0564200	0.75242	0.3416	Down	Down
12823	TraesCS3A03G0564500	1.06795	0.66998	No	No
12824	TraesCS3A03G0566300	0.63253	4.21958	Down	Up
12825	TraesCS3A03G0566500	0.79867	1.1571	No	No
12826	TraesCS3A03G0566900	0.88447	1.17785	No	No
12827	TraesCS3A03G0567000	0.71194	2.17009	Down	Up
12828	TraesCS3A03G0567300	0.36462	1.86762	Down	Up
12831	TraesCS3A03G0569100	1.40345	0.79791	No	No
12833	TraesCS3A03G0569400	0.94079	1.19118	No	No
12834	TraesCS3A03G0569900	1.25205	1.10106	UP	UP
12835	TraesCS3A03G0571100	1.35525	0.53439	No	No
12837	TraesCS3A03G0572100	0.7319	1.11136	No	No
12838	TraesCS3A03G0572300	0.9483	0.4291	Down	Down
12840	TraesCS3A03G0573200	0.94199	0.80314	Down	Down
12841	TraesCS3A03G0573500	0.72927	1.28062	No	No
12842	TraesCS3A03G0573600	1.00041	2.51151	Up	Up
12843	TraesCS3A03G0573700	1.34825	1.37377	UP	UP
12844	TraesCS3A03G0574500	0.88112	1.98356	No	No
12845	TraesCS3A03G0575500	1.11131	1.32926	UP	UP
12848	TraesCS3A03G0577500	1.25301	1.00419	UP	UP
12849	TraesCS3A03G0578400	0.98901	0.61589	Down	Down
12850	TraesCS3A03G0578500	0.86367	1.12425	No	No
12851	TraesCS3A03G0579200	0.92076	0.97331	Down	Down
12852	TraesCS3A03G0579700	0.99166	0.89171	Down	Down
12853	TraesCS3A03G0579900	1.08104	0.44053	Up	Down
12854	TraesCS3A03G0580000	1.22117	0.9359	No	No
12855	TraesCS3A03G0580100	1.46305	0.89986	No	No
12857	TraesCS3A03G0580300	0.92101	1.12936	No	No
12858	TraesCS3A03G0581100	0.90326	0.99657	Down	Down
12859	TraesCS3A03G0581400	1.29059	1.01053	UP	UP
12861	TraesCS3A03G0582300	1.44938	1.15315	UP	UP
12862	TraesCS3A03G0583100	0.69795	1.26403	No	No
12863	TraesCS3A03G0583400	0.83456	0.71576	Down	Down
12864	TraesCS3A03G0583600	0.95644	0.50771	Down	Down
12866	TraesCS3A03G0583800	0.9038	1.36072	No	No
12867	TraesCS3A03G0584500	1.1288	1.11269	UP	UP
12869	TraesCS3A03G0584700	6.06233	0.66159	Up	Down
12870	TraesCS3A03G0585400	1.18785	1.395	UP	UP

12871	TraesCS3A03G0585600	2.89319	1.10382	Up	Up
12872	TraesCS3A03G0585600	1.50384	1.28195	UP	UP
12874	TraesCS3A03G0587100	0.73328	1.39536	No	No
12875	TraesCS3A03G0587200	0.78425	1.44721	No	No
12876	TraesCS3A03G0587900	0.92108	0.09168	Down	Down
12877	TraesCS3A03G0588200	1.1884	1.05838	UP	UP
12878	TraesCS3A03G0588300	0.75342	0.7286	Down	Down
12879	TraesCS3A03G0588300	0.73788	1.03736	No	No
12881	TraesCS3A03G0589100	1.41433	0.70541	No	No
12882	TraesCS3A03G0589200	2.06094	1.10573	Up	Up
12883	TraesCS3A03G0590600	0.87325	0.5579	Down	Down
12884	TraesCS3A03G0591500	0.80299	1.12411	No	No
12885	TraesCS3A03G0591600	1.00569	2.48895	Up	Up
12886	TraesCS3A03G0592200	0.99302	0.58996	Down	Down
12888	TraesCS3A03G0593100	1.05792	2.31164	Up	Up
12889	TraesCS3A03G0593600	1.01254	0.17315	Up	Down
12890	TraesCS3A03G0593600	1.0138	0.07479	Up	Down
12892	TraesCS3A03G0594100	1.11972	0.59769	No	No
12893	TraesCS3A03G0594200	0.85114	0.72491	Down	Down
12894	TraesCS3A03G0594500	0.85104	1.47771	No	No
12895	TraesCS3A03G0594600	0.81122	0.78584	Down	Down
12896	TraesCS3A03G0594700	1.04983	1.38297	UP	UP
12897	TraesCS3A03G0595500	0.45964	0.98929	Down	Down
12899	TraesCS3A03G0596000	0.52352	1.9649	No	No
12900	TraesCS3A03G0597200	1.87495	1.16459	UP	UP
12901	TraesCS3A03G0598800	1.46188	1.0619	UP	UP
12902	TraesCS3A03G0601600	1.07543	1.06212	UP	UP
12903	TraesCS3A03G0601900	0.65121	2.04256	Down	Up
12904	TraesCS3A03G0602700	0.02074	0.16154	Down	Down
12905	TraesCS3A03G0603100	0.78049	0.72873	Down	Down
12906	TraesCS3A03G0604500	1.1406	0.94684	No	No
12908	TraesCS3A03G0606000	1.09803	2.45353	Up	Up
12909	TraesCS3A03G0606100	1.42523	0.83221	No	No
12911	TraesCS3A03G0606800	1.03569	0.45366	Up	Down
12912	TraesCS3A03G0609400	1.09387	1.35025	UP	UP
12913	TraesCS3A03G0609600	0.79948	1.39096	No	No
12918	TraesCS3A03G0610300	1.34838	0.64371	No	No
12919	TraesCS3A03G0610400	1.18361	1.84893	UP	UP
12920	TraesCS3A03G0610500	1.05517	0.94414	No	No
12921	TraesCS3A03G0610900	0.93284	0.72263	Down	Down
12922	TraesCS3A03G0611500	0.94375	1.17438	No	No
12924	TraesCS3A03G0612400	0.94863	0.80693	Down	Down
12925	TraesCS3A03G0613500	1.18891	0.83567	No	No
12926	TraesCS3A03G0613600	0.88578	1.14358	No	No
12927	TraesCS3A03G0614100	0.91467	1.83721	No	No
12928	TraesCS3A03G0614700	0.59664	1.34846	No	No
12929	TraesCS3A03G0614800	0.95801	1.22749	No	No
12930	TraesCS3A03G0615800	1.11285	1.58716	UP	UP
12931	TraesCS3A03G0616200	0.83026	1.26425	No	No
12933	TraesCS3A03G0616700	1.48615	0.55489	No	No
12934	TraesCS3A03G0616800	1.66395	0.88009	No	No
12935	TraesCS3A03G0616900	0.71867	1.18265	No	No

12936	TraesCS3A03G0617200	1.2375	0.70166	No	No
12939	TraesCS3A03G0618800	0.88473	0.72376	Down	Down
12940	TraesCS3A03G0618900	1.12422	1.10038	UP	UP
12942	TraesCS3A03G0620300	1.49389	1.30429	UP	UP
12944	TraesCS3A03G0621800	0.93712	0.49945	Down	Down
12945	TraesCS3A03G0622100	1.00705	0.75931	No	No
12947	TraesCS3A03G0622800	0.82925	0.61122	Down	Down
12948	TraesCS3A03G0623300	1.53818	8.61032	Up	Up
12950	TraesCS3A03G0624100	0.88838	0.91244	Down	Down
12951	TraesCS3A03G0624300	1.93322	1.16206	UP	UP
12952	TraesCS3A03G0624700	0.82512	2.0358	Down	Up
12953	TraesCS3A03G0624800	1.0956	0.81255	No	No
12954	TraesCS3A03G0625200	0.73617	1.37623	No	No
12955	TraesCS3A03G0625400	1.53332	0.33901	Up	Down
12956	TraesCS3A03G0626900	0.89767	1.12818	No	No
12957	TraesCS3A03G0628000	1.66131	6.50148	Up	Up
12958	TraesCS3A03G0628400	2.53728	1.01867	Up	Up
12959	TraesCS3A03G0628600	1.29113	1.17102	UP	UP
12960	TraesCS3A03G0628900	1.12522	0.93759	No	No
12961	TraesCS3A03G0630400	0.72043	0.91889	Down	Down
12963	TraesCS3A03G0631500	0.86984	3.09226	Down	Up
12964	TraesCS3A03G0632100	0.78427	3.84992	Down	Up
12965	TraesCS3A03G0632100	0.85435	2.77774	Down	Up
12966	TraesCS3A03G0632400	0.91233	1.3627	No	No
12967	TraesCS3A03G0632800	1.4536	0.55727	No	No
12968	TraesCS3A03G0635500	0.95643	1.49132	No	No
12969	TraesCS3A03G0635600	1.0144	1.20862	UP	UP
12970	TraesCS3A03G0635800	0.72917	0.65468	Down	Down
12971	TraesCS3A03G0635800	0.87436	1.88535	No	No
12972	TraesCS3A03G0635900	0.82619	4.79478	Down	Up
12973	TraesCS3A03G0636600	1.16707	1.13343	UP	UP
12974	TraesCS3A03G0636700	0.8973	0.81741	Down	Down
12975	TraesCS3A03G0636900	0.68619	0.73536	Down	Down
12976	TraesCS3A03G0637100	0.98606	1.28848	No	No
12977	TraesCS3A03G0637300	0.93221	0.58196	Down	Down
12978	TraesCS3A03G0637600	0.88893	1.38364	No	No
12980	TraesCS3A03G0638800	0.9615	1.42079	No	No
12982	TraesCS3A03G0639600	0.71914	1.05408	No	No
12983	TraesCS3A03G0639700	1.25114	1.25395	UP	UP
12985	TraesCS3A03G0640400	0.87542	0.89291	Down	Down
12986	TraesCS3A03G0641300	0.90255	0.88367	Down	Down
12987	TraesCS3A03G0642900	1.37588	0.23149	Up	Down
12988	TraesCS3A03G0643600	0.7916	0.81695	Down	Down
12989	TraesCS3A03G0643700	1.09985	1.4115	UP	UP
12990	TraesCS3A03G0644100	1.18105	0.22326	Up	Down
12991	TraesCS3A03G0644200	0.79012	1.65684	No	No
12992	TraesCS3A03G0644600	0.81779	1.41022	No	No
12993	TraesCS3A03G0645000	0.59796	1.32765	No	No
12994	TraesCS3A03G0645400	0.88567	1.762	No	No
12995	TraesCS3A03G0646100	0.57368	0.75642	Down	Down
12996	TraesCS3A03G0646200	1.01805	1.86705	UP	UP
12997	TraesCS3A03G0646200	0.8539	1.04604	No	No

12998	TraesCS3A03G0646300	0.71272	1.18822	No	No
12999	TraesCS3A03G0646800	0.76255	1.01884	No	No
13000	TraesCS3A03G0646900	1.10499	1.16993	UP	UP
13001	TraesCS3A03G0646900	0.89734	0.83584	Down	Down
13002	TraesCS3A03G0648600	0.89255	1.22837	No	No
13003	TraesCS3A03G0649200	0.57603	1.6777	No	No
13004	TraesCS3A03G0649300	1.04059	1.92964	UP	UP
13005	TraesCS3A03G0649600	0.62624	0.47892	Down	Down
13006	TraesCS3A03G0650600	1.60498	0.64255	No	No
13007	TraesCS3A03G0650900	1.07833	0.73326	No	No
13008	TraesCS3A03G0651300	0.90148	1.69452	No	No
13009	TraesCS3A03G0651900	1.00257	0.63413	No	No
13011	TraesCS3A03G0654100	1.77474	1.01037	UP	UP
13012	TraesCS3A03G0654100	1.32685	0.53865	No	No
13013	TraesCS3A03G0654500	0.80949	0.42327	Down	Down
13014	TraesCS3A03G0654600	1.5513	0.35712	Up	Down
13016	TraesCS3A03G0655800	1.37362	0.86968	No	No
13019	TraesCS3A03G0656700	0.92093	0.22456	Down	Down
13021	TraesCS3A03G0657200	2.29279	2.67653	UP	UP
13022	TraesCS3A03G0657200	0.97352	0.74106	Down	Down
13023	TraesCS3A03G0657500	0.68953	0.75114	Down	Down
13024	TraesCS3A03G0658700	1.1809	0.55818	No	No
13027	TraesCS3A03G0659600	1.61781	3.16238	Up	Up
13028	TraesCS3A03G0659600	1.07347	4.09251	Up	Up
13029	TraesCS3A03G0660000	1.67987	1.44196	UP	UP
13030	TraesCS3A03G0660200	1.47044	0.71868	No	No
13031	TraesCS3A03G0660300	0.99412	0.74581	Down	Down
13032	TraesCS3A03G0660400	0.91306	1.78857	No	No
13033	TraesCS3A03G0660800	1.42639	0.63217	No	No
13034	TraesCS3A03G0661500	0.99921	0.92208	Down	Down
13035	TraesCS3A03G0662200	0.85472	1.30328	No	No
13037	TraesCS3A03G0662600	0.74524	0.43381	Down	Down
13038	TraesCS3A03G0663100	0.84869	2.32344	Down	Up
13041	TraesCS3A03G0664400	0.88416	1.8614	No	No
13042	TraesCS3A03G0664500	0.89056	0.89033	Down	Down
13043	TraesCS3A03G0664600	1.34067	0.23541	Up	Down
13044	TraesCS3A03G0665000	1.12456	1.20388	UP	UP
13045	TraesCS3A03G0665800	0.92123	1.16962	No	No
13046	TraesCS3A03G0666000	0.89012	1.21295	No	No
13047	TraesCS3A03G0666300	0.64281	1.12201	No	No
13048	TraesCS3A03G0666300	2.01212	0.96857	Up	Down
13049	TraesCS3A03G0666700	1.39695	1.77678	UP	UP
13050	TraesCS3A03G0666700	1.15605	5.15826	Up	Up
13051	TraesCS3A03G0667000	0.50567	11.8947	Down	Up
13052	TraesCS3A03G0667100	0.4565	2.76609	Down	Up
13053	TraesCS3A03G0667100	1.10918	18.7078	Up	Up
13054	TraesCS3A03G0667200	1.20545	0.95103	No	No
13055	TraesCS3A03G0667500	1.56207	0.87488	No	No
13057	TraesCS3A03G0667900	1.0729	0.46898	Up	Down
13058	TraesCS3A03G0668400	1.08828	1.49428	UP	UP
13059	TraesCS3A03G0669600	0.85095	1.89694	No	No
13060	TraesCS3A03G0669800	0.67999	0.73542	Down	Down

13062	TraesCS3A03G0670300	0.60909	1.13186	No	No
13063	TraesCS3A03G0670500	1.03019	2.05268	Up	Up
13064	TraesCS3A03G0671500	0.72424	1.01598	No	No
13065	TraesCS3A03G0673100	1.08351	0.90583	No	No
13066	TraesCS3A03G0673200	0.91157	3.68981	Down	Up
13067	TraesCS3A03G0674900	1.1487	1.26498	UP	UP
13068	TraesCS3A03G0675200	1.11531	0.37457	Up	Down
13069	TraesCS3A03G0675500	0.81697	1.94405	No	No
13070	TraesCS3A03G0675600	0.98662	1.21945	No	No
13071	TraesCS3A03G0675900	0.84857	1.35595	No	No
13072	TraesCS3A03G0676000	0.38461	9.05603	Down	Up
13073	TraesCS3A03G0676100	0.9979	0.88705	Down	Down
13074	TraesCS3A03G0676200	0.84516	1.36935	No	No
13075	TraesCS3A03G0676500	0.83765	1.57462	No	No
13076	TraesCS3A03G0677300	1.03385	1.32444	UP	UP
13077	TraesCS3A03G0678000	0.80927	1.47494	No	No
13078	TraesCS3A03G0678200	1.21479	0.88452	No	No
13079	TraesCS3A03G0679200	1.46958	0.88923	No	No
13080	TraesCS3A03G0680400	0.71176	1.54802	No	No
13081	TraesCS3A03G0680500	1.102	2.0506	Up	Up
13082	TraesCS3A03G0681000	0.88692	1.09336	No	No
13083	TraesCS3A03G0681200	1.08881	2.81548	Up	Up
13084	TraesCS3A03G0681600	0.72868	0.37148	Down	Down
13085	TraesCS3A03G0681900	0.6347	1.53564	No	No
13086	TraesCS3A03G0682300	0.6588	6.4836	Down	Up
13087	TraesCS3A03G0684300	1.00328	0.52026	No	No
13088	TraesCS3A03G0684500	0.61116	0.8904	Down	Down
13089	TraesCS3A03G0684800	1.0648	1.81876	UP	UP
13090	TraesCS3A03G0685300	1.14267	1.127	UP	UP
13091	TraesCS3A03G0685600	0.838	2.26552	Down	Up
13092	TraesCS3A03G0685700	1.20957	0.61434	No	No
13093	TraesCS3A03G0686200	0.74191	3.01364	Down	Up
13094	TraesCS3A03G0686300	0.5257	3.95572	Down	Up
13095	TraesCS3A03G0686500	1.0264	0.87276	No	No
13096	TraesCS3A03G0686600	1.09317	0.68538	No	No
13098	TraesCS3A03G0689300	1.24727	0.36913	Up	Down
13099	TraesCS3A03G0689400	0.89017	0.48673	Down	Down
13100	TraesCS3A03G0689500	1.06244	3.0524	Up	Up
13101	TraesCS3A03G0689600	1.2987	1.86795	UP	UP
13102	TraesCS3A03G0689700	0.85129	1.75278	No	No
13103	TraesCS3A03G0690000	1.00476	1.4165	UP	UP
13104	TraesCS3A03G0690100	1.15525	1.65312	UP	UP
13105	TraesCS3A03G0690300	0.78637	0.4821	Down	Down
13106	TraesCS3A03G0690400	1.33548	1.70986	UP	UP
13108	TraesCS3A03G0690900	0.94277	4.15065	Down	Up
13109	TraesCS3A03G0691400	0.58535	1.55503	No	No
13110	TraesCS3A03G0692300	0.84827	2.82929	Down	Up
13111	TraesCS3A03G0692600	0.64135	1.03504	No	No
13112	TraesCS3A03G0693700	0.90097	2.33861	Down	Up
13113	TraesCS3A03G0694800	1.35738	1.42153	UP	UP
13114	TraesCS3A03G0694900	0.84341	1.7988	No	No
13115	TraesCS3A03G0695400	1.28168	1.9059	UP	UP

13116	TraesCS3A03G0695500	1.24588	1.48639	UP	UP
13117	TraesCS3A03G0696200	1.17116	1.38159	UP	UP
13118	TraesCS3A03G0696400	0.84261	0.4908	Down	Down
13119	TraesCS3A03G0697200	0.83369	1.02529	No	No
13120	TraesCS3A03G0697500	1.03538	0.5657	No	No
13121	TraesCS3A03G0698500	1.42254	2.4458	Up	Up
13124	TraesCS3A03G0698900	0.79204	0.7857	Down	Down
13125	TraesCS3A03G0699600	1.13402	1.42514	UP	UP
13127	TraesCS3A03G0699800	1.90842	2.01691	UP	UP
13128	TraesCS3A03G0700500	1.31182	3.05998	Up	Up
13129	TraesCS3A03G0700600	1.37089	1.90498	UP	UP
13130	TraesCS3A03G0700700	0.92502	0.55074	Down	Down
13131	TraesCS3A03G0700900	0.81659	0.82795	Down	Down
13132	TraesCS3A03G0701300	1.46491	0.73236	No	No
13133	TraesCS3A03G0702300	0.81885	2.14925	Down	Up
13134	TraesCS3A03G0702500	0.93192	1.21863	No	No
13135	TraesCS3A03G0702900	0.77224	1.26238	No	No
13137	TraesCS3A03G0705600	1.97039	1.66477	UP	UP
13138	TraesCS3A03G0705800	0.19759	0.28973	Down	Down
13139	TraesCS3A03G0706900	1.57834	1.17631	UP	UP
13140	TraesCS3A03G0707000	0.8924	1.6945	No	No
13141	TraesCS3A03G0707100	0.88773	0.56397	Down	Down
13142	TraesCS3A03G0707200	0.78851	2.38397	Down	Up
13143	TraesCS3A03G0707400	0.85161	0.20792	Down	Down
13144	TraesCS3A03G0707800	1.35267	0.41207	Up	Down
13145	TraesCS3A03G0708100	1.07315	1.12702	UP	UP
13146	TraesCS3A03G0708200	1.36125	2.24493	Up	Up
13147	TraesCS3A03G0708400	1.04729	0.96109	No	No
13148	TraesCS3A03G0708800	0.94858	2.96626	Down	Up
13149	TraesCS3A03G0708900	1.41453	2.92188	Up	Up
13150	TraesCS3A03G0708900	0.8931	0.75428	Down	Down
13151	TraesCS3A03G0709200	0.71288	1.0731	No	No
13153	TraesCS3A03G0710500	1.3173	0.8035	No	No
13154	TraesCS3A03G0710800	0.85283	10.1301	Down	Up
13155	TraesCS3A03G0710900	1.34996	1.43765	UP	UP
13156	TraesCS3A03G0712100	1.48512	0.31036	Up	Down
13157	TraesCS3A03G0712100	1.46804	0.37245	Up	Down
13158	TraesCS3A03G0713700	0.96989	1.24187	No	No
13159	TraesCS3A03G0714000	1.23943	1.39753	UP	UP
13160	TraesCS3A03G0715100	1.14218	1.08026	UP	UP
13161	TraesCS3A03G0716200	1.06613	1.04757	UP	UP
13162	TraesCS3A03G0716500	0.90206	1.28403	No	No
13163	TraesCS3A03G0717000	1.67195	1.42603	UP	UP
13165	TraesCS3A03G0717500	0.99016	0.55876	Down	Down
13166	TraesCS3A03G0718000	0.94359	0.85687	Down	Down
13167	TraesCS3A03G0719400	0.58832	1.20993	No	No
13168	TraesCS3A03G0719400	0.9419	0.29804	Down	Down
13169	TraesCS3A03G0719400	2.2506	0.23585	Up	Down
13170	TraesCS3A03G0719400	0.49529	0.2707	Down	Down
13171	TraesCS3A03G0719500	1.83468	0.57561	No	No
13172	TraesCS3A03G0720500	1.27002	1.32185	UP	UP
13173	TraesCS3A03G0720500	1.49599	1.97154	UP	UP

13174	TraesCS3A03G0721000	1.42905	0.6089	No	No
13175	TraesCS3A03G0721100	1.25495	0.69365	No	No
13176	TraesCS3A03G0721700	1.1074	2.38069	Up	Up
13177	TraesCS3A03G0721800	0.91321	1.77179	No	No
13178	TraesCS3A03G0722700	1.11961	1.59304	UP	UP
13179	TraesCS3A03G0723400	1.02187	1.50763	UP	UP
13181	TraesCS3A03G0723900	0.56552	2.03504	Down	Up
13182	TraesCS3A03G0724200	0.72992	0.93018	Down	Down
13183	TraesCS3A03G0724600	1.05222	1.00385	UP	UP
13184	TraesCS3A03G0724700	0.69943	2.90651	Down	Up
13185	TraesCS3A03G0725600	0.66793	1.83563	No	No
13186	TraesCS3A03G0725900	0.91415	1.75753	No	No
13187	TraesCS3A03G0726000	0.94231	1.19459	No	No
13188	TraesCS3A03G0726300	0.98911	1.32588	No	No
13189	TraesCS3A03G0726300	0.72976	1.66777	No	No
13190	TraesCS3A03G0726400	0.91483	0.76052	Down	Down
13191	TraesCS3A03G0726600	0.81679	0.72568	Down	Down
13192	TraesCS3A03G0726800	1.2704	1.19267	UP	UP
13195	TraesCS3A03G0727800	1.23637	1.16095	UP	UP
13196	TraesCS3A03G0728000	0.8787	1.10822	No	No
13197	TraesCS3A03G0728700	1.3578	1.09507	UP	UP
13199	TraesCS3A03G0730900	1.25074	3.22505	Up	Up
13200	TraesCS3A03G0731800	1.12732	1.41755	UP	UP
13201	TraesCS3A03G0732900	0.92056	1.31706	No	No
13202	TraesCS3A03G0733000	0.73531	1.91531	No	No
13203	TraesCS3A03G0733900	1.3078	1.06012	UP	UP
13204	TraesCS3A03G0734500	1.31209	0.39203	Up	Down
13205	TraesCS3A03G0735600	0.71772	1.83009	No	No
13206	TraesCS3A03G0735700	0.84467	1.6778	No	No
13208	TraesCS3A03G0736500	1.57548	0.37545	Up	Down
13209	TraesCS3A03G0736900	0.69662	1.09019	No	No
13210	TraesCS3A03G0737300	1.10988	1.27456	UP	UP
13214	TraesCS3A03G0738200	0.84941	1.03837	No	No
13215	TraesCS3A03G0738500	1.20522	0.57386	No	No
13216	TraesCS3A03G0738800	1.65052	0.64992	No	No
13220	TraesCS3A03G0739600	0.93035	1.6641	No	No
13221	TraesCS3A03G0740400	1.29106	0.61209	No	No
13222	TraesCS3A03G0741000	1.22636	0.41707	Up	Down
13223	TraesCS3A03G0741500	1.22512	1.44518	UP	UP
13224	TraesCS3A03G0741600	0.88396	1.17834	No	No
13225	TraesCS3A03G0741700	2.01425	0.89062	Up	Down
13226	TraesCS3A03G0741800	1.31689	0.29906	Up	Down
13227	TraesCS3A03G0741900	0.893	1.71193	No	No
13228	TraesCS3A03G0742300	0.30905	7.38381	Down	Up
13229	TraesCS3A03G0742600	0.77004	0.88337	Down	Down
13230	TraesCS3A03G0743300	0.652	1.27433	No	No
13231	TraesCS3A03G0743500	0.95124	1.24375	No	No
13233	TraesCS3A03G0743800	0.79681	1.95868	No	No
13234	TraesCS3A03G0745300	1.11648	2.0316	Up	Up
13235	TraesCS3A03G0745700	1.00127	1.50816	UP	UP
13236	TraesCS3A03G0746300	0.75984	1.76577	No	No
13237	TraesCS3A03G0746500	0.9735	0.4049	Down	Down

13238	TraesCS3A03G0746600	0.39907	1.66166	Down	Up
13239	TraesCS3A03G0747100	3.88603	0.61982	Up	Down
13240	TraesCS3A03G0749600	0.80551	1.21605	No	No
13241	TraesCS3A03G0750300	1.58047	0.72676	No	No
13242	TraesCS3A03G0750700	1.1434	1.17452	UP	UP
13244	TraesCS3A03G0751200	0.71479	2.7146	Down	Up
13245	TraesCS3A03G0751500	0.67536	0.75087	Down	Down
13246	TraesCS3A03G0751600	0.72606	1.25353	No	No
13247	TraesCS3A03G0752300	0.96568	0.53498	Down	Down
13248	TraesCS3A03G0754100	0.87314	2.2955	Down	Up
13249	TraesCS3A03G0754400	1.19337	0.63101	No	No
13251	TraesCS3A03G0756300	0.82494	2.21861	Down	Up
13252	TraesCS3A03G0756600	0.93193	0.9447	Down	Down
13253	TraesCS3A03G0757000	1.0009	2.31644	Up	Up
13254	TraesCS3A03G0757100	0.38026	0.49358	Down	Down
13255	TraesCS3A03G0757200	0.75265	1.33801	No	No
13256	TraesCS3A03G0757300	0.92256	0.57358	Down	Down
13257	TraesCS3A03G0758500	0.65229	2.34831	Down	Up
13258	TraesCS3A03G0759400	1.12895	1.60162	UP	UP
13259	TraesCS3A03G0759900	1.73556	0.89515	No	No
13260	TraesCS3A03G0760000	1.07666	1.736	UP	UP
13261	TraesCS3A03G0760000	0.95117	0.92995	Down	Down
13262	TraesCS3A03G0761000	0.7338	1.16683	No	No
13263	TraesCS3A03G0761400	1.29901	0.80292	No	No
13264	TraesCS3A03G0761800	1.40118	1.37098	UP	UP
13265	TraesCS3A03G0762000	0.73721	0.6069	Down	Down
13266	TraesCS3A03G0762100	0.93661	3.93345	Down	Up
13268	TraesCS3A03G0762400	0.97756	0.27699	Down	Down
13269	TraesCS3A03G0762500	0.92687	0.20289	Down	Down
13270	TraesCS3A03G0763300	0.5935	1.62543	No	No
13271	TraesCS3A03G0763400	0.99497	0.99664	Down	Down
13272	TraesCS3A03G0763500	1.13744	0.8431	No	No
13274	TraesCS3A03G0764500	1.02703	1.16598	UP	UP
13275	TraesCS3A03G0764800	0.88171	0.85245	Down	Down
13276	TraesCS3A03G0766100	1.25859	2.441	Up	Up
13278	TraesCS3A03G0766900	0.89286	1.83832	No	No
13279	TraesCS3A03G0767100	1.40381	1.22414	UP	UP
13280	TraesCS3A03G0768600	1.07029	0.84669	No	No
13281	TraesCS3A03G0768700	0.37366	1.24465	Down	Up
13282	TraesCS3A03G0769200	1.01796	1.62923	UP	UP
13283	TraesCS3A03G0770300	1.23487	1.14751	UP	UP
13284	TraesCS3A03G0770400	0.99504	0.53261	Down	Down
13285	TraesCS3A03G0771200	0.81501	0.84331	Down	Down
13286	TraesCS3A03G0771300	0.47095	1.1654	Down	Up
13287	TraesCS3A03G0772200	0.99596	0.88192	Down	Down
13288	TraesCS3A03G0772300	0.79725	3.30623	Down	Up
13289	TraesCS3A03G0773100	0.45506	0.99019	Down	Down
13290	TraesCS3A03G0773800	2.22541	0.91848	Up	Down
13291	TraesCS3A03G0773900	0.62784	0.69093	Down	Down
13292	TraesCS3A03G0775300	0.5759	1.88023	No	No
13293	TraesCS3A03G0775500	1.07122	1.30622	UP	UP
13294	TraesCS3A03G0776000	0.91321	5.73305	Down	Up

13295	TraesCS3A03G0776800	0.64235	1.77408	No	No
13296	TraesCS3A03G0777700	0.9467	2.65009	Down	Up
13297	TraesCS3A03G0777900	1.10823	1.0501	UP	UP
13298	TraesCS3A03G0779700	0.78895	0.58618	Down	Down
13299	TraesCS3A03G0779800	1.30495	1.00471	UP	UP
13300	TraesCS3A03G0781700	0.59768	0.38007	Down	Down
13301	TraesCS3A03G0783400	1.30573	0.96334	No	No
13302	TraesCS3A03G0783900	0.82109	2.16121	Down	Up
13303	TraesCS3A03G0784300	1.04369	2.54023	Up	Up
13304	TraesCS3A03G0784300	1.81398	0.32252	Up	Down
13305	TraesCS3A03G0784700	2.04743	3.53459	Up	Up
13306	TraesCS3A03G0785200	1.12837	1.33968	UP	UP
13307	TraesCS3A03G0785600	0.7766	4.25864	Down	Up
13310	TraesCS3A03G0786300	1.01216	2.24632	Up	Up
13311	TraesCS3A03G0786400	0.8782	0.70847	Down	Down
13312	TraesCS3A03G0787100	1.19745	4.70171	Up	Up
13313	TraesCS3A03G0787800	0.95669	0.83435	Down	Down
13314	TraesCS3A03G0788000	1.10479	0.4253	Up	Down
13315	TraesCS3A03G0788300	0.66195	3.42174	Down	Up
13316	TraesCS3A03G0789300	0.9317	0.92266	Down	Down
13318	TraesCS3A03G0789900	0.74369	0.71611	Down	Down
13319	TraesCS3A03G0790000	1.51679	0.93015	No	No
13320	TraesCS3A03G0790100	1.10592	0.8454	No	No
13321	TraesCS3A03G0790200	0.4935	0.59834	Down	Down
13322	TraesCS3A03G0791700	0.8199	1.3354	No	No
13323	TraesCS3A03G0791800	1.10771	1.04407	UP	UP
13324	TraesCS3A03G0792500	0.75817	1.05539	No	No
13325	TraesCS3A03G0792700	0.74464	0.68654	Down	Down
13326	TraesCS3A03G0792900	1.06199	0.66192	No	No
13327	TraesCS3A03G0793000	0.6738	1.75213	No	No
13328	TraesCS3A03G0793100	0.7883	0.5486	Down	Down
13330	TraesCS3A03G0793800	0.52691	1.74927	No	No
13331	TraesCS3A03G0794000	0.58355	0.68666	Down	Down
13332	TraesCS3A03G0794200	1.08403	0.99886	No	No
13333	TraesCS3A03G0795100	0.8747	0.43032	Down	Down
13334	TraesCS3A03G0795400	1.27494	0.52556	No	No
13335	TraesCS3A03G0795500	0.75054	0.19886	Down	Down
13336	TraesCS3A03G0795700	2.66993	1.76035	Up	Up
13338	TraesCS3A03G0796500	1.1571	0.51316	No	No
13339	TraesCS3A03G0796700	1.19229	0.93757	No	No
13340	TraesCS3A03G0796800	0.77761	1.75798	No	No
13341	TraesCS3A03G0797300	1.04762	0.7574	No	No
13342	TraesCS3A03G0798400	0.8835	1.32509	No	No
13343	TraesCS3A03G0799000	1.27325	1.50988	UP	UP
13344	TraesCS3A03G0799100	1.13724	0.81866	No	No
13345	TraesCS3A03G0799900	0.91004	0.98174	Down	Down
13346	TraesCS3A03G0799900	1.28138	1.21224	UP	UP
13347	TraesCS3A03G0800100	0.91207	0.46135	Down	Down
13349	TraesCS3A03G0800800	0.91169	1.27658	No	No
13350	TraesCS3A03G0800900	1.28248	1.87849	UP	UP
13351	TraesCS3A03G0801000	0.82735	1.47681	No	No
13352	TraesCS3A03G0801100	0.96249	0.55681	Down	Down

13353	TraesCS3A03G0801300	1.02042	0.53859	No	No
13354	TraesCS3A03G0801400	0.73935	0.52888	Down	Down
13355	TraesCS3A03G0801900	1.25947	1.73136	UP	UP
13358	TraesCS3A03G0804600	0.83965	1.04842	No	No
13359	TraesCS3A03G0804700	1.06383	1.20224	UP	UP
13361	TraesCS3A03G0805300	1.15713	2.6122	Up	Up
13362	TraesCS3A03G0806000	0.66478	2.67618	Down	Up
13363	TraesCS3A03G0807000	0.45205	0.64427	Down	Down
13364	TraesCS3A03G0807400	0.82919	2.15348	Down	Up
13365	TraesCS3A03G0807600	0.72037	1.23393	No	No
13366	TraesCS3A03G0809000	0.90088	0.85364	Down	Down
13367	TraesCS3A03G0809100	0.81134	0.73268	Down	Down
13368	TraesCS3A03G0809200	1.02892	0.3963	Up	Down
13369	TraesCS3A03G0809600	1.07498	2.35454	Up	Up
13370	TraesCS3A03G0809700	1.21835	0.43596	Up	Down
13371	TraesCS3A03G0810000	1.03094	0.50003	No	No
13373	TraesCS3A03G0810300	1.08596	0.93613	No	No
13374	TraesCS3A03G0810600	1.27828	1.60238	UP	UP
13375	TraesCS3A03G0810900	1.84296	1.07433	UP	UP
13378	TraesCS3A03G0811600	1.23287	0.51671	No	No
13379	TraesCS3A03G0811800	0.55558	1.60492	No	No
13380	TraesCS3A03G0812200	1.10861	2.52502	Up	Up
13381	TraesCS3A03G0812600	1.08963	1.13771	UP	UP
13386	TraesCS3A03G0814700	0.93137	0.9907	Down	Down
13387	TraesCS3A03G0815400	1.12546	1.08141	UP	UP
13388	TraesCS3A03G0815600	2.05769	0.57094	Up	Down
13389	TraesCS3A03G0815700	0.8084	0.58929	Down	Down
13390	TraesCS3A03G0816200	0.97777	1.41975	No	No
13391	TraesCS3A03G0816700	0.47862	2.28011	Down	Up
13392	TraesCS3A03G0817200	1.06968	1.10521	UP	UP
13393	TraesCS3A03G0817800	0.73369	1.21329	No	No
13394	TraesCS3A03G0817800	1.43212	4.49706	Up	Up
13396	TraesCS3A03G0818700	0.97103	1.4493	No	No
13397	TraesCS3A03G0818800	0.38856	1.49418	Down	Up
13398	TraesCS3A03G0819600	2.51623	1.09262	Up	Up
13399	TraesCS3A03G0820100	1.21162	1.2407	UP	UP
13401	TraesCS3A03G0822900	0.87306	1.09956	No	No
13402	TraesCS3A03G0823000	1.00305	1.25036	UP	UP
13403	TraesCS3A03G0823700	1.35431	2.10298	Up	Up
13404	TraesCS3A03G0823800	0.92438	1.70199	No	No
13405	TraesCS3A03G0824000	0.9525	0.78182	Down	Down
13406	TraesCS3A03G0826700	0.80142	1.41563	No	No
13407	TraesCS3A03G0827700	0.95045	0.32573	Down	Down
13408	TraesCS3A03G0828800	1.0194	0.53088	No	No
13409	TraesCS3A03G0828900	2.69457	1.34516	Up	Up
13410	TraesCS3A03G0830000	1.13785	0.58703	No	No
13411	TraesCS3A03G0830600	1.70502	4.00474	Up	Up
13412	TraesCS3A03G0830700	1.18448	2.2784	Up	Up
13413	TraesCS3A03G0830900	1.35882	6.24173	Up	Up
13414	TraesCS3A03G0831300	0.76093	1.33563	No	No
13415	TraesCS3A03G0831500	0.6567	1.07726	No	No
13416	TraesCS3A03G0832300	1.59122	1.44032	UP	UP

13417	TraesCS3A03G0832400	0.28688	3.36748	Down	Up
13419	TraesCS3A03G0833200	0.72348	0.60991	Down	Down
13420	TraesCS3A03G0834800	1.06046	0.50075	No	No
13421	TraesCS3A03G0834900	1.66683	0.33374	Up	Down
13422	TraesCS3A03G0835000	0.88466	1.27074	No	No
13423	TraesCS3A03G0836100	0.57657	0.50611	Down	Down
13424	TraesCS3A03G0836100	1.01427	1.60462	UP	UP
13425	TraesCS3A03G0836400	0.78229	2.21545	Down	Up
13426	TraesCS3A03G0837300	1.28802	2.02062	Up	Up
13427	TraesCS3A03G0837300	0.85005	1.91506	No	No
13428	TraesCS3A03G0837800	0.75513	1.44696	No	No
13429	TraesCS3A03G0838000	1.02149	1.2327	UP	UP
13430	TraesCS3A03G0838600	0.93514	0.47777	Down	Down
13431	TraesCS3A03G0838800	1.41989	1.04779	UP	UP
13432	TraesCS3A03G0839200	0.66374	1.66757	No	No
13433	TraesCS3A03G0839600	1.23432	0.8105	No	No
13434	TraesCS3A03G0840500	0.90292	2.98586	Down	Up
13435	TraesCS3A03G0840600	1.24198	0.99599	No	No
13436	TraesCS3A03G0840700	0.79686	1.75301	No	No
13437	TraesCS3A03G0840900	0.96512	1.08025	No	No
13438	TraesCS3A03G0841000	0.6466	1.85815	No	No
13439	TraesCS3A03G0842100	0.78312	1.01907	No	No
13440	TraesCS3A03G0842200	0.91346	1.47119	No	No
13441	TraesCS3A03G0842600	1.04382	1.36617	UP	UP
13442	TraesCS3A03G0843500	1.47069	1.37416	UP	UP
13444	TraesCS3A03G0844500	0.67828	1.77172	No	No
13445	TraesCS3A03G0844700	0.99172	2.90585	Down	Up
13446	TraesCS3A03G0845100	0.72383	1.66422	No	No
13447	TraesCS3A03G0845500	1.11481	0.18458	Up	Down
13448	TraesCS3A03G0845500	1.0656	1.02504	UP	UP
13449	TraesCS3A03G0845900	0.71633	0.78833	Down	Down
13450	TraesCS3A03G0846100	0.74486	1.75149	No	No
13451	TraesCS3A03G0846200	0.82683	1.75583	No	No
13452	TraesCS3A03G0846900	0.68408	1.18659	No	No
13453	TraesCS3A03G0847100	1.0103	0.73598	No	No
13454	TraesCS3A03G0848200	0.39677	6.80889	Down	Up
13455	TraesCS3A03G0849900	0.62355	1.42143	No	No
13457	TraesCS3A03G0851000	0.9493	1.17193	No	No
13458	TraesCS3A03G0852000	1.40075	1.32347	UP	UP
13459	TraesCS3A03G0853000	0.68869	1.0956	No	No
13460	TraesCS3A03G0853100	0.58385	4.66057	Down	Up
13461	TraesCS3A03G0853700	1.11279	2.14338	Up	Up
13462	TraesCS3A03G0854100	1.14948	0.82022	No	No
13463	TraesCS3A03G0855600	1.16382	0.47897	Up	Down
13468	TraesCS3A03G0856000	0.86503	0.52095	Down	Down
13469	TraesCS3A03G0856400	1.64134	0.41282	Up	Down
13470	TraesCS3A03G0856900	0.85352	0.01689	Down	Down
13472	TraesCS3A03G0858400	1.36647	1.33483	UP	UP
13475	TraesCS3A03G0859300	1.07932	0.9653	No	No
13476	TraesCS3A03G0859400	0.86693	0.1718	Down	Down
13477	TraesCS3A03G0859800	0.38982	3.4462	Down	Up
13478	TraesCS3A03G0860100	0.58497	0.42991	Down	Down

13479	TraesCS3A03G0860600	0.92768	2.26803	Down	Up
13480	TraesCS3A03G0861500	1.64388	1.13702	UP	UP
13483	TraesCS3A03G0863600	0.64613	1.54006	No	No
13484	TraesCS3A03G0863800	0.74264	1.07127	No	No
13485	TraesCS3A03G0863900	1.02388	1.94637	UP	UP
13486	TraesCS3A03G0864400	2.12372	0.35222	Up	Down
13487	TraesCS3A03G0864700	0.85763	0.24822	Down	Down
13488	TraesCS3A03G0865200	1.84268	0.62166	No	No
13489	TraesCS3A03G0865800	1.44884	0.30769	Up	Down
13490	TraesCS3A03G0865900	0.39848	2.64012	Down	Up
13492	TraesCS3A03G0866200	2.97599	0.69045	Up	Down
13493	TraesCS3A03G0866900	0.83682	1.20526	No	No
13496	TraesCS3A03G0868800	0.59731	3.05926	Down	Up
13497	TraesCS3A03G0868900	0.59157	0.45331	Down	Down
13498	TraesCS3A03G0869200	1.44016	0.99786	No	No
13499	TraesCS3A03G0869500	0.98093	1.51176	No	No
13500	TraesCS3A03G0869600	1.16567	0.77652	No	No
13501	TraesCS3A03G0869800	0.84116	2.2708	Down	Up
13502	TraesCS3A03G0870000	0.68143	1.18126	No	No
13503	TraesCS3A03G0870600	0.8689	0.41706	Down	Down
13504	TraesCS3A03G0870900	1.15308	0.68435	No	No
13505	TraesCS3A03G0871600	1.02414	0.47108	Up	Down
13506	TraesCS3A03G0871700	1.01455	1.16119	UP	UP
13507	TraesCS3A03G0871800	1.01699	1.23371	UP	UP
13508	TraesCS3A03G0872100	1.01042	0.61086	No	No
13509	TraesCS3A03G0872200	1.35361	0.32041	Up	Down
13510	TraesCS3A03G0872300	0.57729	1.38541	No	No
13511	TraesCS3A03G0872500	0.73197	1.26084	No	No
13512	TraesCS3A03G0872800	0.25297	0.31728	Down	Down
13513	TraesCS3A03G0875300	1.15036	6.27017	Up	Up
13514	TraesCS3A03G0876000	0.85863	1.18811	No	No
13515	TraesCS3A03G0876100	0.83228	0.96343	Down	Down
13516	TraesCS3A03G0876500	1.44703	1.9241	UP	UP
13517	TraesCS3A03G0876700	0.98517	1.3281	No	No
13518	TraesCS3A03G0877000	0.79201	3.1539	Down	Up
13519	TraesCS3A03G0877200	1.22144	0.15221	Up	Down
13520	TraesCS3A03G0877300	1.38731	2.35549	Up	Up
13521	TraesCS3A03G0877300	1.29848	0.68344	No	No
13522	TraesCS3A03G0877700	1.34591	0.6862	No	No
13523	TraesCS3A03G0877800	1.67123	1.13121	UP	UP
13524	TraesCS3A03G0878500	0.88264	1.75208	No	No
13525	TraesCS3A03G0878900	1.95051	1.67314	UP	UP
13526	TraesCS3A03G0878900	1.1435	0.80426	No	No
13527	TraesCS3A03G0879400	0.9989	0.95708	Down	Down
13528	TraesCS3A03G0879500	0.60449	2.18363	Down	Up
13530	TraesCS3A03G0879800	1.79386	0.9268	No	No
13532	TraesCS3A03G0881100	1.28574	1.07685	UP	UP
13533	TraesCS3A03G0881700	1.1898	1.29654	UP	UP
13534	TraesCS3A03G0881900	0.65526	1.93743	No	No
13535	TraesCS3A03G0883000	1.14727	1.18163	UP	UP
13536	TraesCS3A03G0883300	2.24724	4.71972	Up	Up
13537	TraesCS3A03G0883700	1.20984	3.30574	Up	Up

13538	TraesCS3A03G0884900	0.81874	1.21253	No	No
13539	TraesCS3A03G0885000	1.4356	1.45313	UP	UP
13540	TraesCS3A03G0885200	1.27853	0.81319	No	No
13541	TraesCS3A03G0885700	1.19554	2.46568	Up	Up
13542	TraesCS3A03G0886100	1.31152	0.16543	Up	Down
13543	TraesCS3A03G0886200	0.92319	1.81439	No	No
13545	TraesCS3A03G0886600	1.05407	13.313	Up	Up
13546	TraesCS3A03G0887000	0.86677	0.88367	Down	Down
13547	TraesCS3A03G0887700	0.70708	4.45767	Down	Up
13548	TraesCS3A03G0888400	1.24807	0.70105	No	No
13550	TraesCS3A03G0889200	1.14454	0.31057	Up	Down
13551	TraesCS3A03G0889500	1.22662	0.64015	No	No
13555	TraesCS3A03G0891600	0.80142	1.69732	No	No
13556	TraesCS3A03G0891900	0.83166	1.58015	No	No
13557	TraesCS3A03G0892000	1.17007	0.23033	Up	Down
13558	TraesCS3A03G0892500	1.01998	1.19341	UP	UP
13559	TraesCS3A03G0893100	0.84437	1.21307	No	No
13560	TraesCS3A03G0893400	1.10298	1.10563	UP	UP
13561	TraesCS3A03G0893500	1.00957	1.18927	UP	UP
13562	TraesCS3A03G0894600	1.15438	1.34815	UP	UP
13563	TraesCS3A03G0895200	1.01134	1.17941	UP	UP
13564	TraesCS3A03G0895400	0.66245	2.20374	Down	Up
13565	TraesCS3A03G0895600	0.80292	1.04973	No	No
13568	TraesCS3A03G0897700	0.82422	1.3491	No	No
13569	TraesCS3A03G0897800	0.92607	1.55763	No	No
13570	TraesCS3A03G0899500	1.25568	0.75251	No	No
13571	TraesCS3A03G0899700	0.42547	1.326	Down	Up
13573	TraesCS3A03G0900300	1.02551	1.61362	UP	UP
13574	TraesCS3A03G0900400	0.95308	0.84525	Down	Down
13575	TraesCS3A03G0900500	1.10688	0.17353	Up	Down
13576	TraesCS3A03G0900700	1.23543	0.51314	No	No
13577	TraesCS3A03G0901600	1.22909	1.09904	UP	UP
13578	TraesCS3A03G0902000	1.09303	0.44293	Up	Down
13579	TraesCS3A03G0902100	1.05576	0.68148	No	No
13580	TraesCS3A03G0902200	0.38259	0.83796	Down	Down
13581	TraesCS3A03G0903300	1.19388	0.64973	No	No
13583	TraesCS3A03G0904300	1.43113	1.97382	UP	UP
13584	TraesCS3A03G0904300	0.23861	0.16757	Down	Down
13585	TraesCS3A03G0904700	0.916	0.94916	Down	Down
13587	TraesCS3A03G0905000	1.35024	0.98508	No	No
13588	TraesCS3A03G0905100	1.15325	1.56581	UP	UP
13589	TraesCS3A03G0907200	0.79073	6.57852	Down	Up
13590	TraesCS3A03G0907400	0.88116	0.98766	Down	Down
13591	TraesCS3A03G0907500	0.55739	4.81325	Down	Up
13592	TraesCS3A03G0909800	0.85341	0.86939	Down	Down
13593	TraesCS3A03G0910100	0.99269	0.71139	Down	Down
13594	TraesCS3A03G0910800	0.97914	0.92918	Down	Down
13595	TraesCS3A03G0912000	0.88016	0.64003	Down	Down
13596	TraesCS3A03G0913100	0.96764	1.60179	No	No
13598	TraesCS3A03G0913900	0.65311	1.00125	No	No
13599	TraesCS3A03G0914300	0.69818	2.30649	Down	Up
13600	TraesCS3A03G0915600	1.18374	1.24523	UP	UP

13602	TraesCS3A03G0917000	0.89942	0.65876	Down	Down
13603	TraesCS3A03G0917200	1.07868	0.62099	No	No
13604	TraesCS3A03G0917300	1.48853	0.31074	Up	Down
13605	TraesCS3A03G0918200	0.67989	4.43835	Down	Up
13606	TraesCS3A03G0919400	0.86883	1.97054	No	No
13607	TraesCS3A03G0919500	2.44581	0.94583	Up	Down
13608	TraesCS3A03G0919600	0.87491	1.69617	No	No
13609	TraesCS3A03G0920000	0.85571	0.34302	Down	Down
13610	TraesCS3A03G0920100	0.61302	2.37303	Down	Up
13611	TraesCS3A03G0920800	1.05757	0.89243	No	No
13614	TraesCS3A03G0922900	1.65262	0.64197	No	No
13617	TraesCS3A03G0923200	1.99875	0.96366	No	No
13618	TraesCS3A03G0923300	0.98348	1.31608	No	No
13619	TraesCS3A03G0924300	0.82216	0.84694	Down	Down
13620	TraesCS3A03G0925200	0.77442	0.77084	Down	Down
13621	TraesCS3A03G0925300	1.11639	1.16559	UP	UP
13622	TraesCS3A03G0925900	1.14988	0.26689	Up	Down
13623	TraesCS3A03G0926600	1.07623	1.90157	UP	UP
13624	TraesCS3A03G0926800	0.92057	0.62641	Down	Down
13625	TraesCS3A03G0927100	0.64159	2.12367	Down	Up
13626	TraesCS3A03G0928400	1.12881	1.22062	UP	UP
13627	TraesCS3A03G0928700	1.12035	0.62763	No	No
13628	TraesCS3A03G0928900	0.69138	3.95217	Down	Up
13629	TraesCS3A03G0929100	0.17864	1.00552	Down	Up
13630	TraesCS3A03G0929300	1.02378	1.59284	UP	UP
13631	TraesCS3A03G0929400	0.86311	2.94916	Down	Up
13632	TraesCS3A03G0929600	1.34268	0.79768	No	No
13633	TraesCS3A03G0930200	0.69278	0.265	Down	Down
13634	TraesCS3A03G0930300	1.47383	0.59659	No	No
13635	TraesCS3A03G0932600	1.39343	0.59367	No	No
13636	TraesCS3A03G0932700	1.11124	0.63943	No	No
13637	TraesCS3A03G0933300	0.75513	1.31306	No	No
13638	TraesCS3A03G0933400	0.59531	1.38332	No	No
13640	TraesCS3A03G0934000	0.98438	0.48322	Down	Down
13641	TraesCS3A03G0934200	0.85656	0.36473	Down	Down
13642	TraesCS3A03G0934300	0.89989	2.15527	Down	Up
13643	TraesCS3A03G0936700	0.6271	10.5297	Down	Up
13644	TraesCS3A03G0937000	0.7929	1.5705	No	No
13645	TraesCS3A03G0937400	1.19885	0.79799	No	No
13646	TraesCS3A03G0937600	0.71323	0.43128	Down	Down
13647	TraesCS3A03G0937800	0.96911	0.68212	Down	Down
13648	TraesCS3A03G0938100	0.83066	1.80851	No	No
13649	TraesCS3A03G0938200	0.89613	2.30351	Down	Up
13650	TraesCS3A03G0938300	0.68606	0.77075	Down	Down
13652	TraesCS3A03G0938500	0.87037	1.55005	No	No
13653	TraesCS3A03G0938900	1.09094	0.9213	No	No
13654	TraesCS3A03G0941700	2.71425	1.06939	Up	Up
13655	TraesCS3A03G0941800	1.30322	0.34376	Up	Down
13656	TraesCS3A03G0942500	0.94261	0.44096	Down	Down
13657	TraesCS3A03G0943200	0.49465	0.79101	Down	Down
13658	TraesCS3A03G0943200	1.03584	0.41962	Up	Down
13659	TraesCS3A03G0943300	0.82676	1.44142	No	No

13660	TraesCS3A03G0943600	0.89881	1.66221	No	No
13661	TraesCS3A03G0944600	0.78764	1.51693	No	No
13662	TraesCS3A03G0944800	0.78065	2.91632	Down	Up
13663	TraesCS3A03G0945800	0.93398	2.86488	Down	Up
13664	TraesCS3A03G0945900	0.61194	0.51306	Down	Down
13665	TraesCS3A03G0946000	0.75914	1.2288	No	No
13666	TraesCS3A03G0946200	0.82017	1.58296	No	No
13667	TraesCS3A03G0946300	1.23221	0.87211	No	No
13668	TraesCS3A03G0946400	1.04724	1.00104	UP	UP
13669	TraesCS3A03G0946500	1.03033	1.07946	UP	UP
13670	TraesCS3A03G0947400	1.14746	0.31544	Up	Down
13671	TraesCS3A03G0948300	1.32131	4.39334	Up	Up
13674	TraesCS3A03G0949500	1.27005	0.66921	No	No
13675	TraesCS3A03G0949700	0.68217	1.78468	No	No
13676	TraesCS3A03G0950100	1.17105	0.68411	No	No
13677	TraesCS3A03G0950500	2.65303	0.44372	Up	Down
13678	TraesCS3A03G0951900	0.85812	1.14212	No	No
13679	TraesCS3A03G0952700	0.87445	0.3472	Down	Down
13680	TraesCS3A03G0952900	1.01374	1.50794	UP	UP
13681	TraesCS3A03G0953500	0.97063	0.79105	Down	Down
13682	TraesCS3A03G0954100	1.11155	1.46864	UP	UP
13683	TraesCS3A03G0954200	0.88343	0.90569	Down	Down
13684	TraesCS3A03G0954500	0.85953	1.32759	No	No
13685	TraesCS3A03G0955000	1.02736	2.00963	Up	Up
13687	TraesCS3A03G0957700	2.92956	1.60397	Up	Up
13688	TraesCS3A03G0957800	0.84578	1.77579	No	No
13689	TraesCS3A03G0958100	0.71092	1.53159	No	No
13690	TraesCS3A03G0958600	0.98776	1.12423	No	No
13694	TraesCS3A03G0960900	1.3661	0.68873	No	No
13695	TraesCS3A03G0964300	1.30593	1.03001	UP	UP
13696	TraesCS3A03G0964400	3.20307	0.14709	Up	Down
13697	TraesCS3A03G0965000	1.07072	1.91642	UP	UP
13698	TraesCS3A03G0965700	1.1157	0.62532	No	No
13699	TraesCS3A03G0966100	0.46357	0.47863	Down	Down
13702	TraesCS3A03G0967200	0.58197	1.98825	No	No
13703	TraesCS3A03G0968500	0.9892	0.88655	Down	Down
13704	TraesCS3A03G0968700	0.89824	1.00403	No	No
13705	TraesCS3A03G0968800	0.31773	0.76921	Down	Down
13706	TraesCS3A03G0969100	0.59755	2.70017	Down	Up
13707	TraesCS3A03G0969200	0.19011	1.54485	Down	Up
13708	TraesCS3A03G0969300	0.86481	1.08302	No	No
13709	TraesCS3A03G0969600	0.39778	0.51017	Down	Down
13710	TraesCS3A03G0969700	1.088	0.93269	No	No
13711	TraesCS3A03G0969800	0.46408	2.60947	Down	Up
13712	TraesCS3A03G0970000	1.11395	0.38518	Up	Down
13713	TraesCS3A03G0970100	1.01101	1.04453	UP	UP
13714	TraesCS3A03G0970900	0.44334	0.9095	Down	Down
13715	TraesCS3A03G0971000	1.02076	1.75866	UP	UP
13716	TraesCS3A03G0971300	0.96956	2.76611	Down	Up
13717	TraesCS3A03G0971800	1.04291	0.34272	Up	Down
13718	TraesCS3A03G0971900	1.15741	0.15797	Up	Down
13719	TraesCS3A03G0972100	1.26247	0.88017	No	No

13720	TraesCS3A03G0972700	1.26512	1.23632	UP	UP
13721	TraesCS3A03G0973100	0.82869	0.92256	Down	Down
13722	TraesCS3A03G0973200	0.76454	1.09426	No	No
13724	TraesCS3A03G0974400	0.78697	1.29524	No	No
13725	TraesCS3A03G0974700	0.36183	12.9103	Down	Up
13726	TraesCS3A03G0976700	1.54413	1.03348	UP	UP
13727	TraesCS3A03G0976700	1.51656	3.67948	Up	Up
13728	TraesCS3A03G0977200	0.83485	1.65541	No	No
13731	TraesCS3A03G0979000	0.90274	1.21992	No	No
13732	TraesCS3A03G0979100	1.07301	0.66258	No	No
13733	TraesCS3A03G0979200	1.14387	0.77156	No	No
13734	TraesCS3A03G0979200	0.92078	1.59424	No	No
13736	TraesCS3A03G0979600	0.76529	1.01471	No	No
13737	TraesCS3A03G0979800	0.92464	2.82827	Down	Up
13738	TraesCS3A03G0980000	0.89784	0.96879	Down	Down
13739	TraesCS3A03G0980900	0.75871	0.90647	Down	Down
13741	TraesCS3A03G0982400	0.65239	3.62032	Down	Up
13742	TraesCS3A03G0982500	1.13185	0.90045	No	No
13743	TraesCS3A03G0983800	0.89257	2.15546	Down	Up
13744	TraesCS3A03G0983800	1.3218	4.66933	Up	Up
13745	TraesCS3A03G0984100	1.46785	0.53301	No	No
13747	TraesCS3A03G0984600	0.70402	1.55633	No	No
13748	TraesCS3A03G0986300	1.51486	0.93792	No	No
13749	TraesCS3A03G0986600	0.97835	1.28028	No	No
13750	TraesCS3A03G0987700	0.77841	1.27174	No	No
13751	TraesCS3A03G0988000	0.88455	1.20827	No	No
13753	TraesCS3A03G0991400	0.63401	2.739	Down	Up
13754	TraesCS3A03G0992100	1.01138	1.32353	UP	UP
13755	TraesCS3A03G0992100	2.4328	0.76526	Up	Down
13756	TraesCS3A03G0992200	1.13405	1.38001	UP	UP
13757	TraesCS3A03G0992300	0.7564	0.36942	Down	Down
13758	TraesCS3A03G0992500	0.7946	0.49312	Down	Down
13760	TraesCS3A03G0993300	1.15922	1.81505	UP	UP
13761	TraesCS3A03G0995300	0.9933	0.53431	Down	Down
13762	TraesCS3A03G0995500	1.2365	0.73319	No	No
13764	TraesCS3A03G0996200	1.56956	0.68951	No	No
13765	TraesCS3A03G0996300	0.99068	0.92648	Down	Down
13766	TraesCS3A03G0996300	0.81518	1.40056	No	No
13767	TraesCS3A03G0997100	0.64737	1.30797	No	No
13768	TraesCS3A03G0997700	0.68408	2.39127	Down	Up
13769	TraesCS3A03G0997800	0.68753	0.59112	Down	Down
13770	TraesCS3A03G0998800	0.84201	2.30139	Down	Up
13771	TraesCS3A03G0999000	0.72858	1.02256	No	No
13772	TraesCS3A03G0999500	0.89192	0.41701	Down	Down
13773	TraesCS3A03G1005700	1.88084	1.68097	UP	UP
13774	TraesCS3A03G1005900	0.65596	1.4548	No	No
13775	TraesCS3A03G1006200	0.79794	1.88929	No	No
13776	TraesCS3A03G1006300	0.57692	1.01906	No	No
13777	TraesCS3A03G1006600	0.81901	0.39357	Down	Down
13778	TraesCS3A03G1007200	1.4659	0.59074	No	No
13779	TraesCS3A03G1007300	0.54713	0.98561	Down	Down
13780	TraesCS3A03G1007300	0.84419	2.24063	Down	Up

13781	TraesCS3A03G1007400	1.04907	0.86896	No	No
13782	TraesCS3A03G1007400	1.06925	1.38295	UP	UP
13783	TraesCS3A03G1008800	1.56357	1.16179	UP	UP
13784	TraesCS3A03G1008900	1.9018	2.99492	Up	Up
13785	TraesCS3A03G1008900	2.83106	2.68243	UP	UP
13786	TraesCS3A03G1009300	1.72316	1.55778	UP	UP
13789	TraesCS3A03G1011300	0.97193	0.34236	Down	Down
13790	TraesCS3A03G1011400	0.87928	0.72332	Down	Down
13791	TraesCS3A03G1012500	0.83331	0.50537	Down	Down
13792	TraesCS3A03G1013600	1.22967	0.87734	No	No
13793	TraesCS3A03G1015800	1.01459	3.03851	Up	Up
13794	TraesCS3A03G1015800	1.09266	0.33946	Up	Down
13795	TraesCS3A03G1016300	0.86528	0.92975	Down	Down
13796	TraesCS3A03G1016700	0.61649	2.41439	Down	Up
13797	TraesCS3A03G1018000	0.40658	1.26881	Down	Up
13798	TraesCS3A03G1018800	0.58411	0.60132	Down	Down
13800	TraesCS3A03G1019800	0.90817	1.12964	No	No
13801	TraesCS3A03G1020000	1.29067	1.19126	UP	UP
13802	TraesCS3A03G1021600	0.75826	9.86915	Down	Up
13803	TraesCS3A03G1021700	1.04497	1.37681	UP	UP
13804	TraesCS3A03G1022100	0.90552	1.53193	No	No
13805	TraesCS3A03G1022400	1.49184	2.77568	Up	Up
13806	TraesCS3A03G1022700	1.19073	1.2256	UP	UP
13808	TraesCS3A03G1023500	1.21358	1.92512	UP	UP
13809	TraesCS3A03G1023600	1.02106	1.52229	UP	UP
13810	TraesCS3A03G1023900	1.2069	1.242	UP	UP
13811	TraesCS3A03G1024100	0.68368	1.1223	No	No
13812	TraesCS3A03G1024300	1.01364	0.82924	No	No
13813	TraesCS3A03G1025000	1.18603	0.60172	No	No
13814	TraesCS3A03G1025100	0.76173	2.77054	Down	Up
13815	TraesCS3A03G1025800	1.26119	0.77746	No	No
13816	TraesCS3A03G1027200	0.83193	1.87397	No	No
13817	TraesCS3A03G1027500	0.70509	2.17121	Down	Up
13818	TraesCS3A03G1027900	1.03304	1.7316	UP	UP
13819	TraesCS3A03G1028700	1.07362	1.26708	UP	UP
13820	TraesCS3A03G1029100	0.9739	1.15798	No	No
13821	TraesCS3A03G1029600	2.09779	0.75796	Up	Down
13822	TraesCS3A03G1029800	0.65866	5.65025	Down	Up
13823	TraesCS3A03G1029900	1.21903	1.2999	UP	UP
13824	TraesCS3A03G1030000	0.8872	0.44331	Down	Down
13825	TraesCS3A03G1030500	0.91201	0.6279	Down	Down
13826	TraesCS3A03G1032200	1.03712	5.62412	Up	Up
13827	TraesCS3A03G1032300	0.92848	4.22908	Down	Up
13828	TraesCS3A03G1032500	0.72396	2.00755	Down	Up
13829	TraesCS3A03G1032900	0.36877	4.36351	Down	Up
13830	TraesCS3A03G1035100	0.91027	1.199	No	No
13831	TraesCS3A03G1035200	0.97735	1.29117	No	No
13832	TraesCS3A03G1035300	0.98024	3.0821	Down	Up
13834	TraesCS3A03G1035600	1.18967	0.76979	No	No
13835	TraesCS3A03G1035900	0.34995	5.97107	Down	Up
13836	TraesCS3A03G1037900	1.46242	0.04687	Up	Down
13837	TraesCS3A03G1037900	1.56006	0.64226	No	No

13839	TraesCS3A03G1038100	0.80491	1.81949	No	No
13840	TraesCS3A03G1040000	1.37317	0.61593	No	No
13841	TraesCS3A03G1041600	1.02609	1.40152	UP	UP
13842	TraesCS3A03G1041800	2.24974	1.06541	Up	Up
13843	TraesCS3A03G1042000	1.12235	0.7183	No	No
13844	TraesCS3A03G1042100	1.14688	0.75153	No	No
13845	TraesCS3A03G1042200	0.87444	1.00463	No	No
13846	TraesCS3A03G1042500	1.04371	0.61361	No	No
13847	TraesCS3A03G1044900	0.87259	1.47945	No	No
13849	TraesCS3A03G1045300	0.86607	1.41075	No	No
13850	TraesCS3A03G1046700	0.64596	1.46838	No	No
13851	TraesCS3A03G1047600	1.55647	0.99008	No	No
13852	TraesCS3A03G1049300	0.94996	1.83347	No	No
13853	TraesCS3A03G1049400	0.47519	0.22128	Down	Down
13854	TraesCS3A03G1049800	0.83402	0.76666	Down	Down
13855	TraesCS3A03G1055700	0.74185	2.30489	Down	Up
13856	TraesCS3A03G1055900	1.11261	0.76821	No	No
13857	TraesCS3A03G1055900	1.36385	1.53354	UP	UP
13858	TraesCS3A03G1056100	1.20672	0.82808	No	No
13859	TraesCS3A03G1056600	0.89201	3.25677	Down	Up
13860	TraesCS3A03G1057700	0.92063	1.91254	No	No
13861	TraesCS3A03G1057900	0.77159	1.76439	No	No
13862	TraesCS3A03G1059700	3.91289	0.6178	Up	Down
13863	TraesCS3A03G1059800	1.61089	0.38595	Up	Down
13865	TraesCS3A03G1062700	1.07246	0.83996	No	No
13866	TraesCS3A03G1063100	0.96835	1.84154	No	No
13867	TraesCS3A03G1064000	1.09289	0.77789	No	No
13868	TraesCS3A03G1064100	0.67593	0.59342	Down	Down
13869	TraesCS3A03G1064300	2.2409	1.74218	UP	UP
13870	TraesCS3A03G1065700	0.89999	1.0491	No	No
13871	TraesCS3A03G1065800	1.3252	0.87191	No	No
13872	TraesCS3A03G1066800	0.34549	1.21078	Down	Up
13873	TraesCS3A03G1068500	1.09277	1.12644	UP	UP
13874	TraesCS3A03G1071800	0.84444	1.29564	No	No
13875	TraesCS3A03G1072400	0.99837	0.41757	Down	Down
13877	TraesCS3A03G1073900	0.90793	1.35865	No	No
13878	TraesCS3A03G1075900	0.89671	1.37297	No	No
13879	TraesCS3A03G1076000	1.00894	1.63298	UP	UP
13880	TraesCS3A03G1076500	0.96276	0.46312	Down	Down
13881	TraesCS3A03G1077000	1.19931	3.21255	Up	Up
13882	TraesCS3A03G1080200	1.16566	0.95619	No	No
13883	TraesCS3A03G1082100	0.79407	2.64535	Down	Up
13884	TraesCS3A03G1082900	1.05962	1.34025	UP	UP
13885	TraesCS3A03G1083100	1.26743	1.82982	UP	UP
13886	TraesCS3A03G1083900	0.91584	1.19531	No	No
13887	TraesCS3A03G1085200	0.69265	0.94358	Down	Down
13888	TraesCS3A03G1089900	0.95544	1.24124	No	No
13889	TraesCS3A03G1090200	1.04312	0.93153	No	No
13891	TraesCS3A03G1090600	1.26687	1.06438	UP	UP
13892	TraesCS3A03G1091100	0.83481	0.93834	Down	Down
13893	TraesCS3A03G1093300	1.23561	1.22205	UP	UP
13894	TraesCS3A03G1101100	0.82616	1.43593	No	No

13896	TraesCS3A03G1110500	0.92904	3.87123	Down	Up
13897	TraesCS3A03G1111500	0.86103	1.38891	No	No
13901	TraesCS3A03G1118700	0.80256	6.7416	Down	Up
13902	TraesCS3A03G1119200	0.93447	1.73799	No	No
13903	TraesCS3A03G1122300	1.25298	9.70886	Up	Up
13904	TraesCS3A03G1122700	0.85573	0.50932	Down	Down
13907	TraesCS3A03G1124000	1.14028	1.18246	UP	UP
13908	TraesCS3A03G1125900	0.21492	42.8032	Down	Up
13909	TraesCS3A03G1126500	0.17442	26.5861	Down	Up
13910	TraesCS3A03G1127300	0.98134	0.8151	Down	Down
13911	TraesCS3A03G1127600	0.85404	1.17883	No	No
13912	TraesCS3A03G1127700	0.99698	0.35278	Down	Down
13913	TraesCS3A03G1130300	0.14214	31.8724	Down	Up
13914	TraesCS3A03G1131900	0.2388	13.6174	Down	Up
13915	TraesCS3A03G1134100	0.33819	32.5416	Down	Up
13916	TraesCS3A03G1137700	1.11681	0.96172	No	No
13917	TraesCS3A03G1138600	1.52184	0.8886	No	No
13918	TraesCS3A03G1138800	1.11079	0.7886	No	No
13920	TraesCS3A03G1141700	0.5898	1.48607	No	No
13922	TraesCS3A03G1145100	1.04399	0.93712	No	No
13923	TraesCS3A03G1145500	0.65319	4.71929	Down	Up
13924	TraesCS3A03G1145800	1.13799	1.82	UP	UP
13926	TraesCS3A03G1146300	0.40572	1.77954	Down	Up
13927	TraesCS3A03G1146800	1.08632	1.90306	UP	UP
13928	TraesCS3A03G1150700	0.86054	1.07359	No	No
13929	TraesCS3A03G1152600	1.17253	0.59458	No	No
13930	TraesCS3A03G1152900	1.12736	1.89882	UP	UP
13931	TraesCS3A03G1153300	0.98089	1.36378	No	No
13934	TraesCS3A03G1156800	2.21986	1.48727	Up	Up
13935	TraesCS3A03G1159900	1.42246	0.88766	No	No
13936	TraesCS3A03G1162900	1.57955	3.89208	Up	Up
13938	TraesCS3A03G1163600	1.00096	0.96803	No	No
13940	TraesCS3A03G1164200	0.95283	2.39684	Down	Up
13941	TraesCS3A03G1170200	0.88148	0.87944	Down	Down
13942	TraesCS3A03G1170300	0.95321	0.92363	Down	Down
13943	TraesCS3A03G1170400	0.83696	0.57211	Down	Down
13944	TraesCS3A03G1172400	1.22649	1.12575	UP	UP
13945	TraesCS3A03G1174100	0.87043	1.58552	No	No
13946	TraesCS3A03G1174700	0.86578	1.67402	No	No
13947	TraesCS3A03G1175400	1.05716	1.14731	UP	UP
13948	TraesCS3A03G1175400	0.75855	0.80683	Down	Down
13949	TraesCS3A03G1179500	1.0184	1.86507	UP	UP
13950	TraesCS3A03G1179600	1.00367	0.30225	Up	Down
13951	TraesCS3A03G1181800	0.85133	1.52077	No	No
13952	TraesCS3A03G1183200	0.46988	1.51174	Down	Up
13953	TraesCS3A03G1183300	0.86024	0.57827	Down	Down
13954	TraesCS3A03G1184000	0.9714	0.6874	Down	Down
13955	TraesCS3A03G1184200	0.73183	0.84243	Down	Down
13958	TraesCS3A03G1186400	0.71026	0.57317	Down	Down
13959	TraesCS3A03G1187000	0.77273	1.00201	No	No
13960	TraesCS3A03G1187100	0.72728	0.95344	Down	Down
13961	TraesCS3A03G1191900	0.96142	0.17785	Down	Down

13964	TraesCS3A03G1194500	0.86447	0.85492	Down	Down
13965	TraesCS3A03G1195600	0.95005	1.49357	No	No
13966	TraesCS3A03G1196100	0.96344	1.40836	No	No
13968	TraesCS3A03G1199000	0.73839	1.58336	No	No
13969	TraesCS3A03G1199400	0.93865	0.60617	Down	Down
13970	TraesCS3A03G1201400	0.43424	0.17041	Down	Down
13971	TraesCS3A03G1202400	0.7099	2.54951	Down	Up
13972	TraesCS3A03G1204500	0.82833	0.48852	Down	Down
13973	TraesCS3A03G1204800	0.92392	1.43424	No	No
13974	TraesCS3A03G1207500	0.89142	0.76474	Down	Down
13975	TraesCS3A03G1209700	1.00513	1.68903	UP	UP
13976	TraesCS3A03G1209800	0.79403	0.46848	Down	Down
13977	TraesCS3A03G1210700	1.22374	0.61805	No	No
13978	TraesCS3A03G1211000	1.02365	1.08787	UP	UP
13979	TraesCS3A03G1211200	0.89504	0.81471	Down	Down
13983	TraesCS3A03G1212400	1.66692	1.60047	UP	UP
13984	TraesCS3A03G1212400	1.44943	0.8544	No	No
13985	TraesCS3A03G1216300	0.94457	0.37612	Down	Down
13986	TraesCS3A03G1216400	1.03545	0.71972	No	No
13987	TraesCS3A03G1216600	0.73119	0.91143	Down	Down
13988	TraesCS3A03G1216700	1.0931	0.62755	No	No
13989	TraesCS3A03G1216800	0.68827	1.00865	No	No
13990	TraesCS3A03G1216900	1.05215	0.52352	No	No
13991	TraesCS3A03G1217000	1.16294	0.66586	No	No
13992	TraesCS3A03G1217300	1.25615	1.05019	UP	UP
13993	TraesCS3A03G1217600	0.36078	10.5382	Down	Up
13994	TraesCS3A03G1218300	0.91646	1.47287	No	No
13996	TraesCS3A03G1219800	0.66745	1.42615	No	No
13997	TraesCS3A03G1223400	0.75067	2.17453	Down	Up
13998	TraesCS3A03G1223800	0.47985	1.25427	Down	Up
13999	TraesCS3A03G1223900	1.10672	1.15872	UP	UP
14001	TraesCS3A03G1228500	1.01229	0.72945	No	No
14002	TraesCS3A03G1228600	1.08138	1.3865	UP	UP
14003	TraesCS3A03G1229400	0.97014	1.35849	No	No
14004	TraesCS3A03G1230400	0.67173	2.19578	Down	Up
14007	TraesCS3A03G1232100	0.79232	1.04443	No	No
14008	TraesCS3A03G1236800	0.896	0.36134	Down	Down
14009	TraesCS3A03G1237100	0.68461	1.23129	No	No
14010	TraesCS3A03G1237800	0.8236	0.88244	Down	Down
14011	TraesCS3A03G1238200	0.94222	0.99944	Down	Down
14012	TraesCS3A03G1238500	0.85665	0.95279	Down	Down
14013	TraesCS3A03G1238900	1.12434	1.03642	UP	UP
14014	TraesCS3A03G1239000	2.59455	0.99702	Up	Down
14015	TraesCS3A03G1239100	1.23245	1.2088	UP	UP
14017	TraesCS3A03G1239900	0.08609	0.3957	Down	Down
14018	TraesCS3A03G1241000	1.07332	0.95616	No	No
14020	TraesCS3A03G1243100	1.34548	2.20284	Up	Up
14022	TraesCS3A03G1249500	1.03438	0.28872	Up	Down
14024	TraesCS3A03G1250300	1.07171	1.59868	UP	UP
14025	TraesCS3A03G1250400	0.60302	1.95043	No	No
14026	TraesCS3A03G1250800	1.08764	0.15027	Up	Down
14027	TraesCS3A03G1250900	0.62072	0.58448	Down	Down

14028	TraesCS3A03G1251300	0.41773	4.80102	Down	Up
14029	TraesCS3A03G1252800	0.86	2.07438	Down	Up
14030	TraesCS3A03G1253000	0.83739	0.64856	Down	Down
14031	TraesCS3A03G1254100	1.08553	1.37969	UP	UP
14032	TraesCS3A03G1255600	0.76175	1.40988	No	No
14033	TraesCS3A03G1255800	0.75269	1.70414	No	No
14034	TraesCS3A03G1256900	1.68512	1.18085	UP	UP
14035	TraesCS3A03G1257300	0.65176	0.95775	Down	Down
14037	TraesCS3A03G1258100	0.57321	0.90553	Down	Down
14038	TraesCS3A03G1258200	1.23613	0.86123	No	No
14039	TraesCS3A03G1258300	0.70479	0.54285	Down	Down
14040	TraesCS3A03G1258500	0.67206	1.23082	No	No
14041	TraesCS3A03G1258700	0.85144	1.56545	No	No
14042	TraesCS3A03G1258800	0.76944	0.94224	Down	Down
14043	TraesCS3A03G1261900	0.72653	1.0236	No	No
14044	TraesCS3A03G1263300	0.76488	2.46481	Down	Up
14047	TraesCS3A03G1265400	1.88506	2.73153	Up	Up
14049	TraesCS3A03G1265700	1.05784	0.83538	No	No
14050	TraesCS3A03G1265900	0.93684	0.75549	Down	Down
14051	TraesCS3A03G1267300	3.27986	0.72875	Up	Down
14052	TraesCS3A03G1269800	1.17105	0.5469	No	No
14053	TraesCS3A03G1272200	1.06567	0.95422	No	No
14054	TraesCS3A03G1272400	0.9948	0.89472	Down	Down
14055	TraesCS3A03G1276200	0.98784	0.8152	Down	Down
14056	TraesCS3A03G1276600	0.74498	0.73024	Down	Down
14057	TraesCS3A03G1276800	1.11745	0.69433	No	No
14058	TraesCS3A03G1277300	1.02776	1.34031	UP	UP
14059	TraesCS3A03G1277700	0.92015	4.56382	Down	Up
14060	TraesCS3A03G1277800	0.94515	5.9537	Down	Up
14066	TraesCS3B03G0002800	0.6602	0.78415	Down	Down
14068	TraesCS3B03G0003000	0.7766	0.58297	Down	Down
14069	TraesCS3B03G0004400	0.46878	1.71584	Down	Up
14070	TraesCS3B03G0004800	0.83064	0.53027	Down	Down
14071	TraesCS3B03G0006400	0.43047	8.10526	Down	Up
14072	TraesCS3B03G0008500	0.51348	0.3928	Down	Down
14073	TraesCS3B03G0008700	0.64501	1.47556	No	No
14074	TraesCS3B03G0008900	0.44099	1.7899	Down	Up
14076	TraesCS3B03G0011700	0.81991	1.41655	No	No
14077	TraesCS3B03G0011800	0.30887	0.84827	Down	Down
14078	TraesCS3B03G0012100	0.95177	0.8397	Down	Down
14079	TraesCS3B03G0014300	0.93663	1.06573	No	No
14081	TraesCS3B03G0015900	0.15962	5.62154	Down	Up
14082	TraesCS3B03G0016800	0.77289	1.24753	No	No
14083	TraesCS3B03G0017300	0.69427	3.54956	Down	Up
14084	TraesCS3B03G0017600	7.61766	1.08091	Up	Up
14085	TraesCS3B03G0018000	7.73271	0.76544	Up	Down
14086	TraesCS3B03G0018100	0.89133	1.22056	No	No
14087	TraesCS3B03G0018300	0.52185	1.23525	No	No
14088	TraesCS3B03G0019600	0.85934	2.56466	Down	Up
14089	TraesCS3B03G0022700	1.05351	0.42578	Up	Down
14090	TraesCS3B03G0022800	0.73806	1.96421	No	No
14091	TraesCS3B03G0028100	1.03633	0.59848	No	No

14092	TraesCS3B03G0034500	1.45482	1.21165	UP	UP
14093	TraesCS3B03G0037300	1.21311	1.09798	UP	UP
14094	TraesCS3B03G0037900	1.01789	0.61317	No	No
14095	TraesCS3B03G0038000	1.26508	0.74037	No	No
14096	TraesCS3B03G0038200	0.52254	0.15318	Down	Down
14097	TraesCS3B03G0040300	1.17621	0.56732	No	No
14098	TraesCS3B03G0040400	0.96467	0.57333	Down	Down
14099	TraesCS3B03G0040500	1.18002	0.8999	No	No
14100	TraesCS3B03G0041000	1.44642	1.40964	UP	UP
14101	TraesCS3B03G0041100	1.06462	0.80761	No	No
14102	TraesCS3B03G0042000	0.75847	0.61594	Down	Down
14103	TraesCS3B03G0042700	1.39171	1.46631	UP	UP
14104	TraesCS3B03G0044100	0.96571	1.17452	No	No
14106	TraesCS3B03G0045000	1.23804	2.10275	Up	Up
14107	TraesCS3B03G0046100	1.18319	3.27157	Up	Up
14108	TraesCS3B03G0047600	1.24683	0.20411	Up	Down
14110	TraesCS3B03G0049400	1.2401	0.57823	No	No
14111	TraesCS3B03G0051500	0.72565	2.06433	Down	Up
14113	TraesCS3B03G0052500	0.61392	3.77309	Down	Up
14115	TraesCS3B03G0052800	1.44182	1.11544	UP	UP
14116	TraesCS3B03G0053700	1.00566	3.5846	Up	Up
14117	TraesCS3B03G0054900	0.39143	3.2318	Down	Up
14118	TraesCS3B03G0056500	0.91034	0.48071	Down	Down
14119	TraesCS3B03G0057500	1.20543	1.91541	UP	UP
14121	TraesCS3B03G0070300	0.91137	1.47125	No	No
14122	TraesCS3B03G0070400	1.13619	1.01216	UP	UP
14125	TraesCS3B03G0079600	0.98375	1.33989	No	No
14126	TraesCS3B03G0081300	0.80049	1.0025	No	No
14127	TraesCS3B03G0082300	0.94781	1.09713	No	No
14128	TraesCS3B03G0088200	0.78938	1.85433	No	No
14129	TraesCS3B03G0090000	0.53535	0.76387	Down	Down
14130	TraesCS3B03G0090300	0.45703	2.82943	Down	Up
14131	TraesCS3B03G0090400	0.64178	1.45516	No	No
14132	TraesCS3B03G0091200	1.4365	1.51028	UP	UP
14134	TraesCS3B03G0092300	0.96385	0.60919	Down	Down
14135	TraesCS3B03G0092900	0.23771	1.6984	Down	Up
14136	TraesCS3B03G0094600	0.63369	1.00829	No	No
14137	TraesCS3B03G0095000	1.53323	0.24119	Up	Down
14138	TraesCS3B03G0095300	0.94244	1.55201	No	No
14140	TraesCS3B03G0097000	1.24718	0.83674	No	No
14142	TraesCS3B03G0097900	0.9581	4.77438	Down	Up
14143	TraesCS3B03G0099100	1.03997	1.5163	UP	UP
14144	TraesCS3B03G0102900	0.64743	2.21022	Down	Up
14145	TraesCS3B03G0103500	0.55393	4.93762	Down	Up
14146	TraesCS3B03G0104500	1.40011	0.75364	No	No
14147	TraesCS3B03G0105200	1.15837	0.88008	No	No
14148	TraesCS3B03G0105600	0.82101	1.40498	No	No
14149	TraesCS3B03G0105600	1.52425	0.92995	No	No
14150	TraesCS3B03G0105800	0.5692	1.12436	No	No
14151	TraesCS3B03G0106000	1.13318	0.85414	No	No
14152	TraesCS3B03G0106800	0.8042	0.88239	Down	Down
14153	TraesCS3B03G0106900	1.04909	1.24725	UP	UP

14154	TraesCS3B03G0108500	0.64006	2.00964	Down	Up
14155	TraesCS3B03G0108600	1.60984	0.61711	No	No
14156	TraesCS3B03G0109500	0.83614	1.4702	No	No
14157	TraesCS3B03G0109500	1.67889	0.6596	No	No
14158	TraesCS3B03G0109500	2.27276	1.44153	Up	Up
14160	TraesCS3B03G0111100	1.13069	0.18581	Up	Down
14161	TraesCS3B03G0115900	0.478	3.30956	Down	Up
14162	TraesCS3B03G0120600	1.18489	1.72241	UP	UP
14163	TraesCS3B03G0123500	1.39719	2.69369	Up	Up
14164	TraesCS3B03G0125700	1.1089	1.70476	UP	UP
14165	TraesCS3B03G0126900	0.82976	1.2575	No	No
14166	TraesCS3B03G0127000	1.03978	0.52921	No	No
14167	TraesCS3B03G0127400	0.87434	1.90259	No	No
14168	TraesCS3B03G0132300	0.68714	4.11615	Down	Up
14169	TraesCS3B03G0135900	0.5455	1.13329	No	No
14170	TraesCS3B03G0138600	0.7162	0.20225	Down	Down
14171	TraesCS3B03G0139600	0.17695	0.99194	Down	Down
14172	TraesCS3B03G0139900	0.1032	0.79721	Down	Down
14173	TraesCS3B03G0142600	0.54656	0.24115	Down	Down
14174	TraesCS3B03G0142900	0.88183	0.0626	Down	Down
14175	TraesCS3B03G0143700	0.96039	1.71322	No	No
14176	TraesCS3B03G0144700	1.09738	1.77443	UP	UP
14177	TraesCS3B03G0144700	0.94329	0.24421	Down	Down
14178	TraesCS3B03G0146100	0.43111	0.37719	Down	Down
14179	TraesCS3B03G0147100	0.61113	1.18263	No	No
14181	TraesCS3B03G0152000	0.78508	0.44474	Down	Down
14182	TraesCS3B03G0153600	0.74296	1.15651	No	No
14183	TraesCS3B03G0155200	0.9562	0.94858	Down	Down
14184	TraesCS3B03G0155300	1.0328	1.14523	UP	UP
14185	TraesCS3B03G0155800	1.31936	1.37593	UP	UP
14187	TraesCS3B03G0157500	0.43209	3.78217	Down	Up
14188	TraesCS3B03G0160400	1.05216	1.00105	UP	UP
14191	TraesCS3B03G0164700	0.70786	1.26263	No	No
14192	TraesCS3B03G0165900	0.63401	0.67793	Down	Down
14193	TraesCS3B03G0166600	0.88257	4.04759	Down	Up
14194	TraesCS3B03G0167500	1.62485	0.36386	Up	Down
14195	TraesCS3B03G0167800	0.36109	0.36684	Down	Down
14196	TraesCS3B03G0168200	1.78596	0.93485	No	No
14197	TraesCS3B03G0168300	0.83825	1.29646	No	No
14198	TraesCS3B03G0168400	0.78668	0.72971	Down	Down
14200	TraesCS3B03G0173600	1.02966	1.01263	UP	UP
14201	TraesCS3B03G0176000	1.14652	0.64429	No	No
14202	TraesCS3B03G0176000	1.91358	1.17689	UP	UP
14203	TraesCS3B03G0176300	1.01342	0.93355	No	No
14204	TraesCS3B03G0177900	2.41593	1.43206	Up	Up
14205	TraesCS3B03G0180600	0.83639	1.05545	No	No
14206	TraesCS3B03G0181200	1.26606	1.18805	UP	UP
14207	TraesCS3B03G0182000	0.40383	0.81436	Down	Down
14208	TraesCS3B03G0183400	0.75826	1.48674	No	No
14209	TraesCS3B03G0185300	0.23993	0.52401	Down	Down
14210	TraesCS3B03G0185400	0.91775	1.34198	No	No
14211	TraesCS3B03G0186200	1.03668	1.28404	UP	UP

14212	TraesCS3B03G0187000	1.45379	0.86224	No	No
14214	TraesCS3B03G0197100	1.05405	1.21061	UP	UP
14215	TraesCS3B03G0200400	0.80112	0.88995	Down	Down
14216	TraesCS3B03G0201800	0.7836	1.2867	No	No
14217	TraesCS3B03G0202300	0.77861	0.83724	Down	Down
14218	TraesCS3B03G0202700	1.03807	0.73985	No	No
14219	TraesCS3B03G0207200	0.87008	1.8612	No	No
14220	TraesCS3B03G0207400	0.90874	3.14604	Down	Up
14221	TraesCS3B03G0208400	0.96247	1.33681	No	No
14222	TraesCS3B03G0208500	0.80711	0.53531	Down	Down
14223	TraesCS3B03G0208900	1.17276	1.41316	UP	UP
14224	TraesCS3B03G0209200	1.29038	0.8885	No	No
14225	TraesCS3B03G0209900	0.78327	0.86711	Down	Down
14226	TraesCS3B03G0210000	1.62724	0.51652	No	No
14227	TraesCS3B03G0211900	1.4882	0.78807	No	No
14228	TraesCS3B03G0212000	0.71476	1.77799	No	No
14229	TraesCS3B03G0217400	0.74989	0.70686	Down	Down
14230	TraesCS3B03G0217400	0.52071	0.33934	Down	Down
14231	TraesCS3B03G0217700	0.86932	0.49902	Down	Down
14232	TraesCS3B03G0218700	1.07764	1.42399	UP	UP
14233	TraesCS3B03G0219700	0.97394	0.72016	Down	Down
14234	TraesCS3B03G0219900	0.72396	1.75419	No	No
14236	TraesCS3B03G0221000	1.21802	1.16713	UP	UP
14237	TraesCS3B03G0222300	1.42322	0.31672	Up	Down
14238	TraesCS3B03G0222400	1.42391	0.28592	Up	Down
14239	TraesCS3B03G0222900	0.47438	0.73064	Down	Down
14240	TraesCS3B03G0223400	0.62643	2.88336	Down	Up
14241	TraesCS3B03G0223700	1.4888	4.04157	Up	Up
14242	TraesCS3B03G0223700	0.73187	0.20694	Down	Down
14243	TraesCS3B03G0224800	1.01532	0.60258	No	No
14244	TraesCS3B03G0224900	0.91578	1.50292	No	No
14245	TraesCS3B03G0225100	1.15091	0.11934	Up	Down
14246	TraesCS3B03G0225800	0.82204	0.95292	Down	Down
14247	TraesCS3B03G0226300	1.06056	0.21118	Up	Down
14248	TraesCS3B03G0226500	1.07525	0.62476	No	No
14249	TraesCS3B03G0227000	0.98318	0.84751	Down	Down
14250	TraesCS3B03G0227100	1.54647	1.63012	UP	UP
14251	TraesCS3B03G0227300	1.26629	0.11753	Up	Down
14252	TraesCS3B03G0227900	1.41271	0.17908	Up	Down
14253	TraesCS3B03G0229200	1.23353	2.24278	Up	Up
14254	TraesCS3B03G0229400	1.60986	1.59656	UP	UP
14255	TraesCS3B03G0230000	0.94106	1.48525	No	No
14256	TraesCS3B03G0230100	0.63574	1.49536	No	No
14260	TraesCS3B03G0233800	0.9198	0.94228	Down	Down
14261	TraesCS3B03G0234500	0.78829	0.63464	Down	Down
14262	TraesCS3B03G0234800	1.07798	1.11015	UP	UP
14263	TraesCS3B03G0234900	0.8112	1.17934	No	No
14264	TraesCS3B03G0235200	0.7897	1.2869	No	No
14265	TraesCS3B03G0235300	0.86069	1.02355	No	No
14266	TraesCS3B03G0235400	0.98781	0.95221	Down	Down
14268	TraesCS3B03G0236200	0.77186	0.55823	Down	Down
14269	TraesCS3B03G0236600	0.92843	0.75332	Down	Down

14271	TraesCS3B03G0237100	0.92023	7.99918	Down	Up
14273	TraesCS3B03G0239200	1.27701	0.9894	No	No
14274	TraesCS3B03G0239800	1.0746	1.04605	UP	UP
14275	TraesCS3B03G0242000	1.12039	2.07768	Up	Up
14276	TraesCS3B03G0242100	1.00765	1.22065	UP	UP
14277	TraesCS3B03G0242600	0.99477	1.03748	No	No
14278	TraesCS3B03G0243300	1.44892	1.18087	UP	UP
14279	TraesCS3B03G0243800	1.09538	0.87363	No	No
14280	TraesCS3B03G0245100	0.85156	0.9784	Down	Down
14281	TraesCS3B03G0245600	0.80115	0.96426	Down	Down
14282	TraesCS3B03G0246300	0.90235	0.60325	Down	Down
14283	TraesCS3B03G0248300	0.92887	0.94413	Down	Down
14284	TraesCS3B03G0249800	1.08022	0.9926	No	No
14285	TraesCS3B03G0250900	1.85247	0.90701	No	No
14286	TraesCS3B03G0251400	1.27032	0.73759	No	No
14287	TraesCS3B03G0252900	1.28715	0.49542	Up	Down
14288	TraesCS3B03G0253000	0.52714	5.29633	Down	Up
14289	TraesCS3B03G0253400	0.96202	1.74611	No	No
14290	TraesCS3B03G0253500	1.01403	1.87449	UP	UP
14291	TraesCS3B03G0253600	0.93337	0.76737	Down	Down
14292	TraesCS3B03G0254600	0.88793	1.83743	No	No
14293	TraesCS3B03G0255400	0.90018	0.9071	Down	Down
14294	TraesCS3B03G0256800	0.67469	1.73539	No	No
14295	TraesCS3B03G0257200	1.01852	0.78667	No	No
14296	TraesCS3B03G0258300	0.89557	2.45456	Down	Up
14297	TraesCS3B03G0259800	0.86343	1.47187	No	No
14298	TraesCS3B03G0262600	1.02433	1.40564	UP	UP
14300	TraesCS3B03G0265000	1.19676	1.51562	UP	UP
14302	TraesCS3B03G0267000	1.23512	0.54271	No	No
14303	TraesCS3B03G0267300	0.86458	1.0334	No	No
14304	TraesCS3B03G0267400	1.02716	1.0972	UP	UP
14305	TraesCS3B03G0268100	0.83153	1.46227	No	No
14308	TraesCS3B03G0275600	1.38211	0.53934	No	No
14309	TraesCS3B03G0276200	1.65832	1.05734	UP	UP
14310	TraesCS3B03G0277000	0.73303	2.02877	Down	Up
14311	TraesCS3B03G0277800	1.1775	2.18502	Up	Up
14312	TraesCS3B03G0278400	1.03564	0.47207	Up	Down
14313	TraesCS3B03G0278500	0.71805	0.61248	Down	Down
14315	TraesCS3B03G0283900	1.514	0.48734	Up	Down
14316	TraesCS3B03G0284100	0.47555	1.77096	Down	Up
14319	TraesCS3B03G0285500	0.94203	1.12808	No	No
14320	TraesCS3B03G0286300	1.09422	1.04059	UP	UP
14321	TraesCS3B03G0286700	1.22717	1.12467	UP	UP
14322	TraesCS3B03G0286900	0.40171	0.57861	Down	Down
14323	TraesCS3B03G0287300	2.27221	2.88664	Up	Up
14324	TraesCS3B03G0288300	1.03484	1.1834	UP	UP
14325	TraesCS3B03G0289000	2.07926	1.19113	Up	Up
14326	TraesCS3B03G0289200	0.97551	0.57204	Down	Down
14327	TraesCS3B03G0290400	1.03128	0.61591	No	No
14328	TraesCS3B03G0291900	1.4449	1.32285	UP	UP
14330	TraesCS3B03G0292800	1.39496	0.48883	Up	Down
14335	TraesCS3B03G0296300	0.77785	1.87058	No	No

14336	TraesCS3B03G0296300	1.09683	0.91997	No	No
14337	TraesCS3B03G0296600	0.90903	1.43071	No	No
14338	TraesCS3B03G0297000	1.11413	0.79292	No	No
14339	TraesCS3B03G0303300	0.81742	0.60522	Down	Down
14340	TraesCS3B03G0303600	1.10656	0.52936	No	No
14341	TraesCS3B03G0303800	0.89115	0.70485	Down	Down
14342	TraesCS3B03G0304400	0.92994	2.01004	Down	Up
14343	TraesCS3B03G0304500	1.2739	2.5134	Up	Up
14344	TraesCS3B03G0305400	1.3305	1.44237	UP	UP
14345	TraesCS3B03G0305400	0.74872	1.37725	No	No
14346	TraesCS3B03G0306700	1.12476	0.68463	No	No
14347	TraesCS3B03G0307500	0.92488	1.64619	No	No
14349	TraesCS3B03G0308100	0.78111	1.17229	No	No
14350	TraesCS3B03G0309000	1.02109	0.7755	No	No
14351	TraesCS3B03G0309800	1.57384	0.55089	No	No
14352	TraesCS3B03G0310400	1.31226	0.76421	No	No
14353	TraesCS3B03G0312500	0.6515	0.53977	Down	Down
14354	TraesCS3B03G0312700	1.02535	0.85304	No	No
14355	TraesCS3B03G0313700	0.78631	0.84528	Down	Down
14356	TraesCS3B03G0314900	0.67562	2.24335	Down	Up
14357	TraesCS3B03G0315300	0.58042	5.10295	Down	Up
14358	TraesCS3B03G0315700	1.063	3.5189	Up	Up
14359	TraesCS3B03G0315800	0.58219	10.0746	Down	Up
14360	TraesCS3B03G0316400	1.04442	4.43208	Up	Up
14361	TraesCS3B03G0316500	0.92302	1.89422	No	No
14362	TraesCS3B03G0316800	0.84841	1.21096	No	No
14363	TraesCS3B03G0317200	1.12387	0.50834	No	No
14364	TraesCS3B03G0318100	1.10495	1.26482	UP	UP
14365	TraesCS3B03G0318200	0.7297	0.77198	Down	Down
14366	TraesCS3B03G0318400	0.80889	1.14319	No	No
14368	TraesCS3B03G0319700	0.75098	0.97826	Down	Down
14370	TraesCS3B03G0320800	0.7931	0.92807	Down	Down
14371	TraesCS3B03G0321000	0.93088	0.85253	Down	Down
14372	TraesCS3B03G0321500	1.41724	0.17195	Up	Down
14373	TraesCS3B03G0321500	1.28452	8.91821	Up	Up
14374	TraesCS3B03G0322100	0.65544	0.84353	Down	Down
14375	TraesCS3B03G0323200	0.88773	1.3065	No	No
14377	TraesCS3B03G0325000	0.74367	0.82684	Down	Down
14378	TraesCS3B03G0325100	0.53896	3.3378	Down	Up
14379	TraesCS3B03G0327200	1.05451	0.55567	No	No
14380	TraesCS3B03G0327400	0.88684	1.05274	No	No
14381	TraesCS3B03G0327600	0.94954	0.95771	Down	Down
14382	TraesCS3B03G0327700	0.91486	1.17338	No	No
14383	TraesCS3B03G0327800	1.01349	2.51048	Up	Up
14384	TraesCS3B03G0329700	1.64227	0.55493	No	No
14386	TraesCS3B03G0330200	0.70929	3.91398	Down	Up
14387	TraesCS3B03G0331000	1.10453	1.6004	UP	UP
14388	TraesCS3B03G0332100	0.68239	5.22232	Down	Up
14389	TraesCS3B03G0332200	0.7575	1.18068	No	No
14391	TraesCS3B03G0333700	0.88242	1.91495	No	No
14392	TraesCS3B03G0334700	0.80093	0.47002	Down	Down
14393	TraesCS3B03G0335000	1.56642	0.96684	No	No

14394	TraesCS3B03G0335600	0.71396	1.14686	No	No
14395	TraesCS3B03G0335700	0.78402	1.14029	No	No
14396	TraesCS3B03G0335800	0.93097	0.85021	Down	Down
14397	TraesCS3B03G0336200	0.60386	2.65902	Down	Up
14398	TraesCS3B03G0337300	0.80739	1.07877	No	No
14399	TraesCS3B03G0340600	1.27839	3.59133	Up	Up
14401	TraesCS3B03G0342300	0.64373	1.04542	No	No
14402	TraesCS3B03G0343800	1.48551	2.11496	Up	Up
14403	TraesCS3B03G0343900	1.50913	1.96847	UP	UP
14404	TraesCS3B03G0344400	1.89546	0.48374	Up	Down
14405	TraesCS3B03G0345100	3.06719	0.86916	Up	Down
14406	TraesCS3B03G0345400	0.99871	1.07569	No	No
14411	TraesCS3B03G0350400	0.8386	0.53166	Down	Down
14412	TraesCS3B03G0350500	3.83294	1.03629	Up	Up
14413	TraesCS3B03G0350600	1.0336	0.60207	No	No
14414	TraesCS3B03G0350600	1.16177	1.21123	UP	UP
14415	TraesCS3B03G0351900	1.0248	0.61111	No	No
14416	TraesCS3B03G0352000	1.07938	1.48744	UP	UP
14417	TraesCS3B03G0352000	0.65922	0.52937	Down	Down
14418	TraesCS3B03G0352100	1.04994	0.29355	Up	Down
14420	TraesCS3B03G0352800	0.85984	1.08032	No	No
14421	TraesCS3B03G0353200	1.62591	0.83198	No	No
14423	TraesCS3B03G0353600	0.50216	1.40836	No	No
14424	TraesCS3B03G0354200	0.97106	1.50072	No	No
14425	TraesCS3B03G0354300	1.41272	0.48678	Up	Down
14426	TraesCS3B03G0354700	2.02957	1.57183	UP	UP
14427	TraesCS3B03G0355200	0.96921	1.34615	No	No
14428	TraesCS3B03G0355300	1.6049	1.04578	UP	UP
14429	TraesCS3B03G0355400	1.01437	0.33848	Up	Down
14430	TraesCS3B03G0355400	1.01088	0.4271	Up	Down
14431	TraesCS3B03G0355600	1.85657	0.78536	No	No
14432	TraesCS3B03G0355900	1.32532	1.85346	UP	UP
14433	TraesCS3B03G0356200	1.2638	0.53956	No	No
14435	TraesCS3B03G0359400	0.8987	0.89212	Down	Down
14436	TraesCS3B03G0359800	1.15494	1.0688	UP	UP
14438	TraesCS3B03G0360200	0.88741	0.36126	Down	Down
14442	TraesCS3B03G0362300	1.25757	1.16377	UP	UP
14443	TraesCS3B03G0362500	1.93587	1.30388	UP	UP
14444	TraesCS3B03G0362500	1.29157	0.25091	Up	Down
14445	TraesCS3B03G0364800	0.83952	0.84729	Down	Down
14446	TraesCS3B03G0364900	0.65071	1.51982	No	No
14447	TraesCS3B03G0365000	0.84761	0.94404	Down	Down
14448	TraesCS3B03G0365300	1.16124	1.12745	UP	UP
14449	TraesCS3B03G0365400	1.60441	1.18958	UP	UP
14450	TraesCS3B03G0365600	1.00177	0.7155	No	No
14453	TraesCS3B03G0366600	0.7997	2.35367	Down	Up
14454	TraesCS3B03G0366900	1.00168	0.98448	No	No
14455	TraesCS3B03G0367200	0.87918	0.24476	Down	Down
14458	TraesCS3B03G0369200	0.62375	1.48684	No	No
14459	TraesCS3B03G0370000	1.51506	0.29895	Up	Down
14460	TraesCS3B03G0370200	0.91294	0.43374	Down	Down
14463	TraesCS3B03G0372500	0.90026	0.88958	Down	Down

14464	TraesCS3B03G0374100	1.19317	1.8847	UP	UP
14465	TraesCS3B03G0374300	0.74962	1.34356	No	No
14466	TraesCS3B03G0374400	1.21851	0.797	No	No
14468	TraesCS3B03G0375600	0.63611	2.41173	Down	Up
14469	TraesCS3B03G0378600	0.55214	1.15338	No	No
14470	TraesCS3B03G0378700	0.62921	1.32018	No	No
14471	TraesCS3B03G0379100	0.93588	0.76184	Down	Down
14472	TraesCS3B03G0380100	0.65011	0.95547	Down	Down
14473	TraesCS3B03G0380200	0.76634	1.49039	No	No
14475	TraesCS3B03G0382400	0.99813	0.69953	Down	Down
14476	TraesCS3B03G0382600	0.98348	2.43801	Down	Up
14477	TraesCS3B03G0382900	0.27084	0.07985	Down	Down
14478	TraesCS3B03G0383400	0.88613	1.23313	No	No
14480	TraesCS3B03G0386200	1.12238	0.95367	No	No
14481	TraesCS3B03G0386500	1.30755	0.61306	No	No
14482	TraesCS3B03G0386700	1.65229	1.04877	UP	UP
14483	TraesCS3B03G0386800	0.74397	1.24416	No	No
14484	TraesCS3B03G0387300	1.22697	0.53694	No	No
14485	TraesCS3B03G0387400	0.91504	0.88228	Down	Down
14486	TraesCS3B03G0387400	1.35099	0.91097	No	No
14488	TraesCS3B03G0388100	0.51827	1.97805	No	No
14489	TraesCS3B03G0389200	0.93591	0.83692	Down	Down
14491	TraesCS3B03G0391400	0.63453	3.35669	Down	Up
14492	TraesCS3B03G0391800	0.75677	3.55112	Down	Up
14493	TraesCS3B03G0392000	0.86254	0.78133	Down	Down
14494	TraesCS3B03G0392100	1.03369	0.84	No	No
14495	TraesCS3B03G0392400	1.13005	0.76898	No	No
14496	TraesCS3B03G0393700	0.6071	3.57277	Down	Up
14498	TraesCS3B03G0395700	0.97692	1.21674	No	No
14499	TraesCS3B03G0395800	1.25928	0.7903	No	No
14500	TraesCS3B03G0396200	1.05238	1.31158	UP	UP
14502	TraesCS3B03G0397000	0.80642	2.70281	Down	Up
14503	TraesCS3B03G0397500	1.25553	0.71674	No	No
14504	TraesCS3B03G0398000	0.46549	1.51656	Down	Up
14505	TraesCS3B03G0398400	0.88498	0.08917	Down	Down
14506	TraesCS3B03G0398700	0.70551	0.29059	Down	Down
14507	TraesCS3B03G0399100	1.21616	1.34521	UP	UP
14508	TraesCS3B03G0401100	0.83995	1.06437	No	No
14509	TraesCS3B03G0401400	1.45616	0.34927	Up	Down
14510	TraesCS3B03G0401500	0.90539	0.96355	Down	Down
14511	TraesCS3B03G0402300	0.67492	0.59203	Down	Down
14512	TraesCS3B03G0403700	1.04149	1.50111	UP	UP
14513	TraesCS3B03G0404000	1.04066	1.25134	UP	UP
14514	TraesCS3B03G0407300	1.26963	1.84394	UP	UP
14515	TraesCS3B03G0409400	0.93539	0.40548	Down	Down
14517	TraesCS3B03G0409600	0.77634	0.79873	Down	Down
14518	TraesCS3B03G0411700	1.30513	1.18713	UP	UP
14519	TraesCS3B03G0412100	0.81858	0.8289	Down	Down
14520	TraesCS3B03G0412500	0.99501	1.78263	No	No
14521	TraesCS3B03G0413500	1.27367	0.88691	No	No
14523	TraesCS3B03G0415200	1.0377	0.37322	Up	Down
14525	TraesCS3B03G0416100	1.02773	1.03808	UP	UP

14526	TraesCS3B03G0416400	2.42777	0.66786	Up	Down
14527	TraesCS3B03G0416500	1.20161	0.37693	Up	Down
14528	TraesCS3B03G0416800	0.97241	0.42127	Down	Down
14529	TraesCS3B03G0418200	1.10552	1.15256	UP	UP
14530	TraesCS3B03G0418500	1.03237	0.95066	No	No
14531	TraesCS3B03G0420400	1.09517	0.13178	Up	Down
14532	TraesCS3B03G0420500	1.36624	0.21569	Up	Down
14533	TraesCS3B03G0420800	0.90379	0.51892	Down	Down
14534	TraesCS3B03G0421600	0.85126	1.14828	No	No
14535	TraesCS3B03G0421800	4.48092	0.36203	Up	Down
14536	TraesCS3B03G0421900	0.70462	1.22174	No	No
14538	TraesCS3B03G0422500	1.51452	0.96686	No	No
14539	TraesCS3B03G0423300	1.12726	0.81262	No	No
14540	TraesCS3B03G0423400	1.10311	1.0582	UP	UP
14541	TraesCS3B03G0423600	0.56372	0.59738	Down	Down
14542	TraesCS3B03G0424300	0.90527	2.12834	Down	Up
14543	TraesCS3B03G0425200	0.63127	0.5386	Down	Down
14544	TraesCS3B03G0425500	0.67364	1.16362	No	No
14545	TraesCS3B03G0426100	0.71478	1.87801	No	No
14548	TraesCS3B03G0428100	0.71712	1.11063	No	No
14552	TraesCS3B03G0428800	1.33065	0.64359	No	No
14553	TraesCS3B03G0429000	0.68187	0.70169	Down	Down
14554	TraesCS3B03G0429100	1.51859	0.77017	No	No
14555	TraesCS3B03G0429200	0.9432	0.35522	Down	Down
14557	TraesCS3B03G0431000	0.76834	1.33147	No	No
14558	TraesCS3B03G0431100	1.2148	0.21009	Up	Down
14559	TraesCS3B03G0431300	1.2896	0.62741	No	No
14561	TraesCS3B03G0432400	0.74482	0.97041	Down	Down
14562	TraesCS3B03G0432500	0.92918	0.79962	Down	Down
14563	TraesCS3B03G0433400	0.74567	2.22338	Down	Up
14564	TraesCS3B03G0434200	1.03253	1.26253	UP	UP
14565	TraesCS3B03G0434500	0.8893	0.8989	Down	Down
14566	TraesCS3B03G0435100	0.8637	0.66721	Down	Down
14567	TraesCS3B03G0435200	1.28418	1.38916	UP	UP
14568	TraesCS3B03G0435300	1.5525	0.68245	No	No
14571	TraesCS3B03G0438200	0.84631	1.58005	No	No
14572	TraesCS3B03G0438600	0.91321	1.05535	No	No
14573	TraesCS3B03G0438800	0.93567	1.30666	No	No
14574	TraesCS3B03G0439100	1.19445	0.55212	No	No
14575	TraesCS3B03G0439100	1.76527	0.70498	No	No
14577	TraesCS3B03G0439600	0.94242	1.26606	No	No
14578	TraesCS3B03G0439600	1.1176	1.16148	UP	UP
14583	TraesCS3B03G0442100	0.96221	2.70159	Down	Up
14584	TraesCS3B03G0442100	0.69712	0.40338	Down	Down
14585	TraesCS3B03G0443500	1.07483	1.06457	UP	UP
14586	TraesCS3B03G0443900	1.70785	0.70297	No	No
14587	TraesCS3B03G0444100	1.15318	0.69385	No	No
14588	TraesCS3B03G0444200	1.15359	0.28294	Up	Down
14589	TraesCS3B03G0444300	1.0176	1.25223	UP	UP
14591	TraesCS3B03G0444600	0.83519	0.93587	Down	Down
14592	TraesCS3B03G0444700	0.9835	1.19321	No	No
14594	TraesCS3B03G0446200	0.83081	0.46096	Down	Down

14596	TraesCS3B03G0450100	1.58951	0.63009	No	No
14598	TraesCS3B03G0454000	2.39445	0.81953	Up	Down
14599	TraesCS3B03G0454300	4.71666	0.70782	Up	Down
14600	TraesCS3B03G0454500	2.00619	1.64715	UP	UP
14601	TraesCS3B03G0457300	0.7365	1.01182	No	No
14602	TraesCS3B03G0457500	0.89507	0.23597	Down	Down
14604	TraesCS3B03G0457800	1.0841	0.70856	No	No
14605	TraesCS3B03G0458000	0.89369	0.77166	Down	Down
14606	TraesCS3B03G0459200	0.93157	0.69925	Down	Down
14607	TraesCS3B03G0459500	1.27934	0.64	No	No
14609	TraesCS3B03G0460500	1.0329	1.45104	UP	UP
14610	TraesCS3B03G0460900	1.01507	1.9176	UP	UP
14611	TraesCS3B03G0461100	0.45622	2.64716	Down	Up
14612	TraesCS3B03G0461500	0.61935	0.77148	Down	Down
14613	TraesCS3B03G0461700	0.67748	0.48923	Down	Down
14614	TraesCS3B03G0461900	0.93158	0.94759	Down	Down
14615	TraesCS3B03G0462000	0.9933	0.75044	Down	Down
14616	TraesCS3B03G0463300	0.92985	0.75869	Down	Down
14617	TraesCS3B03G0463400	1.31277	0.62044	No	No
14618	TraesCS3B03G0464200	0.75967	0.58371	Down	Down
14619	TraesCS3B03G0464400	0.80419	1.46752	No	No
14621	TraesCS3B03G0465000	2.13449	0.99954	Up	Down
14622	TraesCS3B03G0465400	1.06453	2.34257	Up	Up
14624	TraesCS3B03G0466800	1.07396	1.55059	UP	UP
14625	TraesCS3B03G0468000	1.2203	0.81778	No	No
14626	TraesCS3B03G0468100	1.20512	0.71662	No	No
14627	TraesCS3B03G0468400	0.55123	0.62982	Down	Down
14630	TraesCS3B03G0476400	1.31734	0.98519	No	No
14631	TraesCS3B03G0476500	0.81423	0.71813	Down	Down
14632	TraesCS3B03G0476800	1.22791	0.99933	No	No
14633	TraesCS3B03G0477400	1.04565	1.99333	UP	UP
14634	TraesCS3B03G0478000	1.55533	1.88692	UP	UP
14635	TraesCS3B03G0478100	1.1974	3.10196	Up	Up
14637	TraesCS3B03G0478400	1.00406	2.92504	Up	Up
14641	TraesCS3B03G0481200	1.00073	1.772	UP	UP
14642	TraesCS3B03G0481800	0.91506	1.07759	No	No
14643	TraesCS3B03G0481900	0.80402	0.81732	Down	Down
14644	TraesCS3B03G0484100	1.12174	1.13371	UP	UP
14645	TraesCS3B03G0484300	0.88871	1.08521	No	No
14646	TraesCS3B03G0484700	1.20683	3.20629	Up	Up
14647	TraesCS3B03G0485300	1.14708	0.60996	No	No
14648	TraesCS3B03G0486300	0.69093	2.52254	Down	Up
14649	TraesCS3B03G0486400	2.13461	1.60942	Up	Up
14650	TraesCS3B03G0487000	1.04267	2.0976	Up	Up
14651	TraesCS3B03G0487600	0.52657	0.52072	Down	Down
14652	TraesCS3B03G0488500	0.54843	0.55572	Down	Down
14653	TraesCS3B03G0488800	0.86314	1.28569	No	No
14654	TraesCS3B03G0488900	1.22773	0.53805	No	No
14655	TraesCS3B03G0489300	2.69325	0.48892	Up	Down
14659	TraesCS3B03G0491300	1.52006	1.00824	UP	UP
14660	TraesCS3B03G0492100	0.73344	1.54085	No	No
14661	TraesCS3B03G0492200	1.23971	1.18232	UP	UP

14662	TraesCS3B03G0492900	1.00321	1.67284	UP	UP
14663	TraesCS3B03G0493000	1.15209	1.26658	UP	UP
14664	TraesCS3B03G0493800	0.98184	0.65716	Down	Down
14665	TraesCS3B03G0494100	0.97727	1.49546	No	No
14667	TraesCS3B03G0494500	0.97394	1.2574	No	No
14668	TraesCS3B03G0494900	0.88313	1.49623	No	No
14669	TraesCS3B03G0495700	1.35715	1.2561	UP	UP
14670	TraesCS3B03G0495800	1.19056	1.79443	UP	UP
14671	TraesCS3B03G0496500	1.34662	0.75575	No	No
14672	TraesCS3B03G0496600	1.25912	1.349	UP	UP
14673	TraesCS3B03G0496800	1.10605	6.99709	Up	Up
14674	TraesCS3B03G0497800	0.98309	0.83853	Down	Down
14675	TraesCS3B03G0497900	0.8861	1.40251	No	No
14676	TraesCS3B03G0498100	0.36834	1.8837	Down	Up
14677	TraesCS3B03G0498200	0.9557	1.35648	No	No
14678	TraesCS3B03G0498300	0.99385	0.83942	Down	Down
14679	TraesCS3B03G0498500	1.18219	0.74181	No	No
14680	TraesCS3B03G0498500	1.63048	0.92421	No	No
14682	TraesCS3B03G0498700	1.03311	0.7646	No	No
14683	TraesCS3B03G0499300	0.83887	2.03437	Down	Up
14686	TraesCS3B03G0500600	1.02519	1.52808	UP	UP
14687	TraesCS3B03G0501300	0.80616	0.84858	Down	Down
14689	TraesCS3B03G0501700	1.03842	1.06518	UP	UP
14690	TraesCS3B03G0502200	0.97853	1.37408	No	No
14691	TraesCS3B03G0502900	1.13511	1.33194	UP	UP
14692	TraesCS3B03G0504000	0.65921	1.38258	No	No
14693	TraesCS3B03G0504200	1.04598	4.67119	Up	Up
14694	TraesCS3B03G0504200	1.16912	0.44322	Up	Down
14695	TraesCS3B03G0504300	0.96603	2.47158	Down	Up
14696	TraesCS3B03G0504500	1.22166	1.28642	UP	UP
14697	TraesCS3B03G0504600	1.14594	0.48384	Up	Down
14698	TraesCS3B03G0505900	1.50831	0.73279	No	No
14699	TraesCS3B03G0506300	1.11966	0.96449	No	No
14700	TraesCS3B03G0508700	1.04802	1.88798	UP	UP
14701	TraesCS3B03G0508900	1.17768	0.18252	Up	Down
14706	TraesCS3B03G0513000	0.88014	1.14266	No	No
14707	TraesCS3B03G0513500	0.81501	1.29556	No	No
14708	TraesCS3B03G0513500	0.82579	2.2931	Down	Up
14709	TraesCS3B03G0513600	0.90829	1.15336	No	No
14710	TraesCS3B03G0514000	0.64679	1.09473	No	No
14711	TraesCS3B03G0514100	0.75366	1.64955	No	No
14712	TraesCS3B03G0514200	0.7554	0.6264	Down	Down
14713	TraesCS3B03G0514300	0.96974	1.04128	No	No
14714	TraesCS3B03G0516600	1.26618	0.57866	No	No
14715	TraesCS3B03G0516800	0.99545	1.84773	No	No
14716	TraesCS3B03G0517900	1.46587	0.25026	Up	Down
14717	TraesCS3B03G0518200	0.75281	1.25959	No	No
14718	TraesCS3B03G0518700	1.12339	0.92185	No	No
14719	TraesCS3B03G0518800	0.90685	0.95951	Down	Down
14720	TraesCS3B03G0518900	1.18269	1.05874	UP	UP
14721	TraesCS3B03G0519000	0.82965	1.42574	No	No
14722	TraesCS3B03G0519800	0.8996	1.18189	No	No

14723	TraesCS3B03G0520500	0.74595	0.77947	Down	Down
14724	TraesCS3B03G0521300	1.16324	1.78684	UP	UP
14725	TraesCS3B03G0521600	0.80625	0.93151	Down	Down
14726	TraesCS3B03G0521900	1.41917	1.60415	UP	UP
14727	TraesCS3B03G0522100	0.91349	1.60378	No	No
14728	TraesCS3B03G0522200	0.91494	0.76677	Down	Down
14729	TraesCS3B03G0522700	0.7387	2.16539	Down	Up
14730	TraesCS3B03G0522800	0.90111	0.88078	Down	Down
14731	TraesCS3B03G0523200	1.12429	1.16938	UP	UP
14732	TraesCS3B03G0524100	1.27916	1.29412	UP	UP
14733	TraesCS3B03G0524200	1.44974	0.82771	No	No
14734	TraesCS3B03G0524400	0.56006	3.19729	Down	Up
14735	TraesCS3B03G0524500	0.56614	0.61067	Down	Down
14736	TraesCS3B03G0524600	0.8227	1.30349	No	No
14737	TraesCS3B03G0524800	0.98835	0.7591	Down	Down
14738	TraesCS3B03G0525100	1.12805	0.68419	No	No
14739	TraesCS3B03G0526300	1.03855	1.12022	UP	UP
14740	TraesCS3B03G0526400	1.43747	1.71699	UP	UP
14741	TraesCS3B03G0527400	0.72204	1.69161	No	No
14742	TraesCS3B03G0528800	0.71509	1.13941	No	No
14743	TraesCS3B03G0528900	0.77669	1.55056	No	No
14744	TraesCS3B03G0529400	0.80998	1.1933	No	No
14745	TraesCS3B03G0529500	1.13339	1.25224	UP	UP
14746	TraesCS3B03G0529600	0.60027	0.55123	Down	Down
14747	TraesCS3B03G0529900	1.2058	1.25922	UP	UP
14748	TraesCS3B03G0530200	0.85491	1.42403	No	No
14749	TraesCS3B03G0530500	0.86055	0.89572	Down	Down
14750	TraesCS3B03G0531200	1.4781	1.05297	UP	UP
14751	TraesCS3B03G0531600	1.15563	1.39731	UP	UP
14752	TraesCS3B03G0531700	0.90611	0.49089	Down	Down
14753	TraesCS3B03G0532100	0.68212	0.20878	Down	Down
14754	TraesCS3B03G0532300	0.82656	0.86031	Down	Down
14755	TraesCS3B03G0532800	0.6605	1.66887	No	No
14756	TraesCS3B03G0533600	1.20993	0.25877	Up	Down
14760	TraesCS3B03G0534500	1.22469	0.27191	Up	Down
14761	TraesCS3B03G0534500	1.29352	1.54943	UP	UP
14763	TraesCS3B03G0535100	0.86776	0.79397	Down	Down
14764	TraesCS3B03G0535500	1.56351	0.18365	Up	Down
14768	TraesCS3B03G0536300	1.52528	1.23269	UP	UP
14770	TraesCS3B03G0536900	0.76718	1.73015	No	No
14771	TraesCS3B03G0537600	0.81658	3.3924	Down	Up
14772	TraesCS3B03G0539800	0.68664	2.69711	Down	Up
14773	TraesCS3B03G0540400	0.87027	2.13414	Down	Up
14779	TraesCS3B03G0542400	1.2258	1.05912	UP	UP
14781	TraesCS3B03G0544000	1.03262	0.45466	Up	Down
14782	TraesCS3B03G0544400	1.30681	0.34311	Up	Down
14783	TraesCS3B03G0544600	0.79574	0.48872	Down	Down
14785	TraesCS3B03G0545200	0.81875	0.94526	Down	Down
14786	TraesCS3B03G0546000	0.84053	4.25743	Down	Up
14787	TraesCS3B03G0546500	1.06003	0.67005	No	No
14788	TraesCS3B03G0548100	0.71753	1.00231	No	No
14789	TraesCS3B03G0549400	0.92561	1.71377	No	No

14790	TraesCS3B03G0550600	1.11267	1.20604	UP	UP
14791	TraesCS3B03G0551500	0.98075	0.79059	Down	Down
14792	TraesCS3B03G0551900	0.78228	1.30855	No	No
14794	TraesCS3B03G0553200	1.00934	0.93383	No	No
14795	TraesCS3B03G0553800	1.07852	1.63957	UP	UP
14796	TraesCS3B03G0553900	1.22362	1.79405	UP	UP
14797	TraesCS3B03G0554700	0.89861	1.61675	No	No
14798	TraesCS3B03G0554700	0.87022	1.51058	No	No
14799	TraesCS3B03G0555900	0.66793	1.53491	No	No
14802	TraesCS3B03G0557300	1.1066	1.1514	UP	UP
14803	TraesCS3B03G0559800	0.28644	0.50165	Down	Down
14804	TraesCS3B03G0560100	1.1288	0.6795	No	No
14805	TraesCS3B03G0560400	1.01784	1.4939	UP	UP
14806	TraesCS3B03G0560400	0.86493	1.27669	No	No
14807	TraesCS3B03G0561300	1.21311	1.10036	UP	UP
14809	TraesCS3B03G0563300	1.1998	3.25297	Up	Up
14811	TraesCS3B03G0565600	1.32242	1.34708	UP	UP
14812	TraesCS3B03G0566100	1.2981	0.65578	No	No
14813	TraesCS3B03G0566300	0.77472	3.88693	Down	Up
14818	TraesCS3B03G0569200	1.4235	0.55844	No	No
14821	TraesCS3B03G0570100	1.11687	1.52361	UP	UP
14823	TraesCS3B03G0571200	0.83692	1.03277	No	No
14825	TraesCS3B03G0572600	0.75985	2.36802	Down	Up
14826	TraesCS3B03G0574100	0.4713	1.03961	Down	Up
14827	TraesCS3B03G0574300	1.13483	0.65699	No	No
14829	TraesCS3B03G0576300	1.12161	1.13644	UP	UP
14830	TraesCS3B03G0577400	0.99661	1.14285	No	No
14832	TraesCS3B03G0577700	1.14623	1.05206	UP	UP
14833	TraesCS3B03G0579400	1.05864	0.93607	No	No
14836	TraesCS3B03G0583200	1.13661	0.80298	No	No
14837	TraesCS3B03G0584000	1.20063	1.03923	UP	UP
14839	TraesCS3B03G0584800	1.22014	1.64705	UP	UP
14840	TraesCS3B03G0585500	0.88762	0.87844	Down	Down
14841	TraesCS3B03G0587100	1.12929	1.40304	UP	UP
14842	TraesCS3B03G0588500	0.76008	1.14215	No	No
14843	TraesCS3B03G0591200	0.91225	1.24607	No	No
14844	TraesCS3B03G0591200	0.78099	1.22903	No	No
14846	TraesCS3B03G0591600	1.01092	1.22488	UP	UP
14847	TraesCS3B03G0592100	0.86203	1.47459	No	No
14848	TraesCS3B03G0592100	0.77061	0.9011	Down	Down
14849	TraesCS3B03G0592400	0.84186	2.14227	Down	Up
14850	TraesCS3B03G0592400	0.59261	0.90749	Down	Down
14851	TraesCS3B03G0595600	1.07509	0.66313	No	No
14852	TraesCS3B03G0596300	1.13456	1.09065	UP	UP
14853	TraesCS3B03G0597200	1.08229	0.82048	No	No
14855	TraesCS3B03G0598100	0.80621	0.70267	Down	Down
14856	TraesCS3B03G0598400	0.92356	1.89406	No	No
14860	TraesCS3B03G0599300	1.08923	1.46039	UP	UP
14861	TraesCS3B03G0600400	0.84682	0.87506	Down	Down
14862	TraesCS3B03G0600500	0.60851	1.46993	No	No
14863	TraesCS3B03G0600800	0.94582	1.22094	No	No
14865	TraesCS3B03G0601500	0.90998	3.53048	Down	Up

14866	TraesCS3B03G0602400	0.74976	0.62489	Down	Down
14867	TraesCS3B03G0603900	0.77403	0.47032	Down	Down
14868	TraesCS3B03G0604000	0.9273	0.63294	Down	Down
14869	TraesCS3B03G0604100	0.91702	0.85437	Down	Down
14871	TraesCS3B03G0604700	0.98964	1.91426	No	No
14877	TraesCS3B03G0605700	1.03805	2.01975	Up	Up
14878	TraesCS3B03G0605900	0.81219	1.4199	No	No
14879	TraesCS3B03G0607000	1.28946	0.69941	No	No
14880	TraesCS3B03G0607900	0.91282	1.36061	No	No
14882	TraesCS3B03G0608800	1.46021	0.27533	Up	Down
14883	TraesCS3B03G0609400	1.21713	1.06154	UP	UP
14884	TraesCS3B03G0609400	0.50785	0.61466	Down	Down
14887	TraesCS3B03G0612200	1.07268	1.68627	UP	UP
14889	TraesCS3B03G0613100	0.96737	0.969	Down	Down
14890	TraesCS3B03G0613700	1.18279	0.81379	No	No
14891	TraesCS3B03G0614200	0.74218	1.90358	No	No
14893	TraesCS3B03G0614400	1.15336	7.12198	Up	Up
14894	TraesCS3B03G0614900	0.98446	0.61849	Down	Down
14895	TraesCS3B03G0615200	0.78739	1.36011	No	No
14896	TraesCS3B03G0615500	1.44866	1.00843	UP	UP
14897	TraesCS3B03G0615600	1.34173	1.5191	UP	UP
14898	TraesCS3B03G0615700	1.14489	0.87378	No	No
14899	TraesCS3B03G0616400	0.94382	1.18489	No	No
14900	TraesCS3B03G0616600	1.17228	0.55247	No	No
14901	TraesCS3B03G0616900	1.08181	1.25741	UP	UP
14903	TraesCS3B03G0617400	0.93472	1.06256	No	No
14904	TraesCS3B03G0617900	0.94375	4.39172	Down	Up
14905	TraesCS3B03G0618500	1.41514	1.1731	UP	UP
14906	TraesCS3B03G0619100	1.21578	0.34184	Up	Down
14907	TraesCS3B03G0622500	0.95222	0.69456	Down	Down
14908	TraesCS3B03G0622900	1.11155	0.83997	No	No
14909	TraesCS3B03G0623400	1.06835	1.35527	UP	UP
14910	TraesCS3B03G0623800	1.02725	0.94484	No	No
14911	TraesCS3B03G0624200	0.97546	0.45442	Down	Down
14912	TraesCS3B03G0624500	1.00126	1.02429	UP	UP
14913	TraesCS3B03G0624800	0.89774	11.6465	Down	Up
14914	TraesCS3B03G0625300	0.79488	0.94093	Down	Down
14915	TraesCS3B03G0625500	0.7953	1.69345	No	No
14916	TraesCS3B03G0626600	0.86078	0.85464	Down	Down
14917	TraesCS3B03G0626700	1.01726	0.94152	No	No
14918	TraesCS3B03G0627000	1.42164	12.1907	Up	Up
14919	TraesCS3B03G0627300	1.18295	1.71981	UP	UP
14920	TraesCS3B03G0627700	1.25662	0.48053	Up	Down
14921	TraesCS3B03G0628400	1.03577	1.02841	UP	UP
14922	TraesCS3B03G0628500	0.91713	1.41341	No	No
14923	TraesCS3B03G0628500	1.81291	0.92243	No	No
14924	TraesCS3B03G0628900	0.83121	1.53046	No	No
14925	TraesCS3B03G0629400	0.61604	1.59002	No	No
14926	TraesCS3B03G0629700	0.73498	0.67343	Down	Down
14927	TraesCS3B03G0629800	0.74402	1.17693	No	No
14928	TraesCS3B03G0630600	1.14406	1.27496	UP	UP
14929	TraesCS3B03G0630900	0.96013	0.54563	Down	Down

14930	TraesCS3B03G0631000	0.85971	1.03946	No	No
14931	TraesCS3B03G0631400	1.34301	0.8942	No	No
14932	TraesCS3B03G0632800	0.72587	0.32453	Down	Down
14933	TraesCS3B03G0633000	1.15837	1.56937	UP	UP
14934	TraesCS3B03G0633900	1.18298	0.79591	No	No
14935	TraesCS3B03G0635500	0.66286	1.80032	No	No
14936	TraesCS3B03G0635900	1.01644	1.15632	UP	UP
14937	TraesCS3B03G0637200	1.17897	0.77936	No	No
14942	TraesCS3B03G0637800	0.87785	0.89753	Down	Down
14943	TraesCS3B03G0638400	0.90708	0.9971	Down	Down
14944	TraesCS3B03G0638600	0.75236	1.04771	No	No
14945	TraesCS3B03G0639700	0.74628	0.69809	Down	Down
14947	TraesCS3B03G0640500	0.81494	2.18127	Down	Up
14948	TraesCS3B03G0640700	1.07592	1.43344	UP	UP
14949	TraesCS3B03G0640700	1.30417	1.59055	UP	UP
14950	TraesCS3B03G0640800	0.98527	1.04276	No	No
14951	TraesCS3B03G0641000	1.68574	0.71722	No	No
14953	TraesCS3B03G0641500	0.89206	1.56189	No	No
14955	TraesCS3B03G0643600	0.76373	2.06826	Down	Up
14956	TraesCS3B03G0643900	1.3067	1.28289	UP	UP
14957	TraesCS3B03G0644600	1.06981	1.20665	UP	UP
14958	TraesCS3B03G0645100	0.877	1.57003	No	No
14959	TraesCS3B03G0645900	1.10373	0.9626	No	No
14960	TraesCS3B03G0646300	1.53674	0.36745	Up	Down
14961	TraesCS3B03G0646600	0.91594	0.67923	Down	Down
14965	TraesCS3B03G0648700	1.88203	0.39115	Up	Down
14966	TraesCS3B03G0649000	0.65587	3.01144	Down	Up
14967	TraesCS3B03G0649300	0.9706	1.551	No	No
14968	TraesCS3B03G0649700	0.78364	2.03246	Down	Up
14969	TraesCS3B03G0649900	0.95312	1.12706	No	No
14970	TraesCS3B03G0650000	0.89588	0.99004	Down	Down
14971	TraesCS3B03G0650600	0.85448	1.14465	No	No
14972	TraesCS3B03G0650900	0.89676	1.38919	No	No
14973	TraesCS3B03G0651800	1.1972	1.01129	UP	UP
14974	TraesCS3B03G0652300	1.09034	0.93001	No	No
14975	TraesCS3B03G0652600	0.89286	0.87137	Down	Down
14976	TraesCS3B03G0652900	0.74344	1.19727	No	No
14977	TraesCS3B03G0653200	0.88466	1.03586	No	No
14978	TraesCS3B03G0653900	1.13859	0.82827	No	No
14979	TraesCS3B03G0654000	0.71273	0.82207	Down	Down
14980	TraesCS3B03G0654500	1.05073	1.33991	UP	UP
14981	TraesCS3B03G0654600	0.8993	2.48654	Down	Up
14982	TraesCS3B03G0654800	0.64818	1.52959	No	No
14983	TraesCS3B03G0654900	1.13207	1.05182	UP	UP
14986	TraesCS3B03G0655900	0.82795	1.63948	No	No
14987	TraesCS3B03G0656600	1.08533	1.09009	UP	UP
14988	TraesCS3B03G0657600	0.85696	1.23039	No	No
14989	TraesCS3B03G0658700	2.32861	0.75159	Up	Down
14990	TraesCS3B03G0658800	1.33419	0.47868	Up	Down
14991	TraesCS3B03G0658900	0.96983	0.48928	Down	Down
14992	TraesCS3B03G0659500	0.96522	0.9094	Down	Down
14993	TraesCS3B03G0659900	0.97063	0.5896	Down	Down

14994	TraesCS3B03G0660000	1.15913	1.13439	UP	UP
14999	TraesCS3B03G0661400	1.64422	0.47318	Up	Down
15001	TraesCS3B03G0662100	1.16614	1.22436	UP	UP
15002	TraesCS3B03G0662700	0.97907	0.6372	Down	Down
15003	TraesCS3B03G0663100	0.9731	1.24517	No	No
15004	TraesCS3B03G0663200	1.1437	0.78091	No	No
15005	TraesCS3B03G0663800	0.76277	0.72318	Down	Down
15006	TraesCS3B03G0663900	0.88779	0.998	Down	Down
15009	TraesCS3B03G0664300	0.83759	1.08112	No	No
15010	TraesCS3B03G0664900	5.62169	0.28031	Up	Down
15012	TraesCS3B03G0665400	0.30378	1.28567	Down	Up
15015	TraesCS3B03G0666200	0.81574	1.96327	No	No
15017	TraesCS3B03G0667300	1.02816	1.48205	UP	UP
15018	TraesCS3B03G0667400	0.77123	1.55778	No	No
15019	TraesCS3B03G0668900	1.19379	0.99741	No	No
15020	TraesCS3B03G0669000	1.01492	0.65177	No	No
15021	TraesCS3B03G0671300	0.73157	0.64721	Down	Down
15022	TraesCS3B03G0672500	1.34778	2.01418	Up	Up
15023	TraesCS3B03G0672900	0.87944	0.71314	Down	Down
15024	TraesCS3B03G0673300	1.02737	1.30224	UP	UP
15025	TraesCS3B03G0675200	1.09098	0.12901	Up	Down
15026	TraesCS3B03G0675200	1.02767	0.1401	Up	Down
15027	TraesCS3B03G0675700	1.33648	2.09114	Up	Up
15028	TraesCS3B03G0675900	0.8911	0.57281	Down	Down
15029	TraesCS3B03G0676000	0.74655	0.83496	Down	Down
15030	TraesCS3B03G0676200	0.80223	1.56366	No	No
15031	TraesCS3B03G0676500	0.93498	1.10033	No	No
15032	TraesCS3B03G0676600	0.93457	0.93546	Down	Down
15033	TraesCS3B03G0677100	0.48515	0.43406	Down	Down
15035	TraesCS3B03G0678600	1.19763	1.77635	UP	UP
15036	TraesCS3B03G0679400	2.46829	1.34684	Up	Up
15038	TraesCS3B03G0681200	1.50415	0.56849	No	No
15039	TraesCS3B03G0683500	0.56033	0.92011	Down	Down
15040	TraesCS3B03G0683700	0.82139	1.35977	No	No
15041	TraesCS3B03G0684600	1.07991	1.30937	UP	UP
15042	TraesCS3B03G0685000	0.80453	1.22808	No	No
15043	TraesCS3B03G0685000	1.75615	1.58686	UP	UP
15044	TraesCS3B03G0686400	0.61633	2.19682	Down	Up
15045	TraesCS3B03G0686500	1.54011	0.91543	No	No
15046	TraesCS3B03G0686600	1.1797	1.12673	UP	UP
15048	TraesCS3B03G0690100	0.75718	1.84733	No	No
15049	TraesCS3B03G0690300	1.39497	1.25245	UP	UP
15050	TraesCS3B03G0690400	1.33211	1.87148	UP	UP
15051	TraesCS3B03G0690600	1.09944	0.89605	No	No
15052	TraesCS3B03G0690800	1.1535	0.92094	No	No
15053	TraesCS3B03G0691000	1.07446	0.96745	No	No
15054	TraesCS3B03G0691300	0.63851	0.64466	Down	Down
15055	TraesCS3B03G0691400	1.39146	0.93559	No	No
15057	TraesCS3B03G0692100	1.72057	0.27872	Up	Down
15058	TraesCS3B03G0692400	0.96853	0.63189	Down	Down
15059	TraesCS3B03G0692500	2.67364	0.2694	Up	Down
15060	TraesCS3B03G0693000	1.14181	0.4308	Up	Down

15061	TraesCS3B03G0693300	1.0187	1.2184	UP	UP
15064	TraesCS3B03G0695000	0.87921	1.53819	No	No
15065	TraesCS3B03G0695500	1.08708	0.79625	No	No
15066	TraesCS3B03G0696400	0.8579	0.72952	Down	Down
15068	TraesCS3B03G0696700	1.03056	1.96215	UP	UP
15070	TraesCS3B03G0697000	1.21169	0.56795	No	No
15071	TraesCS3B03G0697100	0.92495	1.3501	No	No
15072	TraesCS3B03G0697200	1.0725	0.42967	Up	Down
15073	TraesCS3B03G0697400	1.15866	0.66827	No	No
15074	TraesCS3B03G0697900	1.06271	0.68023	No	No
15075	TraesCS3B03G0698000	0.84708	0.74266	Down	Down
15076	TraesCS3B03G0698100	0.73974	0.4291	Down	Down
15079	TraesCS3B03G0699500	1.35618	0.81942	No	No
15080	TraesCS3B03G0699600	0.78733	0.96067	Down	Down
15081	TraesCS3B03G0699600	1.11386	0.70637	No	No
15083	TraesCS3B03G0700000	1.06283	0.47738	Up	Down
15084	TraesCS3B03G0700000	1.11976	0.39686	Up	Down
15085	TraesCS3B03G0700100	1.23164	0.68138	No	No
15087	TraesCS3B03G0700800	0.92842	0.63102	Down	Down
15088	TraesCS3B03G0701100	1.07212	2.69311	Up	Up
15089	TraesCS3B03G0701300	0.94689	1.06161	No	No
15090	TraesCS3B03G0701500	2.52616	1.46233	Up	Up
15091	TraesCS3B03G0702000	0.57948	2.77458	Down	Up
15092	TraesCS3B03G0702700	1.28645	1.44601	UP	UP
15093	TraesCS3B03G0702900	1.28646	0.29587	Up	Down
15094	TraesCS3B03G0703300	1.02108	1.20382	UP	UP
15095	TraesCS3B03G0703500	0.61114	0.86682	Down	Down
15097	TraesCS3B03G0703900	1.51969	0.33841	Up	Down
15098	TraesCS3B03G0704600	0.77352	4.68746	Down	Up
15099	TraesCS3B03G0704700	1.28376	2.14601	Up	Up
15100	TraesCS3B03G0704800	1.01935	1.46791	UP	UP
15101	TraesCS3B03G0704900	1.02893	1.17006	UP	UP
15102	TraesCS3B03G0705400	1.04034	1.45979	UP	UP
15103	TraesCS3B03G0707000	1.28817	0.48987	Up	Down
15104	TraesCS3B03G0708300	0.75489	2.31931	Down	Up
15105	TraesCS3B03G0708300	0.86166	3.46645	Down	Up
15106	TraesCS3B03G0708400	0.94914	2.82294	Down	Up
15107	TraesCS3B03G0710000	0.81862	0.77628	Down	Down
15108	TraesCS3B03G0711400	1.02361	0.80816	No	No
15110	TraesCS3B03G0713100	0.98729	0.47672	Down	Down
15111	TraesCS3B03G0713900	1.22517	2.79573	Up	Up
15112	TraesCS3B03G0714000	1.17401	1.23296	UP	UP
15113	TraesCS3B03G0714500	1.20716	4.38151	Up	Up
15115	TraesCS3B03G0714900	1.14112	0.97252	No	No
15116	TraesCS3B03G0715900	0.61725	0.97151	Down	Down
15117	TraesCS3B03G0716500	0.81171	2.36513	Down	Up
15118	TraesCS3B03G0716600	0.89935	1.09128	No	No
15119	TraesCS3B03G0716900	0.89448	1.33414	No	No
15120	TraesCS3B03G0717000	1.44604	0.67962	No	No
15121	TraesCS3B03G0717500	1.5343	1.29249	UP	UP
15122	TraesCS3B03G0718600	0.79396	0.86761	Down	Down
15123	TraesCS3B03G0718700	0.82001	0.33145	Down	Down

15125	TraesCS3B03G0719800	0.8717	0.47209	Down	Down
15126	TraesCS3B03G0721600	0.80839	1.01044	No	No
15127	TraesCS3B03G0721900	1.52505	0.21265	Up	Down
15128	TraesCS3B03G0722400	0.98597	0.8999	Down	Down
15129	TraesCS3B03G0722500	1.63291	1.94069	UP	UP
15130	TraesCS3B03G0722800	1.18714	0.19448	Up	Down
15131	TraesCS3B03G0723600	0.77832	1.26418	No	No
15132	TraesCS3B03G0723900	1.0398	1.98868	UP	UP
15133	TraesCS3B03G0724100	0.94552	1.98505	No	No
15134	TraesCS3B03G0724700	0.77598	1.5414	No	No
15135	TraesCS3B03G0725400	0.7392	1.2114	No	No
15136	TraesCS3B03G0725500	1.064	1.37173	UP	UP
15137	TraesCS3B03G0725500	0.77514	1.02297	No	No
15138	TraesCS3B03G0725800	0.94083	0.87596	Down	Down
15139	TraesCS3B03G0726300	0.55182	1.51406	No	No
15140	TraesCS3B03G0726400	0.99784	0.89526	Down	Down
15141	TraesCS3B03G0726400	0.84832	0.3021	Down	Down
15145	TraesCS3B03G0727300	0.9905	0.97568	Down	Down
15146	TraesCS3B03G0727900	1.05571	1.2201	UP	UP
15147	TraesCS3B03G0728400	0.65979	1.67519	No	No
15148	TraesCS3B03G0728700	0.67229	1.7346	No	No
15149	TraesCS3B03G0728800	0.71204	0.66337	Down	Down
15151	TraesCS3B03G0730300	2.20812	1.26506	Up	Up
15152	TraesCS3B03G0730900	0.68834	2.19826	Down	Up
15153	TraesCS3B03G0731500	0.73231	1.46734	No	No
15154	TraesCS3B03G0732200	0.60469	1.60186	No	No
15155	TraesCS3B03G0732500	1.9618	1.51001	UP	UP
15156	TraesCS3B03G0732700	1.28096	1.17927	UP	UP
15157	TraesCS3B03G0733400	0.68106	0.49848	Down	Down
15158	TraesCS3B03G0734200	1.27945	0.46403	Up	Down
15159	TraesCS3B03G0734400	1.46312	0.47416	Up	Down
15160	TraesCS3B03G0734500	1.94525	0.52324	No	No
15161	TraesCS3B03G0734800	1.04521	0.90603	No	No
15162	TraesCS3B03G0735400	1.01344	1.58135	UP	UP
15163	TraesCS3B03G0735500	1.16538	1.40593	UP	UP
15164	TraesCS3B03G0737800	1.4771	1.23301	UP	UP
15165	TraesCS3B03G0737800	1.62874	0.44907	Up	Down
15166	TraesCS3B03G0738300	1.78056	0.31373	Up	Down
15168	TraesCS3B03G0741000	0.81135	0.90637	Down	Down
15170	TraesCS3B03G0743500	1.38362	1.05519	UP	UP
15173	TraesCS3B03G0744100	1.22634	1.5586	UP	UP
15174	TraesCS3B03G0744800	0.79517	1.13821	No	No
15175	TraesCS3B03G0745800	0.80244	0.17632	Down	Down
15177	TraesCS3B03G0746500	1.20511	1.28289	UP	UP
15178	TraesCS3B03G0746700	0.7622	1.15342	No	No
15179	TraesCS3B03G0747800	1.25163	0.66772	No	No
15180	TraesCS3B03G0748500	0.72528	4.174	Down	Up
15183	TraesCS3B03G0752900	1.20819	1.79771	UP	UP
15184	TraesCS3B03G0753200	1.95025	0.82621	No	No
15186	TraesCS3B03G0755300	0.93571	0.93062	Down	Down
15187	TraesCS3B03G0755400	0.91873	1.24615	No	No
15188	TraesCS3B03G0756300	0.73312	0.70078	Down	Down

15189	TraesCS3B03G0756500	0.69282	0.42726	Down	Down
15190	TraesCS3B03G0756900	0.95681	1.37006	No	No
15191	TraesCS3B03G0757200	0.81851	1.94162	No	No
15192	TraesCS3B03G0758500	1.04981	1.53815	UP	UP
15193	TraesCS3B03G0758800	1.34278	0.22361	Up	Down
15194	TraesCS3B03G0759400	1.30801	1.10784	UP	UP
15195	TraesCS3B03G0759800	0.90584	1.26858	No	No
15196	TraesCS3B03G0760100	1.02284	1.36497	UP	UP
15197	TraesCS3B03G0761100	0.77771	0.53559	Down	Down
15198	TraesCS3B03G0762100	0.46385	8.30976	Down	Up
15199	TraesCS3B03G0762200	0.53318	3.88501	Down	Up
15200	TraesCS3B03G0762200	1.36703	6.18874	Up	Up
15201	TraesCS3B03G0762200	0.69431	0.83256	Down	Down
15202	TraesCS3B03G0762400	0.87445	0.92209	Down	Down
15203	TraesCS3B03G0763800	1.14356	0.97342	No	No
15204	TraesCS3B03G0764400	0.78468	1.08711	No	No
15205	TraesCS3B03G0765100	0.56492	1.99921	No	No
15206	TraesCS3B03G0765400	0.72093	2.62379	Down	Up
15207	TraesCS3B03G0765600	1.10938	1.24867	UP	UP
15208	TraesCS3B03G0765900	0.98195	0.43121	Down	Down
15209	TraesCS3B03G0766400	0.61047	1.21259	No	No
15210	TraesCS3B03G0766600	0.99309	1.63486	No	No
15211	TraesCS3B03G0767100	0.83257	2.31226	Down	Up
15212	TraesCS3B03G0767600	0.69389	1.10559	No	No
15213	TraesCS3B03G0769100	0.95854	1.40099	No	No
15214	TraesCS3B03G0769900	0.70081	0.51925	Down	Down
15215	TraesCS3B03G0770700	1.17793	1.43769	UP	UP
15216	TraesCS3B03G0770900	0.99563	0.50295	Down	Down
15218	TraesCS3B03G0771100	1.18789	0.30999	Up	Down
15219	TraesCS3B03G0771400	0.8861	0.8978	Down	Down
15220	TraesCS3B03G0771600	0.93246	1.42995	No	No
15221	TraesCS3B03G0771700	1.01942	0.7819	No	No
15222	TraesCS3B03G0772100	0.89467	1.07813	No	No
15223	TraesCS3B03G0772200	0.48301	6.12005	Down	Up
15224	TraesCS3B03G0772300	0.8652	1.12625	No	No
15225	TraesCS3B03G0772400	0.92168	1.38525	No	No
15226	TraesCS3B03G0773200	1.21756	0.7369	No	No
15227	TraesCS3B03G0773500	0.89311	1.2933	No	No
15229	TraesCS3B03G0774500	1.40262	0.81747	No	No
15230	TraesCS3B03G0775000	1.10717	0.99185	No	No
15231	TraesCS3B03G0776900	0.98577	1.51103	No	No
15232	TraesCS3B03G0777200	0.73955	2.97088	Down	Up
15234	TraesCS3B03G0778700	1.0806	0.57724	No	No
15235	TraesCS3B03G0779200	0.68857	1.34947	No	No
15236	TraesCS3B03G0779400	0.98551	1.58765	No	No
15237	TraesCS3B03G0779700	1.06586	1.1451	UP	UP
15238	TraesCS3B03G0779800	0.8265	1.3151	No	No
15239	TraesCS3B03G0780000	1.5579	1.04787	UP	UP
15240	TraesCS3B03G0780100	0.81303	0.40049	Down	Down
15241	TraesCS3B03G0780200	1.24531	1.41519	UP	UP
15242	TraesCS3B03G0780300	0.81743	5.98582	Down	Up
15243	TraesCS3B03G0780600	1.40434	1.26118	UP	UP

15244	TraesCS3B03G0781200	0.97561	0.34445	Down	Down
15245	TraesCS3B03G0781300	0.82488	0.98703	Down	Down
15246	TraesCS3B03G0781500	0.97032	1.74136	No	No
15247	TraesCS3B03G0782300	1.10354	0.93792	No	No
15248	TraesCS3B03G0782700	1.05049	0.91494	No	No
15249	TraesCS3B03G0783000	1.02448	0.56264	No	No
15250	TraesCS3B03G0783300	0.69495	2.21456	Down	Up
15251	TraesCS3B03G0783400	0.94341	5.52997	Down	Up
15252	TraesCS3B03G0783500	1.01755	0.98708	No	No
15253	TraesCS3B03G0783800	1.1654	1.16194	UP	UP
15254	TraesCS3B03G0784200	0.5925	1.25243	No	No
15255	TraesCS3B03G0784400	1.54808	0.88576	No	No
15256	TraesCS3B03G0784500	0.97612	0.36545	Down	Down
15257	TraesCS3B03G0784600	1.08246	3.20979	Up	Up
15258	TraesCS3B03G0784900	1.06627	1.53214	UP	UP
15259	TraesCS3B03G0785000	0.79476	1.32991	No	No
15260	TraesCS3B03G0785600	0.93352	1.40766	No	No
15261	TraesCS3B03G0785700	1.15729	1.17432	UP	UP
15262	TraesCS3B03G0786000	0.75118	0.39395	Down	Down
15264	TraesCS3B03G0786400	1.04993	5.03698	Up	Up
15267	TraesCS3B03G0787200	1.03866	1.58494	UP	UP
15268	TraesCS3B03G0788000	0.8063	1.75588	No	No
15269	TraesCS3B03G0789100	2.19513	0.54271	Up	Down
15271	TraesCS3B03G0789600	1.08574	1.71323	UP	UP
15272	TraesCS3B03G0789600	1.89168	0.69657	No	No
15273	TraesCS3B03G0789700	1.12537	0.85217	No	No
15274	TraesCS3B03G0791600	1.77684	1.0572	UP	UP
15275	TraesCS3B03G0791700	0.94123	0.93022	Down	Down
15276	TraesCS3B03G0793100	0.94483	1.598	No	No
15277	TraesCS3B03G0793300	1.29614	1.51972	UP	UP
15278	TraesCS3B03G0794400	0.90042	0.37467	Down	Down
15279	TraesCS3B03G0794700	1.02811	1.20899	UP	UP
15282	TraesCS3B03G0796000	1.24083	2.62275	Up	Up
15283	TraesCS3B03G0796400	0.74016	0.67339	Down	Down
15284	TraesCS3B03G0796700	1.66462	3.46754	Up	Up
15285	TraesCS3B03G0797300	1.72343	2.68872	Up	Up
15286	TraesCS3B03G0798200	1.17422	1.96816	UP	UP
15287	TraesCS3B03G0798600	0.95932	1.58523	No	No
15288	TraesCS3B03G0800100	0.93305	1.50187	No	No
15289	TraesCS3B03G0800200	0.85106	1.38654	No	No
15290	TraesCS3B03G0801400	1.08277	1.75371	UP	UP
15291	TraesCS3B03G0801600	0.99408	1.02082	No	No
15292	TraesCS3B03G0802600	0.57486	1.36415	No	No
15293	TraesCS3B03G0802800	1.13096	0.50707	No	No
15294	TraesCS3B03G0803300	5.71118	0.08274	Up	Down
15295	TraesCS3B03G0805500	0.7445	1.72703	No	No
15296	TraesCS3B03G0806000	0.95492	1.12617	No	No
15297	TraesCS3B03G0806300	0.17978	0.39401	Down	Down
15298	TraesCS3B03G0806900	0.8071	0.47545	Down	Down
15299	TraesCS3B03G0808000	1.23337	0.66204	No	No
15300	TraesCS3B03G0809000	0.74002	1.30708	No	No
15301	TraesCS3B03G0809200	0.95435	0.19395	Down	Down

15302	TraesCS3B03G0809500	1.10982	0.3152	Up	Down
15303	TraesCS3B03G0810100	1.1317	0.64547	No	No
15304	TraesCS3B03G0810600	1.25807	0.88097	No	No
15305	TraesCS3B03G0810600	0.84736	0.8158	Down	Down
15306	TraesCS3B03G0810800	1.02865	0.52163	No	No
15307	TraesCS3B03G0811600	0.67359	1.18604	No	No
15308	TraesCS3B03G0811900	1.05234	0.96355	No	No
15309	TraesCS3B03G0812300	0.64289	13.5553	Down	Up
15310	TraesCS3B03G0812400	1.22799	1.56841	UP	UP
15311	TraesCS3B03G0815100	1.00914	0.8812	No	No
15312	TraesCS3B03G0815300	1.40508	1.03997	UP	UP
15313	TraesCS3B03G0816600	1.15391	1.44221	UP	UP
15314	TraesCS3B03G0821800	1.28051	0.83972	No	No
15315	TraesCS3B03G0822200	0.96631	1.21165	No	No
15316	TraesCS3B03G0822400	1.08571	1.37391	UP	UP
15317	TraesCS3B03G0822500	0.89871	1.5286	No	No
15318	TraesCS3B03G0822600	1.24267	1.73508	UP	UP
15319	TraesCS3B03G0822700	0.77	0.25195	Down	Down
15320	TraesCS3B03G0822900	0.8363	0.51574	Down	Down
15321	TraesCS3B03G0823900	0.85774	0.18828	Down	Down
15322	TraesCS3B03G0824000	1.00102	0.78324	No	No
15325	TraesCS3B03G0825100	1.06021	0.45407	Up	Down
15326	TraesCS3B03G0825100	0.81818	0.41855	Down	Down
15327	TraesCS3B03G0826100	1.17195	2.64544	Up	Up
15328	TraesCS3B03G0826100	1.29282	0.91946	No	No
15329	TraesCS3B03G0826800	1.34159	0.91784	No	No
15330	TraesCS3B03G0826900	1.38808	0.56477	No	No
15331	TraesCS3B03G0827900	1.12754	2.46074	Up	Up
15332	TraesCS3B03G0828000	0.81685	1.36378	No	No
15333	TraesCS3B03G0828100	1.6176	1.56812	UP	UP
15334	TraesCS3B03G0829300	1.28265	1.93819	UP	UP
15335	TraesCS3B03G0829800	0.92209	1.47591	No	No
15338	TraesCS3B03G0830300	0.91162	0.60364	Down	Down
15339	TraesCS3B03G0831400	1.01976	0.81044	No	No
15340	TraesCS3B03G0831500	0.57588	1.21528	No	No
15342	TraesCS3B03G0831700	1.01503	2.02514	Up	Up
15343	TraesCS3B03G0832100	0.87673	1.31361	No	No
15344	TraesCS3B03G0832500	0.88307	0.95236	Down	Down
15345	TraesCS3B03G0832600	0.6024	1.70335	No	No
15346	TraesCS3B03G0832800	0.90835	1.45408	No	No
15347	TraesCS3B03G0833000	0.82834	0.92808	Down	Down
15348	TraesCS3B03G0833200	0.8732	0.83208	Down	Down
15349	TraesCS3B03G0833700	1.09758	1.08861	UP	UP
15350	TraesCS3B03G0834200	0.81975	1.3809	No	No
15351	TraesCS3B03G0834500	0.52931	1.56816	No	No
15352	TraesCS3B03G0834800	0.96949	0.93348	Down	Down
15353	TraesCS3B03G0835700	1.07645	1.26854	UP	UP
15354	TraesCS3B03G0837600	1.32836	2.67217	Up	Up
15357	TraesCS3B03G0838400	0.99972	1.05097	No	No
15360	TraesCS3B03G0839600	0.99128	0.96624	Down	Down
15361	TraesCS3B03G0839700	0.52103	3.24785	Down	Up
15362	TraesCS3B03G0840200	0.87614	1.29871	No	No

15363	TraesCS3B03G0841300	1.33485	0.36234	Up	Down
15365	TraesCS3B03G0842000	1.13858	1.00801	UP	UP
15369	TraesCS3B03G0843100	1.12928	0.42885	Up	Down
15373	TraesCS3B03G0843600	1.00814	1.18598	UP	UP
15374	TraesCS3B03G0844300	0.99607	1.08605	No	No
15375	TraesCS3B03G0844800	0.86129	0.95869	Down	Down
15376	TraesCS3B03G0845400	1.2955	0.5899	No	No
15377	TraesCS3B03G0845500	1.23389	2.20081	Up	Up
15378	TraesCS3B03G0845700	1.24313	0.24098	Up	Down
15379	TraesCS3B03G0846300	0.93996	0.60396	Down	Down
15380	TraesCS3B03G0846500	1.28211	0.39593	Up	Down
15381	TraesCS3B03G0846700	1.21834	0.33801	Up	Down
15382	TraesCS3B03G0847000	0.92813	1.66804	No	No
15384	TraesCS3B03G0847200	1.35366	0.92182	No	No
15385	TraesCS3B03G0847700	0.91706	1.4682	No	No
15386	TraesCS3B03G0848000	0.35548	6.8831	Down	Up
15387	TraesCS3B03G0848200	0.55227	0.97148	Down	Down
15388	TraesCS3B03G0848400	1.59752	1.17747	UP	UP
15390	TraesCS3B03G0849300	0.57314	1.26142	No	No
15391	TraesCS3B03G0849400	1.25564	1.33956	UP	UP
15392	TraesCS3B03G0849500	0.79	0.1925	Down	Down
15393	TraesCS3B03G0849600	0.59905	1.95496	No	No
15394	TraesCS3B03G0850100	0.93862	1.17348	No	No
15396	TraesCS3B03G0850300	1.36854	0.74867	No	No
15397	TraesCS3B03G0850600	0.95717	2.70083	Down	Up
15398	TraesCS3B03G0850700	0.90796	1.44662	No	No
15399	TraesCS3B03G0850800	0.90318	1.37893	No	No
15400	TraesCS3B03G0851300	0.82279	1.59413	No	No
15401	TraesCS3B03G0851600	0.92831	0.25251	Down	Down
15402	TraesCS3B03G0851700	0.95806	1.52429	No	No
15403	TraesCS3B03G0851700	1.15916	1.79023	UP	UP
15404	TraesCS3B03G0852200	3.33764	0.61712	Up	Down
15405	TraesCS3B03G0852700	1.07624	1.03792	UP	UP
15406	TraesCS3B03G0854800	0.89721	1.00412	No	No
15408	TraesCS3B03G0856300	1.39383	0.68555	No	No
15409	TraesCS3B03G0857100	1.07303	0.93826	No	No
15410	TraesCS3B03G0857400	1.11904	1.1173	UP	UP
15411	TraesCS3B03G0857600	0.73884	1.29493	No	No
15412	TraesCS3B03G0857800	0.99359	0.49198	Down	Down
15413	TraesCS3B03G0858000	0.65835	2.00817	Down	Up
15416	TraesCS3B03G0864400	0.97464	1.22227	No	No
15417	TraesCS3B03G0864700	1.34454	0.6074	No	No
15420	TraesCS3B03G0866000	0.99617	0.56566	Down	Down
15421	TraesCS3B03G0866200	0.91438	1.04654	No	No
15422	TraesCS3B03G0867300	0.56905	3.67008	Down	Up
15423	TraesCS3B03G0869500	1.30031	0.90059	No	No
15424	TraesCS3B03G0869700	0.86615	0.91356	Down	Down
15425	TraesCS3B03G0870800	1.12861	1.22718	UP	UP
15426	TraesCS3B03G0871100	1.52261	0.89436	No	No
15427	TraesCS3B03G0872300	0.85557	1.08359	No	No
15429	TraesCS3B03G0874100	1.02993	0.67593	No	No
15431	TraesCS3B03G0874500	0.47977	1.66124	Down	Up

15432	TraesCS3B03G0876000	0.98197	0.19854	Down	Down
15433	TraesCS3B03G0876100	1.08549	1.86462	UP	UP
15434	TraesCS3B03G0878000	1.21925	2.06262	Up	Up
15435	TraesCS3B03G0878000	0.65068	1.14836	No	No
15437	TraesCS3B03G0878400	0.86913	0.93701	Down	Down
15441	TraesCS3B03G0880500	1.24958	0.94929	No	No
15442	TraesCS3B03G0880600	2.2013	2.26813	UP	UP
15443	TraesCS3B03G0880600	1.14031	1.691	UP	UP
15444	TraesCS3B03G0881000	0.66629	0.87626	Down	Down
15445	TraesCS3B03G0881300	0.70873	1.59268	No	No
15446	TraesCS3B03G0881800	1.43229	1.57506	UP	UP
15447	TraesCS3B03G0883200	0.62669	0.61963	Down	Down
15448	TraesCS3B03G0884900	1.11355	1.21916	UP	UP
15449	TraesCS3B03G0885000	0.46005	4.24434	Down	Up
15450	TraesCS3B03G0885600	0.85403	1.25633	No	No
15451	TraesCS3B03G0885700	1.09988	1.51624	UP	UP
15453	TraesCS3B03G0887800	0.83037	2.05803	Down	Up
15454	TraesCS3B03G0888900	1.25601	1.25787	UP	UP
15455	TraesCS3B03G0889000	0.77052	3.19588	Down	Up
15456	TraesCS3B03G0889800	0.75123	1.5143	No	No
15458	TraesCS3B03G0891800	1.49949	1.23065	UP	UP
15460	TraesCS3B03G0892400	0.93668	0.60468	Down	Down
15461	TraesCS3B03G0892700	0.52389	2.71443	Down	Up
15462	TraesCS3B03G0893600	1.2695	1.7642	UP	UP
15463	TraesCS3B03G0895900	0.80944	0.91281	Down	Down
15464	TraesCS3B03G0896700	1.09797	0.86009	No	No
15465	TraesCS3B03G0898200	0.85658	0.83074	Down	Down
15466	TraesCS3B03G0898300	1.21126	0.87727	No	No
15467	TraesCS3B03G0899200	0.4117	3.71714	Down	Up
15468	TraesCS3B03G0902100	0.99413	1.56795	No	No
15469	TraesCS3B03G0902500	0.70107	1.03823	No	No
15470	TraesCS3B03G0902700	1.20183	0.62339	No	No
15472	TraesCS3B03G0903400	2.52832	3.99315	Up	Up
15473	TraesCS3B03G0904000	0.62895	0.70647	Down	Down
15474	TraesCS3B03G0904100	1.0523	1.4007	UP	UP
15476	TraesCS3B03G0904400	0.46832	4.22369	Down	Up
15477	TraesCS3B03G0904600	1.43101	6.81105	Up	Up
15478	TraesCS3B03G0905300	1.27388	1.16956	UP	UP
15480	TraesCS3B03G0909500	1.13529	0.60163	No	No
15481	TraesCS3B03G0910400	0.51419	4.23511	Down	Up
15482	TraesCS3B03G0911300	1.02793	0.8367	No	No
15483	TraesCS3B03G0911700	0.84481	1.11942	No	No
15484	TraesCS3B03G0913000	1.27881	0.87725	No	No
15485	TraesCS3B03G0913400	2.00608	0.9561	Up	Down
15486	TraesCS3B03G0913900	0.87892	1.14468	No	No
15487	TraesCS3B03G0914300	0.82667	0.43615	Down	Down
15488	TraesCS3B03G0914400	0.99176	1.39819	No	No
15489	TraesCS3B03G0914900	0.6455	2.19975	Down	Up
15490	TraesCS3B03G0915200	0.88899	0.84277	Down	Down
15491	TraesCS3B03G0915400	1.44274	0.75197	No	No
15492	TraesCS3B03G0916100	1.11566	0.4312	Up	Down
15493	TraesCS3B03G0917000	0.82822	0.76092	Down	Down

15494	TraesCS3B03G0917200	1.33395	0.75502	No	No
15495	TraesCS3B03G0917300	0.72716	0.35392	Down	Down
15496	TraesCS3B03G0917600	3.8264	2.90447	Up	Up
15497	TraesCS3B03G0918100	2.32967	1.82371	Up	Up
15498	TraesCS3B03G0918500	0.89339	1.27188	No	No
15499	TraesCS3B03G0918600	0.84505	2.38184	Down	Up
15500	TraesCS3B03G0921800	0.65071	1.15261	No	No
15501	TraesCS3B03G0922000	0.70025	1.22499	No	No
15502	TraesCS3B03G0922700	0.73094	2.30555	Down	Up
15503	TraesCS3B03G0922900	1.05942	0.54229	No	No
15504	TraesCS3B03G0924300	0.907	1.88584	No	No
15505	TraesCS3B03G0924400	1.2991	0.84106	No	No
15506	TraesCS3B03G0924500	0.8073	1.0145	No	No
15507	TraesCS3B03G0924700	0.91037	0.53319	Down	Down
15508	TraesCS3B03G0924800	0.77342	1.21255	No	No
15509	TraesCS3B03G0924900	0.69861	0.65014	Down	Down
15512	TraesCS3B03G0927200	1.12525	0.89045	No	No
15513	TraesCS3B03G0927300	1.00661	1.13821	UP	UP
15514	TraesCS3B03G0927900	1.13245	2.4563	Up	Up
15515	TraesCS3B03G0928300	1.09166	0.88266	No	No
15516	TraesCS3B03G0928800	0.71471	1.74058	No	No
15517	TraesCS3B03G0929100	0.7342	1.48457	No	No
15519	TraesCS3B03G0929800	1.26922	2.61419	Up	Up
15520	TraesCS3B03G0930700	1.04194	0.78973	No	No
15524	TraesCS3B03G0932200	1.23577	1.746	UP	UP
15525	TraesCS3B03G0932300	1.01845	1.26532	UP	UP
15526	TraesCS3B03G0932400	1.22973	0.41662	Up	Down
15527	TraesCS3B03G0932700	6.89929	0.40021	Up	Down
15528	TraesCS3B03G0932900	0.76944	2.20478	Down	Up
15529	TraesCS3B03G0933000	1.55535	0.83469	No	No
15530	TraesCS3B03G0933400	1.50201	0.72206	No	No
15531	TraesCS3B03G0934100	0.95782	0.55838	Down	Down
15532	TraesCS3B03G0934200	0.74061	1.5318	No	No
15534	TraesCS3B03G0934600	1.14296	0.87543	No	No
15535	TraesCS3B03G0935000	0.84365	1.83856	No	No
15536	TraesCS3B03G0937500	0.82079	0.97995	Down	Down
15537	TraesCS3B03G0938000	0.98627	1.72042	No	No
15539	TraesCS3B03G0938300	1.06055	1.17027	UP	UP
15540	TraesCS3B03G0938500	2.79877	0.60172	Up	Down
15541	TraesCS3B03G0938700	0.65276	0.56295	Down	Down
15542	TraesCS3B03G0939200	1.59056	0.66697	No	No
15543	TraesCS3B03G0939800	1.21014	1.17535	UP	UP
15549	TraesCS3B03G0940700	1.10477	1.28008	UP	UP
15550	TraesCS3B03G0941900	0.94784	1.37699	No	No
15551	TraesCS3B03G0942000	0.35548	3.61743	Down	Up
15553	TraesCS3B03G0942900	1.25267	1.38073	UP	UP
15554	TraesCS3B03G0943300	1.14212	1.42485	UP	UP
15555	TraesCS3B03G0944300	0.98941	0.76469	Down	Down
15556	TraesCS3B03G0944400	0.99455	1.39198	No	No
15557	TraesCS3B03G0944900	2.22062	1.57992	Up	Up
15558	TraesCS3B03G0945000	1.0491	1.46166	UP	UP
15559	TraesCS3B03G0945400	1.01517	0.62059	No	No

15560	TraesCS3B03G0945500	0.66129	1.21231	No	No
15561	TraesCS3B03G0947600	0.8234	2.49961	Down	Up
15562	TraesCS3B03G0947900	0.91262	1.06006	No	No
15563	TraesCS3B03G0948700	0.73327	1.15358	No	No
15565	TraesCS3B03G0949800	1.19471	0.46395	Up	Down
15566	TraesCS3B03G0950000	3.96663	0.4854	Up	Down
15567	TraesCS3B03G0951100	1.1044	8.80623	Up	Up
15568	TraesCS3B03G0951200	0.91464	3.06182	Down	Up
15569	TraesCS3B03G0952600	0.75158	1.71287	No	No
15570	TraesCS3B03G0952800	0.78174	1.18972	No	No
15571	TraesCS3B03G0953900	0.2771	4.77221	Down	Up
15572	TraesCS3B03G0954000	0.69506	0.92894	Down	Down
15573	TraesCS3B03G0955000	0.81257	0.62629	Down	Down
15574	TraesCS3B03G0955400	1.03434	1.01469	UP	UP
15575	TraesCS3B03G0958400	0.93261	0.33329	Down	Down
15576	TraesCS3B03G0958500	1.22855	0.67457	No	No
15577	TraesCS3B03G0958600	0.77769	1.29844	No	No
15578	TraesCS3B03G0958800	0.93774	0.90335	Down	Down
15579	TraesCS3B03G0959100	0.53834	7.26656	Down	Up
15580	TraesCS3B03G0959800	0.82359	1.12316	No	No
15581	TraesCS3B03G0960100	0.82084	2.51944	Down	Up
15582	TraesCS3B03G0960600	0.63489	2.04554	Down	Up
15583	TraesCS3B03G0960600	0.4182	1.08325	Down	Up
15584	TraesCS3B03G0960700	1.13979	1.37615	UP	UP
15585	TraesCS3B03G0961500	0.82583	2.54986	Down	Up
15586	TraesCS3B03G0962100	0.93612	1.4323	No	No
15587	TraesCS3B03G0962300	1.09507	0.76541	No	No
15588	TraesCS3B03G0962400	1.53709	1.35942	UP	UP
15589	TraesCS3B03G0962600	1.27447	1.01894	UP	UP
15590	TraesCS3B03G0962900	0.43578	1.26329	Down	Up
15591	TraesCS3B03G0963000	1.57384	1.30087	UP	UP
15593	TraesCS3B03G0964400	0.85364	2.66814	Down	Up
15594	TraesCS3B03G0964500	1.00747	1.23366	UP	UP
15595	TraesCS3B03G0964800	0.697	1.52059	No	No
15596	TraesCS3B03G0965400	0.82521	1.14273	No	No
15599	TraesCS3B03G0966600	0.66025	0.98657	Down	Down
15600	TraesCS3B03G0966900	0.86726	1.44655	No	No
15601	TraesCS3B03G0967300	0.99979	1.08399	No	No
15603	TraesCS3B03G0969200	0.94663	0.82179	Down	Down
15605	TraesCS3B03G0969900	0.59287	1.43803	No	No
15606	TraesCS3B03G0970400	0.7808	3.1536	Down	Up
15607	TraesCS3B03G0970800	0.54445	1.21952	No	No
15608	TraesCS3B03G0971200	0.2807	0.54559	Down	Down
15609	TraesCS3B03G0971300	1.32595	0.40413	Up	Down
15610	TraesCS3B03G0971600	0.81209	0.61576	Down	Down
15611	TraesCS3B03G0971800	0.77489	1.61381	No	No
15612	TraesCS3B03G0972000	1.03019	1.89539	UP	UP
15613	TraesCS3B03G0972600	0.67372	1.49879	No	No
15614	TraesCS3B03G0972700	0.88999	1.20723	No	No
15615	TraesCS3B03G0973900	0.67837	2.21837	Down	Up
15616	TraesCS3B03G0974300	1.07891	2.9059	Up	Up
15617	TraesCS3B03G0974400	0.65569	1.71521	No	No

15619	TraesCS3B03G0974800	0.99106	1.43257	No	No
15620	TraesCS3B03G0976600	1.09955	0.8679	No	No
15621	TraesCS3B03G0977300	0.6483	1.42171	No	No
15622	TraesCS3B03G0977400	0.39197	4.15135	Down	Up
15623	TraesCS3B03G0978200	1.07756	3.75601	Up	Up
15624	TraesCS3B03G0978500	1.17995	0.8215	No	No
15625	TraesCS3B03G0978800	0.99006	4.07001	Down	Up
15626	TraesCS3B03G0980400	1.53568	0.6215	No	No
15627	TraesCS3B03G0980700	0.95473	0.03578	Down	Down
15629	TraesCS3B03G0983000	1.17243	1.16304	UP	UP
15630	TraesCS3B03G0984000	1.22234	0.37585	Up	Down
15631	TraesCS3B03G0984400	0.88478	3.76348	Down	Up
15632	TraesCS3B03G0986400	1.6595	1.65843	UP	UP
15633	TraesCS3B03G0986900	0.61405	2.01947	Down	Up
15634	TraesCS3B03G0987100	0.94828	1.15782	No	No
15635	TraesCS3B03G0987200	0.93036	2.76733	Down	Up
15636	TraesCS3B03G0987300	2.32773	0.22959	Up	Down
15638	TraesCS3B03G0988200	1.25107	1.63932	UP	UP
15639	TraesCS3B03G0989300	1.35589	0.55366	No	No
15640	TraesCS3B03G0989700	0.19077	1.9768	Down	Up
15642	TraesCS3B03G0990300	0.93447	1.12014	No	No
15644	TraesCS3B03G0991200	0.72133	3.75351	Down	Up
15645	TraesCS3B03G0991500	0.72236	0.63659	Down	Down
15646	TraesCS3B03G0992200	1.17089	2.35925	Up	Up
15647	TraesCS3B03G0992300	0.26537	6.53951	Down	Up
15648	TraesCS3B03G0992500	0.91516	0.75	Down	Down
15649	TraesCS3B03G0992800	0.8956	0.98767	Down	Down
15650	TraesCS3B03G0992900	1.19107	4.93623	Up	Up
15651	TraesCS3B03G0993000	1.31276	1.81167	UP	UP
15652	TraesCS3B03G0993400	0.87718	0.2597	Down	Down
15653	TraesCS3B03G0993600	1.02987	0.81802	No	No
15654	TraesCS3B03G0993700	0.88511	0.56262	Down	Down
15655	TraesCS3B03G0994000	1.15083	0.77531	No	No
15658	TraesCS3B03G0995200	0.9174	0.85238	Down	Down
15660	TraesCS3B03G0995600	0.86082	0.48031	Down	Down
15662	TraesCS3B03G0995800	1.12292	0.33068	Up	Down
15663	TraesCS3B03G0996000	0.73491	1.46206	No	No
15664	TraesCS3B03G0996400	0.51087	0.90774	Down	Down
15665	TraesCS3B03G0999800	1.18419	13.652	Up	Up
15669	TraesCS3B03G1001400	0.96598	2.76281	Down	Up
15670	TraesCS3B03G1001500	0.94454	1.49608	No	No
15671	TraesCS3B03G1001900	1.89679	4.29088	Up	Up
15672	TraesCS3B03G1002200	0.77231	1.1579	No	No
15673	TraesCS3B03G1002600	1.14055	0.35633	Up	Down
15674	TraesCS3B03G1002600	0.91359	0.19259	Down	Down
15675	TraesCS3B03G1002700	0.93044	3.82951	Down	Up
15676	TraesCS3B03G1002800	0.78593	0.32105	Down	Down
15677	TraesCS3B03G1002900	1.56557	0.87193	No	No
15678	TraesCS3B03G1004700	0.87648	1.22995	No	No
15679	TraesCS3B03G1005000	1.09915	1.88375	UP	UP
15680	TraesCS3B03G1005300	1.18524	1.05167	UP	UP
15681	TraesCS3B03G1007800	0.85967	1.10523	No	No

15682	TraesCS3B03G1008100	1.06701	1.2507	UP	UP
15683	TraesCS3B03G1008100	1.35285	1.06526	UP	UP
15684	TraesCS3B03G1008200	0.55373	2.30234	Down	Up
15685	TraesCS3B03G1009600	1.1015	1.72444	UP	UP
15686	TraesCS3B03G1010400	1.29281	4.57498	Up	Up
15687	TraesCS3B03G1010600	1.28731	1.86411	UP	UP
15688	TraesCS3B03G1010900	1.27382	0.35237	Up	Down
15689	TraesCS3B03G1011000	0.51036	0.93862	Down	Down
15692	TraesCS3B03G1012200	1.0468	1.42609	UP	UP
15693	TraesCS3B03G1012400	0.9917	0.18585	Down	Down
15694	TraesCS3B03G1012500	0.65925	1.56523	No	No
15695	TraesCS3B03G1012700	0.90474	0.80397	Down	Down
15696	TraesCS3B03G1013400	1.03866	1.39606	UP	UP
15697	TraesCS3B03G1013600	1.22802	0.96295	No	No
15698	TraesCS3B03G1014100	0.34772	6.12111	Down	Up
15699	TraesCS3B03G1014300	0.3165	22.232	Down	Up
15700	TraesCS3B03G1014900	1.25239	1.16376	UP	UP
15702	TraesCS3B03G1016200	1.21548	0.50673	No	No
15703	TraesCS3B03G1017600	1.35481	3.0505	Up	Up
15704	TraesCS3B03G1017700	0.98006	1.99492	No	No
15705	TraesCS3B03G1018200	1.03237	0.13028	Up	Down
15706	TraesCS3B03G1019100	1.60878	1.09266	UP	UP
15707	TraesCS3B03G1019200	0.58034	1.27447	No	No
15709	TraesCS3B03G1019700	0.98523	1.14086	No	No
15710	TraesCS3B03G1019900	1.47701	1.00247	UP	UP
15711	TraesCS3B03G1020300	0.96245	1.65028	No	No
15712	TraesCS3B03G1020700	0.71103	2.61534	Down	Up
15713	TraesCS3B03G1020900	0.5647	4.28782	Down	Up
15714	TraesCS3B03G1021600	0.93468	1.70187	No	No
15715	TraesCS3B03G1021700	0.84574	2.09552	Down	Up
15716	TraesCS3B03G1023700	1.151	0.80787	No	No
15717	TraesCS3B03G1023900	0.63386	1.33598	No	No
15719	TraesCS3B03G1024400	1.04652	2.38311	Up	Up
15720	TraesCS3B03G1024600	0.97924	0.972	Down	Down
15721	TraesCS3B03G1024800	1.1252	0.22422	Up	Down
15722	TraesCS3B03G1025000	1.17739	0.51374	No	No
15723	TraesCS3B03G1025100	1.07728	0.98356	No	No
15724	TraesCS3B03G1025800	1.07715	0.76677	No	No
15725	TraesCS3B03G1025900	0.62569	0.82962	Down	Down
15726	TraesCS3B03G1026200	0.88358	1.61919	No	No
15727	TraesCS3B03G1026400	1.79944	0.56969	No	No
15728	TraesCS3B03G1027300	1.12404	0.73197	No	No
15731	TraesCS3B03G1027900	1.61312	0.74682	No	No
15732	TraesCS3B03G1027900	0.9313	2.02297	Down	Up
15733	TraesCS3B03G1028000	1.06	0.75671	No	No
15734	TraesCS3B03G1028400	1.31932	1.04604	UP	UP
15735	TraesCS3B03G1028500	0.91276	0.92612	Down	Down
15736	TraesCS3B03G1028600	0.57834	6.86541	Down	Up
15737	TraesCS3B03G1028800	0.84465	1.06995	No	No
15738	TraesCS3B03G1029000	0.62373	1.72422	No	No
15739	TraesCS3B03G1030900	0.86473	0.69441	Down	Down
15740	TraesCS3B03G1031400	0.98817	0.63478	Down	Down

15741	TraesCS3B03G1031700	0.88288	0.88203	Down	Down
15742	TraesCS3B03G1033400	0.95035	2.0869	Down	Up
15744	TraesCS3B03G1033600	1.02885	1.77471	UP	UP
15745	TraesCS3B03G1033800	2.17911	0.35969	Up	Down
15746	TraesCS3B03G1033900	1.06598	0.95192	No	No
15747	TraesCS3B03G1035000	1.51646	1.22381	UP	UP
15749	TraesCS3B03G1037000	1.09484	0.61506	No	No
15750	TraesCS3B03G1037600	0.7212	0.57604	Down	Down
15751	TraesCS3B03G1038000	0.83451	3.40539	Down	Up
15752	TraesCS3B03G1039300	1.0888	2.21555	Up	Up
15753	TraesCS3B03G1039600	1.27651	0.46792	Up	Down
15755	TraesCS3B03G1040700	0.86429	0.19104	Down	Down
15756	TraesCS3B03G1040800	0.949	0.7766	Down	Down
15757	TraesCS3B03G1040900	0.92102	1.78928	No	No
15758	TraesCS3B03G1041000	1.90536	0.86796	No	No
15760	TraesCS3B03G1041200	0.63701	1.27114	No	No
15761	TraesCS3B03G1042200	0.62911	1.55194	No	No
15762	TraesCS3B03G1042400	0.86666	0.38515	Down	Down
15764	TraesCS3B03G1046900	2.20347	1.44322	Up	Up
15765	TraesCS3B03G1047400	1.23741	2.05175	Up	Up
15767	TraesCS3B03G1048500	1.03604	1.45867	UP	UP
15768	TraesCS3B03G1050100	1.33006	0.76417	No	No
15769	TraesCS3B03G1050300	0.77939	0.90762	Down	Down
15770	TraesCS3B03G1050400	1.59623	0.72715	No	No
15771	TraesCS3B03G1050500	0.96986	0.64183	Down	Down
15772	TraesCS3B03G1050700	1.53932	0.76808	No	No
15773	TraesCS3B03G1051200	0.84672	0.93429	Down	Down
15774	TraesCS3B03G1052000	1.41633	3.01061	Up	Up
15775	TraesCS3B03G1052200	1.16644	0.45456	Up	Down
15776	TraesCS3B03G1052600	0.28871	4.64557	Down	Up
15777	TraesCS3B03G1053900	0.93313	0.97979	Down	Down
15778	TraesCS3B03G1054800	0.56874	3.01582	Down	Up
15779	TraesCS3B03G1055500	1.07129	1.8797	UP	UP
15780	TraesCS3B03G1055900	1.30954	0.78797	No	No
15781	TraesCS3B03G1055900	1.0088	0.65682	No	No
15782	TraesCS3B03G1056800	1.02148	0.26191	Up	Down
15783	TraesCS3B03G1058500	1.49995	0.61342	No	No
15784	TraesCS3B03G1058600	0.93004	1.14931	No	No
15785	TraesCS3B03G1059300	0.64522	1.68459	No	No
15786	TraesCS3B03G1059500	0.68546	0.969	Down	Down
15787	TraesCS3B03G1059900	1.47851	0.52861	No	No
15788	TraesCS3B03G1060000	0.93616	1.39363	No	No
15789	TraesCS3B03G1061700	0.77574	0.29203	Down	Down
15790	TraesCS3B03G1061900	0.92523	2.26538	Down	Up
15792	TraesCS3B03G1064000	0.74508	1.28172	No	No
15793	TraesCS3B03G1064300	1.14675	0.78347	No	No
15794	TraesCS3B03G1064600	0.63897	1.27648	No	No
15796	TraesCS3B03G1065300	0.71463	6.50266	Down	Up
15797	TraesCS3B03G1066000	0.80096	1.7849	No	No
15798	TraesCS3B03G1067300	1.04003	0.93134	No	No
15799	TraesCS3B03G1067600	0.75364	0.57597	Down	Down
15800	TraesCS3B03G1067700	1.63915	0.45397	Up	Down

15801	TraesCS3B03G1067900	0.70721	1.82845	No	No
15802	TraesCS3B03G1068000	0.54879	1.83786	No	No
15803	TraesCS3B03G1068100	0.56674	0.85679	Down	Down
15804	TraesCS3B03G1068200	0.95464	1.14775	No	No
15805	TraesCS3B03G1069600	6.63416	0.95423	Up	Down
15806	TraesCS3B03G1071700	0.43505	7.62429	Down	Up
15808	TraesCS3B03G1073200	1.16456	0.85529	No	No
15809	TraesCS3B03G1074200	1.53473	0.3006	Up	Down
15810	TraesCS3B03G1075400	0.88128	0.54402	Down	Down
15811	TraesCS3B03G1075800	0.87157	0.57284	Down	Down
15812	TraesCS3B03G1075800	0.72284	0.99145	Down	Down
15813	TraesCS3B03G1075900	0.84908	1.54439	No	No
15814	TraesCS3B03G1076600	0.63185	1.82509	No	No
15815	TraesCS3B03G1077000	0.90257	0.76087	Down	Down
15816	TraesCS3B03G1077400	0.82657	2.47306	Down	Up
15817	TraesCS3B03G1079200	0.87214	2.29321	Down	Up
15818	TraesCS3B03G1079300	0.99944	0.85449	Down	Down
15819	TraesCS3B03G1079400	0.96637	1.12799	No	No
15821	TraesCS3B03G1079600	0.75547	1.22358	No	No
15822	TraesCS3B03G1079700	1.48864	0.86215	No	No
15823	TraesCS3B03G1079900	0.95105	1.67428	No	No
15824	TraesCS3B03G1080200	1.31524	0.91592	No	No
15825	TraesCS3B03G1080300	1.12383	1.7	UP	UP
15826	TraesCS3B03G1080500	1.19983	0.35944	Up	Down
15828	TraesCS3B03G1083300	1.04032	2.4814	Up	Up
15829	TraesCS3B03G1085000	1.28326	0.72008	No	No
15830	TraesCS3B03G1085200	0.77038	0.98602	Down	Down
15831	TraesCS3B03G1085600	1.22014	0.87023	No	No
15832	TraesCS3B03G1085700	1.09468	0.82123	No	No
15833	TraesCS3B03G1086000	1.58789	0.38228	Up	Down
15834	TraesCS3B03G1087600	0.89982	0.41614	Down	Down
15835	TraesCS3B03G1088600	0.67557	0.51897	Down	Down
15836	TraesCS3B03G1089300	1.03626	1.28898	UP	UP
15837	TraesCS3B03G1089400	1.10374	0.48076	Up	Down
15838	TraesCS3B03G1090700	1.04656	1.32229	UP	UP
15839	TraesCS3B03G1090800	0.81698	0.672	Down	Down
15841	TraesCS3B03G1091200	0.70219	0.52307	Down	Down
15842	TraesCS3B03G1091500	0.73407	1.22608	No	No
15843	TraesCS3B03G1092500	0.95477	0.76726	Down	Down
15844	TraesCS3B03G1094500	1.53793	0.98991	No	No
15845	TraesCS3B03G1095500	1.10312	1.31675	UP	UP
15846	TraesCS3B03G1096100	0.963	1.51131	No	No
15847	TraesCS3B03G1096600	0.88066	2.103	Down	Up
15849	TraesCS3B03G1104700	1.08603	1.67095	UP	UP
15850	TraesCS3B03G1105300	1.20905	1.51944	UP	UP
15851	TraesCS3B03G1106600	0.46908	0.50627	Down	Down
15853	TraesCS3B03G1106800	2.70535	0.51953	Up	Down
15854	TraesCS3B03G1109400	0.97358	0.62582	Down	Down
15855	TraesCS3B03G1109500	1.19656	1.08863	UP	UP
15856	TraesCS3B03G1109900	0.94315	0.47892	Down	Down
15857	TraesCS3B03G1110000	0.93609	3.00538	Down	Up
15858	TraesCS3B03G1112700	1.07681	2.69091	Up	Up

15859	TraesCS3B03G1113300	0.57458	2.33245	Down	Up
15860	TraesCS3B03G1114100	1.30024	3.66827	Up	Up
15861	TraesCS3B03G1114100	0.46474	1.06047	Down	Up
15862	TraesCS3B03G1114200	0.2577	1.12766	Down	Up
15863	TraesCS3B03G1114400	0.41346	0.64213	Down	Down
15864	TraesCS3B03G1114500	0.95226	0.82865	Down	Down
15865	TraesCS3B03G1115100	0.53712	0.4803	Down	Down
15866	TraesCS3B03G1115200	1.05484	1.08621	UP	UP
15868	TraesCS3B03G1115500	1.01996	0.47908	Up	Down
15869	TraesCS3B03G1115600	0.79793	1.19512	No	No
15870	TraesCS3B03G1116700	0.52094	1.2857	No	No
15871	TraesCS3B03G1117500	1.43547	0.39451	Up	Down
15872	TraesCS3B03G1117700	1.01602	0.16004	Up	Down
15873	TraesCS3B03G1117900	1.66759	0.40726	Up	Down
15874	TraesCS3B03G1119000	0.82782	0.83162	Down	Down
15875	TraesCS3B03G1119100	0.85822	0.7438	Down	Down
15876	TraesCS3B03G1121200	0.81268	1.29023	No	No
15877	TraesCS3B03G1121500	0.39746	23.9343	Down	Up
15878	TraesCS3B03G1123100	0.32337	1.55254	Down	Up
15879	TraesCS3B03G1123800	0.97471	1.51256	No	No
15882	TraesCS3B03G1126600	0.80731	1.13589	No	No
15883	TraesCS3B03G1126700	0.64354	0.79448	Down	Down
15884	TraesCS3B03G1126800	0.98803	1.406	No	No
15885	TraesCS3B03G1127100	1.12621	0.75678	No	No
15886	TraesCS3B03G1128300	0.81247	2.61943	Down	Up
15887	TraesCS3B03G1129100	3.8489	0.69747	Up	Down
15888	TraesCS3B03G1129700	0.70224	0.90037	Down	Down
15889	TraesCS3B03G1130000	1.34318	1.08166	UP	UP
15890	TraesCS3B03G1131900	0.81037	1.31386	No	No
15891	TraesCS3B03G1132000	0.53077	0.80399	Down	Down
15893	TraesCS3B03G1134300	0.95149	0.55289	Down	Down
15894	TraesCS3B03G1134400	1	1.05239	No	No
15895	TraesCS3B03G1134600	0.73266	2.11768	Down	Up
15896	TraesCS3B03G1137500	1.07878	1.07624	UP	UP
15898	TraesCS3B03G1138700	0.56506	2.57066	Down	Up
15899	TraesCS3B03G1138900	0.78251	2.59598	Down	Up
15900	TraesCS3B03G1139000	0.96244	0.48244	Down	Down
15901	TraesCS3B03G1139300	0.72553	0.60901	Down	Down
15902	TraesCS3B03G1139600	0.80815	0.60873	Down	Down
15904	TraesCS3B03G1141800	0.96622	1.19382	No	No
15905	TraesCS3B03G1143900	1.20404	0.64641	No	No
15907	TraesCS3B03G1146000	1.10477	0.28395	Up	Down
15908	TraesCS3B03G1146100	0.69845	0.22777	Down	Down
15910	TraesCS3B03G1146900	0.76592	1.25527	No	No
15911	TraesCS3B03G1147200	1.43173	0.36947	Up	Down
15912	TraesCS3B03G1147900	0.76928	4.00858	Down	Up
15913	TraesCS3B03G1148000	1.09618	0.65997	No	No
15915	TraesCS3B03G1151200	0.7307	1.85023	No	No
15916	TraesCS3B03G1151200	1.11278	1.13808	UP	UP
15917	TraesCS3B03G1151500	0.65416	1.33607	No	No
15919	TraesCS3B03G1152900	0.53333	0.44811	Down	Down
15920	TraesCS3B03G1155400	1.15656	0.47624	Up	Down

15921	TraesCS3B03G1155900	0.70156	0.77338	Down	Down
15922	TraesCS3B03G1156100	0.98938	0.4642	Down	Down
15923	TraesCS3B03G1157500	1.42869	0.58983	No	No
15924	TraesCS3B03G1157600	0.77782	4.965	Down	Up
15925	TraesCS3B03G1157700	2.24327	0.95007	Up	Down
15926	TraesCS3B03G1157700	0.92405	1.03461	No	No
15927	TraesCS3B03G1158700	1.58377	2.67098	Up	Up
15928	TraesCS3B03G1161800	0.91405	0.35644	Down	Down
15929	TraesCS3B03G1161900	1.0234	0.71372	No	No
15930	TraesCS3B03G1162300	0.78392	0.40861	Down	Down
15931	TraesCS3B03G1163000	1.09245	0.56537	No	No
15932	TraesCS3B03G1163500	1.27392	3.11094	Up	Up
15933	TraesCS3B03G1163500	0.55047	0.2744	Down	Down
15934	TraesCS3B03G1163600	0.87942	0.76834	Down	Down
15935	TraesCS3B03G1164200	0.88998	0.74978	Down	Down
15936	TraesCS3B03G1164700	0.22945	1.96964	Down	Up
15937	TraesCS3B03G1165000	0.65662	0.96107	Down	Down
15938	TraesCS3B03G1165900	0.55703	0.72936	Down	Down
15939	TraesCS3B03G1166100	1.16719	0.55301	No	No
15940	TraesCS3B03G1166400	1.03894	1.09403	UP	UP
15941	TraesCS3B03G1169500	0.63769	4.39895	Down	Up
15942	TraesCS3B03G1169600	1.89129	1.50071	UP	UP
15943	TraesCS3B03G1170500	0.8109	2.02589	Down	Up
15944	TraesCS3B03G1170800	1.33861	3.90079	Up	Up
15945	TraesCS3B03G1171100	0.8472	0.8657	Down	Down
15946	TraesCS3B03G1171900	1.1191	1.9227	UP	UP
15947	TraesCS3B03G1172000	0.9235	1.89809	No	No
15948	TraesCS3B03G1172400	0.9967	1.8514	No	No
15949	TraesCS3B03G1172600	0.73918	1.58613	No	No
15950	TraesCS3B03G1172800	1.07215	0.81009	No	No
15951	TraesCS3B03G1173100	0.76062	1.58995	No	No
15952	TraesCS3B03G1173600	0.54844	1.69739	No	No
15953	TraesCS3B03G1173900	0.98445	0.71891	Down	Down
15954	TraesCS3B03G1174400	1.15154	1.31858	UP	UP
15955	TraesCS3B03G1175400	0.88659	2.1222	Down	Up
15956	TraesCS3B03G1175700	0.71191	1.91283	No	No
15957	TraesCS3B03G1176100	1.27171	1.21063	UP	UP
15958	TraesCS3B03G1176300	1.15914	1.40076	UP	UP
15959	TraesCS3B03G1178900	0.78897	1.51817	No	No
15960	TraesCS3B03G1179900	0.65198	3.40843	Down	Up
15961	TraesCS3B03G1180000	1.08614	2.47249	Up	Up
15962	TraesCS3B03G1180100	1.01612	0.44399	Up	Down
15963	TraesCS3B03G1180600	0.87396	1.31568	No	No
15964	TraesCS3B03G1184800	0.55613	3.74814	Down	Up
15966	TraesCS3B03G1186200	0.47374	4.13065	Down	Up
15967	TraesCS3B03G1190600	1.29316	1.07254	UP	UP
15968	TraesCS3B03G1190700	1.06666	1.05745	UP	UP
15969	TraesCS3B03G1190800	1.31394	1.47711	UP	UP
15971	TraesCS3B03G1191100	1.21241	1.38599	UP	UP
15972	TraesCS3B03G1191300	0.53695	4.40914	Down	Up
15973	TraesCS3B03G1196000	1.2744	0.22811	Up	Down
15974	TraesCS3B03G1196200	0.84432	2.08811	Down	Up

15975	TraesCS3B03G1196500	3.39488	0.89531	Up	Down
15976	TraesCS3B03G1196700	1.49891	1.55822	UP	UP
15977	TraesCS3B03G1198400	1.19369	0.95266	No	No
15979	TraesCS3B03G1200700	1.5253	1.15217	UP	UP
15980	TraesCS3B03G1202500	1.18122	0.81235	No	No
15981	TraesCS3B03G1202700	1.2057	1.0789	UP	UP
15982	TraesCS3B03G1202900	0.91957	0.55173	Down	Down
15983	TraesCS3B03G1203200	1.04665	0.67585	No	No
15985	TraesCS3B03G1206200	0.70182	1.15123	No	No
15986	TraesCS3B03G1207900	0.90747	1.00815	No	No
15987	TraesCS3B03G1208500	1.05067	0.32855	Up	Down
15988	TraesCS3B03G1209200	0.70229	0.94646	Down	Down
15990	TraesCS3B03G1211400	3.98757	0.7352	Up	Down
15992	TraesCS3B03G1213900	1.79971	1.05223	UP	UP
15994	TraesCS3B03G1214600	0.58547	1.46227	No	No
15995	TraesCS3B03G1214600	1.22752	3.25384	Up	Up
15996	TraesCS3B03G1216000	0.82899	0.83316	Down	Down
15997	TraesCS3B03G1216400	0.78192	1.53043	No	No
15998	TraesCS3B03G1219300	0.90726	1.53492	No	No
15999	TraesCS3B03G1220400	0.52853	3.6922	Down	Up
16000	TraesCS3B03G1220500	0.80836	1.52209	No	No
16001	TraesCS3B03G1220700	1.06492	0.96237	No	No
16002	TraesCS3B03G1222100	1.20865	1.16779	UP	UP
16003	TraesCS3B03G1222200	0.7973	1.75541	No	No
16006	TraesCS3B03G1226600	1.07529	1.24754	UP	UP
16007	TraesCS3B03G1228700	1.04765	0.74179	No	No
16008	TraesCS3B03G1230400	0.79167	2.69964	Down	Up
16009	TraesCS3B03G1231500	0.80233	0.57408	Down	Down
16010	TraesCS3B03G1232700	1.05181	1.16428	UP	UP
16011	TraesCS3B03G1235600	0.86953	0.8187	Down	Down
16013	TraesCS3B03G1242000	1.00355	0.68592	No	No
16014	TraesCS3B03G1245200	0.93194	1.63129	No	No
16015	TraesCS3B03G1246400	0.96313	3.65491	Down	Up
16016	TraesCS3B03G1246800	1.07588	0.82655	No	No
16018	TraesCS3B03G1251700	1.10965	0.56248	No	No
16019	TraesCS3B03G1251800	1.00102	2.20544	Up	Up
16020	TraesCS3B03G1252300	1.53677	0.9641	No	No
16021	TraesCS3B03G1252500	0.65406	8.56881	Down	Up
16022	TraesCS3B03G1254100	0.81595	2.37298	Down	Up
16024	TraesCS3B03G1269500	0.90247	1.28377	No	No
16025	TraesCS3B03G1269800	0.68738	1.09843	No	No
16026	TraesCS3B03G1270300	0.90494	2.05416	Down	Up
16027	TraesCS3B03G1272400	1.17711	0.74112	No	No
16028	TraesCS3B03G1272600	1.19356	1.51569	UP	UP
16029	TraesCS3B03G1279200	0.87202	1.30073	No	No
16030	TraesCS3B03G1285000	1.19142	1.48324	UP	UP
16031	TraesCS3B03G1285200	0.42964	1.7405	Down	Up
16032	TraesCS3B03G1288400	0.91726	2.48271	Down	Up
16033	TraesCS3B03G1294700	1.33098	1.26005	UP	UP
16035	TraesCS3B03G1298900	0.91144	13.1724	Down	Up
16036	TraesCS3B03G1299900	0.88447	0.78876	Down	Down
16039	TraesCS3B03G1305000	0.94329	1.50048	No	No

16040	TraesCS3B03G1306400	0.33681	30.7463	Down	Up
16042	TraesCS3B03G1307400	0.23955	32.9719	Down	Up
16043	TraesCS3B03G1307800	0.64498	2.93665	Down	Up
16044	TraesCS3B03G1310500	1.34166	0.40242	Up	Down
16045	TraesCS3B03G1310600	0.79616	1.00505	No	No
16046	TraesCS3B03G1310800	0.59595	1.87109	No	No
16047	TraesCS3B03G1311400	0.46743	1.85489	Down	Up
16048	TraesCS3B03G1312000	0.20222	27.8348	Down	Up
16050	TraesCS3B03G1320200	0.80366	0.84789	Down	Down
16051	TraesCS3B03G1323700	0.90754	0.72022	Down	Down
16052	TraesCS3B03G1323800	0.40834	0.86947	Down	Down
16053	TraesCS3B03G1324500	1.69451	0.94046	No	No
16054	TraesCS3B03G1325100	1.2198	0.65265	No	No
16055	TraesCS3B03G1325300	0.75644	3.05871	Down	Up
16057	TraesCS3B03G1329000	0.6353	0.77898	Down	Down
16058	TraesCS3B03G1332300	1.24669	0.39787	Up	Down
16059	TraesCS3B03G1333200	0.45356	0.96357	Down	Down
16061	TraesCS3B03G1335100	1.07066	1.61528	UP	UP
16062	TraesCS3B03G1335600	0.61459	10.2077	Down	Up
16063	TraesCS3B03G1336100	0.84617	0.76047	Down	Down
16067	TraesCS3B03G1338300	1.03961	1.04439	UP	UP
16068	TraesCS3B03G1338300	1.13991	1.49775	UP	UP
16069	TraesCS3B03G1339100	0.72207	1.69005	No	No
16070	TraesCS3B03G1339500	1.20809	0.80085	No	No
16071	TraesCS3B03G1339600	0.91641	1.30758	No	No
16072	TraesCS3B03G1339800	0.94038	5.43617	Down	Up
16073	TraesCS3B03G1346400	1.16625	0.46253	Up	Down
16074	TraesCS3B03G1346500	1.28861	0.79444	No	No
16075	TraesCS3B03G1346600	1.18107	1.0235	UP	UP
16076	TraesCS3B03G1346800	1.14355	0.57504	No	No
16077	TraesCS3B03G1350600	0.98094	0.32503	Down	Down
16078	TraesCS3B03G1350700	0.92369	1.41523	No	No
16079	TraesCS3B03G1352500	0.96217	0.60546	Down	Down
16080	TraesCS3B03G1353200	0.73624	1.52961	No	No
16081	TraesCS3B03G1359000	0.80231	1.54013	No	No
16082	TraesCS3B03G1359800	1.1045	1.28204	UP	UP
16083	TraesCS3B03G1361900	0.59375	1.95203	No	No
16084	TraesCS3B03G1362600	1.00213	1.40239	UP	UP
16085	TraesCS3B03G1363400	0.89886	1.36695	No	No
16086	TraesCS3B03G1363500	1.27833	2.09188	Up	Up
16087	TraesCS3B03G1364700	1.05047	0.49859	Up	Down
16088	TraesCS3B03G1365100	1.56295	0.40301	Up	Down
16089	TraesCS3B03G1365200	0.8848	1.7033	No	No
16090	TraesCS3B03G1366600	5.53717	0.9775	Up	Down
16091	TraesCS3B03G1366700	1.11924	0.68953	No	No
16092	TraesCS3B03G1367100	1.40314	0.57062	No	No
16094	TraesCS3B03G1371900	0.73986	1.30748	No	No
16095	TraesCS3B03G1374100	0.72239	1.15274	No	No
16096	TraesCS3B03G1374200	0.66749	2.28898	Down	Up
16097	TraesCS3B03G1374500	1.00257	1.05633	UP	UP
16099	TraesCS3B03G1380100	3.89632	0.68083	Up	Down
16100	TraesCS3B03G1383800	1.44129	0.16168	Up	Down

16101	TraesCS3B03G1383800	1.01138	0.60308	No	No
16102	TraesCS3B03G1384200	1.02485	0.72047	No	No
16103	TraesCS3B03G1384500	0.75139	3.98324	Down	Up
16104	TraesCS3B03G1386500	0.51723	2.13505	Down	Up
16105	TraesCS3B03G1389300	0.89962	0.99183	Down	Down
16108	TraesCS3B03G1390000	0.92447	1.26062	No	No
16109	TraesCS3B03G1390100	1.03849	0.83062	No	No
16110	TraesCS3B03G1390300	0.91563	0.86561	Down	Down
16111	TraesCS3B03G1392500	0.89609	1.39187	No	No
16114	TraesCS3B03G1395900	1.12087	0.9379	No	No
16116	TraesCS3B03G1401400	1.02395	1.30278	UP	UP
16117	TraesCS3B03G1401500	0.96024	0.4894	Down	Down
16121	TraesCS3B03G1407700	0.63673	1.12789	No	No
16122	TraesCS3B03G1408200	0.96346	0.33495	Down	Down
16123	TraesCS3B03G1409300	1.33011	0.97412	No	No
16124	TraesCS3B03G1409300	1.32798	0.85057	No	No
16125	TraesCS3B03G1409400	0.69316	1.04688	No	No
16126	TraesCS3B03G1409400	0.99127	0.95534	Down	Down
16127	TraesCS3B03G1413400	0.73642	2.0176	Down	Up
16128	TraesCS3B03G1414400	1.35209	1.56716	UP	UP
16129	TraesCS3B03G1414700	1.04925	0.51262	No	No
16130	TraesCS3B03G1414800	0.71067	1.68775	No	No
16131	TraesCS3B03G1415500	0.99222	1.40361	No	No
16132	TraesCS3B03G1415600	0.88262	0.4803	Down	Down
16133	TraesCS3B03G1415700	0.91141	1.4863	No	No
16134	TraesCS3B03G1415800	0.96669	1.19356	No	No
16135	TraesCS3B03G1415900	0.79995	0.783	Down	Down
16136	TraesCS3B03G1419900	1.06661	0.52099	No	No
16139	TraesCS3B03G1431700	0.76871	1.71214	No	No
16140	TraesCS3B03G1431800	0.92287	1.53188	No	No
16141	TraesCS3B03G1432600	1.11539	1.0722	UP	UP
16142	TraesCS3B03G1433900	0.75429	2.39142	Down	Up
16143	TraesCS3B03G1434000	1.13359	0.65762	No	No
16144	TraesCS3B03G1434900	0.98079	0.16724	Down	Down
16145	TraesCS3B03G1437000	0.66171	1.1218	No	No
16146	TraesCS3B03G1437600	1.19238	1.26142	UP	UP
16147	TraesCS3B03G1438600	1.07302	1.4136	UP	UP
16148	TraesCS3B03G1438700	0.68231	0.81465	Down	Down
16150	TraesCS3B03G1441400	0.90512	1.74484	No	No
16151	TraesCS3B03G1442500	1.0025	0.59664	No	No
16153	TraesCS3B03G1444700	0.56136	0.62343	Down	Down
16154	TraesCS3B03G1445600	0.70683	2.20112	Down	Up
16155	TraesCS3B03G1447900	0.92825	1.16199	No	No
16156	TraesCS3B03G1448700	0.89044	0.9735	Down	Down
16160	TraesCS3B03G1452300	1.18076	0.76497	No	No
16161	TraesCS3B03G1453300	1.17449	1.52105	UP	UP
16162	TraesCS3B03G1453400	0.88689	1.52582	No	No
16165	TraesCS3B03G1455400	1.06115	1.91886	UP	UP
16166	TraesCS3B03G1455500	0.69175	0.70177	Down	Down
16167	TraesCS3B03G1455900	1.57583	1.0642	UP	UP
16168	TraesCS3B03G1455900	1.0723	0.59497	No	No
16169	TraesCS3B03G1456000	0.9466	1.01448	No	No

16170	TraesCS3B03G1457200	0.98387	0.84354	Down	Down
16171	TraesCS3B03G1457300	1.2658	1.09487	UP	UP
16172	TraesCS3B03G1458100	1.14171	1.16299	UP	UP
16174	TraesCS3B03G1460400	0.77427	1.25235	No	No
16175	TraesCS3B03G1460700	0.75956	1.54807	No	No
16176	TraesCS3B03G1460900	0.44255	7.38623	Down	Up
16177	TraesCS3B03G1461200	0.90494	0.81196	Down	Down
16178	TraesCS3B03G1463000	0.51075	1.30079	No	No
16179	TraesCS3B03G1463600	0.92553	1.17561	No	No
16180	TraesCS3B03G1463700	0.8582	0.82156	Down	Down
16181	TraesCS3B03G1468400	1.18025	0.8217	No	No
16182	TraesCS3B03G1468900	1.1954	0.81063	No	No
16183	TraesCS3B03G1470100	0.37882	5.7949	Down	Up
16184	TraesCS3B03G1474000	1.08693	0.78939	No	No
16186	TraesCS3B03G1474300	0.92113	0.99003	Down	Down
16187	TraesCS3B03G1474400	0.93195	1.9515	No	No
16188	TraesCS3B03G1475300	0.88149	2.02095	Down	Up
16189	TraesCS3B03G1476600	0.79739	1.60752	No	No
16190	TraesCS3B03G1477500	0.85445	1.01421	No	No
16192	TraesCS3B03G1477700	0.87741	1.37768	No	No
16193	TraesCS3B03G1478200	1.96869	2.04511	UP	UP
16194	TraesCS3B03G1479100	0.88496	0.8363	Down	Down
16195	TraesCS3B03G1479300	0.61075	1.17414	No	No
16196	TraesCS3B03G1479700	1.13859	1.44093	UP	UP
16197	TraesCS3B03G1479900	2.01277	0.75886	Up	Down
16198	TraesCS3B03G1480000	1.19471	0.78401	No	No
16199	TraesCS3B03G1480600	0.8505	0.59897	Down	Down
16201	TraesCS3B03G1481200	0.97865	0.60053	Down	Down
16203	TraesCS3B03G1482600	1.16643	0.35046	Up	Down
16204	TraesCS3B03G1482600	1.61426	0.78987	No	No
16207	TraesCS3B03G1488700	0.89057	3.26977	Down	Up
16208	TraesCS3B03G1490600	0.77026	0.98171	Down	Down
16209	TraesCS3B03G1493700	1.02382	0.6656	No	No
16210	TraesCS3B03G1493700	1.42878	1.14827	UP	UP
16211	TraesCS3B03G1493800	0.92339	1.54148	No	No
16212	TraesCS3B03G1494300	1.31212	0.16739	Up	Down
16213	TraesCS3B03G1494300	1.4356	0.23037	Up	Down
16214	TraesCS3B03G1494600	0.67704	0.8748	Down	Down
16215	TraesCS3B03G1495900	0.47086	7.86708	Down	Up
16216	TraesCS3B03G1496100	0.30976	7.88914	Down	Up
16217	TraesCS3B03G1497600	1.0036	1.53312	UP	UP
16218	TraesCS3B03G1498800	0.59189	0.49962	Down	Down
16219	TraesCS3B03G1499000	1.50188	1.97658	UP	UP
16221	TraesCS3B03G1501900	1.00743	2.5547	Up	Up
16222	TraesCS3B03G1502700	0.72435	0.68451	Down	Down
16223	TraesCS3B03G1503400	1.6576	0.57904	No	No
16224	TraesCS3B03G1503600	0.77364	0.54432	Down	Down
16225	TraesCS3B03G1503900	0.38354	0.62617	Down	Down
16226	TraesCS3B03G1504500	1.0012	1.99516	UP	UP
16227	TraesCS3B03G1504600	0.85048	1.53428	No	No
16228	TraesCS3B03G1504700	0.80704	1.42145	No	No
16229	TraesCS3B03G1506500	0.709	1.04106	No	No

16231	TraesCS3D03G0002000	1.2782	0.4444	Up	Down
16232	TraesCS3D03G0003900	1.24169	1.20403	UP	UP
16233	TraesCS3D03G0004100	0.93569	1.86743	No	No
16234	TraesCS3D03G0005400	1.72804	0.83268	No	No
16236	TraesCS3D03G0010000	1.54747	0.63842	No	No
16237	TraesCS3D03G0012100	0.7058	0.65622	Down	Down
16238	TraesCS3D03G0013200	0.56115	18.7607	Down	Up
16239	TraesCS3D03G0013300	0.70977	1.60546	No	No
16240	TraesCS3D03G0013800	1.6744	6.85371	Up	Up
16242	TraesCS3D03G0016900	0.62325	1.14732	No	No
16243	TraesCS3D03G0017900	0.94506	0.36459	Down	Down
16244	TraesCS3D03G0020900	0.61193	0.77336	Down	Down
16245	TraesCS3D03G0026100	0.32781	1.79668	Down	Up
16246	TraesCS3D03G0026500	1.33504	1.88822	UP	UP
16248	TraesCS3D03G0026700	0.98764	1.18839	No	No
16250	TraesCS3D03G0027200	0.53016	2.92282	Down	Up
16251	TraesCS3D03G0031100	0.28622	0.6991	Down	Down
16252	TraesCS3D03G0031400	0.33688	0.52062	Down	Down
16253	TraesCS3D03G0033400	1.11879	0.97382	No	No
16254	TraesCS3D03G0033500	0.33892	0.98199	Down	Down
16255	TraesCS3D03G0033600	0.66631	1.9022	No	No
16256	TraesCS3D03G0033700	0.66374	0.98007	Down	Down
16257	TraesCS3D03G0034100	0.21093	1.36431	Down	Up
16258	TraesCS3D03G0035100	0.78638	1.40724	No	No
16259	TraesCS3D03G0035300	0.66144	1.36532	No	No
16260	TraesCS3D03G0035600	0.61432	1.16043	No	No
16261	TraesCS3D03G0035900	0.3416	2.66408	Down	Up
16262	TraesCS3D03G0036900	0.63546	2.14232	Down	Up
16263	TraesCS3D03G0038500	0.66211	0.37652	Down	Down
16264	TraesCS3D03G0038600	0.19239	0.16514	Down	Down
16265	TraesCS3D03G0038800	0.22333	2.94934	Down	Up
16266	TraesCS3D03G0039200	0.46249	0.31214	Down	Down
16267	TraesCS3D03G0039700	0.99009	0.72494	Down	Down
16268	TraesCS3D03G0041300	0.49606	0.93441	Down	Down
16269	TraesCS3D03G0042300	0.63481	0.68425	Down	Down
16270	TraesCS3D03G0043600	1.15897	3.94331	Up	Up
16271	TraesCS3D03G0044600	1.24732	1.7093	UP	UP
16272	TraesCS3D03G0045000	0.56185	3.66083	Down	Up
16273	TraesCS3D03G0045300	0.63656	3.91074	Down	Up
16274	TraesCS3D03G0045600	0.89002	0.45463	Down	Down
16275	TraesCS3D03G0046800	0.91569	2.22651	Down	Up
16276	TraesCS3D03G0048700	0.91047	3.6963	Down	Up
16278	TraesCS3D03G0057400	0.94886	1.37183	No	No
16279	TraesCS3D03G0057500	0.79725	1.09612	No	No
16280	TraesCS3D03G0057500	1.08328	1.72047	UP	UP
16281	TraesCS3D03G0057600	0.87942	1.77957	No	No
16282	TraesCS3D03G0058400	0.78537	0.86062	Down	Down
16283	TraesCS3D03G0059000	0.89468	0.98512	Down	Down
16284	TraesCS3D03G0059500	0.98223	0.2955	Down	Down
16285	TraesCS3D03G0059700	0.67476	3.20822	Down	Up
16286	TraesCS3D03G0061000	2.29841	3.59063	Up	Up
16287	TraesCS3D03G0064900	0.59069	1.54479	No	No

16288	TraesCS3D03G0065000	0.7543	1.19962	No	No
16289	TraesCS3D03G0066000	2.90512	0.77345	Up	Down
16290	TraesCS3D03G0066200	0.26304	0.86519	Down	Down
16291	TraesCS3D03G0066300	1.44808	0.35229	Up	Down
16292	TraesCS3D03G0066600	0.56768	1.93823	No	No
16293	TraesCS3D03G0066700	0.59638	2.67663	Down	Up
16294	TraesCS3D03G0067100	1.11223	1.37489	UP	UP
16295	TraesCS3D03G0067600	0.88452	0.91626	Down	Down
16296	TraesCS3D03G0067900	0.18097	1.82131	Down	Up
16297	TraesCS3D03G0068700	0.80802	3.24648	Down	Up
16298	TraesCS3D03G0068800	1.20035	0.24923	Up	Down
16299	TraesCS3D03G0068900	0.86936	1.77189	No	No
16301	TraesCS3D03G0069700	0.81241	0.95666	Down	Down
16302	TraesCS3D03G0070100	0.85044	0.83678	Down	Down
16303	TraesCS3D03G0070300	0.85361	4.0515	Down	Up
16304	TraesCS3D03G0070400	1.27619	1.5978	UP	UP
16305	TraesCS3D03G0071600	0.73136	1.36773	No	No
16306	TraesCS3D03G0072200	0.35539	3.63979	Down	Up
16307	TraesCS3D03G0074500	1.31194	0.5923	No	No
16308	TraesCS3D03G0074600	0.6016	6.26244	Down	Up
16309	TraesCS3D03G0074700	0.6244	4.64718	Down	Up
16310	TraesCS3D03G0075200	0.45097	6.41718	Down	Up
16311	TraesCS3D03G0075300	1.72021	0.39648	Up	Down
16312	TraesCS3D03G0075900	1.12242	0.7654	No	No
16313	TraesCS3D03G0076200	1.32921	1.27892	UP	UP
16314	TraesCS3D03G0076700	0.97501	1.87191	No	No
16315	TraesCS3D03G0076800	2.15153	2.40257	UP	UP
16316	TraesCS3D03G0077300	0.65571	0.91168	Down	Down
16317	TraesCS3D03G0077500	0.87854	1.17611	No	No
16318	TraesCS3D03G0078100	1.08114	0.68138	No	No
16319	TraesCS3D03G0078300	0.99911	1.32194	No	No
16320	TraesCS3D03G0078500	1.16214	1.45658	UP	UP
16321	TraesCS3D03G0079400	1.07502	2.33084	Up	Up
16322	TraesCS3D03G0079400	0.85846	0.56528	Down	Down
16323	TraesCS3D03G0081400	1.01741	1.90451	UP	UP
16324	TraesCS3D03G0082600	0.97867	3.0604	Down	Up
16325	TraesCS3D03G0083600	0.97846	3.08012	Down	Up
16326	TraesCS3D03G0085900	2.07374	1.76073	UP	UP
16327	TraesCS3D03G0086500	1.27113	0.67231	No	No
16328	TraesCS3D03G0086700	0.82711	3.0229	Down	Up
16329	TraesCS3D03G0090800	0.66449	1.53297	No	No
16333	TraesCS3D03G0095000	0.74549	0.2885	Down	Down
16335	TraesCS3D03G0096000	0.97066	0.05688	Down	Down
16336	TraesCS3D03G0096400	0.65621	0.54617	Down	Down
16337	TraesCS3D03G0098700	0.70754	1.58356	No	No
16340	TraesCS3D03G0098900	1.00214	1.01011	UP	UP
16341	TraesCS3D03G0100200	1.24137	0.40629	Up	Down
16342	TraesCS3D03G0100200	1.06892	3.40405	Up	Up
16343	TraesCS3D03G0100300	1.03857	0.24167	Up	Down
16345	TraesCS3D03G0100800	0.8796	0.51168	Down	Down
16346	TraesCS3D03G0101000	0.77742	0.53763	Down	Down
16347	TraesCS3D03G0101200	0.7366	0.64923	Down	Down

16348	TraesCS3D03G0101300	0.93941	0.93703	Down	Down
16349	TraesCS3D03G0101600	0.72047	1.75079	No	No
16351	TraesCS3D03G0102700	0.7568	1.51759	No	No
16352	TraesCS3D03G0102900	0.84195	1.13828	No	No
16353	TraesCS3D03G0104000	1.4168	1.13322	UP	UP
16354	TraesCS3D03G0104100	0.96789	1.42488	No	No
16355	TraesCS3D03G0104200	1.06837	0.59609	No	No
16356	TraesCS3D03G0105500	0.86282	2.36252	Down	Up
16357	TraesCS3D03G0105600	0.86565	1.76262	No	No
16358	TraesCS3D03G0105700	0.71023	0.57983	Down	Down
16362	TraesCS3D03G0109400	1.31993	0.51993	No	No
16363	TraesCS3D03G0111000	1.19327	1.10281	UP	UP
16364	TraesCS3D03G0111200	0.68372	0.43901	Down	Down
16366	TraesCS3D03G0112300	1.34171	1.10686	UP	UP
16367	TraesCS3D03G0112500	1.22383	0.59355	No	No
16369	TraesCS3D03G0114600	1.12927	0.98833	No	No
16370	TraesCS3D03G0114800	0.76093	0.78647	Down	Down
16371	TraesCS3D03G0115700	0.84439	2.08055	Down	Up
16372	TraesCS3D03G0115700	1.39261	2.62268	Up	Up
16373	TraesCS3D03G0116300	1.69413	11.9608	Up	Up
16374	TraesCS3D03G0116400	0.974	0.29993	Down	Down
16375	TraesCS3D03G0116600	1.73777	1.34935	UP	UP
16376	TraesCS3D03G0116700	0.96954	1.52142	No	No
16378	TraesCS3D03G0118000	0.54286	1.08752	No	No
16379	TraesCS3D03G0118500	0.56189	2.20809	Down	Up
16380	TraesCS3D03G0118800	0.80096	1.25269	No	No
16381	TraesCS3D03G0119600	0.57123	1.21023	No	No
16382	TraesCS3D03G0121000	1.32982	1.93172	UP	UP
16383	TraesCS3D03G0121100	1.2092	1.62207	UP	UP
16384	TraesCS3D03G0122600	0.79079	3.70959	Down	Up
16386	TraesCS3D03G0125000	1.72321	3.20096	Up	Up
16387	TraesCS3D03G0125200	0.99422	0.86646	Down	Down
16388	TraesCS3D03G0125700	0.95847	1.14171	No	No
16389	TraesCS3D03G0125900	0.50144	0.97281	Down	Down
16390	TraesCS3D03G0126100	0.98501	0.98201	Down	Down
16392	TraesCS3D03G0127100	0.80009	1.08903	No	No
16394	TraesCS3D03G0127700	1.14691	1.73484	UP	UP
16395	TraesCS3D03G0128000	1.56776	0.95158	No	No
16396	TraesCS3D03G0129400	0.68151	1.66012	No	No
16397	TraesCS3D03G0130400	0.89419	2.42358	Down	Up
16398	TraesCS3D03G0131100	1.05722	1.49956	UP	UP
16400	TraesCS3D03G0135000	1.2642	0.95047	No	No
16401	TraesCS3D03G0136500	1.16695	1.05517	UP	UP
16402	TraesCS3D03G0137400	0.97705	1.32242	No	No
16404	TraesCS3D03G0141200	1.07316	0.751	No	No
16405	TraesCS3D03G0141500	1.09456	1.07745	UP	UP
16406	TraesCS3D03G0142700	1.23307	14.4083	Up	Up
16407	TraesCS3D03G0142800	0.57467	4.19487	Down	Up
16408	TraesCS3D03G0142900	0.86343	1.56353	No	No
16409	TraesCS3D03G0143300	0.74075	0.67795	Down	Down
16410	TraesCS3D03G0143400	1.01227	0.72106	No	No
16411	TraesCS3D03G0144800	1.06284	1.28131	UP	UP

16412	TraesCS3D03G0146400	0.74836	0.47044	Down	Down
16413	TraesCS3D03G0146900	0.9386	2.11997	Down	Up
16414	TraesCS3D03G0147000	0.64028	1.58067	No	No
16415	TraesCS3D03G0147100	0.80018	3.23461	Down	Up
16416	TraesCS3D03G0147200	0.69663	2.54879	Down	Up
16417	TraesCS3D03G0149000	0.91197	1.90449	No	No
16418	TraesCS3D03G0149100	0.81386	0.44423	Down	Down
16419	TraesCS3D03G0149100	0.97312	1.57474	No	No
16420	TraesCS3D03G0149200	1.0707	0.51163	No	No
16421	TraesCS3D03G0149800	0.94264	1.33037	No	No
16422	TraesCS3D03G0150100	1.10378	0.25041	Up	Down
16423	TraesCS3D03G0150200	0.82654	0.67926	Down	Down
16424	TraesCS3D03G0151300	1.30764	1.8082	UP	UP
16426	TraesCS3D03G0151700	1.29473	0.68012	No	No
16427	TraesCS3D03G0151800	0.70393	1.84901	No	No
16428	TraesCS3D03G0154900	0.6901	0.4249	Down	Down
16429	TraesCS3D03G0155200	1.54144	0.52287	No	No
16430	TraesCS3D03G0155400	0.8257	0.54321	Down	Down
16431	TraesCS3D03G0155400	1.14057	1.22848	UP	UP
16432	TraesCS3D03G0155800	0.86826	0.61928	Down	Down
16433	TraesCS3D03G0156100	0.65948	1.96139	No	No
16434	TraesCS3D03G0157500	0.77472	6.68945	Down	Up
16436	TraesCS3D03G0160200	0.95243	0.27643	Down	Down
16437	TraesCS3D03G0160300	1.25743	0.33471	Up	Down
16438	TraesCS3D03G0163100	1.14106	0.54659	No	No
16439	TraesCS3D03G0163300	0.72017	2.55439	Down	Up
16440	TraesCS3D03G0163600	1.13813	2.11607	Up	Up
16441	TraesCS3D03G0163600	1.06401	0.79739	No	No
16442	TraesCS3D03G0164300	0.98911	0.46306	Down	Down
16443	TraesCS3D03G0164700	0.90955	1.43877	No	No
16444	TraesCS3D03G0164800	0.71628	0.4682	Down	Down
16445	TraesCS3D03G0165600	1.50164	0.31095	Up	Down
16446	TraesCS3D03G0165800	0.88983	0.78694	Down	Down
16447	TraesCS3D03G0166600	1.08336	1.26537	UP	UP
16448	TraesCS3D03G0166700	1.43628	0.48797	Up	Down
16449	TraesCS3D03G0166900	1.39387	0.16399	Up	Down
16450	TraesCS3D03G0167500	1.24143	0.35843	Up	Down
16451	TraesCS3D03G0167600	0.82354	0.19515	Down	Down
16452	TraesCS3D03G0167700	0.75196	0.26341	Down	Down
16453	TraesCS3D03G0168800	0.93445	1.15308	No	No
16454	TraesCS3D03G0169000	0.91247	1.53761	No	No
16455	TraesCS3D03G0169100	0.57901	1.02194	No	No
16456	TraesCS3D03G0169300	1.08833	0.83075	No	No
16457	TraesCS3D03G0171300	0.95119	1.08138	No	No
16458	TraesCS3D03G0171600	0.91639	0.77035	Down	Down
16459	TraesCS3D03G0171800	0.6396	1.34173	No	No
16460	TraesCS3D03G0172000	0.69765	1.35976	No	No
16461	TraesCS3D03G0172100	0.92099	1.60975	No	No
16462	TraesCS3D03G0172200	0.94489	1.53174	No	No
16463	TraesCS3D03G0172300	0.87409	0.81055	Down	Down
16464	TraesCS3D03G0172400	0.6634	0.44508	Down	Down
16465	TraesCS3D03G0172500	1.31834	0.77777	No	No

16466	TraesCS3D03G0172600	0.83548	0.30026	Down	Down
16467	TraesCS3D03G0173400	0.84882	6.6118	Down	Up
16468	TraesCS3D03G0175700	1.01543	0.15562	Up	Down
16469	TraesCS3D03G0175800	0.98934	0.87692	Down	Down
16470	TraesCS3D03G0176100	0.61789	0.88272	Down	Down
16471	TraesCS3D03G0178500	0.95006	1.49211	No	No
16472	TraesCS3D03G0178600	1.08293	0.81816	No	No
16473	TraesCS3D03G0178900	1.03238	0.47557	Up	Down
16474	TraesCS3D03G0180900	0.80794	0.62342	Down	Down
16475	TraesCS3D03G0181100	1.53539	1.14613	UP	UP
16476	TraesCS3D03G0181500	1.49491	0.64146	No	No
16477	TraesCS3D03G0184100	0.90421	1.00756	No	No
16478	TraesCS3D03G0185100	0.85186	1.15889	No	No
16479	TraesCS3D03G0186300	5.04467	0.98205	Up	Down
16480	TraesCS3D03G0188900	0.908	0.26421	Down	Down
16481	TraesCS3D03G0189000	0.87118	1.91953	No	No
16482	TraesCS3D03G0189200	0.95395	1.73453	No	No
16483	TraesCS3D03G0189300	1.03132	1.8762	UP	UP
16484	TraesCS3D03G0189500	0.84533	0.65801	Down	Down
16485	TraesCS3D03G0192000	0.70751	1.57104	No	No
16486	TraesCS3D03G0192800	0.62182	1.87174	No	No
16488	TraesCS3D03G0195100	0.85955	2.27632	Down	Up
16489	TraesCS3D03G0195500	0.98967	1.00637	No	No
16490	TraesCS3D03G0195700	2.33013	0.26735	Up	Down
16491	TraesCS3D03G0196000	1.23207	0.87343	No	No
16492	TraesCS3D03G0196300	1.01958	1.64113	UP	UP
16494	TraesCS3D03G0200400	1.1088	2.09913	Up	Up
16495	TraesCS3D03G0200600	2.72908	0.39041	Up	Down
16496	TraesCS3D03G0200800	0.84708	1.14355	No	No
16497	TraesCS3D03G0200800	0.71893	1.00488	No	No
16499	TraesCS3D03G0202600	1.05162	0.57065	No	No
16500	TraesCS3D03G0202800	0.81207	1.09104	No	No
16501	TraesCS3D03G0202900	0.89285	0.67432	Down	Down
16504	TraesCS3D03G0204300	1.09738	1.4568	UP	UP
16506	TraesCS3D03G0206000	0.34027	3.87346	Down	Up
16512	TraesCS3D03G0214300	0.94504	1.22509	No	No
16513	TraesCS3D03G0215400	0.78432	2.30929	Down	Up
16514	TraesCS3D03G0215800	0.91432	1.33504	No	No
16516	TraesCS3D03G0216400	0.66598	2.42152	Down	Up
16518	TraesCS3D03G0217600	1.11759	2.12691	Up	Up
16520	TraesCS3D03G0218100	0.92274	0.93865	Down	Down
16521	TraesCS3D03G0218200	1.14714	0.70978	No	No
16522	TraesCS3D03G0218300	0.66277	0.37978	Down	Down
16523	TraesCS3D03G0218400	0.78882	0.71943	Down	Down
16524	TraesCS3D03G0218600	1.65612	0.20143	Up	Down
16525	TraesCS3D03G0219300	1.61261	0.33404	Up	Down
16526	TraesCS3D03G0219500	1.15218	0.43893	Up	Down
16527	TraesCS3D03G0219800	0.68603	0.9123	Down	Down
16528	TraesCS3D03G0220400	1.08327	1.12066	UP	UP
16529	TraesCS3D03G0221000	1.21486	0.83288	No	No
16530	TraesCS3D03G0221600	0.29461	0.85602	Down	Down
16532	TraesCS3D03G0222000	1.47302	6.3149	Up	Up

16534	TraesCS3D03G0222600	1.24208	1.47888	UP	UP
16535	TraesCS3D03G0222600	0.76917	1.15146	No	No
16536	TraesCS3D03G0223100	1.27235	0.95434	No	No
16537	TraesCS3D03G0223300	1.1759	0.29806	Up	Down
16538	TraesCS3D03G0224700	0.98271	0.24231	Down	Down
16540	TraesCS3D03G0225800	0.48018	2.41552	Down	Up
16541	TraesCS3D03G0225800	0.7367	1.72792	No	No
16542	TraesCS3D03G0226000	0.86203	0.70775	Down	Down
16543	TraesCS3D03G0226500	0.99923	3.49204	Down	Up
16544	TraesCS3D03G0227900	1.45662	0.22527	Up	Down
16545	TraesCS3D03G0228500	0.98737	0.54474	Down	Down
16546	TraesCS3D03G0228600	0.67005	0.60243	Down	Down
16547	TraesCS3D03G0229400	0.86553	0.45591	Down	Down
16548	TraesCS3D03G0229600	2.20643	1.13683	Up	Up
16549	TraesCS3D03G0229600	1.97719	3.50124	Up	Up
16550	TraesCS3D03G0229700	1.41445	0.70374	No	No
16552	TraesCS3D03G0230300	1.24059	1.09153	UP	UP
16553	TraesCS3D03G0230900	1.31795	0.83995	No	No
16556	TraesCS3D03G0233000	0.62463	1.73482	No	No
16557	TraesCS3D03G0233400	0.92304	1.7917	No	No
16558	TraesCS3D03G0233500	0.72016	1.07911	No	No
16561	TraesCS3D03G0234600	1.13443	1.68548	UP	UP
16564	TraesCS3D03G0235300	0.88871	0.76859	Down	Down
16565	TraesCS3D03G0235400	0.94575	1.11649	No	No
16566	TraesCS3D03G0235600	0.80376	4.18279	Down	Up
16567	TraesCS3D03G0235800	1.12988	0.62546	No	No
16568	TraesCS3D03G0236100	0.57816	8.03406	Down	Up
16569	TraesCS3D03G0236800	0.78639	0.91408	Down	Down
16570	TraesCS3D03G0237700	0.87634	0.54224	Down	Down
16571	TraesCS3D03G0237800	0.90115	1.31225	No	No
16572	TraesCS3D03G0238300	0.71319	0.59344	Down	Down
16573	TraesCS3D03G0238300	0.93739	1.28959	No	No
16574	TraesCS3D03G0238300	0.91663	0.65807	Down	Down
16576	TraesCS3D03G0239600	1.10225	0.73751	No	No
16578	TraesCS3D03G0240200	1.0458	0.59029	No	No
16579	TraesCS3D03G0240700	1.09412	14.2085	Up	Up
16580	TraesCS3D03G0240800	0.76278	1.97332	No	No
16582	TraesCS3D03G0241600	0.89089	1.13142	No	No
16583	TraesCS3D03G0241700	1.07769	0.49876	Up	Down
16584	TraesCS3D03G0241700	1.22927	0.63408	No	No
16585	TraesCS3D03G0242300	1.15476	1.49193	UP	UP
16586	TraesCS3D03G0242400	0.7597	0.82837	Down	Down
16587	TraesCS3D03G0242600	0.59268	0.78788	Down	Down
16588	TraesCS3D03G0245000	0.86246	0.92242	Down	Down
16589	TraesCS3D03G0245200	1.0186	0.77392	No	No
16590	TraesCS3D03G0245500	1.63506	0.72657	No	No
16591	TraesCS3D03G0246600	1.1093	1.17899	UP	UP
16592	TraesCS3D03G0246800	1.41398	1.30285	UP	UP
16593	TraesCS3D03G0247500	1.07355	1.11055	UP	UP
16595	TraesCS3D03G0250500	0.91984	0.39612	Down	Down
16596	TraesCS3D03G0251200	0.6725	0.68964	Down	Down
16597	TraesCS3D03G0251300	1.28971	1.11497	UP	UP

16598	TraesCS3D03G0252000	0.88168	1.12761	No	No
16599	TraesCS3D03G0252100	0.90224	2.14726	Down	Up
16600	TraesCS3D03G0254000	1.06349	5.60506	Up	Up
16601	TraesCS3D03G0255200	0.89153	1.2656	No	No
16602	TraesCS3D03G0258200	0.92019	1.11274	No	No
16603	TraesCS3D03G0258900	0.62583	0.26487	Down	Down
16604	TraesCS3D03G0259000	1.06203	1.26024	UP	UP
16605	TraesCS3D03G0259100	0.96572	2.26041	Down	Up
16607	TraesCS3D03G0259900	1.01749	1.26096	UP	UP
16608	TraesCS3D03G0260400	0.90785	1.72342	No	No
16609	TraesCS3D03G0261400	0.80719	1.53576	No	No
16610	TraesCS3D03G0261500	1.71027	0.93119	No	No
16613	TraesCS3D03G0264800	0.9224	0.85527	Down	Down
16614	TraesCS3D03G0264900	2.07929	0.95593	Up	Down
16615	TraesCS3D03G0265100	1.4303	2.57844	Up	Up
16616	TraesCS3D03G0265600	0.79915	3.44475	Down	Up
16617	TraesCS3D03G0265700	1.00078	0.82176	No	No
16618	TraesCS3D03G0266500	0.89152	1.96537	No	No
16619	TraesCS3D03G0266600	0.7783	1.59265	No	No
16620	TraesCS3D03G0266900	2.13776	1.88625	UP	UP
16621	TraesCS3D03G0268000	1.05145	0.87901	No	No
16622	TraesCS3D03G0269700	1.2386	0.72385	No	No
16623	TraesCS3D03G0270200	1.12191	0.57102	No	No
16624	TraesCS3D03G0270300	0.94389	0.70062	Down	Down
16625	TraesCS3D03G0270500	1.42067	0.64559	No	No
16626	TraesCS3D03G0270500	1.07653	1.03702	UP	UP
16628	TraesCS3D03G0272500	1.10088	0.51569	No	No
16629	TraesCS3D03G0272600	0.70046	1.24055	No	No
16630	TraesCS3D03G0272800	0.67535	0.57594	Down	Down
16632	TraesCS3D03G0273600	1.65453	2.62272	Up	Up
16633	TraesCS3D03G0273700	0.94582	1.00902	No	No
16635	TraesCS3D03G0274100	1.09089	1.17822	UP	UP
16636	TraesCS3D03G0274200	0.42636	0.75534	Down	Down
16637	TraesCS3D03G0274700	0.69513	1.11413	No	No
16638	TraesCS3D03G0274800	1.36615	0.56169	No	No
16639	TraesCS3D03G0275200	1.24848	0.44236	Up	Down
16640	TraesCS3D03G0275400	5.15958	0.13738	Up	Down
16641	TraesCS3D03G0275600	1.14338	1.07278	UP	UP
16645	TraesCS3D03G0276100	1.49238	1.52732	UP	UP
16646	TraesCS3D03G0276400	0.77509	2.86669	Down	Up
16647	TraesCS3D03G0276400	1.3126	0.64547	No	No
16648	TraesCS3D03G0276500	0.98818	2.47309	Down	Up
16649	TraesCS3D03G0276800	1.86503	2.57354	Up	Up
16650	TraesCS3D03G0276800	0.75068	1.09559	No	No
16651	TraesCS3D03G0276800	0.84548	0.72092	Down	Down
16652	TraesCS3D03G0277300	1.20062	0.66164	No	No
16653	TraesCS3D03G0277400	0.93967	1.06933	No	No
16654	TraesCS3D03G0278800	1.08722	11.7992	Up	Up
16656	TraesCS3D03G0279900	2.30731	1.62047	Up	Up
16657	TraesCS3D03G0280000	1.19405	1.79868	UP	UP
16658	TraesCS3D03G0281500	0.51726	0.63095	Down	Down
16660	TraesCS3D03G0282000	1.06974	1.8634	UP	UP

16661	TraesCS3D03G0282300	1.3316	3.57346	Up	Up
16662	TraesCS3D03G0282600	0.79078	0.84604	Down	Down
16664	TraesCS3D03G0285400	0.68892	0.774	Down	Down
16666	TraesCS3D03G0285600	0.82556	1.2071	No	No
16667	TraesCS3D03G0286000	1.18892	0.2739	Up	Down
16668	TraesCS3D03G0286400	1.26766	0.67966	No	No
16669	TraesCS3D03G0286600	1.29973	0.3577	Up	Down
16670	TraesCS3D03G0286900	0.83354	0.63831	Down	Down
16671	TraesCS3D03G0287700	1.16591	1.16049	UP	UP
16672	TraesCS3D03G0288000	1.09736	0.21267	Up	Down
16673	TraesCS3D03G0288900	0.92145	1.57378	No	No
16674	TraesCS3D03G0289200	0.6752	2.43052	Down	Up
16675	TraesCS3D03G0289300	0.65979	1.49884	No	No
16676	TraesCS3D03G0289400	1.24317	0.40629	Up	Down
16677	TraesCS3D03G0289600	0.97031	0.396	Down	Down
16678	TraesCS3D03G0289700	0.81247	1.22575	No	No
16679	TraesCS3D03G0291100	0.67317	1.37034	No	No
16681	TraesCS3D03G0292200	1.07298	1.91221	UP	UP
16683	TraesCS3D03G0292400	1.03183	1.91417	UP	UP
16684	TraesCS3D03G0292700	0.74671	1.74465	No	No
16685	TraesCS3D03G0293200	1.09784	0.76088	No	No
16687	TraesCS3D03G0294300	0.99911	1.72916	No	No
16688	TraesCS3D03G0294500	0.72743	2.62482	Down	Up
16689	TraesCS3D03G0296500	0.76856	1.3702	No	No
16691	TraesCS3D03G0296900	0.57704	2.15112	Down	Up
16692	TraesCS3D03G0297100	0.81337	0.97889	Down	Down
16693	TraesCS3D03G0297300	0.79323	0.37964	Down	Down
16694	TraesCS3D03G0297500	0.74398	0.89684	Down	Down
16695	TraesCS3D03G0297600	0.87723	2.02552	Down	Up
16696	TraesCS3D03G0299500	0.86404	0.62597	Down	Down
16697	TraesCS3D03G0300000	1.06979	1.3793	UP	UP
16698	TraesCS3D03G0300200	0.28539	0.09864	Down	Down
16699	TraesCS3D03G0300800	0.98011	1.13307	No	No
16700	TraesCS3D03G0306100	1.00334	0.97102	No	No
16701	TraesCS3D03G0306500	1.21854	0.82668	No	No
16703	TraesCS3D03G0307600	0.809	1.00672	No	No
16704	TraesCS3D03G0307700	0.81437	0.96179	Down	Down
16705	TraesCS3D03G0308000	0.72047	1.00811	No	No
16706	TraesCS3D03G0308300	0.85999	2.08927	Down	Up
16707	TraesCS3D03G0308400	0.70042	0.46204	Down	Down
16708	TraesCS3D03G0308900	0.73724	1.83494	No	No
16709	TraesCS3D03G0309400	0.85693	0.66137	Down	Down
16710	TraesCS3D03G0309400	1.19877	0.90545	No	No
16711	TraesCS3D03G0311200	0.78951	7.28244	Down	Up
16712	TraesCS3D03G0311600	0.59513	13.7797	Down	Up
16713	TraesCS3D03G0311800	0.64649	1.29579	No	No
16715	TraesCS3D03G0314500	1.01142	1.39765	UP	UP
16716	TraesCS3D03G0314600	1.08147	0.79583	No	No
16717	TraesCS3D03G0315400	1.19051	0.88106	No	No
16718	TraesCS3D03G0315500	0.46045	1.04913	Down	Up
16719	TraesCS3D03G0315800	0.98981	0.17816	Down	Down
16720	TraesCS3D03G0316300	0.60329	1.1208	No	No

16721	TraesCS3D03G0316700	1.16629	0.67921	No	No
16722	TraesCS3D03G0317200	0.71712	3.55512	Down	Up
16723	TraesCS3D03G0317800	0.81565	1.03949	No	No
16724	TraesCS3D03G0317900	1.3953	0.39302	Up	Down
16725	TraesCS3D03G0318200	0.70457	1.23146	No	No
16726	TraesCS3D03G0318500	0.50025	0.5606	Down	Down
16727	TraesCS3D03G0319100	1.0856	1.05348	UP	UP
16728	TraesCS3D03G0319300	0.7716	1.20381	No	No
16729	TraesCS3D03G0319700	1.61609	1.39996	UP	UP
16730	TraesCS3D03G0321000	1.12777	1.9095	UP	UP
16732	TraesCS3D03G0322100	0.84633	0.78479	Down	Down
16733	TraesCS3D03G0322100	0.94165	0.82488	Down	Down
16737	TraesCS3D03G0324300	1.34654	0.32835	Up	Down
16738	TraesCS3D03G0324400	0.81098	1.57743	No	No
16739	TraesCS3D03G0326800	1.00105	1.23207	UP	UP
16740	TraesCS3D03G0327400	1.08248	1.74845	UP	UP
16741	TraesCS3D03G0327400	1.66281	2.10736	UP	UP
16745	TraesCS3D03G0329900	0.94634	0.60399	Down	Down
16747	TraesCS3D03G0330600	1.17215	0.49618	Up	Down
16748	TraesCS3D03G0330900	1.00957	0.40858	Up	Down
16749	TraesCS3D03G0332500	1.20701	0.09882	Up	Down
16750	TraesCS3D03G0334300	0.94886	1.09118	No	No
16751	TraesCS3D03G0334400	1.65342	0.75952	No	No
16752	TraesCS3D03G0334800	0.73576	0.91199	Down	Down
16753	TraesCS3D03G0336200	1.51294	1.02189	UP	UP
16754	TraesCS3D03G0336900	0.90873	1.4378	No	No
16755	TraesCS3D03G0337100	1.21403	0.86294	No	No
16756	TraesCS3D03G0337100	1.15505	2.33515	Up	Up
16757	TraesCS3D03G0337200	0.97081	0.59078	Down	Down
16758	TraesCS3D03G0337400	0.91436	0.36918	Down	Down
16759	TraesCS3D03G0338600	0.82433	2.9549	Down	Up
16760	TraesCS3D03G0339300	0.96967	0.9706	Down	Down
16761	TraesCS3D03G0340400	0.74368	1.22574	No	No
16762	TraesCS3D03G0340800	1.27525	1.75514	UP	UP
16763	TraesCS3D03G0341000	0.67446	1.66386	No	No
16764	TraesCS3D03G0342600	1.2176	0.88869	No	No
16765	TraesCS3D03G0342700	0.59299	0.46929	Down	Down
16766	TraesCS3D03G0342800	0.91099	0.98551	Down	Down
16767	TraesCS3D03G0342900	0.94427	1.06619	No	No
16768	TraesCS3D03G0343000	1.39881	0.19248	Up	Down
16769	TraesCS3D03G0343300	0.74045	0.64022	Down	Down
16771	TraesCS3D03G0343500	0.76653	1.13912	No	No
16772	TraesCS3D03G0343600	1.1902	0.34718	Up	Down
16773	TraesCS3D03G0343900	1.0015	0.45857	Up	Down
16774	TraesCS3D03G0344500	0.86643	1.80903	No	No
16775	TraesCS3D03G0345500	0.69141	0.95683	Down	Down
16776	TraesCS3D03G0345700	1.07396	1.04727	UP	UP
16777	TraesCS3D03G0347000	0.67416	3.44415	Down	Up
16778	TraesCS3D03G0347600	1.01383	1.07983	UP	UP
16779	TraesCS3D03G0349200	0.92418	0.67136	Down	Down
16780	TraesCS3D03G0349500	0.99296	1.05466	No	No
16781	TraesCS3D03G0349900	1.15583	0.82837	No	No

16782	TraesCS3D03G0352000	0.97654	0.99831	Down	Down
16783	TraesCS3D03G0352100	0.81987	1.31892	No	No
16784	TraesCS3D03G0352400	0.8513	0.96407	Down	Down
16785	TraesCS3D03G0352700	0.86584	1.73053	No	No
16786	TraesCS3D03G0352900	1.23939	0.68004	No	No
16787	TraesCS3D03G0353600	1.19589	1.88019	UP	UP
16788	TraesCS3D03G0353700	0.28098	0.86375	Down	Down
16789	TraesCS3D03G0354700	2.97738	1.58895	Up	Up
16790	TraesCS3D03G0354800	0.72258	1.59059	No	No
16791	TraesCS3D03G0355300	0.98404	1.00163	No	No
16792	TraesCS3D03G0355900	1.12953	0.18423	Up	Down
16793	TraesCS3D03G0356000	0.79941	1.34942	No	No
16794	TraesCS3D03G0356100	0.97066	1.41625	No	No
16795	TraesCS3D03G0356600	0.82621	1.0054	No	No
16796	TraesCS3D03G0356700	0.80289	0.97676	Down	Down
16797	TraesCS3D03G0357100	1.24774	0.23527	Up	Down
16800	TraesCS3D03G0357700	0.89634	0.77687	Down	Down
16801	TraesCS3D03G0358100	1.0753	1.46738	UP	UP
16802	TraesCS3D03G0358500	1.04061	0.83287	No	No
16803	TraesCS3D03G0359700	1.05329	1.51991	UP	UP
16805	TraesCS3D03G0361600	0.8546	1.39675	No	No
16806	TraesCS3D03G0362100	0.6896	0.68122	Down	Down
16807	TraesCS3D03G0362300	1.18715	0.70267	No	No
16808	TraesCS3D03G0362500	0.87642	1.38395	No	No
16809	TraesCS3D03G0362600	1.1133	0.51685	No	No
16810	TraesCS3D03G0362600	1.11362	0.65367	No	No
16811	TraesCS3D03G0363400	0.95443	0.62812	Down	Down
16812	TraesCS3D03G0363500	1.24116	0.53217	No	No
16817	TraesCS3D03G0365700	1.22582	1.90805	UP	UP
16819	TraesCS3D03G0366400	0.94158	0.7938	Down	Down
16822	TraesCS3D03G0368900	1.22046	2.53556	Up	Up
16823	TraesCS3D03G0369700	0.76535	0.92312	Down	Down
16824	TraesCS3D03G0370000	1.04611	0.92925	No	No
16825	TraesCS3D03G0370100	1.46069	0.6888	No	No
16827	TraesCS3D03G0371700	1.42639	1.68672	UP	UP
16828	TraesCS3D03G0371900	1.53977	1.4427	UP	UP
16829	TraesCS3D03G0372000	1.12407	0.96934	No	No
16832	TraesCS3D03G0373900	1.39997	0.89554	No	No
16833	TraesCS3D03G0374500	0.78303	1.80454	No	No
16834	TraesCS3D03G0374900	0.8641	1.42628	No	No
16835	TraesCS3D03G0375400	0.84888	1.37806	No	No
16836	TraesCS3D03G0375500	0.65139	2.04354	Down	Up
16838	TraesCS3D03G0376300	0.70883	2.08229	Down	Up
16840	TraesCS3D03G0377100	1.0881	9.70026	Up	Up
16841	TraesCS3D03G0377200	1.08097	3.97582	Up	Up
16842	TraesCS3D03G0377500	1.15866	2.13368	Up	Up
16843	TraesCS3D03G0379400	1.26125	3.94315	Up	Up
16844	TraesCS3D03G0379700	1.1141	1.67644	UP	UP
16845	TraesCS3D03G0380900	1.11727	1.16413	UP	UP
16846	TraesCS3D03G0382700	0.54902	1.72867	No	No
16847	TraesCS3D03G0383300	0.58811	2.12234	Down	Up
16848	TraesCS3D03G0384400	1.10034	0.5378	No	No

16849	TraesCS3D03G0384500	0.87619	0.9504	Down	Down
16850	TraesCS3D03G0385000	0.79553	1.26142	No	No
16851	TraesCS3D03G0385100	0.97247	1.0198	No	No
16852	TraesCS3D03G0386700	1.04017	2.59595	Up	Up
16853	TraesCS3D03G0386800	0.80963	1.89516	No	No
16854	TraesCS3D03G0387200	0.71399	0.52039	Down	Down
16855	TraesCS3D03G0387300	1.00359	0.72388	No	No
16856	TraesCS3D03G0387700	1.16326	1.4161	UP	UP
16857	TraesCS3D03G0387900	1.12259	1.09178	UP	UP
16858	TraesCS3D03G0388200	0.94519	0.89997	Down	Down
16860	TraesCS3D03G0389000	1.23739	1.02322	UP	UP
16861	TraesCS3D03G0389100	1.23285	1.46898	UP	UP
16862	TraesCS3D03G0389700	1.26879	0.975	No	No
16863	TraesCS3D03G0389800	1.51297	1.53783	UP	UP
16864	TraesCS3D03G0390200	1.37972	3.19701	Up	Up
16865	TraesCS3D03G0391000	0.89137	1.0876	No	No
16867	TraesCS3D03G0391700	0.87323	0.35519	Down	Down
16868	TraesCS3D03G0391800	1.29926	0.87178	No	No
16869	TraesCS3D03G0392300	0.65449	2.9652	Down	Up
16870	TraesCS3D03G0392400	0.36933	1.44977	Down	Up
16871	TraesCS3D03G0392500	0.83266	0.97186	Down	Down
16872	TraesCS3D03G0392600	0.72074	0.9493	Down	Down
16874	TraesCS3D03G0393800	1.40232	0.46521	Up	Down
16876	TraesCS3D03G0394200	0.90606	0.98769	Down	Down
16877	TraesCS3D03G0394700	0.8122	1.19477	No	No
16878	TraesCS3D03G0395200	1.35836	0.69582	No	No
16879	TraesCS3D03G0395200	0.96547	1.57983	No	No
16881	TraesCS3D03G0395900	1.17794	3.27835	Up	Up
16882	TraesCS3D03G0396300	0.99112	1.26088	No	No
16883	TraesCS3D03G0397900	0.98047	1.1756	No	No
16884	TraesCS3D03G0398500	1.06726	1.27681	UP	UP
16886	TraesCS3D03G0399600	0.73738	1.22101	No	No
16887	TraesCS3D03G0399800	1.23852	1.07118	UP	UP
16888	TraesCS3D03G0400200	0.81648	2.59475	Down	Up
16889	TraesCS3D03G0400500	1.39104	1.16525	UP	UP
16890	TraesCS3D03G0400800	1.17952	1.4301	UP	UP
16891	TraesCS3D03G0400900	1.36692	1.48629	UP	UP
16892	TraesCS3D03G0401300	0.71064	0.23608	Down	Down
16893	TraesCS3D03G0401500	1.2519	1.10375	UP	UP
16894	TraesCS3D03G0401700	0.97105	0.71767	Down	Down
16895	TraesCS3D03G0401800	1.5637	0.4531	Up	Down
16896	TraesCS3D03G0403100	0.9233	1.1089	No	No
16897	TraesCS3D03G0403900	0.71534	0.95739	Down	Down
16898	TraesCS3D03G0404100	0.94408	2.00073	Down	Up
16899	TraesCS3D03G0404200	0.99082	1.25123	No	No
16900	TraesCS3D03G0404500	0.48169	1.4438	Down	Up
16901	TraesCS3D03G0404600	0.96873	1.25685	No	No
16902	TraesCS3D03G0404700	0.77474	0.96163	Down	Down
16903	TraesCS3D03G0405100	1.0889	1.04602	UP	UP
16904	TraesCS3D03G0406500	0.69867	0.86053	Down	Down
16905	TraesCS3D03G0406800	0.89359	0.1733	Down	Down
16906	TraesCS3D03G0407300	1.23042	1.10086	UP	UP

16907	TraesCS3D03G0407700	0.94701	1.38458	No	No
16908	TraesCS3D03G0408000	1.15817	0.77526	No	No
16909	TraesCS3D03G0408300	1.24587	0.26186	Up	Down
16910	TraesCS3D03G0408500	0.80073	1.03663	No	No
16911	TraesCS3D03G0409700	1.17939	0.80845	No	No
16912	TraesCS3D03G0409800	1.25904	1.10024	UP	UP
16913	TraesCS3D03G0409900	0.55514	1.50741	No	No
16914	TraesCS3D03G0410400	0.89792	1.27852	No	No
16915	TraesCS3D03G0411500	0.77384	0.68555	Down	Down
16916	TraesCS3D03G0411600	1.19566	1.92737	UP	UP
16917	TraesCS3D03G0412000	0.92781	2.24473	Down	Up
16918	TraesCS3D03G0412300	1.37893	2.84899	Up	Up
16919	TraesCS3D03G0412900	0.877	1.21359	No	No
16920	TraesCS3D03G0413100	0.91294	0.62971	Down	Down
16921	TraesCS3D03G0413800	0.73894	1.43884	No	No
16922	TraesCS3D03G0413900	0.86976	1.22798	No	No
16923	TraesCS3D03G0414200	1.19178	1.20606	UP	UP
16924	TraesCS3D03G0414400	0.91899	1.07834	No	No
16927	TraesCS3D03G0414900	1.10835	0.96817	No	No
16928	TraesCS3D03G0415100	0.6705	2.50523	Down	Up
16929	TraesCS3D03G0415200	0.54691	0.83602	Down	Down
16930	TraesCS3D03G0415800	0.86706	1.59454	No	No
16931	TraesCS3D03G0415900	1.0648	0.881	No	No
16932	TraesCS3D03G0416200	1.12997	0.43484	Up	Down
16933	TraesCS3D03G0416800	0.40074	3.49942	Down	Up
16934	TraesCS3D03G0417100	1.67597	0.88016	No	No
16935	TraesCS3D03G0417300	0.7103	2.19215	Down	Up
16937	TraesCS3D03G0418700	0.47732	1.89087	Down	Up
16938	TraesCS3D03G0419100	0.75836	1.3492	No	No
16939	TraesCS3D03G0419600	0.80607	0.97292	Down	Down
16940	TraesCS3D03G0419800	1.00406	1.27842	UP	UP
16941	TraesCS3D03G0419900	0.61186	0.73814	Down	Down
16942	TraesCS3D03G0420600	1.02082	1.70411	UP	UP
16943	TraesCS3D03G0420800	0.99546	1.55475	No	No
16944	TraesCS3D03G0421400	1.25305	0.6627	No	No
16945	TraesCS3D03G0421600	0.66863	0.77882	Down	Down
16946	TraesCS3D03G0422400	0.72857	1.43616	No	No
16947	TraesCS3D03G0422600	1.1072	2.29015	Up	Up
16948	TraesCS3D03G0422700	0.71588	0.42212	Down	Down
16949	TraesCS3D03G0423000	0.62719	0.21054	Down	Down
16950	TraesCS3D03G0423100	0.88342	1.213	No	No
16951	TraesCS3D03G0423200	0.6555	2.05818	Down	Up
16954	TraesCS3D03G0424100	1.34306	0.27317	Up	Down
16955	TraesCS3D03G0424200	1.19305	1.33995	UP	UP
16956	TraesCS3D03G0424200	0.80644	0.70395	Down	Down
16958	TraesCS3D03G0424700	0.76148	0.61385	Down	Down
16959	TraesCS3D03G0425200	1.26184	0.4901	Up	Down
16960	TraesCS3D03G0425700	0.66353	2.51377	Down	Up
16961	TraesCS3D03G0426700	0.67767	2.33003	Down	Up
16962	TraesCS3D03G0427200	0.99274	2.8804	Down	Up
16963	TraesCS3D03G0427600	1.22161	0.70534	No	No
16964	TraesCS3D03G0430200	0.77665	1.90301	No	No

16965	TraesCS3D03G0430600	1.3582	0.64753	No	No
16966	TraesCS3D03G0432300	1.22172	1.09567	UP	UP
16968	TraesCS3D03G0433000	0.85236	0.33678	Down	Down
16969	TraesCS3D03G0433200	0.65989	0.33591	Down	Down
16970	TraesCS3D03G0433200	0.5808	0.84064	Down	Down
16973	TraesCS3D03G0434800	1.26538	0.81297	No	No
16974	TraesCS3D03G0437100	1.37466	1.29813	UP	UP
16975	TraesCS3D03G0437100	0.72402	0.40352	Down	Down
16978	TraesCS3D03G0437600	1.27323	0.79446	No	No
16983	TraesCS3D03G0439400	1.31862	1.11852	UP	UP
16987	TraesCS3D03G0439900	1.21931	1.51329	UP	UP
16990	TraesCS3D03G0441100	0.86936	0.9069	Down	Down
16991	TraesCS3D03G0444500	0.95634	3.44073	Down	Up
16993	TraesCS3D03G0444800	0.85411	2.15556	Down	Up
16996	TraesCS3D03G0445600	1.01283	0.93729	No	No
16997	TraesCS3D03G0446000	0.90259	1.08377	No	No
16998	TraesCS3D03G0447000	1.02026	1.38695	UP	UP
16999	TraesCS3D03G0447000	0.73869	1.90933	No	No
17001	TraesCS3D03G0449100	1.18672	0.88454	No	No
17005	TraesCS3D03G0449900	0.89549	3.01267	Down	Up
17006	TraesCS3D03G0450100	0.8964	1.18417	No	No
17007	TraesCS3D03G0450400	1.2693	1.41086	UP	UP
17010	TraesCS3D03G0451500	1.05214	1.46617	UP	UP
17012	TraesCS3D03G0452900	0.73743	1.96261	No	No
17014	TraesCS3D03G0455100	0.99546	0.79399	Down	Down
17015	TraesCS3D03G0455200	1.05585	0.45903	Up	Down
17016	TraesCS3D03G0456400	1.33036	0.46545	Up	Down
17017	TraesCS3D03G0458400	1.06876	1.34779	UP	UP
17019	TraesCS3D03G0460600	1.37489	1.2458	UP	UP
17020	TraesCS3D03G0461000	1.23489	0.64498	No	No
17021	TraesCS3D03G0462300	1.05129	0.93672	No	No
17022	TraesCS3D03G0463100	1.55943	1.24043	UP	UP
17023	TraesCS3D03G0463100	1.16686	1.35404	UP	UP
17024	TraesCS3D03G0466100	0.81732	1.47052	No	No
17025	TraesCS3D03G0466300	0.95744	1.20863	No	No
17026	TraesCS3D03G0467700	1.23444	0.99564	No	No
17028	TraesCS3D03G0468400	1.67374	0.59812	No	No
17029	TraesCS3D03G0469100	1.03354	1.10818	UP	UP
17030	TraesCS3D03G0469300	0.89864	1.00727	No	No
17031	TraesCS3D03G0469300	1.15773	1.0305	UP	UP
17032	TraesCS3D03G0469400	1.22523	1.45787	UP	UP
17033	TraesCS3D03G0469900	0.81404	1.23477	No	No
17035	TraesCS3D03G0470300	1.02216	1.45349	UP	UP
17037	TraesCS3D03G0471400	0.99331	0.89585	Down	Down
17038	TraesCS3D03G0472400	1.02936	0.28381	Up	Down
17039	TraesCS3D03G0473500	0.8845	0.55052	Down	Down
17040	TraesCS3D03G0474000	0.87828	0.84986	Down	Down
17042	TraesCS3D03G0474700	0.81959	0.73258	Down	Down
17044	TraesCS3D03G0475300	0.99846	1.63919	No	No
17045	TraesCS3D03G0475600	1.35476	0.75282	No	No
17046	TraesCS3D03G0475800	1.16752	1.45975	UP	UP
17047	TraesCS3D03G0476000	1.43812	0.96967	No	No

17048	TraesCS3D03G0476800	0.76965	1.23578	No	No
17049	TraesCS3D03G0478000	0.9839	1.09292	No	No
17051	TraesCS3D03G0478200	1.28682	1.79962	UP	UP
17053	TraesCS3D03G0479000	1.31887	0.55485	No	No
17054	TraesCS3D03G0479200	0.94603	2.05345	Down	Up
17056	TraesCS3D03G0479700	0.97531	3.3677	Down	Up
17057	TraesCS3D03G0480700	1.43109	1.06224	UP	UP
17059	TraesCS3D03G0481200	1.00716	1.1799	UP	UP
17060	TraesCS3D03G0482300	0.83088	1.3451	No	No
17061	TraesCS3D03G0482300	1.1033	1.76254	UP	UP
17062	TraesCS3D03G0482600	0.87866	1.73293	No	No
17063	TraesCS3D03G0483100	1.17226	1.02839	UP	UP
17064	TraesCS3D03G0484000	0.8566	0.89986	Down	Down
17065	TraesCS3D03G0484300	1.36696	1.08496	UP	UP
17066	TraesCS3D03G0486200	1.47419	0.98158	No	No
17067	TraesCS3D03G0486500	0.62611	0.87408	Down	Down
17068	TraesCS3D03G0486900	0.91256	0.48684	Down	Down
17069	TraesCS3D03G0486900	0.97116	0.5514	Down	Down
17070	TraesCS3D03G0487500	1.32413	0.46117	Up	Down
17071	TraesCS3D03G0487700	1.14501	1.51206	UP	UP
17072	TraesCS3D03G0487900	1.13782	1.15199	UP	UP
17073	TraesCS3D03G0488800	1.21063	0.67676	No	No
17074	TraesCS3D03G0488900	1.08742	0.58209	No	No
17075	TraesCS3D03G0489500	0.74767	1.52551	No	No
17076	TraesCS3D03G0489600	1.14001	0.67144	No	No
17077	TraesCS3D03G0490200	1.34198	0.56459	No	No
17078	TraesCS3D03G0490500	1.64858	0.16746	Up	Down
17079	TraesCS3D03G0491300	1.73247	0.61059	No	No
17080	TraesCS3D03G0491700	2.28595	5.71998	Up	Up
17081	TraesCS3D03G0492200	0.68763	0.60952	Down	Down
17082	TraesCS3D03G0492500	0.99137	7.41165	Down	Up
17083	TraesCS3D03G0493000	1.25854	0.77855	No	No
17085	TraesCS3D03G0493300	1.30929	1.18383	UP	UP
17087	TraesCS3D03G0494400	1.03514	1.54221	UP	UP
17088	TraesCS3D03G0494500	1.27118	3.19451	Up	Up
17089	TraesCS3D03G0494600	1.04356	0.36548	Up	Down
17090	TraesCS3D03G0495500	0.83605	1.9677	No	No
17091	TraesCS3D03G0495600	1.16047	5.49189	Up	Up
17092	TraesCS3D03G0495900	1.06604	3.03399	Up	Up
17093	TraesCS3D03G0496000	0.58402	2.25868	Down	Up
17094	TraesCS3D03G0496200	1.32764	0.62302	No	No
17095	TraesCS3D03G0496300	0.8667	1.40938	No	No
17096	TraesCS3D03G0496500	1.72997	0.57389	No	No
17098	TraesCS3D03G0496700	1.1748	1.17033	UP	UP
17099	TraesCS3D03G0496800	0.85499	0.95729	Down	Down
17100	TraesCS3D03G0497300	0.66247	1.19457	No	No
17101	TraesCS3D03G0497500	1.23022	0.52071	No	No
17102	TraesCS3D03G0497800	1.03637	1.27904	UP	UP
17103	TraesCS3D03G0498500	0.90265	1.22694	No	No
17104	TraesCS3D03G0498800	1.00317	2.48113	Up	Up
17105	TraesCS3D03G0500300	1.29458	0.24438	Up	Down
17106	TraesCS3D03G0500800	1.21435	1.3624	UP	UP

17108	TraesCS3D03G0501500	0.73119	0.64151	Down	Down
17109	TraesCS3D03G0501800	0.61216	2.05465	Down	Up
17110	TraesCS3D03G0501800	0.9857	1.70562	No	No
17111	TraesCS3D03G0502300	1.05252	0.92215	No	No
17112	TraesCS3D03G0502500	0.60978	0.40455	Down	Down
17113	TraesCS3D03G0502700	0.96165	1.65361	No	No
17114	TraesCS3D03G0503000	0.71206	15.6409	Down	Up
17115	TraesCS3D03G0504100	0.61892	0.65007	Down	Down
17117	TraesCS3D03G0505600	1.11491	0.90016	No	No
17118	TraesCS3D03G0506300	1.13751	0.76105	No	No
17119	TraesCS3D03G0506400	1.72186	9.97858	Up	Up
17121	TraesCS3D03G0506600	1.13017	1.66681	UP	UP
17122	TraesCS3D03G0506700	1.20905	0.44964	Up	Down
17123	TraesCS3D03G0507600	0.84834	0.74295	Down	Down
17124	TraesCS3D03G0508000	0.89762	1.35914	No	No
17125	TraesCS3D03G0508000	1.50535	0.95473	No	No
17126	TraesCS3D03G0508100	0.86329	1.13248	No	No
17127	TraesCS3D03G0508600	0.88845	1.67564	No	No
17130	TraesCS3D03G0509800	0.98457	0.86373	Down	Down
17131	TraesCS3D03G0510100	1.09972	1.94502	UP	UP
17132	TraesCS3D03G0510400	0.88769	1.15993	No	No
17133	TraesCS3D03G0510900	0.9594	0.86057	Down	Down
17135	TraesCS3D03G0511400	1.07377	1.77828	UP	UP
17136	TraesCS3D03G0511700	0.80562	0.34432	Down	Down
17137	TraesCS3D03G0512000	0.8308	1.20048	No	No
17139	TraesCS3D03G0512600	1.46048	0.81454	No	No
17140	TraesCS3D03G0513200	1.04933	0.79598	No	No
17141	TraesCS3D03G0513400	0.68617	0.63008	Down	Down
17142	TraesCS3D03G0513600	0.84925	1.09622	No	No
17143	TraesCS3D03G0513900	0.80166	0.99362	Down	Down
17144	TraesCS3D03G0515500	1.03498	1.30523	UP	UP
17145	TraesCS3D03G0515700	0.66459	1.19483	No	No
17146	TraesCS3D03G0516500	0.96283	0.55539	Down	Down
17147	TraesCS3D03G0517700	0.87566	1.76512	No	No
17148	TraesCS3D03G0518200	0.9092	1.43363	No	No
17149	TraesCS3D03G0518800	0.95488	0.78064	Down	Down
17151	TraesCS3D03G0520200	1.24054	0.96199	No	No
17152	TraesCS3D03G0520700	1.13371	0.87952	No	No
17153	TraesCS3D03G0520800	0.78716	1.24565	No	No
17154	TraesCS3D03G0522800	1.11585	0.989	No	No
17155	TraesCS3D03G0523000	0.71819	1.19678	No	No
17156	TraesCS3D03G0523100	1.01189	0.65077	No	No
17157	TraesCS3D03G0524400	1.44744	0.75421	No	No
17158	TraesCS3D03G0524600	0.77802	2.78758	Down	Up
17159	TraesCS3D03G0525000	0.75237	1.11176	No	No
17161	TraesCS3D03G0525600	0.82125	1.07278	No	No
17162	TraesCS3D03G0525800	0.82562	1.96633	No	No
17163	TraesCS3D03G0526100	1.0684	0.85597	No	No
17164	TraesCS3D03G0527600	0.8225	1.41228	No	No
17165	TraesCS3D03G0528100	1.19352	1.10301	UP	UP
17166	TraesCS3D03G0528700	0.79602	1.03318	No	No
17167	TraesCS3D03G0528900	0.78138	1.11076	No	No

17168	TraesCS3D03G0529100	0.91976	0.88047	Down	Down
17169	TraesCS3D03G0529800	1.06139	0.72746	No	No
17170	TraesCS3D03G0530200	0.76983	1.15644	No	No
17171	TraesCS3D03G0531500	0.89605	2.12425	Down	Up
17172	TraesCS3D03G0531700	1.06629	1.34082	UP	UP
17173	TraesCS3D03G0532200	0.61087	1.31374	No	No
17174	TraesCS3D03G0532500	0.88259	1.90443	No	No
17175	TraesCS3D03G0532500	0.82967	1.306	No	No
17176	TraesCS3D03G0533000	0.9552	1.18962	No	No
17177	TraesCS3D03G0533200	0.78614	0.57781	Down	Down
17178	TraesCS3D03G0533500	0.91266	1.23726	No	No
17179	TraesCS3D03G0533700	1.0932	0.94396	No	No
17180	TraesCS3D03G0533700	1.24674	1.29872	UP	UP
17182	TraesCS3D03G0533900	1.50863	1.27337	UP	UP
17183	TraesCS3D03G0534100	1.18369	0.65586	No	No
17184	TraesCS3D03G0534200	0.92825	0.66819	Down	Down
17185	TraesCS3D03G0534400	1.07804	1.04716	UP	UP
17186	TraesCS3D03G0534700	0.83117	1.06737	No	No
17188	TraesCS3D03G0535300	1.18231	0.91406	No	No
17189	TraesCS3D03G0535800	1.83152	1.28047	UP	UP
17191	TraesCS3D03G0536400	0.9714	1.43346	No	No
17192	TraesCS3D03G0536600	0.99991	0.61527	Down	Down
17193	TraesCS3D03G0536800	0.84789	0.64231	Down	Down
17194	TraesCS3D03G0537000	0.93533	0.99477	Down	Down
17195	TraesCS3D03G0537300	0.84209	0.43507	Down	Down
17196	TraesCS3D03G0538600	0.74369	0.23085	Down	Down
17197	TraesCS3D03G0538800	1.42142	1.34524	UP	UP
17198	TraesCS3D03G0539200	0.6549	1.68965	No	No
17199	TraesCS3D03G0539200	0.61081	1.51058	No	No
17200	TraesCS3D03G0539200	0.46827	2.9386	Down	Up
17201	TraesCS3D03G0542200	0.68722	0.95697	Down	Down
17202	TraesCS3D03G0543000	1.79702	0.12945	Up	Down
17203	TraesCS3D03G0543600	1.09743	0.74328	No	No
17204	TraesCS3D03G0543600	1.08716	0.44013	Up	Down
17205	TraesCS3D03G0543700	1.12701	0.92597	No	No
17206	TraesCS3D03G0544700	0.83018	0.64428	Down	Down
17207	TraesCS3D03G0545500	1.41448	2.06757	Up	Up
17208	TraesCS3D03G0546700	0.82449	0.95805	Down	Down
17209	TraesCS3D03G0547100	1.02819	0.73128	No	No
17212	TraesCS3D03G0548000	1.10873	0.14191	Up	Down
17213	TraesCS3D03G0548000	1.05156	0.112	Up	Down
17214	TraesCS3D03G0548400	0.92315	0.43425	Down	Down
17217	TraesCS3D03G0548700	1.40978	0.64101	No	No
17218	TraesCS3D03G0549400	0.73778	1.23129	No	No
17219	TraesCS3D03G0549500	0.70769	1.21347	No	No
17220	TraesCS3D03G0550100	0.94006	0.95461	Down	Down
17221	TraesCS3D03G0550200	0.40294	1.09834	Down	Up
17222	TraesCS3D03G0550800	0.48331	1.08369	Down	Up
17223	TraesCS3D03G0551400	1.2454	1.5193	UP	UP
17224	TraesCS3D03G0551700	3.79376	1.79998	Up	Up
17225	TraesCS3D03G0552100	1.40158	3.07811	Up	Up
17226	TraesCS3D03G0553500	1.48105	0.52985	No	No

17227	TraesCS3D03G0554300	0.83739	1.09643	No	No
17228	TraesCS3D03G0555300	1.01717	1.08198	UP	UP
17229	TraesCS3D03G0555500	1.89351	0.33559	Up	Down
17230	TraesCS3D03G0555800	0.82399	1.12857	No	No
17231	TraesCS3D03G0557400	1.06026	1.5101	UP	UP
17232	TraesCS3D03G0557600	1.36877	0.61679	No	No
17233	TraesCS3D03G0557700	0.6766	2.36739	Down	Up
17234	TraesCS3D03G0558700	1.20753	1.60792	UP	UP
17235	TraesCS3D03G0559400	0.5953	0.30426	Down	Down
17236	TraesCS3D03G0559700	1.00303	1.95185	UP	UP
17237	TraesCS3D03G0560000	1.15499	1.03662	UP	UP
17238	TraesCS3D03G0560400	1.04069	1.22564	UP	UP
17239	TraesCS3D03G0560500	1.16434	0.89743	No	No
17240	TraesCS3D03G0560700	0.71941	0.99081	Down	Down
17241	TraesCS3D03G0560800	1.06779	0.86385	No	No
17242	TraesCS3D03G0561400	1.92659	4.62302	Up	Up
17243	TraesCS3D03G0561800	0.96035	0.95615	Down	Down
17244	TraesCS3D03G0562100	1.14595	0.45077	Up	Down
17245	TraesCS3D03G0562300	1.05354	1.36868	UP	UP
17246	TraesCS3D03G0563400	0.77777	1.50364	No	No
17247	TraesCS3D03G0564500	1.02358	1.78712	UP	UP
17248	TraesCS3D03G0565100	1.02128	1.26351	UP	UP
17249	TraesCS3D03G0565800	1.09386	0.57262	No	No
17250	TraesCS3D03G0566000	1.20873	0.71823	No	No
17251	TraesCS3D03G0566300	0.88111	1.3375	No	No
17252	TraesCS3D03G0566400	1.62707	0.89961	No	No
17253	TraesCS3D03G0566500	0.8039	0.36807	Down	Down
17254	TraesCS3D03G0566600	1.32889	1.13437	UP	UP
17255	TraesCS3D03G0567000	0.90661	0.42095	Down	Down
17256	TraesCS3D03G0567200	1.06186	0.78225	No	No
17257	TraesCS3D03G0567300	0.96262	0.66927	Down	Down
17258	TraesCS3D03G0568000	1.0791	0.91082	No	No
17260	TraesCS3D03G0568800	0.81752	0.24125	Down	Down
17261	TraesCS3D03G0568900	1.25379	0.98011	No	No
17264	TraesCS3D03G0570300	1.28287	0.89238	No	No
17265	TraesCS3D03G0570300	0.76223	2.93746	Down	Up
17266	TraesCS3D03G0570600	0.90012	1.03983	No	No
17267	TraesCS3D03G0570700	2.07569	1.21228	Up	Up
17268	TraesCS3D03G0570900	1.4094	2.40967	Up	Up
17269	TraesCS3D03G0571400	0.80612	1.60985	No	No
17270	TraesCS3D03G0572100	1.40217	0.29005	Up	Down
17271	TraesCS3D03G0573100	1.28136	1.49143	UP	UP
17272	TraesCS3D03G0573200	1.10674	1.24178	UP	UP
17273	TraesCS3D03G0573800	0.70305	0.88831	Down	Down
17274	TraesCS3D03G0574000	0.86561	0.84497	Down	Down
17275	TraesCS3D03G0575600	0.64439	2.40875	Down	Up
17276	TraesCS3D03G0575800	0.89536	1.18088	No	No
17277	TraesCS3D03G0575900	0.95131	1.59161	No	No
17279	TraesCS3D03G0578400	0.91936	3.10909	Down	Up
17280	TraesCS3D03G0578400	0.79783	3.55615	Down	Up
17281	TraesCS3D03G0578500	0.82535	3.07455	Down	Up
17282	TraesCS3D03G0578900	0.89507	0.74807	Down	Down

17283	TraesCS3D03G0579600	0.97857	1.08825	No	No
17284	TraesCS3D03G0580800	1.31996	0.75375	No	No
17285	TraesCS3D03G0581200	1.27344	1.58799	UP	UP
17286	TraesCS3D03G0581400	1.27723	1.17441	UP	UP
17287	TraesCS3D03G0581500	0.99013	5.13228	Down	Up
17288	TraesCS3D03G0582200	1.06846	1.39255	UP	UP
17289	TraesCS3D03G0583200	1.03076	1.20717	UP	UP
17290	TraesCS3D03G0583500	1.45231	0.92764	No	No
17291	TraesCS3D03G0583700	1.14965	1.51378	UP	UP
17292	TraesCS3D03G0584500	0.64945	1.25715	No	No
17293	TraesCS3D03G0584600	0.85251	0.5052	Down	Down
17294	TraesCS3D03G0584900	1.24704	2.12925	Up	Up
17296	TraesCS3D03G0585300	0.90281	0.29925	Down	Down
17297	TraesCS3D03G0588000	1.14856	0.91971	No	No
17298	TraesCS3D03G0588200	1.16976	0.13279	Up	Down
17299	TraesCS3D03G0588600	0.91292	0.61253	Down	Down
17300	TraesCS3D03G0588900	1.53355	1.32627	UP	UP
17301	TraesCS3D03G0589100	1.30545	0.11583	Up	Down
17303	TraesCS3D03G0590100	0.61441	1.77515	No	No
17304	TraesCS3D03G0590400	0.8765	1.94827	No	No
17305	TraesCS3D03G0590600	0.58267	0.82408	Down	Down
17306	TraesCS3D03G0590700	0.68709	1.26095	No	No
17307	TraesCS3D03G0590700	1.12331	1.55075	UP	UP
17308	TraesCS3D03G0590800	0.94477	0.603	Down	Down
17309	TraesCS3D03G0591100	0.56345	0.86594	Down	Down
17310	TraesCS3D03G0591200	0.80759	0.5714	Down	Down
17311	TraesCS3D03G0591200	0.82441	1.61594	No	No
17312	TraesCS3D03G0593100	0.70707	2.1512	Down	Up
17313	TraesCS3D03G0593700	0.474	1.31842	Down	Up
17315	TraesCS3D03G0594300	0.55461	2.04406	Down	Up
17316	TraesCS3D03G0595600	0.72425	0.28038	Down	Down
17317	TraesCS3D03G0596400	1.81926	1.91792	UP	UP
17318	TraesCS3D03G0596400	1.04164	0.34096	Up	Down
17319	TraesCS3D03G0596700	1.5106	0.48894	Up	Down
17320	TraesCS3D03G0596900	1.12594	0.72201	No	No
17322	TraesCS3D03G0597500	1.11339	1.56464	UP	UP
17323	TraesCS3D03G0597600	0.95605	0.5079	Down	Down
17324	TraesCS3D03G0598800	1.2166	0.42236	Up	Down
17325	TraesCS3D03G0599100	1.27686	0.34034	Up	Down
17326	TraesCS3D03G0600000	0.94922	0.26293	Down	Down
17328	TraesCS3D03G0600500	0.88831	1.22162	No	No
17329	TraesCS3D03G0600600	0.96843	1.02965	No	No
17330	TraesCS3D03G0601800	1.21608	0.62983	No	No
17331	TraesCS3D03G0602400	1.0631	1.75711	UP	UP
17332	TraesCS3D03G0603100	1.47632	0.44265	Up	Down
17334	TraesCS3D03G0603500	1.37563	1.11185	UP	UP
17335	TraesCS3D03G0603700	1.86791	0.40765	Up	Down
17336	TraesCS3D03G0604500	0.97018	0.89991	Down	Down
17337	TraesCS3D03G0604800	1.04303	1.32918	UP	UP
17338	TraesCS3D03G0605100	1.27606	1.15074	UP	UP
17339	TraesCS3D03G0605300	0.99758	0.68852	Down	Down
17340	TraesCS3D03G0606400	0.96891	1.58399	No	No

17341	TraesCS3D03G0606600	0.98555	2.17877	Down	Up
17342	TraesCS3D03G0606700	0.30432	16.9489	Down	Up
17343	TraesCS3D03G0607200	0.80734	2.42909	Down	Up
17344	TraesCS3D03G0607900	1.08408	0.19654	Up	Down
17345	TraesCS3D03G0608100	1.48209	2.83777	Up	Up
17346	TraesCS3D03G0608400	0.68833	1.1083	No	No
17347	TraesCS3D03G0608500	0.88175	1.56335	No	No
17348	TraesCS3D03G0608900	0.87564	0.68781	Down	Down
17349	TraesCS3D03G0608900	0.83698	0.8563	Down	Down
17350	TraesCS3D03G0609300	0.70716	9.05454	Down	Up
17351	TraesCS3D03G0609500	0.84787	6.56801	Down	Up
17352	TraesCS3D03G0609600	1.10514	1.48786	UP	UP
17353	TraesCS3D03G0609800	0.88992	0.86882	Down	Down
17354	TraesCS3D03G0610100	0.8076	1.12549	No	No
17355	TraesCS3D03G0611300	0.8788	1.66729	No	No
17356	TraesCS3D03G0611500	0.93391	1.09311	No	No
17357	TraesCS3D03G0611700	0.99631	0.76756	Down	Down
17358	TraesCS3D03G0612000	0.66496	1.17985	No	No
17359	TraesCS3D03G0612400	1.01918	2.18612	Up	Up
17360	TraesCS3D03G0613300	1.00872	2.94072	Up	Up
17361	TraesCS3D03G0613600	0.84586	1.08741	No	No
17362	TraesCS3D03G0614300	0.97395	1.04622	No	No
17363	TraesCS3D03G0614700	1.6715	0.47481	Up	Down
17365	TraesCS3D03G0615700	1.55877	1.74593	UP	UP
17366	TraesCS3D03G0615900	0.91175	0.36361	Down	Down
17367	TraesCS3D03G0616100	0.88382	1.24128	No	No
17368	TraesCS3D03G0616200	1.03816	1.05649	UP	UP
17369	TraesCS3D03G0616600	0.94263	1.54308	No	No
17370	TraesCS3D03G0617000	0.19661	13.0584	Down	Up
17371	TraesCS3D03G0617100	0.98061	0.72227	Down	Down
17372	TraesCS3D03G0617200	0.93	1.17293	No	No
17373	TraesCS3D03G0617500	0.6962	1.89172	No	No
17374	TraesCS3D03G0618000	0.83813	1.64989	No	No
17375	TraesCS3D03G0618800	0.91912	1.27529	No	No
17376	TraesCS3D03G0618900	1.13527	0.88099	No	No
17378	TraesCS3D03G0619400	1.17161	0.72574	No	No
17379	TraesCS3D03G0619700	0.78374	1.25715	No	No
17380	TraesCS3D03G0619800	1.47172	1.38701	UP	UP
17381	TraesCS3D03G0620600	0.87465	1.66137	No	No
17382	TraesCS3D03G0620700	0.58656	1.09491	No	No
17383	TraesCS3D03G0621500	0.88734	0.41758	Down	Down
17384	TraesCS3D03G0621600	1.03249	1.63565	UP	UP
17385	TraesCS3D03G0622000	0.81698	5.55677	Down	Up
17386	TraesCS3D03G0623300	0.89289	0.31719	Down	Down
17387	TraesCS3D03G0623500	0.82284	1.21842	No	No
17388	TraesCS3D03G0623700	0.89088	2.09398	Down	Up
17389	TraesCS3D03G0624400	1.13885	1.00171	UP	UP
17390	TraesCS3D03G0624700	0.84833	1.06507	No	No
17391	TraesCS3D03G0624800	1.099	0.5336	No	No
17392	TraesCS3D03G0624900	0.957	1.51134	No	No
17393	TraesCS3D03G0625000	1.09756	4.04429	Up	Up
17394	TraesCS3D03G0625100	1.08972	0.67733	No	No

17395	TraesCS3D03G0625400	0.84127	1.21989	No	No
17397	TraesCS3D03G0625700	0.58182	0.87735	Down	Down
17398	TraesCS3D03G0626300	1.10508	0.59116	No	No
17399	TraesCS3D03G0626400	1.02647	0.44497	Up	Down
17400	TraesCS3D03G0626500	1.18877	3.42265	Up	Up
17401	TraesCS3D03G0626700	1.02078	1.43366	UP	UP
17402	TraesCS3D03G0626800	0.95251	1.54679	No	No
17403	TraesCS3D03G0627000	0.80266	1.50042	No	No
17404	TraesCS3D03G0627100	1.11281	1.41599	UP	UP
17405	TraesCS3D03G0627400	0.8681	0.47954	Down	Down
17406	TraesCS3D03G0628000	0.92647	4.08458	Down	Up
17407	TraesCS3D03G0628600	0.91367	0.74105	Down	Down
17409	TraesCS3D03G0629600	0.74755	0.74099	Down	Down
17410	TraesCS3D03G0629900	1.29837	0.50081	No	No
17412	TraesCS3D03G0632200	0.51213	1.22358	No	No
17418	TraesCS3D03G0636700	0.89292	1.36957	No	No
17419	TraesCS3D03G0636800	1.26396	1.29682	UP	UP
17420	TraesCS3D03G0637300	1.50895	0.76378	No	No
17422	TraesCS3D03G0637600	0.89308	0.71763	Down	Down
17423	TraesCS3D03G0638600	0.62475	0.67054	Down	Down
17424	TraesCS3D03G0639500	1.5033	2.65835	Up	Up
17425	TraesCS3D03G0640000	0.84811	0.68218	Down	Down
17426	TraesCS3D03G0640300	0.99491	0.67558	Down	Down
17427	TraesCS3D03G0640400	1.96695	2.98244	Up	Up
17429	TraesCS3D03G0641600	1.77573	1.67843	UP	UP
17430	TraesCS3D03G0641800	2.35774	1.84606	Up	Up
17431	TraesCS3D03G0642600	1.60608	1.199	UP	UP
17432	TraesCS3D03G0642800	1.64661	1.34421	UP	UP
17433	TraesCS3D03G0642900	0.83277	1.26395	No	No
17434	TraesCS3D03G0643200	0.84977	1.09657	No	No
17435	TraesCS3D03G0644400	1.31965	1.33574	UP	UP
17436	TraesCS3D03G0644600	0.94379	1.21566	No	No
17437	TraesCS3D03G0645300	0.88659	1.13759	No	No
17438	TraesCS3D03G0647700	1.08921	1.17715	UP	UP
17439	TraesCS3D03G0647800	0.19658	0.2214	Down	Down
17440	TraesCS3D03G0648100	1.16786	0.53433	No	No
17441	TraesCS3D03G0649200	1.17456	0.73083	No	No
17442	TraesCS3D03G0649400	3.64771	0.68932	Up	Down
17443	TraesCS3D03G0649900	1.20768	1.27519	UP	UP
17444	TraesCS3D03G0650000	0.91019	0.49018	Down	Down
17445	TraesCS3D03G0650200	1.16249	1.68614	UP	UP
17446	TraesCS3D03G0650400	0.9725	0.47261	Down	Down
17447	TraesCS3D03G0650700	1.05283	0.51597	No	No
17448	TraesCS3D03G0651700	1.12369	1.07556	UP	UP
17449	TraesCS3D03G0651900	1.08724	0.96554	No	No
17450	TraesCS3D03G0652000	0.90146	0.97918	Down	Down
17451	TraesCS3D03G0652000	1.34043	1.0067	UP	UP
17452	TraesCS3D03G0652200	1.2402	0.97047	No	No
17453	TraesCS3D03G0653500	1.05949	0.54685	No	No
17454	TraesCS3D03G0653600	1.73637	2.95172	Up	Up
17455	TraesCS3D03G0653800	0.82367	4.17669	Down	Up
17456	TraesCS3D03G0653900	0.88442	1.4412	No	No

17457	TraesCS3D03G0655300	1.28854	0.41811	Up	Down
17458	TraesCS3D03G0655300	1.47659	0.28935	Up	Down
17459	TraesCS3D03G0655600	1.55813	1.86546	UP	UP
17460	TraesCS3D03G0656400	0.64663	0.46314	Down	Down
17462	TraesCS3D03G0657000	0.97748	1.35693	No	No
17463	TraesCS3D03G0657200	0.75393	2.71295	Down	Up
17464	TraesCS3D03G0657400	1.58344	1.26424	UP	UP
17465	TraesCS3D03G0658800	0.92162	1.68846	No	No
17466	TraesCS3D03G0658900	0.84668	1.40302	No	No
17467	TraesCS3D03G0659400	1.17138	0.41934	Up	Down
17469	TraesCS3D03G0659600	0.71604	1.57413	No	No
17470	TraesCS3D03G0660100	1.42917	0.41377	Up	Down
17471	TraesCS3D03G0661400	1.08162	0.32636	Up	Down
17472	TraesCS3D03G0661600	0.7973	0.94811	Down	Down
17473	TraesCS3D03G0662100	0.99382	0.70741	Down	Down
17475	TraesCS3D03G0662700	0.776	0.38833	Down	Down
17476	TraesCS3D03G0662700	1.23125	0.37836	Up	Down
17477	TraesCS3D03G0663700	1.35581	0.9224	No	No
17478	TraesCS3D03G0663700	1.34727	1.56875	UP	UP
17479	TraesCS3D03G0664900	1.80903	0.7659	No	No
17480	TraesCS3D03G0665100	1.18598	0.60126	No	No
17481	TraesCS3D03G0665300	1.0148	2.28478	Up	Up
17482	TraesCS3D03G0665400	0.78057	1.65649	No	No
17483	TraesCS3D03G0665600	1.6522	1.58368	UP	UP
17486	TraesCS3D03G0667400	1.1223	1.99406	UP	UP
17487	TraesCS3D03G0667800	0.92225	1.55934	No	No
17488	TraesCS3D03G0667900	0.93199	1.18293	No	No
17489	TraesCS3D03G0668300	0.66718	1.71702	No	No
17490	TraesCS3D03G0668400	1.0354	0.70586	No	No
17491	TraesCS3D03G0668600	0.9243	1.09332	No	No
17492	TraesCS3D03G0668700	1.02385	1.38058	UP	UP
17494	TraesCS3D03G0669500	0.8052	1.0487	No	No
17495	TraesCS3D03G0669800	0.97684	1.51205	No	No
17496	TraesCS3D03G0669900	0.90817	0.93757	Down	Down
17497	TraesCS3D03G0670200	1.00215	1.39829	UP	UP
17498	TraesCS3D03G0670300	0.69378	2.99419	Down	Up
17499	TraesCS3D03G0670400	0.85868	0.92057	Down	Down
17500	TraesCS3D03G0670600	0.81952	0.51655	Down	Down
17501	TraesCS3D03G0670800	1.09064	1.16435	UP	UP
17502	TraesCS3D03G0671300	0.47704	1.58053	Down	Up
17503	TraesCS3D03G0671500	0.73752	0.97079	Down	Down
17504	TraesCS3D03G0672600	1.2792	0.70962	No	No
17505	TraesCS3D03G0672800	1.37825	0.50308	No	No
17506	TraesCS3D03G0672800	0.63846	1.85081	No	No
17507	TraesCS3D03G0673300	1.73987	1.17246	UP	UP
17508	TraesCS3D03G0674000	1.29507	2.55357	Up	Up
17509	TraesCS3D03G0675000	1.28886	1.12249	UP	UP
17510	TraesCS3D03G0676600	0.68446	1.85011	No	No
17511	TraesCS3D03G0676700	0.78183	1.3623	No	No
17512	TraesCS3D03G0676800	0.8245	1.20346	No	No
17513	TraesCS3D03G0678100	1.12181	1.51215	UP	UP
17514	TraesCS3D03G0678800	0.8129	0.49218	Down	Down

17515	TraesCS3D03G0679200	1.24458	1.37826	UP	UP
17516	TraesCS3D03G0679800	1.2747	0.43284	Up	Down
17517	TraesCS3D03G0680100	0.88381	0.79097	Down	Down
17522	TraesCS3D03G0681300	0.73457	0.95863	Down	Down
17523	TraesCS3D03G0681800	0.87954	0.35181	Down	Down
17524	TraesCS3D03G0681900	1.3441	1.96905	UP	UP
17525	TraesCS3D03G0682400	1.3114	1.05441	UP	UP
17526	TraesCS3D03G0682800	0.79881	1.34698	No	No
17527	TraesCS3D03G0682900	1.30765	0.48318	Up	Down
17528	TraesCS3D03G0683000	1.20058	0.37971	Up	Down
17529	TraesCS3D03G0683400	1.0393	1.54274	UP	UP
17530	TraesCS3D03G0683600	1.83369	0.64394	No	No
17531	TraesCS3D03G0683900	0.97957	0.3997	Down	Down
17532	TraesCS3D03G0684000	0.76522	1.80431	No	No
17533	TraesCS3D03G0684100	0.62757	1.53405	No	No
17534	TraesCS3D03G0684200	0.62703	6.54826	Down	Up
17535	TraesCS3D03G0684400	0.77919	0.78244	Down	Down
17536	TraesCS3D03G0684500	0.91036	2.16849	Down	Up
17538	TraesCS3D03G0684800	3.48866	0.47034	Up	Down
17539	TraesCS3D03G0685200	0.70914	1.21707	No	No
17540	TraesCS3D03G0685300	1.04102	1.5265	UP	UP
17542	TraesCS3D03G0685500	0.65249	2.34567	Down	Up
17543	TraesCS3D03G0686300	1.71517	1.29623	UP	UP
17544	TraesCS3D03G0686400	1.21812	2.7307	Up	Up
17545	TraesCS3D03G0686600	0.75722	2.53287	Down	Up
17546	TraesCS3D03G0686700	0.99822	1.19371	No	No
17547	TraesCS3D03G0686900	0.84165	1.74129	No	No
17548	TraesCS3D03G0687100	1.02416	0.48177	Up	Down
17550	TraesCS3D03G0687300	0.95551	1.22149	No	No
17551	TraesCS3D03G0687800	5.04721	0.54075	Up	Down
17552	TraesCS3D03G0688000	0.74826	3.76883	Down	Up
17553	TraesCS3D03G0688100	0.91375	1.34633	No	No
17554	TraesCS3D03G0688500	2.27309	0.69095	Up	Down
17555	TraesCS3D03G0689600	0.77414	1.86184	No	No
17556	TraesCS3D03G0690800	0.62416	3.56867	Down	Up
17557	TraesCS3D03G0690900	1.01668	1.0547	UP	UP
17558	TraesCS3D03G0691000	1.33779	0.87982	No	No
17559	TraesCS3D03G0691100	0.93146	3.55284	Down	Up
17560	TraesCS3D03G0691200	0.99866	0.6593	Down	Down
17561	TraesCS3D03G0691300	0.70362	1.53442	No	No
17562	TraesCS3D03G0691800	0.77682	1.22967	No	No
17563	TraesCS3D03G0692300	0.84571	0.37358	Down	Down
17564	TraesCS3D03G0692700	0.8088	0.76794	Down	Down
17565	TraesCS3D03G0694300	0.7616	2.11075	Down	Up
17566	TraesCS3D03G0694500	0.5656	0.3805	Down	Down
17567	TraesCS3D03G0694500	1.14241	0.60819	No	No
17568	TraesCS3D03G0694700	0.38135	0.48181	Down	Down
17570	TraesCS3D03G0697000	1.02395	1.68135	UP	UP
17571	TraesCS3D03G0697500	0.9272	0.83607	Down	Down
17572	TraesCS3D03G0698700	0.68519	1.21681	No	No
17573	TraesCS3D03G0699000	0.99155	1.17868	No	No
17574	TraesCS3D03G0699100	1.25771	0.51673	No	No

17575	TraesCS3D03G0699800	0.66521	2.05336	Down	Up
17576	TraesCS3D03G0700300	0.94098	1.08822	No	No
17577	TraesCS3D03G0700900	1.14239	1.31737	UP	UP
17578	TraesCS3D03G0701300	1.51595	0.8357	No	No
17579	TraesCS3D03G0701400	0.94137	1.5693	No	No
17580	TraesCS3D03G0702300	0.77046	1.08027	No	No
17582	TraesCS3D03G0703100	0.73252	4.61845	Down	Up
17583	TraesCS3D03G0703700	1.19443	1.77633	UP	UP
17584	TraesCS3D03G0704100	0.85125	0.18808	Down	Down
17585	TraesCS3D03G0704700	1.39567	0.66093	No	No
17587	TraesCS3D03G0705200	1.04106	0.75923	No	No
17590	TraesCS3D03G0707100	0.93371	1.23006	No	No
17591	TraesCS3D03G0708000	1.41095	1.48644	UP	UP
17592	TraesCS3D03G0708100	2.09158	0.92144	Up	Down
17593	TraesCS3D03G0708100	1.38812	0.80552	No	No
17594	TraesCS3D03G0708200	2.4256	0.57286	Up	Down
17595	TraesCS3D03G0708500	0.77733	1.55794	No	No
17596	TraesCS3D03G0708600	1.43232	1.18792	UP	UP
17599	TraesCS3D03G0710600	1.32084	0.57712	No	No
17600	TraesCS3D03G0710800	1.33982	1.52685	UP	UP
17601	TraesCS3D03G0710900	2.08533	0.2606	Up	Down
17602	TraesCS3D03G0711900	0.9652	1.28223	No	No
17603	TraesCS3D03G0712000	1.13671	0.70152	No	No
17604	TraesCS3D03G0712900	1.10904	0.83171	No	No
17605	TraesCS3D03G0713000	0.49779	1.53297	Down	Up
17606	TraesCS3D03G0713500	1.37702	1.22832	UP	UP
17607	TraesCS3D03G0713600	0.70559	2.7425	Down	Up
17608	TraesCS3D03G0714100	0.94205	1.38269	No	No
17609	TraesCS3D03G0714500	1.12899	0.56385	No	No
17611	TraesCS3D03G0715600	1.39654	1.1311	UP	UP
17613	TraesCS3D03G0716400	0.85209	0.29904	Down	Down
17614	TraesCS3D03G0716500	0.89245	3.24581	Down	Up
17615	TraesCS3D03G0716700	0.54621	2.11991	Down	Up
17616	TraesCS3D03G0717100	0.87191	1.22402	No	No
17617	TraesCS3D03G0717200	0.90227	5.81029	Down	Up
17618	TraesCS3D03G0717600	1.03721	2.09118	Up	Up
17619	TraesCS3D03G0719000	1.6155	0.70536	No	No
17620	TraesCS3D03G0720300	0.76216	0.97733	Down	Down
17621	TraesCS3D03G0720400	0.65562	1.03495	No	No
17622	TraesCS3D03G0720800	1.1183	0.68262	No	No
17623	TraesCS3D03G0720900	0.90947	5.26522	Down	Up
17625	TraesCS3D03G0723400	1.16026	1.17189	UP	UP
17626	TraesCS3D03G0723800	0.59499	1.18784	No	No
17627	TraesCS3D03G0724100	0.77197	0.66676	Down	Down
17628	TraesCS3D03G0724100	1.46194	0.53075	No	No
17629	TraesCS3D03G0724700	2.725	2.42312	UP	UP
17630	TraesCS3D03G0725400	0.75956	1.01662	No	No
17631	TraesCS3D03G0725500	0.43124	2.23911	Down	Up
17632	TraesCS3D03G0725700	2.86461	1.86835	Up	Up
17634	TraesCS3D03G0726600	0.86363	1.17191	No	No
17635	TraesCS3D03G0726700	1.0675	0.7182	No	No
17636	TraesCS3D03G0727300	0.72713	3.11289	Down	Up

17637	TraesCS3D03G0728200	1.58386	0.35898	Up	Down
17638	TraesCS3D03G0728200	0.88848	0.60594	Down	Down
17639	TraesCS3D03G0729200	0.95677	1.10366	No	No
17640	TraesCS3D03G0729500	1.42641	0.71654	No	No
17641	TraesCS3D03G0729600	0.63236	0.55008	Down	Down
17642	TraesCS3D03G0730000	1.14757	0.5349	No	No
17643	TraesCS3D03G0731900	0.97208	1.50822	No	No
17644	TraesCS3D03G0732000	0.76219	1.66954	No	No
17645	TraesCS3D03G0732400	1.05811	0.30998	Up	Down
17646	TraesCS3D03G0732500	1.02388	1.48394	UP	UP
17647	TraesCS3D03G0733300	0.65384	1.89085	No	No
17648	TraesCS3D03G0733600	0.63874	0.66481	Down	Down
17649	TraesCS3D03G0734400	1.13358	0.63301	No	No
17650	TraesCS3D03G0734800	0.92495	0.38205	Down	Down
17651	TraesCS3D03G0735000	0.78414	0.63081	Down	Down
17652	TraesCS3D03G0735200	0.81474	0.32646	Down	Down
17653	TraesCS3D03G0735400	4.19706	1.59325	Up	Up
17654	TraesCS3D03G0736000	1.28409	1.43483	UP	UP
17655	TraesCS3D03G0736300	0.72537	2.14353	Down	Up
17656	TraesCS3D03G0737600	0.95624	1.36579	No	No
17657	TraesCS3D03G0737900	0.7843	0.69532	Down	Down
17658	TraesCS3D03G0738000	1.59939	1.16872	UP	UP
17659	TraesCS3D03G0738800	0.82832	1.26736	No	No
17660	TraesCS3D03G0739000	0.74296	0.66853	Down	Down
17661	TraesCS3D03G0739100	0.92245	0.61596	Down	Down
17662	TraesCS3D03G0739300	0.67554	0.51708	Down	Down
17663	TraesCS3D03G0739400	0.75286	0.46255	Down	Down
17665	TraesCS3D03G0742000	1.23542	1.09037	UP	UP
17667	TraesCS3D03G0742900	0.63289	1.48619	No	No
17668	TraesCS3D03G0743400	0.56372	0.66282	Down	Down
17669	TraesCS3D03G0743800	0.65118	2.07652	Down	Up
17670	TraesCS3D03G0743900	1.15246	1.36227	UP	UP
17672	TraesCS3D03G0744600	1.38284	1.072	UP	UP
17674	TraesCS3D03G0745000	1.07699	0.57308	No	No
17675	TraesCS3D03G0745500	1.0067	1.17377	UP	UP
17676	TraesCS3D03G0746100	1.04116	3.52232	Up	Up
17677	TraesCS3D03G0746200	1.39687	1.93499	UP	UP
17678	TraesCS3D03G0746300	1.19352	0.57478	No	No
17679	TraesCS3D03G0746600	13.4363	0.28372	Up	Down
17680	TraesCS3D03G0746800	0.77149	2.76616	Down	Up
17681	TraesCS3D03G0747000	0.70167	0.97937	Down	Down
17682	TraesCS3D03G0747500	1.75084	0.96196	No	No
17683	TraesCS3D03G0747700	1.03165	0.63748	No	No
17684	TraesCS3D03G0747800	0.59036	1.44012	No	No
17685	TraesCS3D03G0748100	0.93086	1.26215	No	No
17687	TraesCS3D03G0750800	0.97033	0.78603	Down	Down
17688	TraesCS3D03G0751600	0.94541	1.2039	No	No
17689	TraesCS3D03G0752200	0.88915	0.64811	Down	Down
17690	TraesCS3D03G0752800	0.60527	1.17242	No	No
17691	TraesCS3D03G0753200	1.22169	1.3481	UP	UP
17693	TraesCS3D03G0753900	0.78396	1.14112	No	No
17694	TraesCS3D03G0754600	0.96996	1.47293	No	No

17695	TraesCS3D03G0755400	1.03886	1.29585	UP	UP
17696	TraesCS3D03G0756100	0.75866	0.75538	Down	Down
17697	TraesCS3D03G0756100	0.89526	1.18182	No	No
17698	TraesCS3D03G0756600	2.03005	2.65357	Up	Up
17701	TraesCS3D03G0756900	1.01998	1.82922	UP	UP
17702	TraesCS3D03G0757100	2.03764	0.35771	Up	Down
17703	TraesCS3D03G0757200	0.64052	0.93371	Down	Down
17704	TraesCS3D03G0758800	1.33384	0.02317	Up	Down
17705	TraesCS3D03G0759200	1.005	4.36503	Up	Up
17706	TraesCS3D03G0759500	1.23777	1.07661	UP	UP
17707	TraesCS3D03G0760700	1.11562	0.7472	No	No
17708	TraesCS3D03G0760800	2.24452	0.8468	Up	Down
17709	TraesCS3D03G0761800	1.65621	9.61699	Up	Up
17710	TraesCS3D03G0761900	1.02362	2.03387	Up	Up
17711	TraesCS3D03G0762400	0.82937	1.81933	No	No
17712	TraesCS3D03G0762900	0.60105	0.57655	Down	Down
17715	TraesCS3D03G0764100	0.44127	1.32452	Down	Up
17716	TraesCS3D03G0764100	0.51996	1.94939	No	No
17717	TraesCS3D03G0764300	1.0393	0.77554	No	No
17718	TraesCS3D03G0765100	0.85947	0.44561	Down	Down
17719	TraesCS3D03G0766200	0.79581	0.43968	Down	Down
17720	TraesCS3D03G0766300	1.2368	1.25489	UP	UP
17721	TraesCS3D03G0766400	0.88548	1.4805	No	No
17722	TraesCS3D03G0766600	0.74651	1.11526	No	No
17723	TraesCS3D03G0767200	0.86738	7.19042	Down	Up
17724	TraesCS3D03G0767800	0.67695	0.6473	Down	Down
17725	TraesCS3D03G0767800	1.36025	1.5407	UP	UP
17726	TraesCS3D03G0768100	0.83585	1.73423	No	No
17727	TraesCS3D03G0768800	0.8654	1.75651	No	No
17728	TraesCS3D03G0769100	1.20183	1.18805	UP	UP
17729	TraesCS3D03G0769400	0.67425	2.93408	Down	Up
17730	TraesCS3D03G0769700	1.05006	1.69163	UP	UP
17731	TraesCS3D03G0769800	1.09837	0.44738	Up	Down
17732	TraesCS3D03G0770200	1.03309	2.39456	Up	Up
17733	TraesCS3D03G0770300	1.2472	1.30531	UP	UP
17734	TraesCS3D03G0771400	0.84737	3.65772	Down	Up
17735	TraesCS3D03G0771500	0.83517	1.33119	No	No
17736	TraesCS3D03G0771600	0.71215	1.20249	No	No
17737	TraesCS3D03G0771900	0.82529	1.16087	No	No
17738	TraesCS3D03G0772700	0.9084	1.08468	No	No
17740	TraesCS3D03G0773100	0.85428	0.91533	Down	Down
17741	TraesCS3D03G0774300	0.63693	4.91455	Down	Up
17742	TraesCS3D03G0774400	0.783	1.78404	No	No
17743	TraesCS3D03G0775000	0.78329	1.51975	No	No
17745	TraesCS3D03G0775500	0.76311	0.13968	Down	Down
17746	TraesCS3D03G0775600	0.99095	0.47856	Down	Down
17747	TraesCS3D03G0775900	0.90748	0.6898	Down	Down
17748	TraesCS3D03G0776100	0.83945	1.51739	No	No
17749	TraesCS3D03G0776200	1.12624	1.34497	UP	UP
17750	TraesCS3D03G0776900	0.73612	1.6256	No	No
17751	TraesCS3D03G0777000	1.2117	1.03919	UP	UP
17752	TraesCS3D03G0777700	0.42052	4.89612	Down	Up

17753	TraesCS3D03G0778000	0.65373	2.49446	Down	Up
17754	TraesCS3D03G0779100	0.8086	1.58167	No	No
17756	TraesCS3D03G0779700	1.00451	1.3565	UP	UP
17757	TraesCS3D03G0780500	1.07517	1.03368	UP	UP
17758	TraesCS3D03G0781500	0.69658	1.25588	No	No
17759	TraesCS3D03G0781600	0.72129	3.21079	Down	Up
17761	TraesCS3D03G0782300	0.95559	1.56518	No	No
17764	TraesCS3D03G0783400	1.17936	1.04265	UP	UP
17765	TraesCS3D03G0783600	0.8326	4.45474	Down	Up
17766	TraesCS3D03G0784400	1.31377	0.39679	Up	Down
17767	TraesCS3D03G0784700	1.04585	0.07355	Up	Down
17769	TraesCS3D03G0785400	1.01565	0.76301	No	No
17770	TraesCS3D03G0787000	0.9924	2.49036	Down	Up
17771	TraesCS3D03G0787500	0.80193	2.96725	Down	Up
17772	TraesCS3D03G0787900	1.26047	0.76971	No	No
17773	TraesCS3D03G0788100	0.65064	0.24669	Down	Down
17775	TraesCS3D03G0788600	0.91926	4.26461	Down	Up
17776	TraesCS3D03G0789000	0.5799	0.28383	Down	Down
17777	TraesCS3D03G0789100	0.89873	1.94161	No	No
17780	TraesCS3D03G0791000	1.28076	1.5402	UP	UP
17781	TraesCS3D03G0792200	0.77624	1.45822	No	No
17782	TraesCS3D03G0792400	1.15173	0.79489	No	No
17785	TraesCS3D03G0792900	1.48677	0.18307	Up	Down
17786	TraesCS3D03G0793300	0.93496	0.8223	Down	Down
17787	TraesCS3D03G0794200	1.39248	0.55752	No	No
17789	TraesCS3D03G0794700	1.12584	0.39324	Up	Down
17790	TraesCS3D03G0794900	0.68918	1.3938	No	No
17791	TraesCS3D03G0795200	0.96288	2.10126	Down	Up
17792	TraesCS3D03G0795400	0.63875	1.40383	No	No
17793	TraesCS3D03G0795800	1.09503	1.30488	UP	UP
17794	TraesCS3D03G0796000	1.07644	0.98564	No	No
17795	TraesCS3D03G0796400	0.97217	1.0778	No	No
17797	TraesCS3D03G0796700	0.94651	2.67242	Down	Up
17798	TraesCS3D03G0796800	2.3469	1.01195	Up	Up
17799	TraesCS3D03G0797000	0.75729	0.35083	Down	Down
17800	TraesCS3D03G0797200	0.81311	0.75809	Down	Down
17801	TraesCS3D03G0797700	0.97112	0.54994	Down	Down
17802	TraesCS3D03G0797800	0.82555	1.2777	No	No
17803	TraesCS3D03G0798100	0.87293	0.78678	Down	Down
17804	TraesCS3D03G0798400	0.97149	0.49369	Down	Down
17805	TraesCS3D03G0798500	1.06212	0.62866	No	No
17806	TraesCS3D03G0798700	0.77046	2.85825	Down	Up
17807	TraesCS3D03G0799200	0.34884	1.23713	Down	Up
17809	TraesCS3D03G0800200	0.36094	0.57168	Down	Down
17810	TraesCS3D03G0801200	1.07244	11.7315	Up	Up
17811	TraesCS3D03G0802600	0.92955	1.33493	No	No
17812	TraesCS3D03G0802700	0.99315	1.54718	No	No
17813	TraesCS3D03G0802900	0.67291	1.25842	No	No
17814	TraesCS3D03G0803100	0.82369	1.06373	No	No
17815	TraesCS3D03G0803500	1.15807	0.33596	Up	Down
17816	TraesCS3D03G0803700	1.08057	3.05635	Up	Up
17817	TraesCS3D03G0804000	0.97492	1.0991	No	No

17818	TraesCS3D03G0805100	0.93638	1.66585	No	No
17819	TraesCS3D03G0805400	1.14426	0.97417	No	No
17820	TraesCS3D03G0805400	1.16028	0.70779	No	No
17821	TraesCS3D03G0806400	1.05775	0.70419	No	No
17822	TraesCS3D03G0806500	0.83689	2.09611	Down	Up
17823	TraesCS3D03G0807000	0.76776	1.89423	No	No
17824	TraesCS3D03G0807200	0.40581	8.19569	Down	Up
17826	TraesCS3D03G0808900	1.01771	1.11689	UP	UP
17827	TraesCS3D03G0809300	1.13345	0.96176	No	No
17828	TraesCS3D03G0809900	0.63715	1.55189	No	No
17829	TraesCS3D03G0810700	1.10975	1.57391	UP	UP
17830	TraesCS3D03G0811100	1.4139	5.60006	Up	Up
17831	TraesCS3D03G0811900	0.6973	0.87993	Down	Down
17833	TraesCS3D03G0812500	0.80765	4.0748	Down	Up
17834	TraesCS3D03G0812900	0.83148	1.39303	No	No
17835	TraesCS3D03G0813200	0.61432	2.00253	Down	Up
17836	TraesCS3D03G0813500	0.95277	18.9439	Down	Up
17837	TraesCS3D03G0813800	1.12995	0.93706	No	No
17838	TraesCS3D03G0814100	1.39494	0.48068	Up	Down
17839	TraesCS3D03G0814500	0.38664	9.84001	Down	Up
17840	TraesCS3D03G0815500	0.46982	17.8949	Down	Up
17841	TraesCS3D03G0816100	1.23896	1.07163	UP	UP
17842	TraesCS3D03G0817200	1.65502	1.05927	UP	UP
17843	TraesCS3D03G0817300	1.29786	0.75608	No	No
17846	TraesCS3D03G0819400	0.74302	1.46867	No	No
17847	TraesCS3D03G0819500	0.99762	0.21953	Down	Down
17848	TraesCS3D03G0820700	0.69841	1.17573	No	No
17849	TraesCS3D03G0820800	0.84845	0.87411	Down	Down
17850	TraesCS3D03G0821100	1.15293	1.7345	UP	UP
17851	TraesCS3D03G0821800	1.47227	1.09608	UP	UP
17852	TraesCS3D03G0822600	1.17638	1.48639	UP	UP
17853	TraesCS3D03G0823200	0.60556	2.08633	Down	Up
17854	TraesCS3D03G0823300	1.46121	1.43591	UP	UP
17855	TraesCS3D03G0823700	0.8912	1.17785	No	No
17856	TraesCS3D03G0823800	0.84947	1.11733	No	No
17859	TraesCS3D03G0825900	1.20789	0.77687	No	No
17860	TraesCS3D03G0826300	0.52512	1.51577	No	No
17861	TraesCS3D03G0826500	0.55459	1.78911	No	No
17862	TraesCS3D03G0826600	1.3668	1.43777	UP	UP
17863	TraesCS3D03G0826700	0.9962	1.04421	No	No
17864	TraesCS3D03G0826800	1.16286	0.18464	Up	Down
17865	TraesCS3D03G0826900	1.22552	0.73336	No	No
17866	TraesCS3D03G0827000	0.99909	1.3636	No	No
17867	TraesCS3D03G0827800	1.09065	1.8578	UP	UP
17868	TraesCS3D03G0828000	0.97596	0.69394	Down	Down
17869	TraesCS3D03G0828100	1.30645	1.25068	UP	UP
17870	TraesCS3D03G0828400	1.59398	0.62966	No	No
17871	TraesCS3D03G0828500	0.72771	1.67234	No	No
17872	TraesCS3D03G0828600	1.46579	1.13166	UP	UP
17873	TraesCS3D03G0829300	0.808	0.95197	Down	Down
17874	TraesCS3D03G0830500	1.12151	0.67418	No	No
17875	TraesCS3D03G0831600	1.30806	1.87955	UP	UP

17876	TraesCS3D03G0831800	1.17446	0.49176	Up	Down
17877	TraesCS3D03G0832200	1.23838	0.90345	No	No
17878	TraesCS3D03G0832500	1.25363	1.12565	UP	UP
17883	TraesCS3D03G0833600	0.56553	9.19031	Down	Up
17884	TraesCS3D03G0833700	0.94782	1.03966	No	No
17885	TraesCS3D03G0833900	0.77678	2.83471	Down	Up
17886	TraesCS3D03G0835500	0.73877	0.44791	Down	Down
17887	TraesCS3D03G0836200	1.17468	0.72338	No	No
17888	TraesCS3D03G0836800	1.02061	1.17404	UP	UP
17889	TraesCS3D03G0837200	1.06141	0.28578	Up	Down
17890	TraesCS3D03G0837600	0.79297	5.76055	Down	Up
17891	TraesCS3D03G0837700	0.9358	1.83384	No	No
17892	TraesCS3D03G0838100	1.67044	0.45856	Up	Down
17893	TraesCS3D03G0838100	1.64653	2.2363	Up	Up
17894	TraesCS3D03G0838200	1.01028	1.24369	UP	UP
17895	TraesCS3D03G0838400	0.86805	1.29542	No	No
17896	TraesCS3D03G0838700	0.92718	1.14971	No	No
17897	TraesCS3D03G0839200	0.98388	1.32611	No	No
17901	TraesCS3D03G0840700	0.87425	1.25622	No	No
17902	TraesCS3D03G0841500	0.57237	2.14561	Down	Up
17903	TraesCS3D03G0842900	1.112	0.53586	No	No
17904	TraesCS3D03G0845200	0.79418	0.1636	Down	Down
17905	TraesCS3D03G0845400	1.04462	0.83968	No	No
17906	TraesCS3D03G0845500	0.75399	3.29637	Down	Up
17907	TraesCS3D03G0845900	2.22484	2.01227	UP	UP
17908	TraesCS3D03G0846000	0.9119	2.91463	Down	Up
17910	TraesCS3D03G0847000	0.67653	1.62032	No	No
17911	TraesCS3D03G0847400	0.69913	1.78236	No	No
17912	TraesCS3D03G0847500	1.15439	0.27612	Up	Down
17914	TraesCS3D03G0852800	1.47011	1.48905	UP	UP
17916	TraesCS3D03G0857800	0.84207	0.80651	Down	Down
17917	TraesCS3D03G0858100	1.11224	1.13275	UP	UP
17918	TraesCS3D03G0858400	1.50177	0.31299	Up	Down
17919	TraesCS3D03G0859000	1.14404	1.61126	UP	UP
17920	TraesCS3D03G0859200	0.84809	0.94716	Down	Down
17921	TraesCS3D03G0859500	0.58379	3.14257	Down	Up
17922	TraesCS3D03G0861400	0.95446	0.79759	Down	Down
17923	TraesCS3D03G0861500	1.7367	0.52448	No	No
17924	TraesCS3D03G0862000	0.59144	2.90855	Down	Up
17925	TraesCS3D03G0862000	1.19642	4.31928	Up	Up
17926	TraesCS3D03G0862300	0.64637	0.42781	Down	Down
17927	TraesCS3D03G0862600	0.85818	1.80201	No	No
17928	TraesCS3D03G0862700	1.43477	2.17088	Up	Up
17929	TraesCS3D03G0862800	0.96835	1.06018	No	No
17930	TraesCS3D03G0862800	1.55692	1.26927	UP	UP
17931	TraesCS3D03G0862900	0.58486	0.86591	Down	Down
17932	TraesCS3D03G0863000	0.94578	0.47589	Down	Down
17933	TraesCS3D03G0865400	1.10016	0.78782	No	No
17934	TraesCS3D03G0865500	0.91877	0.37303	Down	Down
17935	TraesCS3D03G0865800	0.79607	1.20753	No	No
17936	TraesCS3D03G0866600	2.14095	0.30311	Up	Down
17937	TraesCS3D03G0866700	1.07007	0.82622	No	No

17938	TraesCS3D03G0867000	0.90741	0.29777	Down	Down
17939	TraesCS3D03G0867100	0.65434	3.43788	Down	Up
17940	TraesCS3D03G0868700	0.62164	8.41221	Down	Up
17941	TraesCS3D03G0868700	0.42316	7.75138	Down	Up
17942	TraesCS3D03G0868900	0.87647	1.74225	No	No
17943	TraesCS3D03G0869300	0.86116	0.49162	Down	Down
17944	TraesCS3D03G0869300	1.07153	1.00725	UP	UP
17945	TraesCS3D03G0869500	0.73682	0.47892	Down	Down
17946	TraesCS3D03G0869600	1.12775	1.09778	UP	UP
17947	TraesCS3D03G0870300	0.93017	1.50257	No	No
17948	TraesCS3D03G0870400	0.83163	1.13074	No	No
17949	TraesCS3D03G0870600	0.78443	1.0343	No	No
17950	TraesCS3D03G0873000	1.22473	1.58128	UP	UP
17951	TraesCS3D03G0873600	1.09172	10.2796	Up	Up
17952	TraesCS3D03G0873700	1.32977	9.50074	Up	Up
17953	TraesCS3D03G0874000	0.87167	4.33418	Down	Up
17954	TraesCS3D03G0874200	1.09124	3.89347	Up	Up
17955	TraesCS3D03G0874800	1.28112	4.65294	Up	Up
17956	TraesCS3D03G0874900	0.97286	0.21281	Down	Down
17957	TraesCS3D03G0875400	0.80146	0.36623	Down	Down
17958	TraesCS3D03G0877000	0.95538	0.519	Down	Down
17959	TraesCS3D03G0877000	0.72793	0.77518	Down	Down
17960	TraesCS3D03G0877100	0.70933	1.79561	No	No
17961	TraesCS3D03G0877700	0.77033	1.15273	No	No
17962	TraesCS3D03G0877900	0.62148	1.60055	No	No
17963	TraesCS3D03G0879100	0.93748	1.28792	No	No
17964	TraesCS3D03G0879200	0.82429	0.45463	Down	Down
17965	TraesCS3D03G0879300	0.90356	1.33445	No	No
17967	TraesCS3D03G0880000	0.64694	1.97832	No	No
17968	TraesCS3D03G0880100	1.54413	0.93974	No	No
17969	TraesCS3D03G0880300	0.82791	1.78494	No	No
17970	TraesCS3D03G0880300	1.11674	1.22771	UP	UP
17971	TraesCS3D03G0880400	1.30996	1.11869	UP	UP
17972	TraesCS3D03G0880800	0.97119	2.43346	Down	Up
17973	TraesCS3D03G0880800	1.07459	3.02502	Up	Up
17974	TraesCS3D03G0881200	0.72685	0.42616	Down	Down
17975	TraesCS3D03G0882200	1.51994	5.56699	Up	Up
17977	TraesCS3D03G0883200	0.64242	0.87273	Down	Down
17979	TraesCS3D03G0884100	1.05873	0.62028	No	No
17980	TraesCS3D03G0884200	1.95881	0.65923	No	No
17981	TraesCS3D03G0885400	0.84066	0.59578	Down	Down
17982	TraesCS3D03G0885800	1.07035	0.85	No	No
17983	TraesCS3D03G0886900	1.3363	0.5159	No	No
17984	TraesCS3D03G0887100	1.19011	1.45323	UP	UP
17985	TraesCS3D03G0887700	1.58645	0.52916	No	No
17986	TraesCS3D03G0887900	1.09748	1.4068	UP	UP
17987	TraesCS3D03G0888000	1.01476	0.6571	No	No
17988	TraesCS3D03G0888400	1.00769	1.21621	UP	UP
17989	TraesCS3D03G0889200	0.80801	3.55439	Down	Up
17990	TraesCS3D03G0890900	1.68303	1.31015	UP	UP
17992	TraesCS3D03G0892200	1.26075	0.99675	No	No
17993	TraesCS3D03G0892600	0.90295	0.70337	Down	Down

17995	TraesCS3D03G0894600	1.32573	0.96021	No	No
17997	TraesCS3D03G0897800	1.70854	1.05932	UP	UP
17998	TraesCS3D03G0898400	1.0892	0.30659	Up	Down
17999	TraesCS3D03G0898500	1.41136	0.32571	Up	Down
18000	TraesCS3D03G0898900	0.81077	1.62998	No	No
18001	TraesCS3D03G0899300	0.95422	0.68342	Down	Down
18002	TraesCS3D03G0899500	1.04228	2.18029	Up	Up
18003	TraesCS3D03G0899700	0.35347	0.49195	Down	Down
18004	TraesCS3D03G0899800	0.60121	1.91552	No	No
18005	TraesCS3D03G0901200	1.03142	1.09396	UP	UP
18006	TraesCS3D03G0902300	1.03153	1.82834	UP	UP
18007	TraesCS3D03G0904900	2.58138	6.61672	Up	Up
18008	TraesCS3D03G0904900	0.54308	1.16099	No	No
18009	TraesCS3D03G0905000	0.4223	1.01261	Down	Up
18010	TraesCS3D03G0905500	0.21437	1.13998	Down	Up
18011	TraesCS3D03G0905800	0.74498	0.62879	Down	Down
18012	TraesCS3D03G0906100	0.38205	0.69407	Down	Down
18013	TraesCS3D03G0906200	1.06799	1.11433	UP	UP
18015	TraesCS3D03G0906400	0.69843	2.84255	Down	Up
18016	TraesCS3D03G0906500	0.91861	0.47755	Down	Down
18017	TraesCS3D03G0906600	1.07716	0.9923	No	No
18018	TraesCS3D03G0907200	1.02467	1.25204	UP	UP
18019	TraesCS3D03G0908300	0.87119	0.27073	Down	Down
18020	TraesCS3D03G0908300	1.62644	0.58887	No	No
18021	TraesCS3D03G0908400	1.23964	0.16732	Up	Down
18022	TraesCS3D03G0908900	1.03061	0.19422	Up	Down
18023	TraesCS3D03G0909500	0.84667	1.01818	No	No
18024	TraesCS3D03G0909600	0.34792	1.82716	Down	Up
18026	TraesCS3D03G0910700	0.82757	1.42258	No	No
18027	TraesCS3D03G0911100	0.17421	8.66996	Down	Up
18028	TraesCS3D03G0912000	1.24003	2.20084	Up	Up
18029	TraesCS3D03G0912900	1.00996	1.71723	UP	UP
18031	TraesCS3D03G0914100	0.73522	1.26369	No	No
18032	TraesCS3D03G0914400	0.8409	1.05851	No	No
18033	TraesCS3D03G0914500	0.99377	1.68138	No	No
18034	TraesCS3D03G0915200	1.26232	0.98401	No	No
18035	TraesCS3D03G0915400	0.9189	3.63442	Down	Up
18036	TraesCS3D03G0915600	1.55624	2.78144	Up	Up
18037	TraesCS3D03G0915800	1.22672	0.23976	Up	Down
18038	TraesCS3D03G0916100	0.74818	0.96291	Down	Down
18039	TraesCS3D03G0916200	0.73768	0.97418	Down	Down
18040	TraesCS3D03G0916300	1.42444	0.77365	No	No
18041	TraesCS3D03G0917200	0.71324	1.48577	No	No
18042	TraesCS3D03G0917300	0.57609	0.8467	Down	Down
18043	TraesCS3D03G0918600	0.7252	2.42175	Down	Up
18045	TraesCS3D03G0919300	1.03473	1.36203	UP	UP
18046	TraesCS3D03G0919500	0.73993	2.29978	Down	Up
18048	TraesCS3D03G0921600	0.92565	1.06377	No	No
18049	TraesCS3D03G0922700	0.60071	2.98249	Down	Up
18050	TraesCS3D03G0922800	1.3274	1.77295	UP	UP
18051	TraesCS3D03G0923100	1.0799	2.53122	Up	Up
18052	TraesCS3D03G0923400	1.01277	0.63145	No	No

18053	TraesCS3D03G0923500	0.62417	0.38568	Down	Down
18054	TraesCS3D03G0923600	0.93625	0.44986	Down	Down
18055	TraesCS3D03G0923700	0.88346	1.08937	No	No
18056	TraesCS3D03G0925500	1.09276	1.19667	UP	UP
18059	TraesCS3D03G0927400	0.92574	0.45273	Down	Down
18060	TraesCS3D03G0927500	1.11156	0.9621	No	No
18061	TraesCS3D03G0927600	0.75982	0.34599	Down	Down
18062	TraesCS3D03G0928400	1.31899	0.84205	No	No
18063	TraesCS3D03G0928500	0.59659	1.21279	No	No
18064	TraesCS3D03G0928500	0.85067	1.1327	No	No
18065	TraesCS3D03G0929800	0.83622	1.07672	No	No
18066	TraesCS3D03G0930200	1.2936	0.33012	Up	Down
18070	TraesCS3D03G0930800	0.88665	2.47445	Down	Up
18071	TraesCS3D03G0930900	1.09969	0.70444	No	No
18072	TraesCS3D03G0932500	0.82637	2.23675	Down	Up
18073	TraesCS3D03G0932800	0.7928	1.35844	No	No
18074	TraesCS3D03G0933800	0.70637	0.46589	Down	Down
18075	TraesCS3D03G0935000	1.75586	1.65272	UP	UP
18076	TraesCS3D03G0935600	0.71469	0.87513	Down	Down
18077	TraesCS3D03G0935900	0.3173	1.01908	Down	Up
18078	TraesCS3D03G0936000	0.65185	0.74034	Down	Down
18079	TraesCS3D03G0936200	0.90549	1.50068	No	No
18080	TraesCS3D03G0936800	0.81684	0.35834	Down	Down
18081	TraesCS3D03G0937300	1.69229	0.55539	No	No
18082	TraesCS3D03G0937400	0.99227	0.38632	Down	Down
18083	TraesCS3D03G0937600	1.11682	1.27377	UP	UP
18084	TraesCS3D03G0939200	1.10882	1.23064	UP	UP
18085	TraesCS3D03G0939900	1.91599	1.41411	UP	UP
18086	TraesCS3D03G0940300	1.13329	1.55722	UP	UP
18087	TraesCS3D03G0942000	0.94089	0.36794	Down	Down
18088	TraesCS3D03G0942100	0.7849	0.76709	Down	Down
18089	TraesCS3D03G0943000	0.81138	0.44089	Down	Down
18090	TraesCS3D03G0943600	1.05877	0.57632	No	No
18091	TraesCS3D03G0943800	0.88469	2.5324	Down	Up
18092	TraesCS3D03G0944200	0.95416	1.13512	No	No
18093	TraesCS3D03G0945200	0.78275	0.92106	Down	Down
18094	TraesCS3D03G0945300	0.46988	2.00513	Down	Up
18095	TraesCS3D03G0945700	0.53332	1.15218	No	No
18096	TraesCS3D03G0946400	0.43039	0.84178	Down	Down
18097	TraesCS3D03G0946500	0.93333	1.3443	No	No
18098	TraesCS3D03G0947100	1.58729	1.27145	UP	UP
18099	TraesCS3D03G0947300	0.77136	1.1387	No	No
18100	TraesCS3D03G0949700	1.28882	1.2969	UP	UP
18101	TraesCS3D03G0950000	0.99288	1.21876	No	No
18102	TraesCS3D03G0950200	2.16763	2.49801	UP	UP
18103	TraesCS3D03G0950500	1.23231	0.85502	No	No
18105	TraesCS3D03G0950800	0.40321	1.20896	Down	Up
18106	TraesCS3D03G0951100	0.8904	1.42926	No	No
18107	TraesCS3D03G0951200	1.24034	1.05318	UP	UP
18108	TraesCS3D03G0952100	0.84804	1.4977	No	No
18109	TraesCS3D03G0952300	0.74143	1.74121	No	No
18110	TraesCS3D03G0952500	0.9612	0.81954	Down	Down

18111	TraesCS3D03G0953100	0.48182	3.94233	Down	Up
18112	TraesCS3D03G0953400	0.9557	1.32587	No	No
18113	TraesCS3D03G0953500	1.01279	2.62932	Up	Up
18115	TraesCS3D03G0954300	1.0358	0.71973	No	No
18116	TraesCS3D03G0954600	0.94841	4.94283	Down	Up
18117	TraesCS3D03G0954700	1.16197	2.45755	Up	Up
18118	TraesCS3D03G0956500	0.80826	2.09289	Down	Up
18119	TraesCS3D03G0957500	0.89116	2.06965	Down	Up
18120	TraesCS3D03G0958400	0.80968	1.85463	No	No
18121	TraesCS3D03G0958600	0.51356	4.6978	Down	Up
18122	TraesCS3D03G0958700	1.00319	2.51164	Up	Up
18123	TraesCS3D03G0958800	0.82292	0.47124	Down	Down
18124	TraesCS3D03G0959500	1.56046	1.46635	UP	UP
18126	TraesCS3D03G0960200	0.50944	2.54178	Down	Up
18127	TraesCS3D03G0960700	0.59738	5.66236	Down	Up
18128	TraesCS3D03G0960800	0.42288	3.72979	Down	Up
18129	TraesCS3D03G0962000	0.37484	4.21189	Down	Up
18130	TraesCS3D03G0962800	1.97566	0.86987	No	No
18131	TraesCS3D03G0963200	0.96669	11.5889	Down	Up
18132	TraesCS3D03G0963300	0.9112	6.93746	Down	Up
18133	TraesCS3D03G0963700	0.84522	1.7587	No	No
18134	TraesCS3D03G0963900	0.96066	1.33941	No	No
18135	TraesCS3D03G0964000	1.0858	2.05007	Up	Up
18137	TraesCS3D03G0964200	0.97077	2.64547	Down	Up
18138	TraesCS3D03G0964400	0.34719	4.66876	Down	Up
18139	TraesCS3D03G0966500	1.68566	0.22726	Up	Down
18140	TraesCS3D03G0966600	0.95179	1.61895	No	No
18141	TraesCS3D03G0966800	0.75128	3.35844	Down	Up
18142	TraesCS3D03G0966900	1.55331	0.33222	Up	Down
18144	TraesCS3D03G0967800	1.17839	0.66278	No	No
18145	TraesCS3D03G0968500	1.15487	0.90177	No	No
18146	TraesCS3D03G0969200	1.38425	0.72952	No	No
18147	TraesCS3D03G0969400	0.94912	1.48611	No	No
18148	TraesCS3D03G0969700	0.97809	0.78957	Down	Down
18149	TraesCS3D03G0972900	0.95865	1.17861	No	No
18150	TraesCS3D03G0973900	0.96934	1.05031	No	No
18151	TraesCS3D03G0974200	1.78479	0.39979	Up	Down
18152	TraesCS3D03G0976100	1.68426	1.46874	UP	UP
18153	TraesCS3D03G0976600	1.15659	0.67348	No	No
18154	TraesCS3D03G0978800	0.67303	1.46569	No	No
18155	TraesCS3D03G0978900	1.10059	0.92433	No	No
18159	TraesCS3D03G0981600	1.06497	0.9062	No	No
18160	TraesCS3D03G0981800	0.99148	1.39436	No	No
18161	TraesCS3D03G0982100	0.93937	1.97952	No	No
18162	TraesCS3D03G0982300	0.84977	2.9219	Down	Up
18163	TraesCS3D03G0983000	1.29243	0.75121	No	No
18164	TraesCS3D03G0983400	1.24545	1.03654	UP	UP
18165	TraesCS3D03G0984700	1.11481	1.48584	UP	UP
18166	TraesCS3D03G0984800	0.71055	1.71297	No	No
18167	TraesCS3D03G0988400	3.12961	1.37587	Up	Up
18168	TraesCS3D03G0988700	1.88381	1.06856	UP	UP
18169	TraesCS3D03G0988900	1.37764	0.76424	No	No

18170	TraesCS3D03G0990600	1.27212	0.57602	No	No
18171	TraesCS3D03G0991100	2.72889	2.013	Up	Up
18172	TraesCS3D03G0991600	0.96385	0.85523	Down	Down
18173	TraesCS3D03G0991900	1.05253	0.96884	No	No
18174	TraesCS3D03G0992700	1.43035	6.29153	Up	Up
18175	TraesCS3D03G0993200	0.94627	0.9728	Down	Down
18176	TraesCS3D03G0993300	1.2896	2.17764	Up	Up
18177	TraesCS3D03G0995600	0.62007	2.20866	Down	Up
18178	TraesCS3D03G0999200	0.84692	0.70512	Down	Down
18179	TraesCS3D03G1001100	0.69724	1.64777	No	No
18180	TraesCS3D03G1001900	1.13699	1.19432	UP	UP
18181	TraesCS3D03G1006900	0.80577	0.48645	Down	Down
18182	TraesCS3D03G1006900	1.06647	0.76652	No	No
18183	TraesCS3D03G1007000	1.05199	0.81949	No	No
18184	TraesCS3D03G1007100	1.06767	6.29068	Up	Up
18185	TraesCS3D03G1007500	1.22406	2.64314	Up	Up
18186	TraesCS3D03G1009000	0.67219	0.88312	Down	Down
18187	TraesCS3D03G1009000	0.67363	0.79727	Down	Down
18190	TraesCS3D03G1012800	0.82566	2.70416	Down	Up
18191	TraesCS3D03G1013500	0.94663	0.84525	Down	Down
18192	TraesCS3D03G1013600	1.23208	1.51867	UP	UP
18193	TraesCS3D03G1014300	1.38148	1.48898	UP	UP
18194	TraesCS3D03G1014500	0.68387	1.0149	No	No
18196	TraesCS3D03G1015300	0.44758	2.07543	Down	Up
18197	TraesCS3D03G1017300	1.10789	0.79188	No	No
18198	TraesCS3D03G1017300	1.04734	1.24087	UP	UP
18199	TraesCS3D03G1018100	0.93846	0.65139	Down	Down
18200	TraesCS3D03G1019300	1.21185	1.19533	UP	UP
18201	TraesCS3D03G1019800	0.97602	0.53364	Down	Down
18202	TraesCS3D03G1021600	0.88733	1.0493	No	No
18204	TraesCS3D03G1022300	1.04542	0.83114	No	No
18208	TraesCS3D03G1026600	0.78141	0.72281	Down	Down
18209	TraesCS3D03G1027200	1.21756	0.95919	No	No
18210	TraesCS3D03G1027400	0.74962	0.74259	Down	Down
18211	TraesCS3D03G1030800	0.86009	15.5114	Down	Up
18212	TraesCS3D03G1036600	0.78194	1.14432	No	No
18213	TraesCS3D03G1036900	0.66108	1.81387	No	No
18214	TraesCS3D03G1038100	1.13815	2.56512	Up	Up
18217	TraesCS3D03G1042000	0.85932	1.68534	No	No
18218	TraesCS3D03G1042900	0.79143	1.10731	No	No
18219	TraesCS3D03G1044800	0.84971	0.76104	Down	Down
18220	TraesCS3D03G1044900	3.59117	10.3278	Up	Up
18221	TraesCS3D03G1045000	1.90966	10.4485	Up	Up
18222	TraesCS3D03G1047800	1.01159	2.15282	Up	Up
18223	TraesCS3D03G1048600	0.34321	18.171	Down	Up
18224	TraesCS3D03G1048800	0.22949	43.2667	Down	Up
18225	TraesCS3D03G1049200	0.68335	1.94188	No	No
18226	TraesCS3D03G1049300	0.89028	1.27269	No	No
18227	TraesCS3D03G1049400	0.94143	0.27219	Down	Down
18228	TraesCS3D03G1052000	0.12072	36.204	Down	Up
18229	TraesCS3D03G1053700	0.16236	19.9238	Down	Up
18230	TraesCS3D03G1055100	0.56515	0.77483	Down	Down

18231	TraesCS3D03G1055800	0.14372	18.7113	Down	Up
18232	TraesCS3D03G1057000	1.74158	0.70634	No	No
18234	TraesCS3D03G1058700	0.69534	0.77094	Down	Down
18235	TraesCS3D03G1058900	0.73391	0.70268	Down	Down
18236	TraesCS3D03G1061000	0.97624	0.86577	Down	Down
18237	TraesCS3D03G1061200	1.16829	0.6833	No	No
18238	TraesCS3D03G1064100	0.75764	2.24097	Down	Up
18239	TraesCS3D03G1065000	0.41528	0.5756	Down	Down
18241	TraesCS3D03G1067000	0.45282	1.10163	Down	Up
18242	TraesCS3D03G1068000	0.93418	1.68966	No	No
18244	TraesCS3D03G1069100	1.26391	0.94838	No	No
18245	TraesCS3D03G1069100	0.99821	1.28008	No	No
18246	TraesCS3D03G1069300	1.32575	0.95863	No	No
18247	TraesCS3D03G1069500	0.72566	2.35748	Down	Up
18248	TraesCS3D03G1070900	1.51908	2.15421	Up	Up
18249	TraesCS3D03G1071700	0.56287	1.26542	No	No
18251	TraesCS3D03G1072000	0.93658	2.30277	Down	Up
18252	TraesCS3D03G1072400	0.82062	1.26413	No	No
18254	TraesCS3D03G1073300	0.87277	3.31791	Down	Up
18255	TraesCS3D03G1074200	4.80327	0.38649	Up	Down
18256	TraesCS3D03G1078200	0.91527	0.74996	Down	Down
18257	TraesCS3D03G1078300	0.93934	0.5989	Down	Down
18258	TraesCS3D03G1078400	1.07662	0.96603	No	No
18259	TraesCS3D03G1078800	1.35552	0.52135	No	No
18261	TraesCS3D03G1082400	1.10424	0.74805	No	No
18262	TraesCS3D03G1083700	0.83572	0.99189	Down	Down
18264	TraesCS3D03G1086300	0.46333	1.16036	Down	Up
18265	TraesCS3D03G1086600	0.71668	2.57752	Down	Up
18267	TraesCS3D03G1088800	0.93584	1.89455	No	No
18268	TraesCS3D03G1089600	0.93269	1.15122	No	No
18269	TraesCS3D03G1091900	1.17913	1.81143	UP	UP
18270	TraesCS3D03G1092300	0.64967	2.02211	Down	Up
18271	TraesCS3D03G1092400	0.97413	1.80905	No	No
18272	TraesCS3D03G1092900	0.97622	0.24808	Down	Down
18273	TraesCS3D03G1093100	1.44599	0.37418	Up	Down
18274	TraesCS3D03G1093700	1.127	0.34893	Up	Down
18275	TraesCS3D03G1093800	1.44915	0.72379	No	No
18276	TraesCS3D03G1095600	1.08039	1.16613	UP	UP
18277	TraesCS3D03G1095700	0.64235	4.4007	Down	Up
18278	TraesCS3D03G1096800	0.8838	1.87547	No	No
18279	TraesCS3D03G1096900	0.92993	1.07447	No	No
18280	TraesCS3D03G1097000	0.78553	4.19233	Down	Up
18281	TraesCS3D03G1097500	0.95818	0.98053	Down	Down
18282	TraesCS3D03G1097800	1.05994	0.6583	No	No
18283	TraesCS3D03G1097900	0.94801	1.2395	No	No
18284	TraesCS3D03G1098600	0.89364	3.57256	Down	Up
18285	TraesCS3D03G1099100	1.1078	0.16834	Up	Down
18286	TraesCS3D03G1099300	0.98083	1.4771	No	No
18287	TraesCS3D03G1099300	0.76907	0.75588	Down	Down
18290	TraesCS3D03G1105200	0.8359	1.34052	No	No
18291	TraesCS3D03G1105500	0.92879	7.13882	Down	Up
18293	TraesCS3D03G1107000	0.43298	3.33573	Down	Up

18294	TraesCS3D03G1107100	0.33181	3.46459	Down	Up
18295	TraesCS3D03G1107200	1.41538	1.41927	UP	UP
18296	TraesCS3D03G1108700	1.27625	1.62437	UP	UP
18298	TraesCS3D03G1112600	1.10184	0.95567	No	No
18299	TraesCS3D03G1113100	0.92476	2.71536	Down	Up
18300	TraesCS3D03G1116200	1.18309	1.13991	UP	UP
18301	TraesCS3D03G1117500	0.60807	1.78427	No	No
18302	TraesCS3D03G1118900	0.38332	7.63215	Down	Up
18304	TraesCS3D03G1120200	1.51722	0.74011	No	No
18305	TraesCS3D03G1120700	1.28679	0.77243	No	No
18306	TraesCS3D03G1120800	0.92393	0.84035	Down	Down
18307	TraesCS3D03G1120800	0.50455	1.1542	No	No
18309	TraesCS3D03G1122600	1.17746	2.26965	Up	Up
18310	TraesCS3D03G1122900	0.79989	0.27451	Down	Down
18311	TraesCS3D03G1123200	0.8594	1.21004	No	No
18312	TraesCS3D03G1123800	0.70211	2.2884	Down	Up
18313	TraesCS3D03G1123900	0.95844	0.55368	Down	Down
18314	TraesCS3D03G1124000	1.08641	2.45399	Up	Up
18315	TraesCS3D03G1124200	1.03888	0.72585	No	No
18316	TraesCS3D03G1124600	0.72842	0.77084	Down	Down
18319	TraesCS3D03G1127300	0.41727	0.68879	Down	Down
18320	TraesCS3D03G1131600	0.8797	1.45713	No	No
18322	TraesCS3D03G1134100	1.70995	5.10764	Up	Up
18323	TraesCS3D03G1134400	0.86166	1.41061	No	No
18324	TraesCS3D03G1134600	1.25024	0.46984	Up	Down
18326	TraesCS3D03G1136100	1.00792	0.15978	Up	Down
18327	TraesCS3D03G1138800	1.72699	1.61874	UP	UP
18328	TraesCS3D03G1138800	0.97594	0.93507	Down	Down
18329	TraesCS3D03G1139900	0.93326	1.52259	No	No
18331	TraesCS3D03G1143200	0.92163	1.42427	No	No
18333	TraesCS3D03G1144500	0.96577	0.6114	Down	Down
18335	TraesCS3D03G1145000	0.38732	0.74133	Down	Down
18336	TraesCS3D03G1145300	0.55036	0.32461	Down	Down
18337	TraesCS3D03G1145600	0.58157	0.7097	Down	Down
18338	TraesCS3D03G1145900	0.19827	3.94701	Down	Up
18339	TraesCS3D03G1146400	0.10212	3.86823	Down	Up
18340	TraesCS3D03G1149100	0.9252	1.98647	No	No
18341	TraesCS3D03G1150300	1.25679	0.75802	No	No
18342	TraesCS3D03G1151500	1.10312	0.96996	No	No
18343	TraesCS3D03G1151600	1.99883	1.58226	UP	UP
18346	TraesCS3D03G1153100	1.14292	1.65289	UP	UP
18347	TraesCS3D03G1153200	1.01615	0.59302	No	No
18349	TraesCS3D03G1153700	1.01759	8.33749	Up	Up
18350	TraesCS3D03G1154000	1.21203	0.5944	No	No
18351	TraesCS3D03G1154600	1.13305	0.88052	No	No
18352	TraesCS3D03G1154800	1.2136	0.83313	No	No
18353	TraesCS3D03G1158500	1.11951	0.45939	Up	Down
18354	TraesCS3D03G1159500	1.08882	0.14096	Up	Down
18355	TraesCS3D03G1159600	0.63412	0.58672	Down	Down
18356	TraesCS3D03G1159700	0.93814	0.94051	Down	Down
18357	TraesCS3D03G1159800	1.05157	0.53064	No	No
18358	TraesCS3D03G1159900	0.8541	1.25967	No	No

18359	TraesCS3D03G1160000	0.75697	0.72561	Down	Down
18360	TraesCS3D03G1160100	0.9305	1.35917	No	No
18361	TraesCS3D03G1160300	0.70482	1.36223	No	No
18362	TraesCS3D03G1160600	0.59678	10.0827	Down	Up
18363	TraesCS3D03G1160700	0.76585	0.96083	Down	Down
18364	TraesCS3D03G1161400	0.83556	1.05639	No	No
18365	TraesCS3D03G1161600	0.68894	2.36646	Down	Up
18366	TraesCS3D03G1162700	1.05064	0.95422	No	No
18367	TraesCS3D03G1162800	0.91173	1.15658	No	No
18368	TraesCS3D03G1166000	2.33976	0.80977	Up	Down
18369	TraesCS3D03G1167100	0.91942	1.03651	No	No
18371	TraesCS3D03G1167300	0.7566	0.99426	Down	Down
18373	TraesCS3D03G1167800	0.87208	1.38565	No	No
18374	TraesCS3D03G1168400	1.15659	3.05368	Up	Up
18375	TraesCS3D03G1168500	0.94595	0.84109	Down	Down
18376	TraesCS3D03G1169000	1.06505	1.05064	UP	UP
18377	TraesCS3D03G1169100	0.91313	0.6362	Down	Down
18378	TraesCS3D03G1169500	0.8236	0.37561	Down	Down
18379	TraesCS3D03G1169900	0.68649	1.72636	No	No
18380	TraesCS3D03G1170100	0.97637	0.63207	Down	Down
18381	TraesCS3D03G1170400	1.09639	0.87178	No	No
18382	TraesCS3D03G1171100	1.07502	0.7993	No	No
18383	TraesCS3D03G1171300	1.01885	0.62653	No	No
18384	TraesCS3D03G1171400	0.97264	0.89402	Down	Down
18386	TraesCS3D03G1172000	0.87547	1.24083	No	No
18387	TraesCS3D03G1172900	1.13981	1.31095	UP	UP
18389	TraesCS3D03G1173900	0.88824	1.30141	No	No
18390	TraesCS3D03G1174200	0.98509	3.95914	Down	Up
18391	TraesCS3D03G1175000	1.10732	2.35548	Up	Up
18392	TraesCS3D03G1176600	0.86334	1.97944	No	No
18393	TraesCS3D03G1179800	1.23879	0.451	Up	Down
18394	TraesCS3D03G1179800	1.43199	0.89052	No	No
18395	TraesCS3D03G1179900	0.65458	1.37477	No	No
18396	TraesCS3D03G1180100	1.21248	2.17139	Up	Up
18397	TraesCS3D03G1180200	0.67256	0.14255	Down	Down
18398	TraesCS3D03G1180400	0.4616	0.83138	Down	Down
18399	TraesCS3D03G1180800	0.36968	5.06886	Down	Up
18400	TraesCS3D03G1182600	0.85446	0.75924	Down	Down
18401	TraesCS3D03G1182700	1.067	2.14373	Up	Up
18403	TraesCS3D03G1183200	0.71735	1.23218	No	No
18404	TraesCS3D03G1183700	0.73241	1.70884	No	No
18405	TraesCS3D03G1184000	0.68055	1.03866	No	No
18406	TraesCS3D03G1184300	0.25434	0.19703	Down	Down
18407	TraesCS3D03G1184800	0.73064	0.91147	Down	Down
18408	TraesCS3D03G1184900	1.023	1.58593	UP	UP
18409	TraesCS3D03G1185100	1.04734	1.10285	UP	UP
18410	TraesCS3D03G1185400	1.2274	2.01824	Up	Up
18411	TraesCS3D03G1186400	0.99971	2.14777	Down	Up
18412	TraesCS3D03G1187900	0.94673	1.91177	No	No
18413	TraesCS3D03G1188700	0.78491	1.27666	No	No
18414	TraesCS3D03G1188800	0.92476	1.06541	No	No
18415	TraesCS3D03G1189900	1.04005	3.23711	Up	Up

18416	TraesCS3D03G1190400	0.95695	3.50051	Down	Up
18417	TraesCS3D03G1192100	3.74482	0.3838	Up	Down
18418	TraesCS3D03G1192600	0.85964	0.14341	Down	Down
18419	TraesCS3D03G1193000	1.04	1.32503	UP	UP
18420	TraesCS3D03G1199700	0.60789	0.79501	Down	Down
18421	TraesCS3D03G1199900	0.87269	0.62589	Down	Down
18422	TraesCS3D03G1200000	1.18739	0.82546	No	No
18423	TraesCS3D03G1200600	1.2043	0.78662	No	No
18425	TraesCS3D03G1201000	0.78206	5.37758	Down	Up
18426	TraesCS3D03G1201500	1.36048	1.65425	UP	UP
18427	TraesCS4A03G0000200	0.95844	1.58439	No	No
18428	TraesCS4A03G0000800	1.24728	0.62832	No	No
18429	TraesCS4A03G0001300	1.14188	0.82727	No	No
18430	TraesCS4A03G0002100	1.13161	0.86394	No	No
18431	TraesCS4A03G0002900	1.19535	0.82362	No	No
18432	TraesCS4A03G0003000	1.16053	1.07523	UP	UP
18433	TraesCS4A03G0003100	1.1591	1.18669	UP	UP
18434	TraesCS4A03G0003200	0.73807	0.89523	Down	Down
18435	TraesCS4A03G0003600	0.96413	2.39901	Down	Up
18436	TraesCS4A03G0004100	0.80692	1.08143	No	No
18437	TraesCS4A03G0004200	0.91136	1.24075	No	No
18438	TraesCS4A03G0005400	0.90629	0.81894	Down	Down
18439	TraesCS4A03G0007300	0.79669	0.98093	Down	Down
18440	TraesCS4A03G0007700	0.79169	0.68728	Down	Down
18441	TraesCS4A03G0008000	0.94572	0.70243	Down	Down
18442	TraesCS4A03G0008600	1.61215	2.58342	Up	Up
18443	TraesCS4A03G0008700	1.15289	0.90394	No	No
18444	TraesCS4A03G0009300	1.79447	2.40433	Up	Up
18445	TraesCS4A03G0010000	0.71234	1.53342	No	No
18446	TraesCS4A03G0010100	0.65377	1.04404	No	No
18447	TraesCS4A03G0010500	1.85367	1.25895	UP	UP
18448	TraesCS4A03G0010500	1.11807	1.12815	UP	UP
18449	TraesCS4A03G0011800	1.55	0.31708	Up	Down
18451	TraesCS4A03G0012400	0.93197	1.54465	No	No
18452	TraesCS4A03G0013700	0.8625	1.89394	No	No
18453	TraesCS4A03G0014400	0.78181	1.10263	No	No
18454	TraesCS4A03G0014800	1.13581	0.99181	No	No
18455	TraesCS4A03G0014800	1.02938	0.67883	No	No
18456	TraesCS4A03G0014800	0.38208	1.1228	Down	Up
18457	TraesCS4A03G0014800	1.50886	1.1374	UP	UP
18458	TraesCS4A03G0015100	0.7843	1.3194	No	No
18459	TraesCS4A03G0015900	1.01756	2.54326	Up	Up
18461	TraesCS4A03G0017700	0.69807	1.13844	No	No
18462	TraesCS4A03G0017900	0.75472	0.45902	Down	Down
18463	TraesCS4A03G0018000	1.06839	0.46026	Up	Down
18464	TraesCS4A03G0018000	0.50957	0.9422	Down	Down
18465	TraesCS4A03G0018400	1.25048	0.93519	No	No
18467	TraesCS4A03G0018700	1.00181	0.95054	No	No
18468	TraesCS4A03G0019600	1.25671	0.44547	Up	Down
18469	TraesCS4A03G0019700	0.97174	1.80329	No	No
18470	TraesCS4A03G0019900	1.33726	0.31277	Up	Down
18471	TraesCS4A03G0020000	1.08375	1.2752	UP	UP

18472	TraesCS4A03G0020300	0.71399	0.86223	Down	Down
18473	TraesCS4A03G0020800	1.07787	0.04348	Up	Down
18474	TraesCS4A03G0021300	1.0851	1.08928	UP	UP
18475	TraesCS4A03G0021400	0.79257	1.13341	No	No
18476	TraesCS4A03G0021500	0.88134	0.91171	Down	Down
18477	TraesCS4A03G0021700	0.96684	0.6445	Down	Down
18479	TraesCS4A03G0022100	1.11929	0.94105	No	No
18480	TraesCS4A03G0022300	0.54684	0.72073	Down	Down
18481	TraesCS4A03G0022400	0.7808	0.94101	Down	Down
18482	TraesCS4A03G0022600	1.21863	1.91585	UP	UP
18483	TraesCS4A03G0023900	1.06322	0.98819	No	No
18484	TraesCS4A03G0024100	1.08731	0.81676	No	No
18485	TraesCS4A03G0024600	1.19982	1.07009	UP	UP
18486	TraesCS4A03G0025900	2.36101	0.42924	Up	Down
18487	TraesCS4A03G0026300	0.94137	1.08907	No	No
18488	TraesCS4A03G0026400	1.92415	0.86027	No	No
18489	TraesCS4A03G0027000	1.27903	2.0233	Up	Up
18490	TraesCS4A03G0027400	0.75492	1.79616	No	No
18491	TraesCS4A03G0028000	0.77397	0.30901	Down	Down
18492	TraesCS4A03G0028100	1.14756	1.85715	UP	UP
18493	TraesCS4A03G0029100	0.88184	3.34275	Down	Up
18494	TraesCS4A03G0029500	1.16653	0.47499	Up	Down
18495	TraesCS4A03G0029600	1.22417	2.84368	Up	Up
18496	TraesCS4A03G0029800	0.72428	0.56644	Down	Down
18497	TraesCS4A03G0030000	0.38708	0.17172	Down	Down
18499	TraesCS4A03G0032100	1.03139	1.75884	UP	UP
18500	TraesCS4A03G0032200	1.09344	0.62305	No	No
18503	TraesCS4A03G0035700	0.73776	1.9318	No	No
18505	TraesCS4A03G0036500	0.67031	0.95032	Down	Down
18506	TraesCS4A03G0039400	0.72829	0.68207	Down	Down
18507	TraesCS4A03G0039800	0.96569	0.64947	Down	Down
18508	TraesCS4A03G0039900	1.21235	0.58995	No	No
18509	TraesCS4A03G0041200	0.49306	1.38056	Down	Up
18510	TraesCS4A03G0041400	0.71785	0.50577	Down	Down
18512	TraesCS4A03G0042100	0.90704	0.90533	Down	Down
18513	TraesCS4A03G0042400	1.12171	0.89791	No	No
18514	TraesCS4A03G0043500	1.01295	1.63779	UP	UP
18515	TraesCS4A03G0045900	1.07723	0.57257	No	No
18516	TraesCS4A03G0046600	1.08032	0.95928	No	No
18518	TraesCS4A03G0047300	1.41122	1.39815	UP	UP
18519	TraesCS4A03G0049100	1.19463	1.05798	UP	UP
18522	TraesCS4A03G0052300	0.97657	1.47096	No	No
18523	TraesCS4A03G0052400	1.15353	1.35925	UP	UP
18524	TraesCS4A03G0052700	0.87974	1.3666	No	No
18525	TraesCS4A03G0053200	1.26843	1.10665	UP	UP
18526	TraesCS4A03G0054000	0.77196	1.20329	No	No
18529	TraesCS4A03G0054600	0.61687	0.71452	Down	Down
18530	TraesCS4A03G0055400	0.85556	1.12162	No	No
18531	TraesCS4A03G0055700	0.65486	0.95665	Down	Down
18532	TraesCS4A03G0056200	0.89275	1.88585	No	No
18533	TraesCS4A03G0057500	0.80307	0.40628	Down	Down
18534	TraesCS4A03G0057600	1.25924	0.44227	Up	Down

18536	TraesCS4A03G0058400	0.77582	1.73545	No	No
18537	TraesCS4A03G0058500	1.01793	2.23043	Up	Up
18538	TraesCS4A03G0059300	2.52073	0.92706	Up	Down
18539	TraesCS4A03G0059300	1.50257	0.49944	Up	Down
18540	TraesCS4A03G0059700	1.20215	0.18442	Up	Down
18541	TraesCS4A03G0059800	0.83939	0.96275	Down	Down
18542	TraesCS4A03G0060100	0.79994	1.73218	No	No
18543	TraesCS4A03G0060200	1.28609	0.92388	No	No
18544	TraesCS4A03G0061600	1.21413	1.43554	UP	UP
18545	TraesCS4A03G0062100	1.49371	0.39541	Up	Down
18547	TraesCS4A03G0063300	1.06846	1.64428	UP	UP
18548	TraesCS4A03G0063400	0.6604	25.6434	Down	Up
18549	TraesCS4A03G0063800	1.15047	10.1577	Up	Up
18550	TraesCS4A03G0065000	1.35268	1.81426	UP	UP
18551	TraesCS4A03G0065000	1.3348	1.1484	UP	UP
18552	TraesCS4A03G0067200	1.05218	1.06419	UP	UP
18553	TraesCS4A03G0067500	0.75528	1.34113	No	No
18554	TraesCS4A03G0067800	0.80846	1.45708	No	No
18555	TraesCS4A03G0067900	0.71745	1.38885	No	No
18556	TraesCS4A03G0068000	0.90381	1.15797	No	No
18557	TraesCS4A03G0068900	0.97501	1.27958	No	No
18558	TraesCS4A03G0069400	1.31935	0.62034	No	No
18559	TraesCS4A03G0069900	1.11282	0.79559	No	No
18560	TraesCS4A03G0070000	0.74557	0.49532	Down	Down
18561	TraesCS4A03G0070100	0.82819	2.13616	Down	Up
18562	TraesCS4A03G0070200	1.35581	2.97405	Up	Up
18563	TraesCS4A03G0070800	1.50663	1.03983	UP	UP
18564	TraesCS4A03G0071000	4.90899	0.20572	Up	Down
18565	TraesCS4A03G0072900	0.89238	1.34411	No	No
18566	TraesCS4A03G0073600	1.05197	1.10228	UP	UP
18567	TraesCS4A03G0074200	1.04583	0.45498	Up	Down
18568	TraesCS4A03G0075100	1.00095	1.02235	UP	UP
18569	TraesCS4A03G0075400	0.68418	2.60363	Down	Up
18570	TraesCS4A03G0078400	0.83855	1.50564	No	No
18571	TraesCS4A03G0078700	0.81758	1.20229	No	No
18572	TraesCS4A03G0078800	0.5077	0.51935	Down	Down
18574	TraesCS4A03G0080300	1.42494	1.29197	UP	UP
18575	TraesCS4A03G0080800	0.76509	1.0455	No	No
18577	TraesCS4A03G0081500	0.96523	2.88987	Down	Up
18578	TraesCS4A03G0081700	1.58595	1.05392	UP	UP
18579	TraesCS4A03G0082700	0.64878	1.45202	No	No
18580	TraesCS4A03G0082900	0.97033	0.68945	Down	Down
18581	TraesCS4A03G0083000	0.85571	0.43204	Down	Down
18582	TraesCS4A03G0083100	0.72406	0.56982	Down	Down
18583	TraesCS4A03G0083200	0.8352	0.53976	Down	Down
18584	TraesCS4A03G0084700	1.61075	0.37289	Up	Down
18585	TraesCS4A03G0084800	0.69807	1.08214	No	No
18586	TraesCS4A03G0084900	0.92801	0.88612	Down	Down
18587	TraesCS4A03G0085900	0.89515	3.16036	Down	Up
18588	TraesCS4A03G0086300	1.05084	0.87688	No	No
18589	TraesCS4A03G0086400	1.25936	1.30637	UP	UP
18590	TraesCS4A03G0086700	0.89582	0.99817	Down	Down

18591	TraesCS4A03G0086800	0.73121	1.22324	No	No
18592	TraesCS4A03G0086900	0.72369	1.1863	No	No
18593	TraesCS4A03G0087000	0.85014	1.02778	No	No
18594	TraesCS4A03G0087100	1.20223	1.95677	UP	UP
18595	TraesCS4A03G0087200	0.99281	0.79988	Down	Down
18597	TraesCS4A03G0087700	0.96484	1.53379	No	No
18598	TraesCS4A03G0087800	0.98046	1.0703	No	No
18599	TraesCS4A03G0087900	0.92554	1.85976	No	No
18600	TraesCS4A03G0088400	1.1029	1.25887	UP	UP
18601	TraesCS4A03G0088500	0.56614	1.39716	No	No
18602	TraesCS4A03G0088700	1.17116	0.96897	No	No
18603	TraesCS4A03G0088800	0.91278	1.37032	No	No
18604	TraesCS4A03G0088900	0.77754	0.96311	Down	Down
18605	TraesCS4A03G0089000	1.38553	1.03108	UP	UP
18607	TraesCS4A03G0090700	2.38752	1.94167	UP	UP
18608	TraesCS4A03G0090700	1.45774	0.62489	No	No
18610	TraesCS4A03G0091000	0.36491	2.06523	Down	Up
18611	TraesCS4A03G0091500	0.97146	1.084	No	No
18612	TraesCS4A03G0091800	1.35384	0.59097	No	No
18613	TraesCS4A03G0092300	0.96843	0.74819	Down	Down
18614	TraesCS4A03G0092700	1.14073	1.08936	UP	UP
18615	TraesCS4A03G0092800	1.45794	1.32314	UP	UP
18616	TraesCS4A03G0093500	0.89401	2.25412	Down	Up
18617	TraesCS4A03G0093900	0.84716	0.9944	Down	Down
18618	TraesCS4A03G0094700	0.8375	0.90531	Down	Down
18619	TraesCS4A03G0095000	0.89951	1.96936	No	No
18620	TraesCS4A03G0095200	1.55869	0.43989	Up	Down
18621	TraesCS4A03G0095500	1.15206	2.02802	Up	Up
18622	TraesCS4A03G0095800	1.00487	1.30326	UP	UP
18623	TraesCS4A03G0095900	1.05446	1.50927	UP	UP
18624	TraesCS4A03G0096000	0.8665	1.10703	No	No
18625	TraesCS4A03G0096200	0.66082	9.29914	Down	Up
18626	TraesCS4A03G0096400	1.02144	1.02585	UP	UP
18627	TraesCS4A03G0096800	1.72804	0.8037	No	No
18628	TraesCS4A03G0098000	0.89585	1.76282	No	No
18629	TraesCS4A03G0098100	1.22451	0.45966	Up	Down
18630	TraesCS4A03G0098800	0.86988	1.65476	No	No
18631	TraesCS4A03G0099100	0.97114	1.5039	No	No
18632	TraesCS4A03G0099500	0.89665	0.57804	Down	Down
18633	TraesCS4A03G0101100	1.0686	1.64216	UP	UP
18634	TraesCS4A03G0101800	1.58341	0.20699	Up	Down
18635	TraesCS4A03G0101900	1.03209	0.62781	No	No
18636	TraesCS4A03G0103800	1.11697	0.23069	Up	Down
18637	TraesCS4A03G0104100	1.04649	0.80358	No	No
18638	TraesCS4A03G0104900	0.99678	0.72564	Down	Down
18639	TraesCS4A03G0105200	1.17007	0.31796	Up	Down
18640	TraesCS4A03G0106200	1.28765	0.934	No	No
18641	TraesCS4A03G0107100	0.83363	1.58785	No	No
18642	TraesCS4A03G0107400	1.13378	2.58855	Up	Up
18643	TraesCS4A03G0107500	0.79743	1.03899	No	No
18644	TraesCS4A03G0108600	0.86161	1.49977	No	No
18645	TraesCS4A03G0109400	0.32193	2.43539	Down	Up

18646	TraesCS4A03G0109900	0.84524	1.01755	No	No
18648	TraesCS4A03G0110700	0.39417	10.2581	Down	Up
18649	TraesCS4A03G0111000	0.75301	0.98519	Down	Down
18650	TraesCS4A03G0111100	0.97854	0.9502	Down	Down
18651	TraesCS4A03G0112000	0.9857	1.09897	No	No
18652	TraesCS4A03G0112300	1.13455	2.40685	Up	Up
18653	TraesCS4A03G0112500	1.26686	1.43721	UP	UP
18654	TraesCS4A03G0112800	1.57716	0.88147	No	No
18655	TraesCS4A03G0112900	0.62501	3.84874	Down	Up
18656	TraesCS4A03G0113700	1.0324	1.07275	UP	UP
18657	TraesCS4A03G0114500	0.63027	1.17095	No	No
18658	TraesCS4A03G0114600	0.38375	8.16049	Down	Up
18659	TraesCS4A03G0117600	0.57799	0.84523	Down	Down
18660	TraesCS4A03G0117700	0.92876	1.23167	No	No
18661	TraesCS4A03G0118200	1.6188	0.54802	No	No
18662	TraesCS4A03G0118200	1.2689	0.61798	No	No
18663	TraesCS4A03G0118400	1.01988	0.38282	Up	Down
18664	TraesCS4A03G0118700	1.21791	0.79609	No	No
18665	TraesCS4A03G0119200	0.97123	1.59058	No	No
18666	TraesCS4A03G0119500	0.91806	1.09543	No	No
18667	TraesCS4A03G0119900	0.87889	0.78822	Down	Down
18668	TraesCS4A03G0120400	3.34732	0.14749	Up	Down
18669	TraesCS4A03G0120600	1.12838	0.63291	No	No
18670	TraesCS4A03G0120700	1.14726	0.65233	No	No
18671	TraesCS4A03G0121400	0.70828	0.78024	Down	Down
18672	TraesCS4A03G0122500	0.86982	1.20262	No	No
18673	TraesCS4A03G0123000	0.24242	9.40355	Down	Up
18674	TraesCS4A03G0123200	0.67751	3.53199	Down	Up
18675	TraesCS4A03G0123400	0.8225	1.98876	No	No
18676	TraesCS4A03G0123600	1.17458	0.69266	No	No
18677	TraesCS4A03G0124400	0.74778	1.94214	No	No
18678	TraesCS4A03G0124800	0.88835	0.83803	Down	Down
18679	TraesCS4A03G0125200	0.84612	0.26732	Down	Down
18680	TraesCS4A03G0125600	1.18178	1.14132	UP	UP
18681	TraesCS4A03G0126000	1.35223	1.10701	UP	UP
18683	TraesCS4A03G0126900	0.65217	1.20631	No	No
18684	TraesCS4A03G0127200	0.86924	0.26157	Down	Down
18685	TraesCS4A03G0127300	0.83299	0.39682	Down	Down
18687	TraesCS4A03G0129000	0.36956	0.46241	Down	Down
18688	TraesCS4A03G0130700	0.73235	0.47343	Down	Down
18689	TraesCS4A03G0131200	0.63362	0.76491	Down	Down
18690	TraesCS4A03G0131300	0.69625	1.82711	No	No
18691	TraesCS4A03G0131400	1.13833	0.57709	No	No
18692	TraesCS4A03G0132000	0.6739	0.93882	Down	Down
18693	TraesCS4A03G0132200	1.14249	0.52745	No	No
18694	TraesCS4A03G0132400	1.46036	0.79397	No	No
18695	TraesCS4A03G0132800	0.79027	1.89498	No	No
18696	TraesCS4A03G0133700	0.85201	2.22758	Down	Up
18699	TraesCS4A03G0136500	1.13857	0.29693	Up	Down
18700	TraesCS4A03G0136500	1.96076	1.06784	UP	UP
18701	TraesCS4A03G0136800	0.48608	1.9874	Down	Up
18702	TraesCS4A03G0136900	0.89007	1.71876	No	No

18704	TraesCS4A03G0141900	2.94866	1.51222	Up	Up
18705	TraesCS4A03G0142800	1.35931	0.92681	No	No
18706	TraesCS4A03G0143000	1.02503	1.25878	UP	UP
18707	TraesCS4A03G0143100	0.73506	1.26655	No	No
18708	TraesCS4A03G0143100	0.84778	1.40068	No	No
18709	TraesCS4A03G0143200	1.20209	2.28761	Up	Up
18710	TraesCS4A03G0143400	1.1439	1.36145	UP	UP
18711	TraesCS4A03G0143400	0.77106	1.10085	No	No
18712	TraesCS4A03G0143700	0.98748	1.49164	No	No
18713	TraesCS4A03G0144600	0.68483	1.91403	No	No
18714	TraesCS4A03G0145100	1.21054	0.33469	Up	Down
18715	TraesCS4A03G0145200	0.59978	0.62494	Down	Down
18716	TraesCS4A03G0146000	1.22378	1.08727	UP	UP
18717	TraesCS4A03G0146100	0.58283	1.06749	No	No
18718	TraesCS4A03G0146700	0.80053	1.12668	No	No
18719	TraesCS4A03G0147100	0.99323	2.88923	Down	Up
18720	TraesCS4A03G0147800	0.95319	3.0974	Down	Up
18722	TraesCS4A03G0148200	0.79208	1.47385	No	No
18723	TraesCS4A03G0148600	1.10181	0.98082	No	No
18724	TraesCS4A03G0148700	1.5232	0.79614	No	No
18725	TraesCS4A03G0148800	0.86111	1.49102	No	No
18726	TraesCS4A03G0149400	1.34032	0.53462	No	No
18728	TraesCS4A03G0149600	0.87252	1.0439	No	No
18730	TraesCS4A03G0151600	0.91996	1.22388	No	No
18731	TraesCS4A03G0151700	0.77478	2.14423	Down	Up
18732	TraesCS4A03G0152800	1.20989	1.20566	UP	UP
18733	TraesCS4A03G0154200	1.11262	0.88722	No	No
18734	TraesCS4A03G0154400	1.07665	7.93798	Up	Up
18735	TraesCS4A03G0154700	0.74498	1.0117	No	No
18736	TraesCS4A03G0155200	0.76322	1.5381	No	No
18737	TraesCS4A03G0155600	0.70561	1.53186	No	No
18738	TraesCS4A03G0155800	2.87298	0.16057	Up	Down
18739	TraesCS4A03G0156000	1.08337	0.98808	No	No
18740	TraesCS4A03G0156200	0.86007	0.76839	Down	Down
18741	TraesCS4A03G0157000	0.78991	1.04077	No	No
18744	TraesCS4A03G0159600	0.8994	1.45289	No	No
18745	TraesCS4A03G0160800	0.65894	1.19259	No	No
18746	TraesCS4A03G0161300	0.96808	0.83557	Down	Down
18747	TraesCS4A03G0162300	0.99301	0.84236	Down	Down
18748	TraesCS4A03G0162600	0.82117	0.9584	Down	Down
18749	TraesCS4A03G0162700	0.96716	2.92815	Down	Up
18750	TraesCS4A03G0162800	0.99165	0.91048	Down	Down
18751	TraesCS4A03G0163000	1.05191	0.7661	No	No
18752	TraesCS4A03G0163100	0.96255	0.89073	Down	Down
18753	TraesCS4A03G0163400	0.8529	1.5323	No	No
18754	TraesCS4A03G0163700	0.78831	0.64555	Down	Down
18756	TraesCS4A03G0163900	1.37236	0.61752	No	No
18757	TraesCS4A03G0164000	0.99284	0.53013	Down	Down
18758	TraesCS4A03G0164000	1.42726	0.47195	Up	Down
18759	TraesCS4A03G0164800	0.95655	0.19527	Down	Down
18760	TraesCS4A03G0164900	1.27333	0.58355	No	No
18761	TraesCS4A03G0165200	0.94364	1.01285	No	No

18762	TraesCS4A03G0166400	0.83238	2.64804	Down	Up
18763	TraesCS4A03G0167600	0.69226	3.15022	Down	Up
18764	TraesCS4A03G0167800	0.85461	1.16235	No	No
18765	TraesCS4A03G0167900	0.90331	1.49735	No	No
18766	TraesCS4A03G0168700	0.75529	2.38538	Down	Up
18767	TraesCS4A03G0169200	1.23392	0.16688	Up	Down
18768	TraesCS4A03G0169500	1.02672	1.59108	UP	UP
18769	TraesCS4A03G0169600	0.67514	1.12524	No	No
18770	TraesCS4A03G0169700	0.8906	2.21636	Down	Up
18771	TraesCS4A03G0169800	0.98468	0.58812	Down	Down
18773	TraesCS4A03G0170100	1.30268	1.20335	UP	UP
18776	TraesCS4A03G0170600	0.62574	2.06616	Down	Up
18777	TraesCS4A03G0171800	1.18259	1.05291	UP	UP
18778	TraesCS4A03G0171900	1.01116	1.55797	UP	UP
18779	TraesCS4A03G0172400	1.44167	0.65055	No	No
18780	TraesCS4A03G0172700	0.78495	1.0823	No	No
18781	TraesCS4A03G0172800	0.60224	0.39747	Down	Down
18782	TraesCS4A03G0174300	0.92605	2.807	Down	Up
18788	TraesCS4A03G0176800	1.04101	1.32412	UP	UP
18789	TraesCS4A03G0177300	0.82502	1.74703	No	No
18790	TraesCS4A03G0178300	0.96973	0.93459	Down	Down
18792	TraesCS4A03G0178800	0.78776	0.92598	Down	Down
18793	TraesCS4A03G0180000	1.1888	2.24345	Up	Up
18794	TraesCS4A03G0180100	0.86353	1.37039	No	No
18795	TraesCS4A03G0180400	0.92633	1.0378	No	No
18796	TraesCS4A03G0181100	1.05087	1.57125	UP	UP
18797	TraesCS4A03G0181700	1.05757	0.50805	No	No
18798	TraesCS4A03G0181800	0.90561	0.82581	Down	Down
18799	TraesCS4A03G0183000	0.65572	2.96741	Down	Up
18800	TraesCS4A03G0183100	0.88727	1.01496	No	No
18801	TraesCS4A03G0183500	1.03493	1.18215	UP	UP
18802	TraesCS4A03G0184300	0.74234	3.17852	Down	Up
18803	TraesCS4A03G0184500	1.02047	2.02303	Up	Up
18804	TraesCS4A03G0185000	0.79987	1.24844	No	No
18805	TraesCS4A03G0186200	0.69751	1.39841	No	No
18806	TraesCS4A03G0186300	1.40378	0.38379	Up	Down
18807	TraesCS4A03G0186600	0.95589	1.19477	No	No
18808	TraesCS4A03G0186800	0.72712	0.61073	Down	Down
18809	TraesCS4A03G0186900	1.1475	0.77499	No	No
18810	TraesCS4A03G0187000	0.6674	0.53878	Down	Down
18811	TraesCS4A03G0187000	1.14915	0.50389	No	No
18814	TraesCS4A03G0188400	1.07989	0.29036	Up	Down
18815	TraesCS4A03G0188700	1.20397	0.68599	No	No
18817	TraesCS4A03G0188900	0.96264	1.66524	No	No
18818	TraesCS4A03G0189100	0.73725	0.80109	Down	Down
18819	TraesCS4A03G0189400	0.60714	2.45318	Down	Up
18820	TraesCS4A03G0190000	1.20208	2.4672	Up	Up
18821	TraesCS4A03G0190100	0.88516	1.28004	No	No
18822	TraesCS4A03G0190200	1.60938	0.87921	No	No
18824	TraesCS4A03G0191300	0.99979	0.44829	Down	Down
18826	TraesCS4A03G0192000	0.86593	0.95633	Down	Down
18827	TraesCS4A03G0192300	0.90616	0.62987	Down	Down

18828	TraesCS4A03G0192400	1.06186	2.42411	Up	Up
18829	TraesCS4A03G0192500	0.83436	0.83078	Down	Down
18830	TraesCS4A03G0192500	1.27593	1.13754	UP	UP
18831	TraesCS4A03G0192600	0.84572	0.33154	Down	Down
18832	TraesCS4A03G0192700	0.78872	2.46117	Down	Up
18833	TraesCS4A03G0193400	0.58749	0.11828	Down	Down
18834	TraesCS4A03G0193600	0.97977	0.57666	Down	Down
18836	TraesCS4A03G0193900	0.82222	1.41184	No	No
18837	TraesCS4A03G0194700	0.86858	0.47495	Down	Down
18838	TraesCS4A03G0195200	1.87691	0.6236	No	No
18839	TraesCS4A03G0195300	1.3808	1.34006	UP	UP
18840	TraesCS4A03G0195300	0.70553	0.43842	Down	Down
18841	TraesCS4A03G0195500	0.83275	2.43725	Down	Up
18842	TraesCS4A03G0195600	1.10284	1.26026	UP	UP
18843	TraesCS4A03G0195900	0.95144	0.29213	Down	Down
18844	TraesCS4A03G0196100	0.65254	0.96987	Down	Down
18845	TraesCS4A03G0196600	0.70198	0.53717	Down	Down
18846	TraesCS4A03G0196800	0.94086	2.41958	Down	Up
18847	TraesCS4A03G0197400	1.11291	0.79689	No	No
18848	TraesCS4A03G0197900	1.43511	0.49765	Up	Down
18849	TraesCS4A03G0198000	0.84115	0.9971	Down	Down
18850	TraesCS4A03G0198300	0.86123	0.17378	Down	Down
18851	TraesCS4A03G0198500	1.65781	14.6306	Up	Up
18852	TraesCS4A03G0198900	0.89878	1.67615	No	No
18853	TraesCS4A03G0199100	1.22348	1.06674	UP	UP
18854	TraesCS4A03G0200400	0.86061	0.62902	Down	Down
18855	TraesCS4A03G0200500	0.82878	1.94131	No	No
18856	TraesCS4A03G0200800	1.26381	1.44966	UP	UP
18857	TraesCS4A03G0200800	1.14959	4.1436	Up	Up
18858	TraesCS4A03G0200900	1.08946	1.0822	UP	UP
18859	TraesCS4A03G0201900	1.25004	1.03692	UP	UP
18860	TraesCS4A03G0202400	0.77066	0.64242	Down	Down
18862	TraesCS4A03G0203400	1.12843	2.5503	Up	Up
18863	TraesCS4A03G0203700	0.91761	0.57438	Down	Down
18864	TraesCS4A03G0204200	1.001	8.71957	Up	Up
18865	TraesCS4A03G0204700	0.71615	2.58201	Down	Up
18867	TraesCS4A03G0204900	0.87853	5.59511	Down	Up
18868	TraesCS4A03G0205200	1.13152	1.0634	UP	UP
18869	TraesCS4A03G0205300	1.09964	1.8348	UP	UP
18871	TraesCS4A03G0206100	0.63938	1.25693	No	No
18872	TraesCS4A03G0206400	0.99789	0.44464	Down	Down
18873	TraesCS4A03G0206500	0.60016	0.55297	Down	Down
18874	TraesCS4A03G0206600	1.05342	0.87946	No	No
18875	TraesCS4A03G0207100	1.43322	1.51117	UP	UP
18876	TraesCS4A03G0207600	0.81746	0.30769	Down	Down
18877	TraesCS4A03G0208600	0.6827	0.91202	Down	Down
18878	TraesCS4A03G0208700	1.94606	0.39281	Up	Down
18879	TraesCS4A03G0208700	1.04933	0.26472	Up	Down
18880	TraesCS4A03G0208800	1.18883	1.41284	UP	UP
18881	TraesCS4A03G0209200	0.76967	3.49463	Down	Up
18882	TraesCS4A03G0209400	1.08008	1.86349	UP	UP
18883	TraesCS4A03G0209700	0.7397	1.17879	No	No

18884	TraesCS4A03G0210700	1.08839	2.82233	Up	Up
18885	TraesCS4A03G0210700	0.8488	0.20874	Down	Down
18886	TraesCS4A03G0211000	0.941	1.66334	No	No
18887	TraesCS4A03G0211300	0.88223	1.57862	No	No
18888	TraesCS4A03G0211800	1.15896	0.85987	No	No
18889	TraesCS4A03G0211900	0.87723	0.83272	Down	Down
18890	TraesCS4A03G0212400	1.21315	2.1256	Up	Up
18891	TraesCS4A03G0212400	0.98683	2.66576	Down	Up
18892	TraesCS4A03G0212700	1.03604	1.71393	UP	UP
18893	TraesCS4A03G0212800	1.81268	2.47272	Up	Up
18894	TraesCS4A03G0212900	0.57681	2.05556	Down	Up
18895	TraesCS4A03G0214400	6.8011	1.29168	Up	Up
18896	TraesCS4A03G0214700	0.73149	1.35739	No	No
18897	TraesCS4A03G0215000	1.02432	0.86972	No	No
18898	TraesCS4A03G0215200	1.11796	1.37189	UP	UP
18899	TraesCS4A03G0215200	0.79908	0.96144	Down	Down
18900	TraesCS4A03G0215400	1.19623	1.3245	UP	UP
18901	TraesCS4A03G0215700	1.90218	0.68397	No	No
18903	TraesCS4A03G0216000	1.03646	0.5734	No	No
18904	TraesCS4A03G0216300	1.32009	0.44928	Up	Down
18905	TraesCS4A03G0216500	1.34707	1.1939	UP	UP
18906	TraesCS4A03G0216900	1.74883	0.48572	Up	Down
18907	TraesCS4A03G0216900	1.34842	0.46944	Up	Down
18908	TraesCS4A03G0217100	0.71156	2.93438	Down	Up
18910	TraesCS4A03G0218000	0.67435	5.47363	Down	Up
18911	TraesCS4A03G0218300	0.89567	7.80448	Down	Up
18912	TraesCS4A03G0218500	1.04182	0.91523	No	No
18913	TraesCS4A03G0218900	0.87879	4.29065	Down	Up
18916	TraesCS4A03G0220300	0.7768	5.69057	Down	Up
18917	TraesCS4A03G0220600	1.16001	0.7122	No	No
18919	TraesCS4A03G0222100	0.85395	0.89572	Down	Down
18920	TraesCS4A03G0222400	0.65906	1.53058	No	No
18921	TraesCS4A03G0222700	1.02751	1.70888	UP	UP
18922	TraesCS4A03G0223100	1.33879	0.70153	No	No
18923	TraesCS4A03G0223300	0.92985	0.98081	Down	Down
18924	TraesCS4A03G0223800	0.71308	1.5374	No	No
18926	TraesCS4A03G0224700	1.0983	1.46672	UP	UP
18927	TraesCS4A03G0224800	0.79324	2.80765	Down	Up
18928	TraesCS4A03G0225600	1.12429	0.5489	No	No
18929	TraesCS4A03G0226500	0.48864	5.12279	Down	Up
18930	TraesCS4A03G0226800	1.16407	2.37997	Up	Up
18931	TraesCS4A03G0226800	0.81186	1.1454	No	No
18932	TraesCS4A03G0227600	1.05345	4.89121	Up	Up
18933	TraesCS4A03G0227900	1.31812	0.74214	No	No
18934	TraesCS4A03G0228300	1.02067	1.52314	UP	UP
18935	TraesCS4A03G0229200	1.07942	0.3556	Up	Down
18936	TraesCS4A03G0229300	0.67541	0.58647	Down	Down
18937	TraesCS4A03G0229400	0.49211	1.66026	Down	Up
18938	TraesCS4A03G0229600	1.04195	1.33353	UP	UP
18939	TraesCS4A03G0230200	1.38725	0.30087	Up	Down
18940	TraesCS4A03G0230700	0.59501	1.14739	No	No
18942	TraesCS4A03G0231100	1.26699	1.74296	UP	UP

18943	TraesCS4A03G0232200	1.32693	1.05887	UP	UP
18944	TraesCS4A03G0232700	0.88243	1.51024	No	No
18945	TraesCS4A03G0232900	0.82983	1.55284	No	No
18946	TraesCS4A03G0233000	0.80246	1.21647	No	No
18948	TraesCS4A03G0233800	1.08307	0.9469	No	No
18949	TraesCS4A03G0234300	0.68967	7.17852	Down	Up
18950	TraesCS4A03G0234400	0.62399	1.41758	No	No
18951	TraesCS4A03G0234500	1.07333	0.80272	No	No
18952	TraesCS4A03G0235600	1.23332	1.54029	UP	UP
18953	TraesCS4A03G0235700	0.85817	0.98971	Down	Down
18954	TraesCS4A03G0236000	0.88537	0.95245	Down	Down
18955	TraesCS4A03G0236200	0.74471	0.91971	Down	Down
18956	TraesCS4A03G0237100	0.6494	3.77386	Down	Up
18958	TraesCS4A03G0237900	0.86627	1.25499	No	No
18959	TraesCS4A03G0238300	0.9968	1.63838	No	No
18962	TraesCS4A03G0238600	0.60782	0.65882	Down	Down
18964	TraesCS4A03G0239500	0.55748	0.90512	Down	Down
18966	TraesCS4A03G0241500	1.30388	0.81829	No	No
18967	TraesCS4A03G0242200	1.35595	1.24864	UP	UP
18968	TraesCS4A03G0242300	0.77954	3.51811	Down	Up
18969	TraesCS4A03G0243000	1.16385	1.56263	UP	UP
18970	TraesCS4A03G0243200	1.30098	0.81739	No	No
18971	TraesCS4A03G0244900	1.10955	0.58032	No	No
18972	TraesCS4A03G0245000	2.21447	0.83374	Up	Down
18973	TraesCS4A03G0246000	1.06366	2.34203	Up	Up
18974	TraesCS4A03G0246900	1.50343	1.5958	UP	UP
18977	TraesCS4A03G0248100	0.96382	0.58416	Down	Down
18980	TraesCS4A03G0248900	0.8516	3.92401	Down	Up
18981	TraesCS4A03G0249000	1.08032	1.03536	UP	UP
18982	TraesCS4A03G0249300	1.38483	1.89454	UP	UP
18983	TraesCS4A03G0249600	0.81894	0.59855	Down	Down
18984	TraesCS4A03G0249700	0.83773	1.45593	No	No
18985	TraesCS4A03G0249800	0.87872	0.86619	Down	Down
18986	TraesCS4A03G0250200	0.92796	1.37137	No	No
18987	TraesCS4A03G0251200	1.19503	0.54335	No	No
18988	TraesCS4A03G0251400	0.89385	1.75586	No	No
18989	TraesCS4A03G0253100	1.13203	1.24511	UP	UP
18990	TraesCS4A03G0253600	1.04593	1.82832	UP	UP
18991	TraesCS4A03G0254600	1.94069	1.57617	UP	UP
18992	TraesCS4A03G0255400	1.16173	0.52661	No	No
18993	TraesCS4A03G0256900	0.85105	1.55733	No	No
18994	TraesCS4A03G0257100	0.7091	1.46966	No	No
18995	TraesCS4A03G0257900	0.65825	0.96614	Down	Down
18996	TraesCS4A03G0258000	0.9962	0.72245	Down	Down
18997	TraesCS4A03G0258100	2.61831	0.74745	Up	Down
18998	TraesCS4A03G0258100	0.61312	1.10706	No	No
18999	TraesCS4A03G0258300	1.11518	0.9641	No	No
19000	TraesCS4A03G0258300	0.75079	1.59808	No	No
19001	TraesCS4A03G0258800	0.91942	0.81357	Down	Down
19002	TraesCS4A03G0260000	0.97412	0.58505	Down	Down
19003	TraesCS4A03G0261100	0.88427	0.5563	Down	Down
19004	TraesCS4A03G0261200	0.97716	0.63969	Down	Down

19005	TraesCS4A03G0261800	1.37932	1.93988	UP	UP
19006	TraesCS4A03G0261900	1.24943	0.6568	No	No
19007	TraesCS4A03G0262100	0.99142	1.07765	No	No
19012	TraesCS4A03G0264200	1.4558	1.49641	UP	UP
19013	TraesCS4A03G0265000	0.69392	3.65544	Down	Up
19014	TraesCS4A03G0265700	0.93957	1.6665	No	No
19015	TraesCS4A03G0266500	0.85169	1.77298	No	No
19016	TraesCS4A03G0266600	2.50653	0.38745	Up	Down
19017	TraesCS4A03G0266800	1.28489	1.40776	UP	UP
19018	TraesCS4A03G0266900	0.65006	1.32049	No	No
19020	TraesCS4A03G0268800	0.6396	1.34731	No	No
19021	TraesCS4A03G0268900	0.839	1.17612	No	No
19022	TraesCS4A03G0270400	1.66723	1.35968	UP	UP
19023	TraesCS4A03G0271000	0.92173	1.18268	No	No
19024	TraesCS4A03G0271600	0.91847	0.90593	Down	Down
19025	TraesCS4A03G0271800	1.07576	0.8623	No	No
19026	TraesCS4A03G0272200	0.9863	0.64092	Down	Down
19027	TraesCS4A03G0272300	0.84389	0.41089	Down	Down
19028	TraesCS4A03G0272700	1.08956	0.89133	No	No
19029	TraesCS4A03G0272700	0.83598	1.85829	No	No
19030	TraesCS4A03G0273500	0.8801	1.53477	No	No
19032	TraesCS4A03G0274300	0.89073	0.76453	Down	Down
19033	TraesCS4A03G0275200	0.71564	1.21367	No	No
19034	TraesCS4A03G0275500	0.61748	1.55727	No	No
19035	TraesCS4A03G0275600	0.63074	2.00257	Down	Up
19036	TraesCS4A03G0276200	0.89752	2.111	Down	Up
19037	TraesCS4A03G0276500	1.39581	2.26774	Up	Up
19038	TraesCS4A03G0276700	1.24111	0.55568	No	No
19039	TraesCS4A03G0277300	0.67678	1.06775	No	No
19040	TraesCS4A03G0277700	0.46648	0.3187	Down	Down
19041	TraesCS4A03G0278400	1.03723	0.64776	No	No
19042	TraesCS4A03G0279300	1.50515	0.97415	No	No
19043	TraesCS4A03G0279600	0.87975	1.75531	No	No
19044	TraesCS4A03G0280400	0.71447	2.62243	Down	Up
19045	TraesCS4A03G0280500	1.10965	1.9296	UP	UP
19046	TraesCS4A03G0281100	1.02618	2.28717	Up	Up
19047	TraesCS4A03G0282900	0.82581	0.4775	Down	Down
19048	TraesCS4A03G0282900	1.21941	0.35512	Up	Down
19049	TraesCS4A03G0283000	0.57847	10.2487	Down	Up
19050	TraesCS4A03G0283400	0.96003	2.39385	Down	Up
19051	TraesCS4A03G0283500	1.52701	0.54129	No	No
19054	TraesCS4A03G0284300	0.96865	1.2291	No	No
19055	TraesCS4A03G0284900	1.61958	1.15218	UP	UP
19056	TraesCS4A03G0284900	0.41181	0.43561	Down	Down
19057	TraesCS4A03G0285600	0.8287	0.83409	Down	Down
19058	TraesCS4A03G0286600	0.85825	0.95631	Down	Down
19059	TraesCS4A03G0287600	0.8192	0.90269	Down	Down
19060	TraesCS4A03G0287700	1.27494	1.81557	UP	UP
19061	TraesCS4A03G0288100	0.95848	0.94066	Down	Down
19062	TraesCS4A03G0288200	0.85197	0.36547	Down	Down
19063	TraesCS4A03G0288900	1.17992	0.71115	No	No
19064	TraesCS4A03G0289000	1.50174	0.46634	Up	Down

19065	TraesCS4A03G0289200	0.64699	2.3783	Down	Up
19066	TraesCS4A03G0290000	1.08137	0.6958	No	No
19067	TraesCS4A03G0290100	0.69036	0.9158	Down	Down
19068	TraesCS4A03G0290300	0.68802	1.61857	No	No
19070	TraesCS4A03G0291400	0.8567	0.3013	Down	Down
19072	TraesCS4A03G0292700	0.97657	1.73911	No	No
19073	TraesCS4A03G0292900	1.30235	1.46456	UP	UP
19074	TraesCS4A03G0293000	1.0034	2.76254	Up	Up
19075	TraesCS4A03G0294200	1.10691	0.91472	No	No
19076	TraesCS4A03G0294300	0.92372	0.8709	Down	Down
19077	TraesCS4A03G0294900	0.76728	0.87705	Down	Down
19078	TraesCS4A03G0295600	1.03537	1.09122	UP	UP
19080	TraesCS4A03G0296800	0.84773	0.58499	Down	Down
19081	TraesCS4A03G0297000	0.99178	1.69117	No	No
19082	TraesCS4A03G0297400	1.46924	0.92833	No	No
19084	TraesCS4A03G0298300	1.39098	0.94558	No	No
19089	TraesCS4A03G0301800	0.73095	1.4501	No	No
19090	TraesCS4A03G0303400	1.16053	1.59273	UP	UP
19091	TraesCS4A03G0305400	0.82379	1.00399	No	No
19097	TraesCS4A03G0308200	1.14439	1.15806	UP	UP
19098	TraesCS4A03G0308700	0.85503	1.42612	No	No
19099	TraesCS4A03G0309100	0.83221	0.46285	Down	Down
19100	TraesCS4A03G0309100	0.78561	0.70787	Down	Down
19101	TraesCS4A03G0309100	1.52643	0.76053	No	No
19102	TraesCS4A03G0309400	0.98267	0.77915	Down	Down
19103	TraesCS4A03G0309800	1.7822	0.59514	No	No
19105	TraesCS4A03G0310900	0.8918	1.31163	No	No
19106	TraesCS4A03G0311500	1.22976	0.42794	Up	Down
19108	TraesCS4A03G0312600	1.14908	0.19509	Up	Down
19109	TraesCS4A03G0312700	1.18125	0.86198	No	No
19110	TraesCS4A03G0313000	0.98398	0.31083	Down	Down
19113	TraesCS4A03G0314500	1.39642	0.41118	Up	Down
19114	TraesCS4A03G0315100	1.06444	1.00496	UP	UP
19115	TraesCS4A03G0317200	0.78149	1.49593	No	No
19116	TraesCS4A03G0319100	1.06419	0.52334	No	No
19117	TraesCS4A03G0319600	1.32483	1.19333	UP	UP
19118	TraesCS4A03G0319700	0.8924	0.88122	Down	Down
19120	TraesCS4A03G0321400	0.93717	1.7953	No	No
19122	TraesCS4A03G0322200	1.39827	1.68629	UP	UP
19123	TraesCS4A03G0322500	0.95328	1.59699	No	No
19124	TraesCS4A03G0323800	0.97413	1.08323	No	No
19125	TraesCS4A03G0324600	1.31204	1.03993	UP	UP
19126	TraesCS4A03G0325700	1.07063	0.5192	No	No
19127	TraesCS4A03G0326000	1.66179	1.24762	UP	UP
19129	TraesCS4A03G0327600	1.00835	1.32906	UP	UP
19131	TraesCS4A03G0329200	1.33122	1.31994	UP	UP
19133	TraesCS4A03G0331100	1.20847	0.96271	No	No
19134	TraesCS4A03G0332200	0.99006	0.56535	Down	Down
19135	TraesCS4A03G0336100	0.95495	0.61058	Down	Down
19136	TraesCS4A03G0337400	1.31618	0.84321	No	No
19137	TraesCS4A03G0338500	0.97583	1.25999	No	No
19138	TraesCS4A03G0339900	1.14016	0.85041	No	No

19141	TraesCS4A03G0342900	0.89528	0.93717	Down	Down
19143	TraesCS4A03G0343800	0.79891	0.86565	Down	Down
19145	TraesCS4A03G0345600	1.408	1.37131	UP	UP
19146	TraesCS4A03G0348000	1.1173	1.14677	UP	UP
19147	TraesCS4A03G0348100	0.90905	1.92305	No	No
19152	TraesCS4A03G0348800	0.86228	2.06092	Down	Up
19154	TraesCS4A03G0350000	1.10757	0.23933	Up	Down
19156	TraesCS4A03G0350600	1.00672	0.90682	No	No
19158	TraesCS4A03G0351600	0.84126	0.74544	Down	Down
19159	TraesCS4A03G0352100	0.92477	0.1214	Down	Down
19160	TraesCS4A03G0352100	0.91965	1.15531	No	No
19161	TraesCS4A03G0352400	0.76581	1.05659	No	No
19162	TraesCS4A03G0352800	0.72269	0.77826	Down	Down
19163	TraesCS4A03G0357200	1.14045	0.5265	No	No
19164	TraesCS4A03G0357800	0.97958	0.96824	Down	Down
19165	TraesCS4A03G0358200	1.0086	1.76285	UP	UP
19166	TraesCS4A03G0358500	1.02186	0.87241	No	No
19167	TraesCS4A03G0359800	0.98263	0.76051	Down	Down
19168	TraesCS4A03G0360100	0.95654	0.61122	Down	Down
19169	TraesCS4A03G0360800	1.19617	1.2598	UP	UP
19170	TraesCS4A03G0360900	1.13732	0.99125	No	No
19171	TraesCS4A03G0360900	1.28559	0.95046	No	No
19172	TraesCS4A03G0362300	0.96688	2.67816	Down	Up
19173	TraesCS4A03G0362300	1.21642	0.30019	Up	Down
19174	TraesCS4A03G0363100	0.62453	0.91508	Down	Down
19176	TraesCS4A03G0363700	1.17189	0.61302	No	No
19177	TraesCS4A03G0364100	1.07682	0.89985	No	No
19178	TraesCS4A03G0364500	1.31527	0.79226	No	No
19179	TraesCS4A03G0365100	0.86619	0.60293	Down	Down
19180	TraesCS4A03G0366600	1.27728	1.43261	UP	UP
19181	TraesCS4A03G0369100	2.49267	0.16728	Up	Down
19183	TraesCS4A03G0371100	1.16464	0.82579	No	No
19184	TraesCS4A03G0371400	1.4462	1.12104	UP	UP
19185	TraesCS4A03G0371600	1.54348	0.6028	No	No
19188	TraesCS4A03G0372800	1.37349	0.95026	No	No
19189	TraesCS4A03G0373200	0.89113	0.97522	Down	Down
19190	TraesCS4A03G0374900	0.71029	1.85438	No	No
19191	TraesCS4A03G0375100	1.47204	1.97904	UP	UP
19192	TraesCS4A03G0375900	1.07242	1.3429	UP	UP
19193	TraesCS4A03G0377400	0.91402	1.5924	No	No
19194	TraesCS4A03G0378200	0.69708	0.94592	Down	Down
19195	TraesCS4A03G0378200	1.18253	1.46575	UP	UP
19197	TraesCS4A03G0378800	1.28168	1.33607	UP	UP
19198	TraesCS4A03G0379600	1.00691	1.84607	UP	UP
19199	TraesCS4A03G0380000	0.80911	0.59232	Down	Down
19200	TraesCS4A03G0381500	0.99343	1.4413	No	No
19203	TraesCS4A03G0383000	0.80913	1.41832	No	No
19204	TraesCS4A03G0390200	0.70955	1.06784	No	No
19206	TraesCS4A03G0397400	1.04905	0.79376	No	No
19210	TraesCS4A03G0399300	1.17742	0.76924	No	No
19212	TraesCS4A03G0400100	0.86813	2.41246	Down	Up
19214	TraesCS4A03G0401300	1.33199	0.98026	No	No

19215	TraesCS4A03G0402600	1.0971	1.34184	UP	UP
19216	TraesCS4A03G0402800	1.40758	0.84815	No	No
19217	TraesCS4A03G0404300	0.90806	0.85379	Down	Down
19219	TraesCS4A03G0406500	1.21747	1.13721	UP	UP
19221	TraesCS4A03G0407700	1.56043	0.49271	Up	Down
19222	TraesCS4A03G0408100	0.9192	1.06071	No	No
19223	TraesCS4A03G0408700	0.95117	1.13072	No	No
19224	TraesCS4A03G0410400	1.07174	0.84793	No	No
19226	TraesCS4A03G0411400	1.04993	1.07977	UP	UP
19227	TraesCS4A03G0412300	1.42362	0.71162	No	No
19228	TraesCS4A03G0412400	0.87039	1.58552	No	No
19230	TraesCS4A03G0414900	1.10117	1.36924	UP	UP
19231	TraesCS4A03G0418500	1.20921	1.17481	UP	UP
19232	TraesCS4A03G0419100	1.05925	0.88162	No	No
19234	TraesCS4A03G0420400	1.27394	0.25551	Up	Down
19235	TraesCS4A03G0420800	1.01467	1.29036	UP	UP
19237	TraesCS4A03G0421400	1.0082	1.05078	UP	UP
19238	TraesCS4A03G0422000	1.15633	0.75825	No	No
19239	TraesCS4A03G0423200	1.28925	1.18179	UP	UP
19242	TraesCS4A03G0424600	1.10366	0.87956	No	No
19244	TraesCS4A03G0426400	1.2164	1.01904	UP	UP
19245	TraesCS4A03G0427800	1.28016	1.11517	UP	UP
19246	TraesCS4A03G0428400	0.64565	1.35438	No	No
19248	TraesCS4A03G0430200	1.00147	0.85685	No	No
19251	TraesCS4A03G0431300	1.20689	1.31339	UP	UP
19252	TraesCS4A03G0432800	1.38216	1.50016	UP	UP
19254	TraesCS4A03G0433800	1.18957	0.63666	No	No
19255	TraesCS4A03G0434500	0.77975	1.11493	No	No
19256	TraesCS4A03G0435800	0.92684	1.85113	No	No
19257	TraesCS4A03G0436700	1.2081	0.84543	No	No
19258	TraesCS4A03G0437300	0.66593	1.68535	No	No
19260	TraesCS4A03G0438100	0.89724	0.64298	Down	Down
19261	TraesCS4A03G0439500	0.82405	1.22075	No	No
19262	TraesCS4A03G0439500	0.98654	1.09576	No	No
19263	TraesCS4A03G0439900	1.19566	1.5087	UP	UP
19265	TraesCS4A03G0441200	1.06765	0.55898	No	No
19266	TraesCS4A03G0442400	0.90175	1.68773	No	No
19268	TraesCS4A03G0445200	1.04448	0.87267	No	No
19270	TraesCS4A03G0446700	1.90635	3.34415	Up	Up
19271	TraesCS4A03G0446900	0.44102	0.41544	Down	Down
19272	TraesCS4A03G0448700	0.67437	0.78934	Down	Down
19273	TraesCS4A03G0451000	1.13188	5.08295	Up	Up
19274	TraesCS4A03G0451500	0.56958	3.2497	Down	Up
19275	TraesCS4A03G0451700	0.94493	0.46418	Down	Down
19276	TraesCS4A03G0451700	0.53407	0.41972	Down	Down
19277	TraesCS4A03G0453200	1.3514	1.09667	UP	UP
19280	TraesCS4A03G0453600	1.01927	2.13595	Up	Up
19281	TraesCS4A03G0454000	0.64012	1.7248	No	No
19282	TraesCS4A03G0454500	1.04033	0.86064	No	No
19283	TraesCS4A03G0455200	1.03741	1.55371	UP	UP
19286	TraesCS4A03G0456300	1.57132	1.02189	UP	UP
19287	TraesCS4A03G0456500	1.49156	0.67285	No	No

19289	TraesCS4A03G0458000	1.2571	1.42911	UP	UP
19290	TraesCS4A03G0459300	0.59585	0.55044	Down	Down
19291	TraesCS4A03G0460100	1.35562	0.26996	Up	Down
19292	TraesCS4A03G0460700	0.9406	1.17348	No	No
19293	TraesCS4A03G0460800	0.735	1.61051	No	No
19294	TraesCS4A03G0461000	0.72582	1.35969	No	No
19296	TraesCS4A03G0462400	0.74391	2.43885	Down	Up
19300	TraesCS4A03G0466300	1.39184	0.66797	No	No
19302	TraesCS4A03G0469600	1.55266	1.39362	UP	UP
19303	TraesCS4A03G0469600	0.40972	2.06667	Down	Up
19304	TraesCS4A03G0469600	1.88889	1.17922	UP	UP
19305	TraesCS4A03G0470000	0.96795	0.32093	Down	Down
19306	TraesCS4A03G0471100	0.87485	1.95479	No	No
19308	TraesCS4A03G0473900	0.96303	1.18539	No	No
19309	TraesCS4A03G0473900	1.1857	1.2705	UP	UP
19310	TraesCS4A03G0474400	0.94912	1.09179	No	No
19311	TraesCS4A03G0474400	1.36494	0.73617	No	No
19313	TraesCS4A03G0477700	0.11528	1.5205	Down	Up
19314	TraesCS4A03G0478800	0.86543	2.39665	Down	Up
19315	TraesCS4A03G0479400	0.744	0.87793	Down	Down
19316	TraesCS4A03G0480500	1.97686	0.46477	Up	Down
19318	TraesCS4A03G0481200	1.13163	4.09417	Up	Up
19319	TraesCS4A03G0481500	1.02007	1.65328	UP	UP
19323	TraesCS4A03G0483000	0.92107	0.87828	Down	Down
19325	TraesCS4A03G0484800	0.64619	0.24429	Down	Down
19326	TraesCS4A03G0484800	3.16486	0.20802	Up	Down
19327	TraesCS4A03G0485300	1.93275	1.11394	UP	UP
19328	TraesCS4A03G0486200	1.14511	0.49763	Up	Down
19329	TraesCS4A03G0486500	0.89503	1.38846	No	No
19332	TraesCS4A03G0487900	1.1041	0.65656	No	No
19333	TraesCS4A03G0488600	0.85257	1.53771	No	No
19334	TraesCS4A03G0488700	0.83507	1.02036	No	No
19335	TraesCS4A03G0488900	1.31843	1.62614	UP	UP
19336	TraesCS4A03G0489200	1.57536	1.66978	UP	UP
19337	TraesCS4A03G0489300	0.92867	1.46849	No	No
19338	TraesCS4A03G0489500	1.0845	0.81902	No	No
19339	TraesCS4A03G0489700	1.7617	0.75508	No	No
19340	TraesCS4A03G0489900	1.2787	0.6364	No	No
19341	TraesCS4A03G0490400	1.20123	0.8322	No	No
19342	TraesCS4A03G0490800	0.6484	2.03823	Down	Up
19343	TraesCS4A03G0491000	1.27258	0.65894	No	No
19344	TraesCS4A03G0491200	0.90173	0.53841	Down	Down
19345	TraesCS4A03G0491300	0.89684	1.08435	No	No
19347	TraesCS4A03G0494400	1.36988	2.64799	Up	Up
19348	TraesCS4A03G0494500	0.88206	0.96676	Down	Down
19350	TraesCS4A03G0495400	0.88014	2.11966	Down	Up
19351	TraesCS4A03G0495500	1.0011	1.10046	UP	UP
19352	TraesCS4A03G0495600	1.37107	0.71099	No	No
19353	TraesCS4A03G0496300	0.81533	0.73156	Down	Down
19354	TraesCS4A03G0496400	1.13707	1.12047	UP	UP
19356	TraesCS4A03G0496800	0.69833	2.50503	Down	Up
19357	TraesCS4A03G0496900	1.1176	1.93746	UP	UP

19358	TraesCS4A03G0496900	0.93005	0.86711	Down	Down
19359	TraesCS4A03G0499100	0.84574	0.6743	Down	Down
19360	TraesCS4A03G0499200	0.5761	0.93735	Down	Down
19361	TraesCS4A03G0499300	1.02764	0.68476	No	No
19363	TraesCS4A03G0500000	0.98602	0.88163	Down	Down
19364	TraesCS4A03G0500600	2.22267	0.17167	Up	Down
19365	TraesCS4A03G0500800	1.20171	0.99796	No	No
19366	TraesCS4A03G0500900	0.87693	1.24928	No	No
19367	TraesCS4A03G0501100	0.84	1.21514	No	No
19368	TraesCS4A03G0501200	1.46797	0.97689	No	No
19369	TraesCS4A03G0501400	1.21491	0.91905	No	No
19370	TraesCS4A03G0502400	0.8837	1.35249	No	No
19372	TraesCS4A03G0503100	0.89899	1.88252	No	No
19373	TraesCS4A03G0503200	1.00862	1.51667	UP	UP
19374	TraesCS4A03G0504100	0.84651	0.98917	Down	Down
19375	TraesCS4A03G0504300	1.1023	1.46621	UP	UP
19377	TraesCS4A03G0505200	1.42185	0.65608	No	No
19378	TraesCS4A03G0505800	0.94	1.21058	No	No
19379	TraesCS4A03G0506700	0.73718	1.21024	No	No
19380	TraesCS4A03G0506800	0.20483	0.61379	Down	Down
19381	TraesCS4A03G0507000	0.77065	1.54198	No	No
19382	TraesCS4A03G0507400	0.86857	1.1212	No	No
19384	TraesCS4A03G0507600	2.81599	2.13728	Up	Up
19385	TraesCS4A03G0507800	0.88339	1.23718	No	No
19386	TraesCS4A03G0508100	1.08885	1.23294	UP	UP
19389	TraesCS4A03G0508800	0.9857	0.70454	Down	Down
19390	TraesCS4A03G0509100	0.72938	1.28612	No	No
19391	TraesCS4A03G0510400	1.55137	0.88214	No	No
19392	TraesCS4A03G0510600	0.64845	1.37663	No	No
19393	TraesCS4A03G0510900	1.18789	0.22234	Up	Down
19394	TraesCS4A03G0510900	1.29459	0.14754	Up	Down
19395	TraesCS4A03G0511000	0.67044	1.77455	No	No
19396	TraesCS4A03G0511100	0.90194	1.55338	No	No
19398	TraesCS4A03G0511700	1.13907	1.29515	UP	UP
19399	TraesCS4A03G0512100	1.19276	1.23585	UP	UP
19400	TraesCS4A03G0512500	0.77704	0.92863	Down	Down
19401	TraesCS4A03G0513000	1.07551	1.38031	UP	UP
19402	TraesCS4A03G0513100	0.81622	1.38874	No	No
19404	TraesCS4A03G0515000	1.17705	2.02244	Up	Up
19406	TraesCS4A03G0515800	0.67691	1.5653	No	No
19407	TraesCS4A03G0516400	1.07559	2.81939	Up	Up
19408	TraesCS4A03G0516500	1.16151	1.75112	UP	UP
19409	TraesCS4A03G0516700	1.89944	0.14359	Up	Down
19412	TraesCS4A03G0517900	1.11827	2.0088	Up	Up
19414	TraesCS4A03G0518500	0.84954	0.73015	Down	Down
19415	TraesCS4A03G0518700	0.81062	1.34608	No	No
19416	TraesCS4A03G0519500	0.81917	0.54504	Down	Down
19417	TraesCS4A03G0519700	1.2721	0.2857	Up	Down
19418	TraesCS4A03G0520200	0.93702	1.66686	No	No
19419	TraesCS4A03G0520900	0.7432	1.40354	No	No
19421	TraesCS4A03G0521400	1.17001	0.20102	Up	Down
19423	TraesCS4A03G0522400	0.97155	2.8751	Down	Up

19424	TraesCS4A03G0522700	1.20334	1.18499	UP	UP
19425	TraesCS4A03G0522800	0.99045	0.65351	Down	Down
19426	TraesCS4A03G0523100	1.09334	1.72994	UP	UP
19427	TraesCS4A03G0523200	1.32935	1.2174	UP	UP
19428	TraesCS4A03G0523200	0.71238	0.90323	Down	Down
19430	TraesCS4A03G0525400	1.45737	2.21418	Up	Up
19431	TraesCS4A03G0526000	0.64184	0.62626	Down	Down
19432	TraesCS4A03G0527700	0.99619	0.49824	Down	Down
19433	TraesCS4A03G0527800	1.04759	0.42749	Up	Down
19434	TraesCS4A03G0528300	1.12478	1.61816	UP	UP
19438	TraesCS4A03G0529300	0.79258	1.50358	No	No
19439	TraesCS4A03G0531900	0.6171	5.04945	Down	Up
19440	TraesCS4A03G0532600	0.67181	1.75755	No	No
19441	TraesCS4A03G0533000	0.92001	0.94592	Down	Down
19442	TraesCS4A03G0533800	0.68145	0.73142	Down	Down
19443	TraesCS4A03G0534200	0.84062	0.84076	Down	Down
19444	TraesCS4A03G0534300	0.42984	1.66611	Down	Up
19445	TraesCS4A03G0535300	1.11442	0.34409	Up	Down
19447	TraesCS4A03G0536300	0.86807	0.79039	Down	Down
19448	TraesCS4A03G0536600	1.25664	0.79271	No	No
19449	TraesCS4A03G0537000	1.19356	0.89601	No	No
19450	TraesCS4A03G0537700	1.39886	0.24542	Up	Down
19451	TraesCS4A03G0538100	0.93059	2.03598	Down	Up
19452	TraesCS4A03G0541600	0.73108	2.06193	Down	Up
19453	TraesCS4A03G0541900	0.68218	1.17565	No	No
19454	TraesCS4A03G0542300	1.74516	1.25007	UP	UP
19455	TraesCS4A03G0542800	0.81289	1.01506	No	No
19456	TraesCS4A03G0542900	1.46708	0.09865	Up	Down
19457	TraesCS4A03G0543800	0.88411	0.46124	Down	Down
19458	TraesCS4A03G0544100	0.80601	0.96408	Down	Down
19459	TraesCS4A03G0544400	0.86134	0.87448	Down	Down
19461	TraesCS4A03G0545300	1.39306	1.7897	UP	UP
19462	TraesCS4A03G0545300	0.95919	0.68281	Down	Down
19463	TraesCS4A03G0545600	0.84526	1.17167	No	No
19464	TraesCS4A03G0545700	1.08025	0.73464	No	No
19465	TraesCS4A03G0546100	1.56004	0.69752	No	No
19466	TraesCS4A03G0546200	1.43779	0.45946	Up	Down
19467	TraesCS4A03G0549400	1.29673	0.55993	No	No
19468	TraesCS4A03G0550200	0.79152	4.36496	Down	Up
19469	TraesCS4A03G0550200	1.00995	4.41992	Up	Up
19470	TraesCS4A03G0550400	1.04354	0.36913	Up	Down
19471	TraesCS4A03G0550500	0.97062	0.54935	Down	Down
19474	TraesCS4A03G0552000	0.91508	1.40895	No	No
19475	TraesCS4A03G0552600	0.80223	1.10951	No	No
19476	TraesCS4A03G0553500	0.50944	2.09458	Down	Up
19477	TraesCS4A03G0553700	0.77679	4.26482	Down	Up
19478	TraesCS4A03G0553800	0.99165	0.69477	Down	Down
19479	TraesCS4A03G0553900	0.70405	1.42211	No	No
19480	TraesCS4A03G0554100	1.04473	2.73907	Up	Up
19481	TraesCS4A03G0554500	0.96946	0.08058	Down	Down
19483	TraesCS4A03G0555800	0.97686	0.81041	Down	Down
19484	TraesCS4A03G0556200	1.12322	0.78959	No	No

19485	TraesCS4A03G0556600	0.78396	1.49919	No	No
19486	TraesCS4A03G0556700	1.1462	0.7478	No	No
19488	TraesCS4A03G0557400	0.84677	1.12803	No	No
19490	TraesCS4A03G0559400	2.29708	1.07781	Up	Up
19491	TraesCS4A03G0560700	1.45639	0.88133	No	No
19492	TraesCS4A03G0561400	0.81344	1.0911	No	No
19495	TraesCS4A03G0563200	0.9631	0.68978	Down	Down
19502	TraesCS4A03G0568300	1.16725	0.27449	Up	Down
19503	TraesCS4A03G0568400	1.47836	0.89623	No	No
19504	TraesCS4A03G0569200	0.80011	1.4679	No	No
19505	TraesCS4A03G0569500	0.8726	2.29229	Down	Up
19506	TraesCS4A03G0569800	0.72556	1.40682	No	No
19507	TraesCS4A03G0569900	0.65403	8.02846	Down	Up
19508	TraesCS4A03G0570300	1.04357	1.05129	UP	UP
19509	TraesCS4A03G0571200	1.31609	0.88391	No	No
19510	TraesCS4A03G0572000	1.03201	0.65501	No	No
19511	TraesCS4A03G0572300	1.27551	0.23668	Up	Down
19512	TraesCS4A03G0572600	0.89493	2.04667	Down	Up
19513	TraesCS4A03G0573600	0.82834	1.37153	No	No
19514	TraesCS4A03G0573700	1.0768	1.1136	UP	UP
19516	TraesCS4A03G0574100	1.39025	1.19275	UP	UP
19517	TraesCS4A03G0574400	0.75957	1.30822	No	No
19518	TraesCS4A03G0574600	1.22904	1.47367	UP	UP
19520	TraesCS4A03G0576100	0.67134	2.32554	Down	Up
19521	TraesCS4A03G0577400	0.58696	3.03782	Down	Up
19522	TraesCS4A03G0578800	0.84513	1.80469	No	No
19523	TraesCS4A03G0580800	1.2728	0.65522	No	No
19524	TraesCS4A03G0580800	1.21555	0.39901	Up	Down
19525	TraesCS4A03G0580900	1.37658	0.49901	Up	Down
19527	TraesCS4A03G0582800	1.27439	1.04109	UP	UP
19528	TraesCS4A03G0583400	0.84922	1.00544	No	No
19529	TraesCS4A03G0583600	1.18575	0.30237	Up	Down
19530	TraesCS4A03G0583600	1.53025	2.451	Up	Up
19532	TraesCS4A03G0585300	2.7037	0.38904	Up	Down
19533	TraesCS4A03G0585900	1.7259	0.64358	No	No
19535	TraesCS4A03G0587800	0.98867	0.78765	Down	Down
19536	TraesCS4A03G0587800	0.91203	1.81285	No	No
19537	TraesCS4A03G0588000	0.74714	1.60501	No	No
19538	TraesCS4A03G0588100	0.90299	1.71257	No	No
19540	TraesCS4A03G0590700	1.25188	0.57912	No	No
19541	TraesCS4A03G0591500	0.89582	1.6505	No	No
19542	TraesCS4A03G0592100	0.80665	1.21639	No	No
19543	TraesCS4A03G0592100	0.85764	2.72018	Down	Up
19546	TraesCS4A03G0593300	0.87896	1.55768	No	No
19547	TraesCS4A03G0594200	1.40158	1.12477	UP	UP
19548	TraesCS4A03G0594400	0.99186	2.00279	Down	Up
19549	TraesCS4A03G0595000	0.4345	5.16709	Down	Up
19550	TraesCS4A03G0595200	1.16071	0.98151	No	No
19551	TraesCS4A03G0595900	0.85517	5.83412	Down	Up
19552	TraesCS4A03G0596900	0.80927	2.0587	Down	Up
19554	TraesCS4A03G0597100	0.63943	2.09828	Down	Up
19555	TraesCS4A03G0597400	0.35747	7.60553	Down	Up

19556	TraesCS4A03G0597900	0.5934	0.98854	Down	Down
19557	TraesCS4A03G0598900	1.32567	0.1027	Up	Down
19558	TraesCS4A03G0599000	1.3899	1.29789	UP	UP
19559	TraesCS4A03G0599800	1.17251	1.97463	UP	UP
19562	TraesCS4A03G0600900	1.23046	1.53187	UP	UP
19563	TraesCS4A03G0602200	0.7778	1.66637	No	No
19564	TraesCS4A03G0603000	0.75036	0.06978	Down	Down
19566	TraesCS4A03G0603200	0.9763	1.26028	No	No
19567	TraesCS4A03G0603600	0.8792	0.25986	Down	Down
19568	TraesCS4A03G0604500	0.8492	0.82035	Down	Down
19569	TraesCS4A03G0605300	1.75174	1.25751	UP	UP
19570	TraesCS4A03G0605700	3.14048	0.80684	Up	Down
19571	TraesCS4A03G0606700	0.90925	1.02531	No	No
19572	TraesCS4A03G0607400	0.99422	1.00582	No	No
19573	TraesCS4A03G0607800	1.29487	0.6427	No	No
19574	TraesCS4A03G0608100	1.01874	0.88251	No	No
19577	TraesCS4A03G0609600	1.05219	1.98309	UP	UP
19578	TraesCS4A03G0609900	0.94474	1.09377	No	No
19579	TraesCS4A03G0610000	0.99489	0.82982	Down	Down
19580	TraesCS4A03G0611200	1.23431	0.95296	No	No
19581	TraesCS4A03G0611300	1.26346	0.8209	No	No
19582	TraesCS4A03G0611500	1.01205	3.85333	Up	Up
19583	TraesCS4A03G0613300	0.925	1.82555	No	No
19584	TraesCS4A03G0614400	0.74424	0.81382	Down	Down
19586	TraesCS4A03G0614700	0.99833	1.45103	No	No
19587	TraesCS4A03G0615000	0.93807	1.36581	No	No
19588	TraesCS4A03G0615200	1.46396	0.99462	No	No
19590	TraesCS4A03G0615700	1.0467	0.35255	Up	Down
19591	TraesCS4A03G0615800	0.89674	0.34861	Down	Down
19592	TraesCS4A03G0615900	0.50575	0.08272	Down	Down
19593	TraesCS4A03G0616000	0.74583	1.194	No	No
19594	TraesCS4A03G0617300	0.60927	0.80313	Down	Down
19595	TraesCS4A03G0617500	1.65918	0.55801	No	No
19596	TraesCS4A03G0617900	0.92491	0.4738	Down	Down
19597	TraesCS4A03G0619200	1.85882	0.47612	Up	Down
19598	TraesCS4A03G0619500	0.81369	1.22406	No	No
19601	TraesCS4A03G0620300	0.77564	0.66275	Down	Down
19602	TraesCS4A03G0620800	0.88271	1.69919	No	No
19603	TraesCS4A03G0621000	0.84516	1.45531	No	No
19604	TraesCS4A03G0621300	0.96427	0.36085	Down	Down
19605	TraesCS4A03G0621500	1.04699	1.01709	UP	UP
19606	TraesCS4A03G0621600	0.93647	0.72316	Down	Down
19607	TraesCS4A03G0622500	1.22989	2.10025	Up	Up
19608	TraesCS4A03G0623800	1.23295	0.54841	No	No
19610	TraesCS4A03G0625600	1.29671	0.7849	No	No
19611	TraesCS4A03G0627400	1.31842	2.25777	Up	Up
19612	TraesCS4A03G0627500	1.38642	0.36515	Up	Down
19613	TraesCS4A03G0628000	2.08763	1.61417	UP	UP
19614	TraesCS4A03G0628400	0.80057	1.71145	No	No
19615	TraesCS4A03G0629400	1.09331	0.73941	No	No
19616	TraesCS4A03G0629600	1.004	1.05559	UP	UP
19617	TraesCS4A03G0630200	0.53564	0.65736	Down	Down

19618	TraesCS4A03G0631700	0.92882	1.49696	No	No
19619	TraesCS4A03G0631800	0.95109	0.67335	Down	Down
19620	TraesCS4A03G0632000	0.64641	1.35771	No	No
19621	TraesCS4A03G0632400	0.55417	0.89311	Down	Down
19622	TraesCS4A03G0632600	0.40263	1.05007	Down	Up
19623	TraesCS4A03G0633700	0.95551	0.28378	Down	Down
19624	TraesCS4A03G0634000	0.95779	0.43234	Down	Down
19625	TraesCS4A03G0634500	0.8505	0.84116	Down	Down
19626	TraesCS4A03G0634900	0.62955	0.8613	Down	Down
19627	TraesCS4A03G0635000	0.97177	2.88006	Down	Up
19628	TraesCS4A03G0635500	1.41855	5.42535	Up	Up
19629	TraesCS4A03G0639500	0.96353	1.95486	No	No
19630	TraesCS4A03G0641300	1.04196	1.89805	UP	UP
19631	TraesCS4A03G0641500	0.89392	1.3448	No	No
19632	TraesCS4A03G0642100	0.82109	1.25937	No	No
19633	TraesCS4A03G0644900	0.89837	1.58188	No	No
19634	TraesCS4A03G0646200	1.24285	0.45274	Up	Down
19635	TraesCS4A03G0646400	0.92733	0.7245	Down	Down
19636	TraesCS4A03G0647600	1.17597	1.25662	UP	UP
19637	TraesCS4A03G0648400	0.82459	1.42982	No	No
19638	TraesCS4A03G0648700	2.54866	0.42659	Up	Down
19639	TraesCS4A03G0648900	0.77234	2.59819	Down	Up
19640	TraesCS4A03G0648900	0.8423	3.02823	Down	Up
19641	TraesCS4A03G0649400	1.16885	0.29133	Up	Down
19642	TraesCS4A03G0649600	1.03373	1.16392	UP	UP
19643	TraesCS4A03G0649800	0.54463	1.26072	No	No
19644	TraesCS4A03G0650100	1.43	0.9147	No	No
19645	TraesCS4A03G0650700	1.12596	0.75838	No	No
19646	TraesCS4A03G0650800	0.96759	1.06774	No	No
19647	TraesCS4A03G0651200	1.21273	0.98438	No	No
19648	TraesCS4A03G0651300	0.84943	1.28758	No	No
19649	TraesCS4A03G0651400	0.96175	0.96861	Down	Down
19650	TraesCS4A03G0651500	1.37804	0.86356	No	No
19651	TraesCS4A03G0651600	0.2762	1.04632	Down	Up
19652	TraesCS4A03G0651900	0.70483	0.30668	Down	Down
19653	TraesCS4A03G0652000	1.04197	0.19377	Up	Down
19654	TraesCS4A03G0653500	0.72456	0.39892	Down	Down
19656	TraesCS4A03G0654900	1.16666	0.89406	No	No
19657	TraesCS4A03G0655700	0.89257	1.04525	No	No
19658	TraesCS4A03G0656300	0.87368	0.94942	Down	Down
19659	TraesCS4A03G0656600	1.16804	2.7689	Up	Up
19660	TraesCS4A03G0657200	0.37565	0.91976	Down	Down
19661	TraesCS4A03G0658200	1.00075	6.46278	Up	Up
19664	TraesCS4A03G0659800	0.76763	0.32848	Down	Down
19665	TraesCS4A03G0661200	2.01639	1.00624	Up	Up
19666	TraesCS4A03G0661400	1.43312	0.48546	Up	Down
19667	TraesCS4A03G0661500	0.84878	1.6636	No	No
19669	TraesCS4A03G0663700	1.105	0.94017	No	No
19670	TraesCS4A03G0663800	1.30031	1.12582	UP	UP
19671	TraesCS4A03G0663900	1.12901	0.87706	No	No
19672	TraesCS4A03G0664600	1.29674	0.47853	Up	Down
19673	TraesCS4A03G0664700	1.11152	0.11782	Up	Down

19674	TraesCS4A03G0664800	0.91009	1.65555	No	No
19675	TraesCS4A03G0664900	1.07573	1.13771	UP	UP
19676	TraesCS4A03G0666500	1.21083	0.86435	No	No
19677	TraesCS4A03G0666700	0.96493	1.78915	No	No
19678	TraesCS4A03G0669100	0.94281	3.67579	Down	Up
19679	TraesCS4A03G0669200	1.17703	1.54723	UP	UP
19680	TraesCS4A03G0669300	0.84632	0.79525	Down	Down
19681	TraesCS4A03G0669400	1.90793	0.77978	No	No
19682	TraesCS4A03G0669600	0.8085	0.88953	Down	Down
19683	TraesCS4A03G0670200	0.80695	2.30602	Down	Up
19684	TraesCS4A03G0670300	1.34447	0.70233	No	No
19685	TraesCS4A03G0670900	1.76465	1.1209	UP	UP
19686	TraesCS4A03G0671500	1.04389	1.69593	UP	UP
19687	TraesCS4A03G0671600	1.18347	0.57574	No	No
19688	TraesCS4A03G0672000	0.9994	1.33046	No	No
19689	TraesCS4A03G0672300	1.03403	0.30708	Up	Down
19690	TraesCS4A03G0672400	0.70064	0.92886	Down	Down
19691	TraesCS4A03G0673000	1.02807	1.42354	UP	UP
19692	TraesCS4A03G0673000	1.85834	0.78816	No	No
19693	TraesCS4A03G0673100	0.9576	1.55133	No	No
19694	TraesCS4A03G0673600	0.75595	1.14426	No	No
19695	TraesCS4A03G0673700	0.92704	1.45142	No	No
19696	TraesCS4A03G0673800	1.05981	0.84613	No	No
19697	TraesCS4A03G0673900	0.97239	1.22233	No	No
19698	TraesCS4A03G0675000	0.68298	1.60114	No	No
19699	TraesCS4A03G0675600	0.74273	1.60192	No	No
19701	TraesCS4A03G0676800	0.28497	2.92243	Down	Up
19702	TraesCS4A03G0676900	0.7323	1.77351	No	No
19703	TraesCS4A03G0677400	1.14855	1.91677	UP	UP
19704	TraesCS4A03G0677700	1.09863	0.18658	Up	Down
19705	TraesCS4A03G0677800	0.58881	1.25949	No	No
19707	TraesCS4A03G0678100	0.81573	1.2244	No	No
19708	TraesCS4A03G0679000	1.31455	0.81413	No	No
19709	TraesCS4A03G0679100	1.22675	0.76412	No	No
19711	TraesCS4A03G0680200	1.22823	0.5323	No	No
19712	TraesCS4A03G0681000	0.99309	1.16839	No	No
19713	TraesCS4A03G0681400	2.11034	0.61661	Up	Down
19716	TraesCS4A03G0682700	0.92016	1.26458	No	No
19717	TraesCS4A03G0683300	0.5691	1.7225	No	No
19718	TraesCS4A03G0683400	0.50936	1.91771	No	No
19719	TraesCS4A03G0683600	0.90575	1.73454	No	No
19720	TraesCS4A03G0683800	1.25353	1.00597	UP	UP
19721	TraesCS4A03G0684300	1.07809	0.64234	No	No
19723	TraesCS4A03G0684900	1.19331	0.09516	Up	Down
19724	TraesCS4A03G0685200	0.88353	0.61191	Down	Down
19725	TraesCS4A03G0686000	0.81682	2.05593	Down	Up
19726	TraesCS4A03G0686100	0.72051	1.0492	No	No
19727	TraesCS4A03G0686500	0.73495	2.72657	Down	Up
19728	TraesCS4A03G0686600	1.15997	0.95025	No	No
19729	TraesCS4A03G0686700	1.22073	1.75043	UP	UP
19730	TraesCS4A03G0686900	1.48509	0.5818	No	No
19731	TraesCS4A03G0687200	1.24546	2.58901	Up	Up

19732	TraesCS4A03G0687600	0.83358	0.77655	Down	Down
19733	TraesCS4A03G0688200	1.58769	1.20161	UP	UP
19734	TraesCS4A03G0688300	1.11672	0.80087	No	No
19735	TraesCS4A03G0691800	0.76465	1.43952	No	No
19736	TraesCS4A03G0692000	0.82853	0.32059	Down	Down
19738	TraesCS4A03G0692200	0.72023	2.11915	Down	Up
19739	TraesCS4A03G0692400	1.04774	1.82572	UP	UP
19740	TraesCS4A03G0692900	1.41638	0.71242	No	No
19741	TraesCS4A03G0694400	0.96232	0.52655	Down	Down
19742	TraesCS4A03G0694500	0.61514	1.21803	No	No
19743	TraesCS4A03G0695000	0.72593	2.89839	Down	Up
19744	TraesCS4A03G0695300	0.93192	0.83476	Down	Down
19745	TraesCS4A03G0695900	0.82019	0.79987	Down	Down
19746	TraesCS4A03G0696100	0.72854	1.27857	No	No
19747	TraesCS4A03G0696200	0.76437	2.77693	Down	Up
19748	TraesCS4A03G0696500	1.19963	1.73883	UP	UP
19750	TraesCS4A03G0697000	1.19323	0.30012	Up	Down
19751	TraesCS4A03G0697300	0.74125	1.957	No	No
19752	TraesCS4A03G0697400	1.0432	1.15545	UP	UP
19753	TraesCS4A03G0697700	1.29717	2.50644	Up	Up
19754	TraesCS4A03G0697800	0.9228	0.50112	Down	Down
19755	TraesCS4A03G0698200	0.76153	5.27511	Down	Up
19756	TraesCS4A03G0698900	0.22817	2.57765	Down	Up
19757	TraesCS4A03G0699100	0.81756	0.98064	Down	Down
19758	TraesCS4A03G0699200	1.0915	1.87222	UP	UP
19759	TraesCS4A03G0699300	0.82918	1.98343	No	No
19760	TraesCS4A03G0699400	0.68709	0.90559	Down	Down
19761	TraesCS4A03G0699500	1.15478	0.46542	Up	Down
19762	TraesCS4A03G0699800	0.84276	0.78486	Down	Down
19763	TraesCS4A03G0700200	1.14801	0.52341	No	No
19764	TraesCS4A03G0700300	1.06609	1.43903	UP	UP
19765	TraesCS4A03G0700700	1.17387	0.76385	No	No
19766	TraesCS4A03G0701100	1.02482	0.8512	No	No
19767	TraesCS4A03G0701300	0.73819	0.77746	Down	Down
19768	TraesCS4A03G0701500	0.70548	0.4693	Down	Down
19769	TraesCS4A03G0701600	1.32185	0.80874	No	No
19770	TraesCS4A03G0704800	1.4218	0.77956	No	No
19771	TraesCS4A03G0704900	1.10003	0.5347	No	No
19772	TraesCS4A03G0705000	0.698	0.42134	Down	Down
19773	TraesCS4A03G0705100	0.90934	1.78683	No	No
19774	TraesCS4A03G0705900	1.02056	1.64988	UP	UP
19775	TraesCS4A03G0706000	1.06451	0.13629	Up	Down
19776	TraesCS4A03G0706100	0.73255	0.79923	Down	Down
19777	TraesCS4A03G0707100	0.80831	1.41006	No	No
19778	TraesCS4A03G0707200	1.44606	1.00673	UP	UP
19779	TraesCS4A03G0707400	0.27353	4.569	Down	Up
19780	TraesCS4A03G0707600	0.99931	1.2034	No	No
19781	TraesCS4A03G0707600	0.91824	0.83871	Down	Down
19782	TraesCS4A03G0708400	1.20527	0.34792	Up	Down
19783	TraesCS4A03G0708500	0.87263	1.64236	No	No
19784	TraesCS4A03G0709000	0.54379	0.62799	Down	Down
19785	TraesCS4A03G0709100	1.176	1.05501	UP	UP

19786	TraesCS4A03G0709600	0.94669	1.01008	No	No
19787	TraesCS4A03G0710500	1.13322	0.66684	No	No
19788	TraesCS4A03G0710800	0.94111	0.4887	Down	Down
19789	TraesCS4A03G0711000	1.35922	0.90844	No	No
19790	TraesCS4A03G0711500	0.72762	4.54622	Down	Up
19791	TraesCS4A03G0712400	0.94442	1.02792	No	No
19792	TraesCS4A03G0712500	0.98246	0.46441	Down	Down
19793	TraesCS4A03G0712800	0.80334	0.87538	Down	Down
19794	TraesCS4A03G0713200	0.72644	1.99523	No	No
19795	TraesCS4A03G0713300	0.80261	1.96051	No	No
19796	TraesCS4A03G0713400	0.88602	1.23778	No	No
19797	TraesCS4A03G0713700	0.907	1.10675	No	No
19798	TraesCS4A03G0713900	1.35681	0.75964	No	No
19799	TraesCS4A03G0714200	0.94432	1.51076	No	No
19800	TraesCS4A03G0714300	0.92245	0.98495	Down	Down
19801	TraesCS4A03G0714300	1.03634	1.28807	UP	UP
19802	TraesCS4A03G0714400	0.72271	0.88389	Down	Down
19803	TraesCS4A03G0714500	0.81889	0.7508	Down	Down
19804	TraesCS4A03G0714900	2.27827	0.30158	Up	Down
19806	TraesCS4A03G0716600	0.85247	1.07063	No	No
19807	TraesCS4A03G0717800	1.11799	1.10396	UP	UP
19808	TraesCS4A03G0717900	1.49853	0.90028	No	No
19809	TraesCS4A03G0719500	0.54607	2.02307	Down	Up
19811	TraesCS4A03G0720700	1.10106	0.93322	No	No
19812	TraesCS4A03G0721400	1.19165	0.62417	No	No
19815	TraesCS4A03G0722400	0.91268	0.83779	Down	Down
19816	TraesCS4A03G0722700	0.70182	2.13443	Down	Up
19817	TraesCS4A03G0724400	0.79224	1.96804	No	No
19818	TraesCS4A03G0725300	0.7697	1.74827	No	No
19819	TraesCS4A03G0726500	1.20129	4.35634	Up	Up
19820	TraesCS4A03G0726700	0.77095	1.51561	No	No
19821	TraesCS4A03G0726800	1.07949	0.76816	No	No
19822	TraesCS4A03G0727000	1.33766	0.58669	No	No
19823	TraesCS4A03G0727400	1.59893	0.39102	Up	Down
19824	TraesCS4A03G0728900	0.83207	1.00993	No	No
19825	TraesCS4A03G0729000	1.17228	0.63933	No	No
19826	TraesCS4A03G0729500	1.0314	2.69773	Up	Up
19827	TraesCS4A03G0729600	1.24374	0.87686	No	No
19828	TraesCS4A03G0729700	0.6842	2.1113	Down	Up
19829	TraesCS4A03G0729800	1.07548	0.97768	No	No
19831	TraesCS4A03G0730100	1.73577	0.49883	Up	Down
19832	TraesCS4A03G0730200	1.02293	1.11931	UP	UP
19833	TraesCS4A03G0732600	1.18522	1.46606	UP	UP
19834	TraesCS4A03G0732700	0.94779	0.25229	Down	Down
19835	TraesCS4A03G0732700	1.34366	3.79446	Up	Up
19836	TraesCS4A03G0733600	1.22379	0.38258	Up	Down
19837	TraesCS4A03G0733700	0.849	0.8257	Down	Down
19838	TraesCS4A03G0733800	1.44894	0.83818	No	No
19839	TraesCS4A03G0733900	1.05876	0.47335	Up	Down
19840	TraesCS4A03G0737500	0.72701	1.53409	No	No
19842	TraesCS4A03G0737700	0.87683	0.85281	Down	Down
19843	TraesCS4A03G0737900	0.80996	1.05118	No	No

19844	TraesCS4A03G0738800	1.02526	1.26932	UP	UP
19845	TraesCS4A03G0738900	1.03977	1.60475	UP	UP
19846	TraesCS4A03G0739000	1.08748	0.71808	No	No
19847	TraesCS4A03G0740400	0.45311	0.29014	Down	Down
19848	TraesCS4A03G0740800	0.77736	2.34648	Down	Up
19849	TraesCS4A03G0741200	0.61231	2.71575	Down	Up
19851	TraesCS4A03G0742500	1.46893	0.8939	No	No
19853	TraesCS4A03G0742900	2.40703	6.9409	Up	Up
19854	TraesCS4A03G0744700	1.41348	0.90805	No	No
19855	TraesCS4A03G0744800	1.21219	1.85037	UP	UP
19856	TraesCS4A03G0745100	1.2978	1.2845	UP	UP
19857	TraesCS4A03G0745400	1.32728	1.28717	UP	UP
19858	TraesCS4A03G0746000	0.62725	1.02752	No	No
19859	TraesCS4A03G0746300	0.88128	2.04741	Down	Up
19860	TraesCS4A03G0746900	0.59126	1.27927	No	No
19861	TraesCS4A03G0747000	1.1948	1.21267	UP	UP
19862	TraesCS4A03G0747200	0.85861	2.89074	Down	Up
19863	TraesCS4A03G0747500	0.79503	1.22922	No	No
19864	TraesCS4A03G0747600	0.79751	1.67683	No	No
19865	TraesCS4A03G0747700	0.93378	1.70855	No	No
19866	TraesCS4A03G0749000	0.77628	1.6981	No	No
19867	TraesCS4A03G0749800	0.26663	23.5567	Down	Up
19868	TraesCS4A03G0750400	0.48409	8.23152	Down	Up
19869	TraesCS4A03G0750800	0.92315	0.67116	Down	Down
19870	TraesCS4A03G0751700	0.72336	0.81921	Down	Down
19871	TraesCS4A03G0752000	0.60025	1.26842	No	No
19872	TraesCS4A03G0752100	1.22726	0.90861	No	No
19873	TraesCS4A03G0752200	0.75469	0.34502	Down	Down
19874	TraesCS4A03G0752300	0.97773	0.29364	Down	Down
19876	TraesCS4A03G0752500	0.8967	1.71443	No	No
19877	TraesCS4A03G0752600	1.02273	0.58023	No	No
19878	TraesCS4A03G0752900	1.51169	0.24055	Up	Down
19880	TraesCS4A03G0754600	1.00312	1.14141	UP	UP
19881	TraesCS4A03G0754900	0.58189	6.47013	Down	Up
19884	TraesCS4A03G0756000	1.06278	1.55939	UP	UP
19885	TraesCS4A03G0756100	1.15674	0.72862	No	No
19886	TraesCS4A03G0756900	0.89342	1.3844	No	No
19887	TraesCS4A03G0757600	0.87226	1.03559	No	No
19888	TraesCS4A03G0760600	1.01035	0.75768	No	No
19889	TraesCS4A03G0760700	1.22695	0.99375	No	No
19890	TraesCS4A03G0762400	0.91852	1.11242	No	No
19891	TraesCS4A03G0762500	0.81645	0.18154	Down	Down
19892	TraesCS4A03G0762500	1.37026	0.38919	Up	Down
19893	TraesCS4A03G0762900	0.85012	0.81491	Down	Down
19894	TraesCS4A03G0764800	0.88423	1.19186	No	No
19895	TraesCS4A03G0765000	1.39745	0.14709	Up	Down
19896	TraesCS4A03G0768100	0.79687	1.16215	No	No
19897	TraesCS4A03G0768200	1.13227	1.52413	UP	UP
19899	TraesCS4A03G0769500	0.75038	1.85488	No	No
19900	TraesCS4A03G0770500	1.23399	1.42212	UP	UP
19901	TraesCS4A03G0771100	0.81256	1.36251	No	No
19902	TraesCS4A03G0771100	0.96786	1.20942	No	No

19903	TraesCS4A03G0771600	0.73427	1.99058	No	No
19904	TraesCS4A03G0771900	1.29104	0.55022	No	No
19905	TraesCS4A03G0772000	1.17417	0.60972	No	No
19906	TraesCS4A03G0778600	1.01661	0.57394	No	No
19907	TraesCS4A03G0778700	0.80597	2.26907	Down	Up
19908	TraesCS4A03G0779600	1.11717	0.74264	No	No
19909	TraesCS4A03G0779700	1.00514	0.24066	Up	Down
19910	TraesCS4A03G0779800	1.29851	0.74211	No	No
19911	TraesCS4A03G0780100	0.76528	1.57768	No	No
19912	TraesCS4A03G0780500	0.72831	3.57332	Down	Up
19913	TraesCS4A03G0780600	1.31321	1.34259	UP	UP
19914	TraesCS4A03G0780700	0.42069	1.36131	Down	Up
19915	TraesCS4A03G0781900	0.5426	1.25055	No	No
19917	TraesCS4A03G0783100	1.21931	0.95991	No	No
19918	TraesCS4A03G0783200	0.84398	0.28353	Down	Down
19921	TraesCS4A03G0788600	0.89134	0.60352	Down	Down
19922	TraesCS4A03G0788800	0.955	1.15304	No	No
19923	TraesCS4A03G0788900	1.09386	1.45491	UP	UP
19924	TraesCS4A03G0789000	0.89773	0.33248	Down	Down
19925	TraesCS4A03G0789000	1.441	0.26925	Up	Down
19927	TraesCS4A03G0790200	0.82667	1.3975	No	No
19928	TraesCS4A03G0791400	0.73286	1.63824	No	No
19929	TraesCS4A03G0791600	0.85774	0.88612	Down	Down
19930	TraesCS4A03G0793100	0.8755	0.96464	Down	Down
19931	TraesCS4A03G0793300	1.06023	1.46225	UP	UP
19932	TraesCS4A03G0793900	1.95417	1.20096	UP	UP
19933	TraesCS4A03G0794000	0.66649	1.13467	No	No
19934	TraesCS4A03G0794400	0.87087	6.56461	Down	Up
19936	TraesCS4A03G0796000	0.84072	0.27629	Down	Down
19937	TraesCS4A03G0796000	1.15621	0.48379	Up	Down
19938	TraesCS4A03G0796800	0.51792	2.43214	Down	Up
19939	TraesCS4A03G0797600	0.65845	0.31842	Down	Down
19940	TraesCS4A03G0798000	0.80836	1.84875	No	No
19941	TraesCS4A03G0798200	1.05234	1.70751	UP	UP
19942	TraesCS4A03G0798300	0.86126	3.41099	Down	Up
19943	TraesCS4A03G0798600	1.00497	0.37212	Up	Down
19944	TraesCS4A03G0798600	0.84878	0.31537	Down	Down
19945	TraesCS4A03G0799000	0.58336	0.96322	Down	Down
19946	TraesCS4A03G0799200	0.99461	0.94463	Down	Down
19947	TraesCS4A03G0800900	0.7242	1.19437	No	No
19948	TraesCS4A03G0801200	0.96829	0.78862	Down	Down
19949	TraesCS4A03G0802200	1.20949	1.15887	UP	UP
19950	TraesCS4A03G0802300	1.46415	0.46283	Up	Down
19951	TraesCS4A03G0802700	0.86484	1.15024	No	No
19952	TraesCS4A03G0802900	0.89482	0.57661	Down	Down
19953	TraesCS4A03G0803000	0.97747	0.90046	Down	Down
19954	TraesCS4A03G0803300	0.88424	0.87517	Down	Down
19955	TraesCS4A03G0803500	1.1936	0.84755	No	No
19957	TraesCS4A03G0805100	0.96864	1.00508	No	No
19958	TraesCS4A03G0805400	0.90164	6.56854	Down	Up
19959	TraesCS4A03G0806100	0.65412	2.28102	Down	Up
19960	TraesCS4A03G0806500	0.89533	0.94139	Down	Down

19961	TraesCS4A03G0807600	0.82334	1.73701	No	No
19962	TraesCS4A03G0808600	0.80467	0.88482	Down	Down
19964	TraesCS4A03G0811500	0.80667	1.71429	No	No
19965	TraesCS4A03G0811900	1.28128	1.07195	UP	UP
19966	TraesCS4A03G0812000	0.86165	1.53967	No	No
19967	TraesCS4A03G0812200	0.33835	3.04795	Down	Up
19968	TraesCS4A03G0813500	0.50657	5.16522	Down	Up
19969	TraesCS4A03G0815000	1.32731	1.29858	UP	UP
19970	TraesCS4A03G0815800	0.74021	0.28151	Down	Down
19971	TraesCS4A03G0815900	1.00591	0.95432	No	No
19972	TraesCS4A03G0816500	1.02762	1.09884	UP	UP
19973	TraesCS4A03G0816900	0.944	1.06319	No	No
19974	TraesCS4A03G0818700	0.85426	0.90293	Down	Down
19976	TraesCS4A03G0820200	0.54007	1.58667	No	No
19977	TraesCS4A03G0820300	0.85843	1.01322	No	No
19978	TraesCS4A03G0820400	0.71878	1.68924	No	No
19979	TraesCS4A03G0823900	0.86254	0.28951	Down	Down
19980	TraesCS4A03G0824400	2.07431	1.18896	Up	Up
19981	TraesCS4A03G0825100	0.70268	1.02322	No	No
19982	TraesCS4A03G0827700	0.66275	0.83296	Down	Down
19983	TraesCS4A03G0828500	1.00063	1.22818	UP	UP
19984	TraesCS4A03G0829200	1.23698	0.47728	Up	Down
19985	TraesCS4A03G0830300	1.11255	1.58134	UP	UP
19986	TraesCS4A03G0830400	1.31459	2.89944	Up	Up
19987	TraesCS4A03G0831600	1.27154	0.75517	No	No
19988	TraesCS4A03G0831700	0.57076	1.22487	No	No
19989	TraesCS4A03G0831800	0.60117	3.02343	Down	Up
19990	TraesCS4A03G0833100	0.83087	1.03798	No	No
19991	TraesCS4A03G0833200	0.93547	0.90983	Down	Down
19992	TraesCS4A03G0833300	0.95969	1.28578	No	No
19993	TraesCS4A03G0833500	0.88198	0.95606	Down	Down
19995	TraesCS4A03G0835400	1.03548	1.13069	UP	UP
19996	TraesCS4A03G0836900	0.98896	0.67221	Down	Down
19997	TraesCS4A03G0839400	1.26921	1.65525	UP	UP
19998	TraesCS4A03G0839600	0.58288	1.25966	No	No
19999	TraesCS4A03G0839800	1.31905	1.24989	UP	UP
20000	TraesCS4A03G0841500	1.21106	0.57308	No	No
20001	TraesCS4A03G0842300	0.92128	0.76214	Down	Down
20002	TraesCS4A03G0842300	1.15923	1.86736	UP	UP
20003	TraesCS4A03G0846700	1.13601	0.25029	Up	Down
20004	TraesCS4A03G0847400	0.81181	2.98905	Down	Up
20005	TraesCS4A03G0848300	0.88248	1.38493	No	No
20006	TraesCS4A03G0848600	0.88115	1.60072	No	No
20007	TraesCS4A03G0849900	2.66171	0.50761	Up	Down
20008	TraesCS4A03G0850000	4.27506	0.03954	Up	Down
20009	TraesCS4A03G0850400	0.96025	1.45368	No	No
20010	TraesCS4A03G0850500	1.07795	1.28608	UP	UP
20011	TraesCS4A03G0851100	1.21668	1.29295	UP	UP
20012	TraesCS4A03G0851100	0.89445	0.67998	Down	Down
20013	TraesCS4A03G0851200	0.72627	0.50061	Down	Down
20014	TraesCS4A03G0852300	1.29993	0.39451	Up	Down
20015	TraesCS4A03G0852400	0.99744	0.97331	Down	Down

20016	TraesCS4A03G0855000	1.2392	1.42316	UP	UP
20017	TraesCS4A03G0859500	0.42857	0.45597	Down	Down
20019	TraesCS4A03G0860100	1.4484	0.83302	No	No
20020	TraesCS4A03G0860200	1.21253	0.90778	No	No
20021	TraesCS4A03G0861500	0.89769	0.73313	Down	Down
20023	TraesCS4A03G0862100	0.75367	1.02579	No	No
20024	TraesCS4A03G0863600	0.70643	1.91899	No	No
20025	TraesCS4A03G0865100	0.58375	2.15931	Down	Up
20026	TraesCS4A03G0865400	0.94045	0.6833	Down	Down
20027	TraesCS4A03G0866100	10.1824	5.87166	Up	Up
20028	TraesCS4A03G0866400	1.12857	1.19873	UP	UP
20029	TraesCS4A03G0871600	1.17445	1.49021	UP	UP
20030	TraesCS4A03G0872200	0.76794	3.60723	Down	Up
20031	TraesCS4A03G0872300	1.34732	0.83445	No	No
20032	TraesCS4A03G0873400	0.22422	4.73626	Down	Up
20033	TraesCS4A03G0873600	0.97183	0.8911	Down	Down
20034	TraesCS4A03G0873900	0.82204	1.4586	No	No
20035	TraesCS4A03G0874000	0.99127	2.25777	Down	Up
20036	TraesCS4A03G0874100	1.21081	0.18802	Up	Down
20037	TraesCS4A03G0874400	0.91827	0.51033	Down	Down
20038	TraesCS4A03G0876300	1.09479	0.81886	No	No
20039	TraesCS4A03G0877700	1.15748	0.85669	No	No
20040	TraesCS4A03G0878700	0.93778	0.30385	Down	Down
20042	TraesCS4A03G0878900	0.99767	1.70666	No	No
20043	TraesCS4A03G0879100	1.41556	2.04829	Up	Up
20044	TraesCS4A03G0879700	0.72743	1.48451	No	No
20045	TraesCS4A03G0879800	1.4045	2.70289	Up	Up
20046	TraesCS4A03G0879900	1.00438	1.40546	UP	UP
20047	TraesCS4A03G0880000	1.11747	4.12462	Up	Up
20048	TraesCS4A03G0880000	0.46716	0.8059	Down	Down
20050	TraesCS4A03G0881300	0.7587	1.06487	No	No
20051	TraesCS4A03G0881400	1.3876	0.94947	No	No
20052	TraesCS4A03G0882100	1.17927	0.86716	No	No
20053	TraesCS4A03G0882400	1.52824	1.55438	UP	UP
20054	TraesCS4A03G0883000	0.8596	1.24934	No	No
20055	TraesCS4A03G0883700	1.03446	1.09845	UP	UP
20056	TraesCS4A03G0884700	1.31893	0.42497	Up	Down
20058	TraesCS4A03G0886300	1.02865	1.43852	UP	UP
20059	TraesCS4A03G0888200	0.90413	1.40827	No	No
20060	TraesCS4A03G0892100	0.85487	1.71306	No	No
20061	TraesCS4A03G0892300	0.93423	0.72126	Down	Down
20062	TraesCS4A03G0893600	1.00169	0.99091	No	No
20063	TraesCS4A03G0896600	0.71028	3.44131	Down	Up
20064	TraesCS4A03G0896700	1.07099	0.85471	No	No
20065	TraesCS4A03G0896900	0.8084	0.72213	Down	Down
20066	TraesCS4A03G0897000	0.72133	1.66674	No	No
20067	TraesCS4A03G0897200	1.21502	0.68832	No	No
20068	TraesCS4A03G0899800	0.70654	0.77819	Down	Down
20069	TraesCS4A03G0900100	0.62627	1.13692	No	No
20070	TraesCS4A03G0900300	1.71041	1.8453	UP	UP
20071	TraesCS4A03G0900400	0.7657	0.77952	Down	Down
20073	TraesCS4A03G0901100	2.02058	1.1735	Up	Up

20074	TraesCS4A03G0901600	1.29053	1.15199	UP	UP
20075	TraesCS4A03G0902600	1.24376	1.26606	UP	UP
20076	TraesCS4A03G0902800	0.97871	2.22867	Down	Up
20077	TraesCS4A03G0905400	1.27011	1.1689	UP	UP
20078	TraesCS4A03G0905700	0.86492	1.32877	No	No
20079	TraesCS4A03G0905800	1.15885	0.97245	No	No
20080	TraesCS4A03G0906000	1.18645	0.88456	No	No
20081	TraesCS4A03G0906100	0.97778	2.18679	Down	Up
20083	TraesCS4A03G0907200	1.47223	2.81737	Up	Up
20084	TraesCS4A03G0908400	0.73944	0.27242	Down	Down
20085	TraesCS4A03G0909300	1.29974	0.65145	No	No
20086	TraesCS4A03G0910100	0.81671	0.78075	Down	Down
20087	TraesCS4A03G0910200	0.82386	0.68776	Down	Down
20088	TraesCS4A03G0915900	0.81237	1.04799	No	No
20089	TraesCS4A03G0916200	0.90286	1.12876	No	No
20090	TraesCS4A03G0922000	1.01576	2.3623	Up	Up
20091	TraesCS4A03G0922200	0.88555	1.43092	No	No
20092	TraesCS4A03G0922800	1.07322	1.23772	UP	UP
20093	TraesCS4A03G0923700	2.28235	1.10779	Up	Up
20094	TraesCS4A03G0924800	0.80834	2.68048	Down	Up
20096	TraesCS4A03G0927500	1.07366	0.77389	No	No
20097	TraesCS4A03G0928100	1.45858	1.31643	UP	UP
20098	TraesCS4A03G0928300	0.99914	0.73779	Down	Down
20099	TraesCS4A03G0929000	0.85212	1.11934	No	No
20100	TraesCS4A03G0930000	0.90417	0.44152	Down	Down
20101	TraesCS4A03G0930100	0.89243	0.47098	Down	Down
20102	TraesCS4A03G0931400	0.64452	1.52938	No	No
20104	TraesCS4A03G0936900	1.05667	1.25702	UP	UP
20105	TraesCS4A03G0937100	0.72339	1.50853	No	No
20106	TraesCS4A03G0937300	1.23231	1.07821	UP	UP
20107	TraesCS4A03G0937700	1.12649	0.94527	No	No
20108	TraesCS4A03G0943400	1.05346	1.42291	UP	UP
20110	TraesCS4A03G0948000	0.85316	1.04087	No	No
20111	TraesCS4A03G0948200	0.94877	1.32132	No	No
20112	TraesCS4A03G0953200	1.36202	1.95731	UP	UP
20113	TraesCS4A03G0956400	0.39701	6.08924	Down	Up
20115	TraesCS4A03G0957800	1.55715	1.61929	UP	UP
20116	TraesCS4A03G0958000	1.27869	5.47271	Up	Up
20117	TraesCS4A03G0958100	0.78586	4.89549	Down	Up
20118	TraesCS4A03G0958300	0.87756	2.76403	Down	Up
20119	TraesCS4A03G0958600	0.90488	2.52214	Down	Up
20121	TraesCS4A03G0961600	0.86916	0.71764	Down	Down
20122	TraesCS4A03G0961700	1.05645	1.6366	UP	UP
20123	TraesCS4A03G0963000	2.19707	0.93469	Up	Down
20124	TraesCS4A03G0963200	2.28732	4.98777	Up	Up
20125	TraesCS4A03G0963200	1.17866	0.39291	Up	Down
20127	TraesCS4A03G0964800	0.99785	1.62158	No	No
20128	TraesCS4A03G0968000	1.22976	1.11411	UP	UP
20129	TraesCS4A03G0968400	0.59708	1.21391	No	No
20130	TraesCS4A03G0968400	1.47896	1.72618	UP	UP
20131	TraesCS4A03G0968700	1.19669	1.36685	UP	UP
20132	TraesCS4A03G0969800	0.85529	2.28113	Down	Up

20133	TraesCS4A03G0969800	0.57729	1.28748	No	No
20134	TraesCS4A03G0970100	1.1251	1.90538	UP	UP
20135	TraesCS4A03G0971500	1.64419	9.69162	Up	Up
20136	TraesCS4A03G0972000	1.33869	0.37536	Up	Down
20137	TraesCS4A03G0974200	2.95057	0.4788	Up	Down
20138	TraesCS4A03G0974600	0.7817	0.49478	Down	Down
20139	TraesCS4A03G0974700	0.63949	0.63527	Down	Down
20140	TraesCS4A03G0975500	0.62898	2.58666	Down	Up
20141	TraesCS4A03G0975800	0.71863	6.83037	Down	Up
20142	TraesCS4A03G0976800	0.4434	1.23622	Down	Up
20143	TraesCS4A03G0980900	0.64807	2.40764	Down	Up
20144	TraesCS4A03G0981000	1.05792	0.6013	No	No
20145	TraesCS4A03G0983900	1.17109	0.8519	No	No
20146	TraesCS4A03G0984400	0.85951	1.74073	No	No
20147	TraesCS4A03G0985800	1.04476	0.78195	No	No
20148	TraesCS4A03G0985900	0.89561	0.39778	Down	Down
20149	TraesCS4A03G0985900	1.01599	0.48408	Up	Down
20150	TraesCS4A03G0986100	0.80655	1.84327	No	No
20151	TraesCS4A03G0986200	0.76727	4.05811	Down	Up
20153	TraesCS4A03G0989000	1.74218	0.96378	No	No
20154	TraesCS4A03G0990700	1.15127	0.80521	No	No
20156	TraesCS4A03G0994400	0.74834	2.33821	Down	Up
20157	TraesCS4A03G0996600	1.15003	1.49217	UP	UP
20158	TraesCS4A03G0997300	0.8383	0.82594	Down	Down
20159	TraesCS4A03G0998100	1.72886	1.73697	UP	UP
20160	TraesCS4A03G0998400	1.24019	1.19311	UP	UP
20161	TraesCS4A03G0998600	2.38257	0.30673	Up	Down
20162	TraesCS4A03G0998700	1.68735	0.48963	Up	Down
20163	TraesCS4A03G0999300	1.10334	0.73705	No	No
20164	TraesCS4A03G0999800	0.84848	1.64758	No	No
20165	TraesCS4A03G0999800	1.42472	1.15273	UP	UP
20166	TraesCS4A03G1000200	1.01482	0.76784	No	No
20168	TraesCS4A03G1001000	0.71426	5.68957	Down	Up
20170	TraesCS4A03G1002200	1.55123	0.54242	No	No
20172	TraesCS4A03G1005100	0.72968	1.18785	No	No
20173	TraesCS4A03G1007800	0.75542	4.15792	Down	Up
20175	TraesCS4A03G1009200	0.68606	0.73445	Down	Down
20176	TraesCS4A03G1009300	0.83839	1.18183	No	No
20177	TraesCS4A03G1009500	1.19194	0.29434	Up	Down
20180	TraesCS4A03G1010300	1.16923	4.58173	Up	Up
20181	TraesCS4A03G1010400	0.99297	0.71517	Down	Down
20182	TraesCS4A03G1010500	0.99358	3.22664	Down	Up
20183	TraesCS4A03G1010700	1.24631	0.65824	No	No
20184	TraesCS4A03G1011800	3.7231	2.67211	Up	Up
20185	TraesCS4A03G1011900	0.95541	1.41493	No	No
20186	TraesCS4A03G1012500	0.82276	1.2686	No	No
20189	TraesCS4A03G1013400	1.23939	0.88406	No	No
20192	TraesCS4A03G1015300	1.40768	1.32887	UP	UP
20193	TraesCS4A03G1016200	0.80374	0.63184	Down	Down
20194	TraesCS4A03G1016500	0.76611	1.23546	No	No
20195	TraesCS4A03G1016700	0.9568	0.51668	Down	Down
20196	TraesCS4A03G1016800	1.04247	0.2189	Up	Down

20197	TraesCS4A03G1017100	0.89533	0.81829	Down	Down
20198	TraesCS4A03G1017200	1.40509	0.64913	No	No
20199	TraesCS4A03G1017800	0.99832	0.50381	Down	Down
20200	TraesCS4A03G1018000	0.81746	0.37931	Down	Down
20201	TraesCS4A03G1018100	1.05311	0.78417	No	No
20202	TraesCS4A03G1019900	1.26679	0.79057	No	No
20204	TraesCS4A03G1021500	0.9819	0.7412	Down	Down
20205	TraesCS4A03G1022100	0.72391	1.12685	No	No
20206	TraesCS4A03G1022700	0.88742	1.14261	No	No
20207	TraesCS4A03G1023200	0.83294	1.56933	No	No
20208	TraesCS4A03G1023400	0.6118	3.5503	Down	Up
20209	TraesCS4A03G1024400	1.03929	2.22149	Up	Up
20210	TraesCS4A03G1026400	0.97463	1.24225	No	No
20211	TraesCS4A03G1026500	0.92239	0.78245	Down	Down
20213	TraesCS4A03G1028900	0.78576	1.07145	No	No
20214	TraesCS4A03G1029100	0.61574	1.23681	No	No
20215	TraesCS4A03G1029200	0.93188	1.14728	No	No
20216	TraesCS4A03G1031900	0.90662	1.31974	No	No
20217	TraesCS4A03G1039100	0.75506	1.09245	No	No
20218	TraesCS4A03G1042000	0.86885	0.44781	Down	Down
20219	TraesCS4A03G1042200	0.46645	1.43791	Down	Up
20220	TraesCS4A03G1043700	1.16478	1.14987	UP	UP
20221	TraesCS4A03G1043800	0.85127	1.04922	No	No
20223	TraesCS4A03G1044300	0.89246	0.93831	Down	Down
20224	TraesCS4A03G1044800	0.77473	0.93123	Down	Down
20225	TraesCS4A03G1045400	0.91267	1.50905	No	No
20226	TraesCS4A03G1046800	1.29067	0.64555	No	No
20227	TraesCS4A03G1046900	0.76965	1.09743	No	No
20228	TraesCS4A03G1047900	1.00372	0.93684	No	No
20229	TraesCS4A03G1048000	1.84719	0.79978	No	No
20230	TraesCS4A03G1048500	1.83041	1.44516	UP	UP
20232	TraesCS4A03G1056100	0.87928	0.75297	Down	Down
20233	TraesCS4A03G1056200	1.18294	0.84661	No	No
20234	TraesCS4A03G1058300	1.14738	0.85423	No	No
20235	TraesCS4A03G1060400	0.75433	1.21558	No	No
20236	TraesCS4A03G1060400	0.85461	1.24171	No	No
20237	TraesCS4A03G1063400	0.73657	1.11478	No	No
20238	TraesCS4A03G1066000	0.6829	0.97703	Down	Down
20239	TraesCS4A03G1066100	1.18708	1.59491	UP	UP
20240	TraesCS4A03G1066600	0.59103	1.53979	No	No
20241	TraesCS4A03G1066900	0.97454	1.13121	No	No
20242	TraesCS4A03G1067000	0.85673	0.61987	Down	Down
20243	TraesCS4A03G1067200	0.8674	2.27963	Down	Up
20245	TraesCS4A03G1075100	1.11846	1.08721	UP	UP
20246	TraesCS4A03G1075400	1.28291	1.02285	UP	UP
20247	TraesCS4A03G1078500	0.98023	0.81333	Down	Down
20248	TraesCS4A03G1080200	0.82874	0.66538	Down	Down
20249	TraesCS4A03G1080800	0.75875	1.0491	No	No
20250	TraesCS4A03G1082000	0.95726	1.43746	No	No
20251	TraesCS4A03G1082100	1.07819	1.24277	UP	UP
20252	TraesCS4A03G1082200	0.89738	2.31666	Down	Up
20253	TraesCS4A03G1082400	0.96648	3.49834	Down	Up

20254	TraesCS4A03G1083200	0.74181	0.27806	Down	Down
20255	TraesCS4A03G1086900	1.05995	0.82443	No	No
20256	TraesCS4A03G1087000	0.77653	1.03241	No	No
20258	TraesCS4A03G1090300	1.04853	0.29915	Up	Down
20259	TraesCS4A03G1095300	0.75464	1.47698	No	No
20262	TraesCS4A03G1100100	0.50073	1.12954	No	No
20264	TraesCS4A03G1100300	1.04047	1.18942	UP	UP
20265	TraesCS4A03G1102800	0.41511	1.01937	Down	Up
20266	TraesCS4A03G1102900	0.94472	1.4258	No	No
20268	TraesCS4A03G1108300	0.68123	1.06386	No	No
20269	TraesCS4A03G1108400	0.25549	1.05987	Down	Up
20270	TraesCS4A03G1111000	2.0308	0.61027	Up	Down
20271	TraesCS4A03G1111500	1.01767	0.81035	No	No
20272	TraesCS4A03G1111600	1.03061	0.76365	No	No
20273	TraesCS4A03G1112500	0.9994	0.38891	Down	Down
20274	TraesCS4A03G1114800	0.7173	1.26683	No	No
20275	TraesCS4A03G1115600	0.55535	5.59466	Down	Up
20276	TraesCS4A03G1116000	0.6886	2.98945	Down	Up
20277	TraesCS4A03G1132600	0.57879	2.13559	Down	Up
20278	TraesCS4A03G1133400	1.40409	0.84421	No	No
20279	TraesCS4A03G1133700	1.08456	0.81255	No	No
20280	TraesCS4A03G1134300	1.02101	1.18251	UP	UP
20281	TraesCS4A03G1138500	1.88597	1.09564	UP	UP
20282	TraesCS4A03G1138700	8.05238	2.53995	Up	Up
20283	TraesCS4A03G1141600	0.93165	1.20319	No	No
20284	TraesCS4A03G1143500	0.64531	3.58508	Down	Up
20285	TraesCS4A03G1146300	0.74284	3.88438	Down	Up
20286	TraesCS4A03G1149500	1.08736	1.09686	UP	UP
20287	TraesCS4A03G1151000	0.80479	2.78272	Down	Up
20288	TraesCS4A03G1151200	0.99828	2.20108	Down	Up
20289	TraesCS4A03G1154100	0.76376	1.56114	No	No
20290	TraesCS4A03G1156500	0.74707	4.77964	Down	Up
20291	TraesCS4A03G1156600	1.08508	1.07973	UP	UP
20292	TraesCS4A03G1157900	0.98245	1.13723	No	No
20293	TraesCS4A03G1161300	0.34778	0.97119	Down	Down
20294	TraesCS4A03G1162300	0.92394	1.2782	No	No
20295	TraesCS4A03G1164800	1.01015	0.93844	No	No
20297	TraesCS4A03G1186700	1.0684	0.99634	No	No
20298	TraesCS4A03G1188200	1.18023	0.98475	No	No
20299	TraesCS4A03G1188300	0.61015	1.33663	No	No
20300	TraesCS4A03G1188400	0.99736	1.16634	No	No
20301	TraesCS4A03G1189100	0.89952	0.45724	Down	Down
20302	TraesCS4A03G1189200	0.73637	1.03191	No	No
20303	TraesCS4A03G1193700	0.92279	0.38237	Down	Down
20304	TraesCS4A03G1194600	0.94674	0.53235	Down	Down
20305	TraesCS4A03G1194600	1.23927	0.36671	Up	Down
20306	TraesCS4A03G1194700	0.92225	0.98969	Down	Down
20307	TraesCS4A03G1194800	1.03285	1.09941	UP	UP
20308	TraesCS4A03G1214100	0.67434	0.84825	Down	Down
20309	TraesCS4A03G1215100	0.86069	1.52427	No	No
20310	TraesCS4A03G1221100	1.10059	1.04641	UP	UP
20312	TraesCS4A03G1223400	0.92732	1.37602	No	No

20313	TraesCS4A03G1225200	1.28179	1.07292	UP	UP
20314	TraesCS4A03G1225300	1.28326	0.4573	Up	Down
20317	TraesCS4A03G1238900	0.83678	2.01533	Down	Up
20318	TraesCS4A03G1241700	0.93552	7.05367	Down	Up
20319	TraesCS4A03G1243600	0.96648	1.3294	No	No
20320	TraesCS4A03G1243900	1.6152	0.5557	No	No
20321	TraesCS4A03G1244900	0.96714	0.62212	Down	Down
20322	TraesCS4A03G1245000	0.77733	1.30128	No	No
20323	TraesCS4A03G1245300	0.52557	3.43356	Down	Up
20324	TraesCS4A03G1251100	0.81631	1.97118	No	No
20325	TraesCS4A03G1251200	0.98339	1.36609	No	No
20326	TraesCS4A03G1251600	0.85389	0.8284	Down	Down
20327	TraesCS4A03G1252200	0.22422	9.77809	Down	Up
20328	TraesCS4A03G1253000	0.61515	1.74095	No	No
20329	TraesCS4A03G1253100	0.53528	2.9691	Down	Up
20330	TraesCS4A03G1254000	1.29731	0.26304	Up	Down
20332	TraesCS4A03G1254900	1.35968	2.14384	Up	Up
20333	TraesCS4B03G0000400	2.22868	1.50468	Up	Up
20334	TraesCS4B03G0000500	0.92376	0.82526	Down	Down
20335	TraesCS4B03G0000600	0.54905	3.28813	Down	Up
20336	TraesCS4B03G0000900	1.49478	0.77419	No	No
20338	TraesCS4B03G0002100	1.02262	0.70974	No	No
20339	TraesCS4B03G0002200	0.55233	1.81753	No	No
20340	TraesCS4B03G0002500	0.65778	1.13803	No	No
20342	TraesCS4B03G0003200	1.28072	0.34399	Up	Down
20343	TraesCS4B03G0004300	1.12164	0.31511	Up	Down
20344	TraesCS4B03G0013200	0.67981	0.61704	Down	Down
20345	TraesCS4B03G0013900	0.84973	1.11491	No	No
20346	TraesCS4B03G0013900	0.87697	1.80367	No	No
20347	TraesCS4B03G0014100	1.46622	0.38287	Up	Down
20349	TraesCS4B03G0015000	0.58365	1.31297	No	No
20350	TraesCS4B03G0015700	0.60219	2.45505	Down	Up
20351	TraesCS4B03G0017900	0.72455	1.08613	No	No
20352	TraesCS4B03G0018100	1.02301	1.26723	UP	UP
20353	TraesCS4B03G0019600	0.83586	1.82917	No	No
20355	TraesCS4B03G0021100	0.96059	1.00295	No	No
20356	TraesCS4B03G0021200	1.1198	0.4465	Up	Down
20357	TraesCS4B03G0021300	0.94248	1.20879	No	No
20358	TraesCS4B03G0022900	0.68312	1.41046	No	No
20359	TraesCS4B03G0023200	1.04261	1.17827	UP	UP
20360	TraesCS4B03G0023300	1.14298	1.10611	UP	UP
20362	TraesCS4B03G0025600	0.77353	0.62057	Down	Down
20363	TraesCS4B03G0027400	0.47195	0.72429	Down	Down
20364	TraesCS4B03G0027400	1.1995	0.78677	No	No
20365	TraesCS4B03G0028200	0.93737	1.5169	No	No
20366	TraesCS4B03G0028300	0.91779	2.64831	Down	Up
20367	TraesCS4B03G0028500	0.9106	0.28137	Down	Down
20368	TraesCS4B03G0029700	1.17549	2.29389	Up	Up
20370	TraesCS4B03G0030300	0.72915	1.20888	No	No
20372	TraesCS4B03G0031300	1.67182	0.76778	No	No
20373	TraesCS4B03G0031300	1.00568	0.92004	No	No
20374	TraesCS4B03G0032200	1.87466	1.01125	UP	UP

20375	TraesCS4B03G0032300	0.94416	0.48045	Down	Down
20376	TraesCS4B03G0032400	1.17013	2.32041	Up	Up
20378	TraesCS4B03G0032700	0.96439	0.45255	Down	Down
20379	TraesCS4B03G0032800	0.94897	0.45274	Down	Down
20380	TraesCS4B03G0032900	1.10686	1.48362	UP	UP
20381	TraesCS4B03G0033000	0.85017	0.59084	Down	Down
20382	TraesCS4B03G0033300	1.10056	1.02413	UP	UP
20383	TraesCS4B03G0034700	1.65043	1.1051	UP	UP
20385	TraesCS4B03G0035200	0.68817	2.0408	Down	Up
20386	TraesCS4B03G0035500	2.24388	0.33365	Up	Down
20387	TraesCS4B03G0037900	0.92153	1.28435	No	No
20388	TraesCS4B03G0038300	0.82142	0.96804	Down	Down
20389	TraesCS4B03G0038400	0.75386	2.16195	Down	Up
20390	TraesCS4B03G0038900	0.59835	1.32975	No	No
20391	TraesCS4B03G0039100	1.36853	1.08321	UP	UP
20392	TraesCS4B03G0039300	0.77605	1.95779	No	No
20393	TraesCS4B03G0040800	0.68995	0.93018	Down	Down
20394	TraesCS4B03G0041000	1.22285	1.43257	UP	UP
20396	TraesCS4B03G0041500	1.24683	0.82976	No	No
20397	TraesCS4B03G0043800	1.18825	1.66375	UP	UP
20398	TraesCS4B03G0043900	0.94524	0.80817	Down	Down
20399	TraesCS4B03G0046300	1.74603	0.56736	No	No
20403	TraesCS4B03G0048600	1.28142	0.91477	No	No
20405	TraesCS4B03G0050100	1.52395	2.81606	Up	Up
20406	TraesCS4B03G0050200	0.85387	1.42607	No	No
20407	TraesCS4B03G0050400	0.74447	0.22785	Down	Down
20408	TraesCS4B03G0053300	1.52655	0.44865	Up	Down
20409	TraesCS4B03G0053500	0.97294	1.65333	No	No
20410	TraesCS4B03G0053600	1.10651	1.14828	UP	UP
20413	TraesCS4B03G0057200	0.85126	1.3643	No	No
20414	TraesCS4B03G0057200	1.1548	0.85939	No	No
20415	TraesCS4B03G0057400	0.81057	0.82703	Down	Down
20416	TraesCS4B03G0057500	0.80107	1.22934	No	No
20417	TraesCS4B03G0057600	0.91509	1.69496	No	No
20418	TraesCS4B03G0059500	1.10573	1.27715	UP	UP
20420	TraesCS4B03G0060400	1.58639	0.70812	No	No
20421	TraesCS4B03G0060600	0.74707	1.5421	No	No
20422	TraesCS4B03G0060700	1.25327	0.38758	Up	Down
20423	TraesCS4B03G0061400	0.97856	0.42744	Down	Down
20424	TraesCS4B03G0062000	1.11774	1.27196	UP	UP
20425	TraesCS4B03G0062100	0.79915	1.80998	No	No
20426	TraesCS4B03G0062200	1.11423	0.86117	No	No
20427	TraesCS4B03G0062300	0.77615	2.10704	Down	Up
20428	TraesCS4B03G0063000	0.93948	0.74801	Down	Down
20429	TraesCS4B03G0063100	0.96191	0.65874	Down	Down
20430	TraesCS4B03G0064300	0.60269	1.31137	No	No
20431	TraesCS4B03G0064500	1.15504	0.60756	No	No
20433	TraesCS4B03G0066800	0.68311	0.76726	Down	Down
20434	TraesCS4B03G0066800	1.30479	1.43379	UP	UP
20435	TraesCS4B03G0067400	1.33839	0.33729	Up	Down
20436	TraesCS4B03G0067600	1.21115	0.76006	No	No
20437	TraesCS4B03G0067700	0.90845	1.24319	No	No

20438	TraesCS4B03G0067900	0.98993	2.12867	Down	Up
20442	TraesCS4B03G0069400	1.13279	1.16791	UP	UP
20444	TraesCS4B03G0069800	0.87001	2.10544	Down	Up
20445	TraesCS4B03G0071000	0.63688	2.09868	Down	Up
20446	TraesCS4B03G0071900	1.10427	1.0072	UP	UP
20447	TraesCS4B03G0072000	0.90084	0.81841	Down	Down
20448	TraesCS4B03G0072300	0.83113	0.91508	Down	Down
20451	TraesCS4B03G0072900	0.85364	1.008	No	No
20452	TraesCS4B03G0073000	0.82439	1.62745	No	No
20453	TraesCS4B03G0073600	0.49366	4.5157	Down	Up
20454	TraesCS4B03G0074500	0.80864	0.99325	Down	Down
20455	TraesCS4B03G0075200	1.31033	0.98117	No	No
20456	TraesCS4B03G0075300	1.32094	0.98253	No	No
20457	TraesCS4B03G0077900	0.98609	0.51617	Down	Down
20458	TraesCS4B03G0078000	0.74361	1.17461	No	No
20459	TraesCS4B03G0078100	0.9291	1.18982	No	No
20460	TraesCS4B03G0078300	0.66011	0.88878	Down	Down
20462	TraesCS4B03G0080200	0.84556	1.02026	No	No
20463	TraesCS4B03G0080300	1.04797	1.46222	UP	UP
20464	TraesCS4B03G0080600	1.24667	1.7083	UP	UP
20465	TraesCS4B03G0080700	1.12153	1.09698	UP	UP
20466	TraesCS4B03G0080800	0.75113	1.89609	No	No
20467	TraesCS4B03G0080900	0.75422	1.70199	No	No
20468	TraesCS4B03G0081600	0.93133	0.52935	Down	Down
20469	TraesCS4B03G0081700	1.01533	0.44512	Up	Down
20470	TraesCS4B03G0082200	0.64556	2.52944	Down	Up
20471	TraesCS4B03G0082500	0.76509	8.43245	Down	Up
20472	TraesCS4B03G0082800	0.50035	2.34304	Down	Up
20473	TraesCS4B03G0083100	1.33805	0.77532	No	No
20474	TraesCS4B03G0083400	0.94416	0.49655	Down	Down
20475	TraesCS4B03G0084000	0.64309	2.79797	Down	Up
20476	TraesCS4B03G0084300	1.05824	0.68239	No	No
20477	TraesCS4B03G0084700	0.7781	0.95918	Down	Down
20479	TraesCS4B03G0084900	0.61664	0.75177	Down	Down
20480	TraesCS4B03G0085500	0.81352	0.65706	Down	Down
20481	TraesCS4B03G0086000	0.77345	1.82457	No	No
20482	TraesCS4B03G0086100	0.82146	0.35172	Down	Down
20483	TraesCS4B03G0087000	1.06649	0.95018	No	No
20484	TraesCS4B03G0088400	0.74834	1.66873	No	No
20485	TraesCS4B03G0088500	0.85739	1.41483	No	No
20486	TraesCS4B03G0089300	1.0443	0.74465	No	No
20487	TraesCS4B03G0089400	1.47121	0.2183	Up	Down
20488	TraesCS4B03G0089500	0.82237	1.08669	No	No
20489	TraesCS4B03G0089900	0.92712	2.36396	Down	Up
20490	TraesCS4B03G0090000	0.94236	0.67419	Down	Down
20491	TraesCS4B03G0090000	1.0164	0.41515	Up	Down
20492	TraesCS4B03G0090200	1.00393	0.66987	No	No
20493	TraesCS4B03G0090300	1.2582	1.47653	UP	UP
20494	TraesCS4B03G0092600	1.0855	0.63108	No	No
20496	TraesCS4B03G0092800	1.13087	0.52481	No	No
20497	TraesCS4B03G0093100	1.25543	0.79717	No	No
20498	TraesCS4B03G0094000	1.0215	0.49293	Up	Down

20499	TraesCS4B03G0094800	1.27618	1.06489	UP	UP
20500	TraesCS4B03G0095000	0.96721	1.60664	No	No
20501	TraesCS4B03G0095100	1.04344	0.56426	No	No
20502	TraesCS4B03G0095900	0.76709	0.956	Down	Down
20503	TraesCS4B03G0096200	0.71777	0.62655	Down	Down
20504	TraesCS4B03G0096300	0.86831	0.59023	Down	Down
20505	TraesCS4B03G0096500	0.89878	1.27591	No	No
20506	TraesCS4B03G0096600	0.93561	2.26708	Down	Up
20507	TraesCS4B03G0096800	1.51313	1.11175	UP	UP
20508	TraesCS4B03G0097500	0.52558	1.05979	No	No
20509	TraesCS4B03G0097700	0.96437	0.40682	Down	Down
20510	TraesCS4B03G0097800	0.99937	1.49628	No	No
20511	TraesCS4B03G0098100	0.82515	1.1944	No	No
20512	TraesCS4B03G0098200	1.00085	1.94285	UP	UP
20513	TraesCS4B03G0098300	1.24524	0.24436	Up	Down
20514	TraesCS4B03G0098700	0.978	1.10447	No	No
20515	TraesCS4B03G0099100	1.10743	1.98553	UP	UP
20516	TraesCS4B03G0099300	0.83616	2.59007	Down	Up
20517	TraesCS4B03G0099600	0.92546	1.80111	No	No
20518	TraesCS4B03G0100000	0.9384	1.53258	No	No
20519	TraesCS4B03G0100100	0.96857	1.46882	No	No
20521	TraesCS4B03G0100500	1.08214	1.08911	UP	UP
20522	TraesCS4B03G0101000	0.78654	2.07675	Down	Up
20523	TraesCS4B03G0101300	0.78217	1.36796	No	No
20524	TraesCS4B03G0101400	0.94749	0.90028	Down	Down
20526	TraesCS4B03G0102800	1.01127	1.57102	UP	UP
20527	TraesCS4B03G0103000	0.72522	1.84553	No	No
20528	TraesCS4B03G0103100	0.86922	0.2956	Down	Down
20529	TraesCS4B03G0103300	0.85102	1.56412	No	No
20533	TraesCS4B03G0107300	0.85332	1.66891	No	No
20534	TraesCS4B03G0107600	0.86664	1.97181	No	No
20535	TraesCS4B03G0108900	1.11177	0.31815	Up	Down
20536	TraesCS4B03G0109300	0.85838	0.98428	Down	Down
20537	TraesCS4B03G0109500	0.92639	2.07391	Down	Up
20539	TraesCS4B03G0110100	1.1822	1.91102	UP	UP
20540	TraesCS4B03G0110200	0.85844	0.77149	Down	Down
20541	TraesCS4B03G0111000	1.11987	0.2391	Up	Down
20542	TraesCS4B03G0112000	1.21834	0.91229	No	No
20544	TraesCS4B03G0112600	0.89355	1.17867	No	No
20545	TraesCS4B03G0113000	0.55742	3.18436	Down	Up
20546	TraesCS4B03G0113600	0.9218	1.16945	No	No
20547	TraesCS4B03G0113700	2.12898	0.72126	Up	Down
20548	TraesCS4B03G0113900	0.44248	2.03487	Down	Up
20549	TraesCS4B03G0114400	1.13196	1.68387	UP	UP
20550	TraesCS4B03G0116400	1.00301	0.60174	No	No
20551	TraesCS4B03G0116900	1.13513	1.49344	UP	UP
20552	TraesCS4B03G0117000	0.81766	0.5997	Down	Down
20555	TraesCS4B03G0117300	0.93395	1.01811	No	No
20556	TraesCS4B03G0117400	1.22505	0.20661	Up	Down
20557	TraesCS4B03G0117500	1.40031	6.44841	Up	Up
20558	TraesCS4B03G0118900	0.6021	1.12703	No	No
20559	TraesCS4B03G0119000	0.53503	2.6652	Down	Up

20560	TraesCS4B03G0121100	0.67848	1.59611	No	No
20561	TraesCS4B03G0121400	0.58663	2.14253	Down	Up
20563	TraesCS4B03G0122000	0.953	1.22178	No	No
20564	TraesCS4B03G0122500	0.89915	0.78008	Down	Down
20565	TraesCS4B03G0122800	1.49747	1.55397	UP	UP
20566	TraesCS4B03G0123900	0.968	1.55236	No	No
20567	TraesCS4B03G0124200	1.16539	0.83582	No	No
20568	TraesCS4B03G0124500	0.61082	0.73783	Down	Down
20569	TraesCS4B03G0124800	1.09521	0.23651	Up	Down
20570	TraesCS4B03G0125400	0.84904	1.07214	No	No
20571	TraesCS4B03G0125500	1.12322	2.0734	Up	Up
20572	TraesCS4B03G0125700	1.43772	2.07275	Up	Up
20573	TraesCS4B03G0126400	1.59658	0.83506	No	No
20574	TraesCS4B03G0127100	1.12464	1.00595	UP	UP
20575	TraesCS4B03G0127200	0.98857	1.56929	No	No
20576	TraesCS4B03G0127500	0.48674	1.60354	Down	Up
20577	TraesCS4B03G0128200	4.57341	2.17813	Up	Up
20578	TraesCS4B03G0128700	1.77911	1.06891	UP	UP
20580	TraesCS4B03G0129200	0.66663	0.81931	Down	Down
20581	TraesCS4B03G0129300	1.85144	0.86512	No	No
20582	TraesCS4B03G0129600	0.61974	5.35392	Down	Up
20583	TraesCS4B03G0130400	0.92983	0.9806	Down	Down
20584	TraesCS4B03G0131300	0.94839	0.63139	Down	Down
20585	TraesCS4B03G0131600	1.20847	1.60556	UP	UP
20586	TraesCS4B03G0131800	1.50077	0.29349	Up	Down
20587	TraesCS4B03G0134200	1.02979	2.86824	Up	Up
20588	TraesCS4B03G0134400	1.02593	1.61279	UP	UP
20589	TraesCS4B03G0134500	0.68894	1.38381	No	No
20590	TraesCS4B03G0134700	0.78919	0.17964	Down	Down
20591	TraesCS4B03G0135200	0.94163	1.61078	No	No
20592	TraesCS4B03G0135300	1.26959	0.92522	No	No
20594	TraesCS4B03G0135700	1.6094	0.48613	Up	Down
20595	TraesCS4B03G0136400	0.78333	0.34426	Down	Down
20596	TraesCS4B03G0136600	1.17863	0.49087	Up	Down
20597	TraesCS4B03G0136900	1.1688	0.2563	Up	Down
20598	TraesCS4B03G0137200	0.81829	2.28558	Down	Up
20601	TraesCS4B03G0139500	0.74723	3.83283	Down	Up
20602	TraesCS4B03G0141600	0.53675	0.94226	Down	Down
20603	TraesCS4B03G0142100	0.94242	2.61188	Down	Up
20604	TraesCS4B03G0142300	1.04579	1.08603	UP	UP
20605	TraesCS4B03G0143500	0.88726	1.44607	No	No
20606	TraesCS4B03G0146300	0.78695	0.15445	Down	Down
20607	TraesCS4B03G0146300	1.09988	2.53136	Up	Up
20609	TraesCS4B03G0147600	0.94089	0.31805	Down	Down
20610	TraesCS4B03G0147700	0.97536	2.27867	Down	Up
20611	TraesCS4B03G0147800	0.41705	0.96029	Down	Down
20612	TraesCS4B03G0148100	0.94789	0.96654	Down	Down
20613	TraesCS4B03G0148500	0.56539	3.19904	Down	Up
20614	TraesCS4B03G0148600	1.10778	1.34052	UP	UP
20615	TraesCS4B03G0148700	0.62895	1.41397	No	No
20616	TraesCS4B03G0148700	1.28013	0.58074	No	No
20617	TraesCS4B03G0148800	1.1871	0.84461	No	No

20618	TraesCS4B03G0149400	1.09848	1.10485	UP	UP
20619	TraesCS4B03G0149800	1.08459	1.26103	UP	UP
20620	TraesCS4B03G0150100	1.1284	1.16672	UP	UP
20621	TraesCS4B03G0150800	0.6634	1.66569	No	No
20622	TraesCS4B03G0150900	1.50445	1.77703	UP	UP
20624	TraesCS4B03G0152200	1.14923	0.33405	Up	Down
20625	TraesCS4B03G0152700	0.75498	4.18622	Down	Up
20626	TraesCS4B03G0152900	1.21163	0.30116	Up	Down
20627	TraesCS4B03G0153300	0.97293	1.57323	No	No
20628	TraesCS4B03G0154400	1.32904	0.97981	No	No
20629	TraesCS4B03G0154700	0.71133	1.01136	No	No
20630	TraesCS4B03G0155100	1.54641	0.4228	Up	Down
20631	TraesCS4B03G0155400	0.42349	1.413	Down	Up
20632	TraesCS4B03G0155600	0.35593	3.78106	Down	Up
20633	TraesCS4B03G0155700	0.76715	1.18643	No	No
20634	TraesCS4B03G0157900	0.85058	1.61723	No	No
20635	TraesCS4B03G0158500	3.28278	0.88956	Up	Down
20637	TraesCS4B03G0158900	1.0199	0.7851	No	No
20639	TraesCS4B03G0160200	0.81287	1.83576	No	No
20640	TraesCS4B03G0162700	0.75939	1.42662	No	No
20641	TraesCS4B03G0163100	0.68979	1.75844	No	No
20642	TraesCS4B03G0163900	0.99631	3.24836	Down	Up
20643	TraesCS4B03G0164400	1.06355	1.50876	UP	UP
20644	TraesCS4B03G0165200	1.41661	0.94537	No	No
20645	TraesCS4B03G0165300	1.03706	1.01396	UP	UP
20647	TraesCS4B03G0166800	1.12659	0.87479	No	No
20649	TraesCS4B03G0167200	0.77743	0.42639	Down	Down
20650	TraesCS4B03G0168800	0.36059	0.96869	Down	Down
20651	TraesCS4B03G0169000	0.7662	1.13172	No	No
20652	TraesCS4B03G0169300	1.04321	1.66958	UP	UP
20653	TraesCS4B03G0169400	0.69151	1.32346	No	No
20654	TraesCS4B03G0169500	1.11814	1.39208	UP	UP
20656	TraesCS4B03G0173600	0.75504	1.31575	No	No
20657	TraesCS4B03G0174200	1.15352	1.71382	UP	UP
20658	TraesCS4B03G0175100	3.03265	1.1026	Up	Up
20661	TraesCS4B03G0176100	1.36349	0.27415	Up	Down
20662	TraesCS4B03G0176400	1.12635	2.39308	Up	Up
20663	TraesCS4B03G0177400	1.33335	1.15573	UP	UP
20664	TraesCS4B03G0177600	0.68702	0.78525	Down	Down
20665	TraesCS4B03G0179100	1.23289	0.95025	No	No
20666	TraesCS4B03G0179400	0.60659	1.76248	No	No
20667	TraesCS4B03G0179500	1.04225	1.09638	UP	UP
20670	TraesCS4B03G0181500	0.92005	1.12357	No	No
20671	TraesCS4B03G0182800	0.73519	1.72921	No	No
20672	TraesCS4B03G0183000	1.23279	1.27292	UP	UP
20673	TraesCS4B03G0183100	1.06354	0.85017	No	No
20674	TraesCS4B03G0183900	0.93353	1.50642	No	No
20675	TraesCS4B03G0184000	0.73621	1.56594	No	No
20676	TraesCS4B03G0184500	3.5821	0.23153	Up	Down
20679	TraesCS4B03G0186000	0.67981	0.54818	Down	Down
20681	TraesCS4B03G0186400	1.3896	0.63362	No	No
20682	TraesCS4B03G0187300	0.76365	0.90491	Down	Down

20683	TraesCS4B03G0188200	1.05227	1.26167	UP	UP
20684	TraesCS4B03G0188800	1.05126	0.3292	Up	Down
20685	TraesCS4B03G0189100	0.91393	0.70749	Down	Down
20686	TraesCS4B03G0189300	1.23517	1.57295	UP	UP
20687	TraesCS4B03G0189400	1.00376	1.00776	UP	UP
20688	TraesCS4B03G0189600	0.95705	1.03402	No	No
20689	TraesCS4B03G0189800	0.9735	2.07683	Down	Up
20690	TraesCS4B03G0191100	0.78625	1.51493	No	No
20692	TraesCS4B03G0192200	0.90619	3.52009	Down	Up
20693	TraesCS4B03G0193000	1.20784	0.77359	No	No
20694	TraesCS4B03G0193100	0.7633	3.68004	Down	Up
20695	TraesCS4B03G0194200	0.98705	0.69007	Down	Down
20696	TraesCS4B03G0194400	0.72793	0.68662	Down	Down
20699	TraesCS4B03G0196200	1.19324	0.5075	No	No
20700	TraesCS4B03G0196300	1.05061	0.78414	No	No
20701	TraesCS4B03G0196500	1.14417	1.22429	UP	UP
20702	TraesCS4B03G0196500	1.10756	0.43862	Up	Down
20703	TraesCS4B03G0197000	1.13456	1.06966	UP	UP
20704	TraesCS4B03G0197700	1.6708	0.6815	No	No
20705	TraesCS4B03G0198300	1.3391	0.79832	No	No
20707	TraesCS4B03G0199500	1.08896	0.92889	No	No
20709	TraesCS4B03G0202400	0.95977	0.36469	Down	Down
20710	TraesCS4B03G0203000	0.72748	1.22254	No	No
20711	TraesCS4B03G0203200	0.81382	0.0639	Down	Down
20713	TraesCS4B03G0204800	0.90802	0.46918	Down	Down
20716	TraesCS4B03G0206500	0.52454	0.89635	Down	Down
20717	TraesCS4B03G0206500	1.08678	2.02548	Up	Up
20718	TraesCS4B03G0207100	1.13331	1.46952	UP	UP
20719	TraesCS4B03G0207900	1.12639	1.05631	UP	UP
20720	TraesCS4B03G0208000	1.00856	0.10015	Up	Down
20722	TraesCS4B03G0209500	0.70402	3.86429	Down	Up
20723	TraesCS4B03G0209600	0.77239	1.81621	No	No
20724	TraesCS4B03G0210400	0.50545	9.35758	Down	Up
20725	TraesCS4B03G0210800	0.32406	8.21055	Down	Up
20726	TraesCS4B03G0211500	0.76669	4.22225	Down	Up
20727	TraesCS4B03G0211800	0.27823	8.45508	Down	Up
20728	TraesCS4B03G0212100	0.4403	6.60852	Down	Up
20729	TraesCS4B03G0212800	1.09211	0.75082	No	No
20730	TraesCS4B03G0212900	0.87579	0.57101	Down	Down
20732	TraesCS4B03G0213900	1.2874	1.20893	UP	UP
20733	TraesCS4B03G0214800	0.90598	1.8598	No	No
20734	TraesCS4B03G0215500	0.85855	1.57115	No	No
20735	TraesCS4B03G0215600	0.934	1.32922	No	No
20739	TraesCS4B03G0217700	1.16371	1.89737	UP	UP
20741	TraesCS4B03G0220600	0.72328	2.39776	Down	Up
20742	TraesCS4B03G0221400	0.77873	1.56438	No	No
20744	TraesCS4B03G0222100	1.02629	0.70835	No	No
20745	TraesCS4B03G0222100	1.4	0.56779	No	No
20746	TraesCS4B03G0222200	1.35704	0.70034	No	No
20747	TraesCS4B03G0222900	1.22095	1.02837	UP	UP
20748	TraesCS4B03G0223600	1.17554	0.83067	No	No
20749	TraesCS4B03G0224400	2.38908	0.32774	Up	Down

20750	TraesCS4B03G0224500	0.96877	0.67316	Down	Down
20752	TraesCS4B03G0225900	0.64959	1.15059	No	No
20753	TraesCS4B03G0226500	0.86548	1.38198	No	No
20754	TraesCS4B03G0228100	1.14015	0.77272	No	No
20755	TraesCS4B03G0228300	0.80137	1.18413	No	No
20756	TraesCS4B03G0229300	0.85372	0.16427	Down	Down
20757	TraesCS4B03G0229600	0.7271	1.35535	No	No
20758	TraesCS4B03G0230700	1.31655	1.02945	UP	UP
20759	TraesCS4B03G0230900	1.43068	0.62257	No	No
20760	TraesCS4B03G0231400	1.14961	1.20189	UP	UP
20761	TraesCS4B03G0231600	0.5395	7.85067	Down	Up
20762	TraesCS4B03G0231900	0.84977	1.17732	No	No
20763	TraesCS4B03G0232600	1.29558	1.00107	UP	UP
20764	TraesCS4B03G0232900	1.24566	2.34512	Up	Up
20765	TraesCS4B03G0233800	0.76106	1.4843	No	No
20766	TraesCS4B03G0233900	0.98838	0.79861	Down	Down
20767	TraesCS4B03G0237200	1.21689	1.33955	UP	UP
20768	TraesCS4B03G0237300	1.19725	0.92289	No	No
20769	TraesCS4B03G0237900	1.01998	1.91793	UP	UP
20770	TraesCS4B03G0238300	1.24043	0.95602	No	No
20771	TraesCS4B03G0238300	1.28524	0.94673	No	No
20772	TraesCS4B03G0239000	0.70735	0.20284	Down	Down
20773	TraesCS4B03G0239400	1.02027	1.85636	UP	UP
20776	TraesCS4B03G0240700	0.98161	0.68044	Down	Down
20779	TraesCS4B03G0242200	1.84809	1.0281	UP	UP
20780	TraesCS4B03G0242300	0.74513	2.42584	Down	Up
20781	TraesCS4B03G0242600	1.13648	1.1418	UP	UP
20784	TraesCS4B03G0243600	1.22803	0.28767	Up	Down
20786	TraesCS4B03G0244500	0.83426	0.48165	Down	Down
20788	TraesCS4B03G0245000	0.75245	1.20198	No	No
20789	TraesCS4B03G0245200	1.10287	0.82864	No	No
20790	TraesCS4B03G0245300	1.14285	0.75575	No	No
20791	TraesCS4B03G0245600	0.74998	1.04568	No	No
20793	TraesCS4B03G0245800	0.92028	0.3913	Down	Down
20794	TraesCS4B03G0246100	1.25029	0.52027	No	No
20795	TraesCS4B03G0246400	1.12444	2.43402	Up	Up
20797	TraesCS4B03G0249700	1.04053	0.53931	No	No
20798	TraesCS4B03G0250100	0.86583	3.85498	Down	Up
20799	TraesCS4B03G0250700	0.8185	0.28191	Down	Down
20801	TraesCS4B03G0251300	1.09106	1.52143	UP	UP
20802	TraesCS4B03G0252100	1.1433	0.97005	No	No
20803	TraesCS4B03G0252400	0.80375	1.32366	No	No
20804	TraesCS4B03G0253300	0.73405	0.78553	Down	Down
20805	TraesCS4B03G0253800	0.85274	1.56964	No	No
20806	TraesCS4B03G0254000	0.57751	5.39082	Down	Up
20807	TraesCS4B03G0254100	1.18383	0.68404	No	No
20808	TraesCS4B03G0254200	0.66079	1.62919	No	No
20810	TraesCS4B03G0254500	1.04645	1.93099	UP	UP
20811	TraesCS4B03G0255000	1.16634	0.14691	Up	Down
20812	TraesCS4B03G0256200	0.81817	17.8295	Down	Up
20813	TraesCS4B03G0256300	0.89173	1.01288	No	No
20814	TraesCS4B03G0256600	1.40902	0.89693	No	No

20816	TraesCS4B03G0257600	1.45462	2.88566	Up	Up
20819	TraesCS4B03G0258400	0.70708	1.34773	No	No
20820	TraesCS4B03G0258900	1.30793	1.3153	UP	UP
20822	TraesCS4B03G0260700	1.20324	0.9444	No	No
20823	TraesCS4B03G0261000	1.19507	1.15082	UP	UP
20824	TraesCS4B03G0261400	1.0658	0.80429	No	No
20825	TraesCS4B03G0262800	1.02881	0.43715	Up	Down
20826	TraesCS4B03G0263100	0.60618	3.66242	Down	Up
20827	TraesCS4B03G0263800	0.56932	1.57751	No	No
20828	TraesCS4B03G0263900	1.06451	0.91141	No	No
20829	TraesCS4B03G0264100	1.50573	1.32482	UP	UP
20830	TraesCS4B03G0264500	0.60042	2.32051	Down	Up
20831	TraesCS4B03G0265400	1.07881	2.41466	Up	Up
20832	TraesCS4B03G0267900	0.43633	4.19881	Down	Up
20833	TraesCS4B03G0268000	0.60689	1.61251	No	No
20834	TraesCS4B03G0269000	1.21133	1.23089	UP	UP
20835	TraesCS4B03G0269400	1.13976	0.27273	Up	Down
20836	TraesCS4B03G0269500	1.05164	0.54616	No	No
20837	TraesCS4B03G0270100	1.38702	0.47516	Up	Down
20840	TraesCS4B03G0272200	1.09689	1.29742	UP	UP
20841	TraesCS4B03G0273700	1.04459	1.14001	UP	UP
20842	TraesCS4B03G0273800	1.24582	1.72323	UP	UP
20843	TraesCS4B03G0274500	1.35032	2.68284	Up	Up
20844	TraesCS4B03G0274800	0.86615	0.56718	Down	Down
20845	TraesCS4B03G0275100	0.63105	0.43206	Down	Down
20846	TraesCS4B03G0275600	1.18149	1.81942	UP	UP
20848	TraesCS4B03G0277600	1.49612	0.04087	Up	Down
20849	TraesCS4B03G0278400	0.55894	0.50904	Down	Down
20850	TraesCS4B03G0278600	0.95938	1.78812	No	No
20851	TraesCS4B03G0279600	0.81751	0.52518	Down	Down
20852	TraesCS4B03G0279900	0.87834	1.74822	No	No
20853	TraesCS4B03G0280000	1.00556	0.82898	No	No
20856	TraesCS4B03G0281500	0.9032	1.59577	No	No
20857	TraesCS4B03G0282100	0.93484	1.0326	No	No
20858	TraesCS4B03G0282800	1.96785	0.19604	Up	Down
20861	TraesCS4B03G0283300	1.11615	1.02579	UP	UP
20862	TraesCS4B03G0283400	0.87837	3.21584	Down	Up
20864	TraesCS4B03G0283800	0.63162	1.71399	No	No
20865	TraesCS4B03G0285800	1.12864	1.15433	UP	UP
20866	TraesCS4B03G0286200	0.74016	0.87328	Down	Down
20870	TraesCS4B03G0286800	1.15221	1.81013	UP	UP
20871	TraesCS4B03G0287000	1.37294	0.64891	No	No
20872	TraesCS4B03G0287500	0.96482	0.99931	Down	Down
20873	TraesCS4B03G0287600	1.59058	1.09016	UP	UP
20874	TraesCS4B03G0287700	1.26167	1.37981	UP	UP
20878	TraesCS4B03G0288400	1.78269	0.32685	Up	Down
20880	TraesCS4B03G0289000	2.15895	1.12716	Up	Up
20882	TraesCS4B03G0290200	1.72989	1.08056	UP	UP
20884	TraesCS4B03G0290400	1.02329	2.95726	Up	Up
20885	TraesCS4B03G0291200	1.4809	0.90621	No	No
20886	TraesCS4B03G0292000	1.06367	1.02361	UP	UP
20887	TraesCS4B03G0292700	0.91644	1.06058	No	No

20889	TraesCS4B03G0293800	0.93566	1.70375	No	No
20890	TraesCS4B03G0294600	1.19934	1.34514	UP	UP
20893	TraesCS4B03G0297000	0.90048	0.62966	Down	Down
20895	TraesCS4B03G0298300	1.16818	1.02128	UP	UP
20897	TraesCS4B03G0300900	0.53359	1.60602	No	No
20898	TraesCS4B03G0301000	1.63966	0.7162	No	No
20899	TraesCS4B03G0301100	0.65561	1.53985	No	No
20900	TraesCS4B03G0302100	2.1823	0.3042	Up	Down
20901	TraesCS4B03G0302200	1.1161	1.0226	UP	UP
20902	TraesCS4B03G0302400	1.22025	1.65679	UP	UP
20903	TraesCS4B03G0302400	0.80077	0.83946	Down	Down
20904	TraesCS4B03G0303200	0.68466	1.27167	No	No
20905	TraesCS4B03G0304200	1.0093	1.14883	UP	UP
20906	TraesCS4B03G0304700	0.67349	1.61777	No	No
20907	TraesCS4B03G0305000	0.68766	1.54605	No	No
20908	TraesCS4B03G0305100	1.19628	0.3171	Up	Down
20909	TraesCS4B03G0305100	1.25764	0.19917	Up	Down
20910	TraesCS4B03G0305300	1.15194	0.74347	No	No
20913	TraesCS4B03G0306300	0.65373	0.89956	Down	Down
20916	TraesCS4B03G0307700	3.04123	0.2075	Up	Down
20917	TraesCS4B03G0307700	2.56149	0.4593	Up	Down
20918	TraesCS4B03G0308200	0.96582	1.13521	No	No
20919	TraesCS4B03G0308400	1.46809	0.90921	No	No
20920	TraesCS4B03G0308800	1.15765	1.29256	UP	UP
20921	TraesCS4B03G0309100	1.06456	0.83177	No	No
20922	TraesCS4B03G0310300	1.0798	1.52731	UP	UP
20923	TraesCS4B03G0310600	0.6248	3.75383	Down	Up
20925	TraesCS4B03G0311800	0.84474	1.11211	No	No
20926	TraesCS4B03G0312000	1.5091	0.88803	No	No
20927	TraesCS4B03G0312100	0.7381	0.74185	Down	Down
20928	TraesCS4B03G0312200	0.84074	1.15591	No	No
20929	TraesCS4B03G0312800	1.24205	1.40239	UP	UP
20930	TraesCS4B03G0313800	0.68726	1.05373	No	No
20931	TraesCS4B03G0314200	0.95298	0.97501	Down	Down
20934	TraesCS4B03G0314500	0.87183	1.47091	No	No
20935	TraesCS4B03G0314700	0.93932	0.93156	Down	Down
20936	TraesCS4B03G0316900	1.47432	0.74223	No	No
20937	TraesCS4B03G0317000	0.66114	1.64926	No	No
20938	TraesCS4B03G0317200	1.27988	1.48176	UP	UP
20941	TraesCS4B03G0317800	1.16873	0.88165	No	No
20942	TraesCS4B03G0318300	0.4261	1.91245	Down	Up
20945	TraesCS4B03G0320200	0.7315	0.94107	Down	Down
20946	TraesCS4B03G0320300	0.90512	0.88919	Down	Down
20947	TraesCS4B03G0320700	0.56605	3.09382	Down	Up
20949	TraesCS4B03G0321200	1.03895	1.2046	UP	UP
20950	TraesCS4B03G0321600	1.28396	0.93013	No	No
20951	TraesCS4B03G0321700	0.82428	0.77051	Down	Down
20952	TraesCS4B03G0322400	0.95377	0.50669	Down	Down
20953	TraesCS4B03G0322500	1.11162	1.45034	UP	UP
20955	TraesCS4B03G0323900	1.03528	1.4327	UP	UP
20956	TraesCS4B03G0324200	0.89783	0.78596	Down	Down
20958	TraesCS4B03G0325200	0.92416	1.54392	No	No

20959	TraesCS4B03G0325400	1.30753	1.2115	UP	UP
20960	TraesCS4B03G0325700	1.12144	1.53665	UP	UP
20961	TraesCS4B03G0326000	1.30177	1.29258	UP	UP
20962	TraesCS4B03G0326100	1.03643	0.79748	No	No
20963	TraesCS4B03G0326300	1.57574	0.54906	No	No
20964	TraesCS4B03G0327500	0.81652	0.19639	Down	Down
20965	TraesCS4B03G0327500	3.34148	0.46944	Up	Down
20966	TraesCS4B03G0328900	0.73263	0.77355	Down	Down
20967	TraesCS4B03G0329400	0.96095	1.11874	No	No
20968	TraesCS4B03G0331700	1.39571	2.72602	Up	Up
20969	TraesCS4B03G0333100	1.44822	0.4754	Up	Down
20970	TraesCS4B03G0333200	0.90049	0.78995	Down	Down
20971	TraesCS4B03G0333800	0.93931	1.46474	No	No
20972	TraesCS4B03G0333900	0.74819	1.17259	No	No
20973	TraesCS4B03G0334500	0.65994	1.43315	No	No
20974	TraesCS4B03G0335600	1.65416	0.66937	No	No
20978	TraesCS4B03G0337900	1.11412	1.54131	UP	UP
20981	TraesCS4B03G0338900	0.97597	0.96915	Down	Down
20983	TraesCS4B03G0339600	1.02258	0.98926	No	No
20984	TraesCS4B03G0339700	0.79978	1.85068	No	No
20986	TraesCS4B03G0343200	0.66161	2.65771	Down	Up
20989	TraesCS4B03G0345000	1.09225	1.29737	UP	UP
20990	TraesCS4B03G0345000	0.63822	1.19677	No	No
20991	TraesCS4B03G0345200	0.84178	2.09766	Down	Up
20993	TraesCS4B03G0346100	0.98156	0.89304	Down	Down
20995	TraesCS4B03G0349100	0.73383	1.67275	No	No
20996	TraesCS4B03G0349100	1.21786	2.23882	Up	Up
21002	TraesCS4B03G0359200	0.90996	0.97666	Down	Down
21003	TraesCS4B03G0359200	0.89174	0.57603	Down	Down
21004	TraesCS4B03G0359700	1.12235	0.87762	No	No
21005	TraesCS4B03G0360400	1.07909	1.49746	UP	UP
21007	TraesCS4B03G0360900	0.54476	0.75033	Down	Down
21010	TraesCS4B03G0361900	1.21273	0.92628	No	No
21013	TraesCS4B03G0363100	0.61459	0.78961	Down	Down
21014	TraesCS4B03G0363400	0.50489	0.66148	Down	Down
21016	TraesCS4B03G0364300	1.30067	1.25712	UP	UP
21017	TraesCS4B03G0364400	0.83838	2.44955	Down	Up
21018	TraesCS4B03G0366200	0.85435	0.79145	Down	Down
21020	TraesCS4B03G0371800	1.30404	1.4702	UP	UP
21022	TraesCS4B03G0373400	0.89538	0.76227	Down	Down
21027	TraesCS4B03G0376000	1.06563	0.51693	No	No
21032	TraesCS4B03G0377100	0.87229	1.16017	No	No
21040	TraesCS4B03G0382500	0.91192	1.31021	No	No
21041	TraesCS4B03G0382600	1.09494	0.75764	No	No
21042	TraesCS4B03G0384600	1.127	0.97767	No	No
21044	TraesCS4B03G0385500	1.64668	1.08646	UP	UP
21050	TraesCS4B03G0387400	0.84106	0.87352	Down	Down
21051	TraesCS4B03G0387800	1.12157	1.71469	UP	UP
21054	TraesCS4B03G0390700	0.98043	1.14497	No	No
21056	TraesCS4B03G0392100	1.1557	1.2128	UP	UP
21057	TraesCS4B03G0394700	1.71104	0.56311	No	No
21060	TraesCS4B03G0397900	0.8943	0.83958	Down	Down

21061	TraesCS4B03G0398400	1.47216	0.20723	Up	Down
21062	TraesCS4B03G0398400	1.83013	0.26745	Up	Down
21063	TraesCS4B03G0399300	1.0273	1.61694	UP	UP
21066	TraesCS4B03G0399800	0.91267	0.84987	Down	Down
21067	TraesCS4B03G0400500	1.24447	1.16064	UP	UP
21068	TraesCS4B03G0400800	0.87856	2.13225	Down	Up
21069	TraesCS4B03G0401800	1.12518	0.87367	No	No
21070	TraesCS4B03G0401900	1.34231	0.8965	No	No
21071	TraesCS4B03G0402500	0.8201	1.73439	No	No
21072	TraesCS4B03G0403000	0.8914	0.93787	Down	Down
21073	TraesCS4B03G0403600	1.85801	0.48989	Up	Down
21074	TraesCS4B03G0404100	1.10095	1.1783	UP	UP
21075	TraesCS4B03G0404200	0.87107	1.59079	No	No
21076	TraesCS4B03G0404700	1.11684	2.41258	Up	Up
21077	TraesCS4B03G0404800	1.09766	0.86912	No	No
21078	TraesCS4B03G0405400	1.59683	0.29443	Up	Down
21079	TraesCS4B03G0405900	0.93882	1.51393	No	No
21083	TraesCS4B03G0407800	1.03694	1.03551	UP	UP
21084	TraesCS4B03G0408600	1.20452	0.69116	No	No
21085	TraesCS4B03G0408900	0.8674	0.54495	Down	Down
21086	TraesCS4B03G0409300	0.99239	0.53289	Down	Down
21090	TraesCS4B03G0411300	0.80643	0.23298	Down	Down
21093	TraesCS4B03G0412900	0.78112	0.71553	Down	Down
21094	TraesCS4B03G0413200	0.64301	1.65426	No	No
21097	TraesCS4B03G0414800	0.87367	0.41967	Down	Down
21098	TraesCS4B03G0415200	1.4113	0.98952	No	No
21099	TraesCS4B03G0416300	0.78429	1.0036	No	No
21103	TraesCS4B03G0417400	1.34285	1.12699	UP	UP
21105	TraesCS4B03G0420900	0.91774	0.82499	Down	Down
21106	TraesCS4B03G0421300	0.88465	1.51316	No	No
21107	TraesCS4B03G0421800	0.85753	0.71197	Down	Down
21108	TraesCS4B03G0422000	0.90159	1.62256	No	No
21109	TraesCS4B03G0422100	1.21139	1.10159	UP	UP
21110	TraesCS4B03G0422400	1.01726	0.33697	Up	Down
21112	TraesCS4B03G0428600	1.12781	1.3926	UP	UP
21113	TraesCS4B03G0428900	0.88005	0.71319	Down	Down
21114	TraesCS4B03G0430100	0.84638	0.74534	Down	Down
21118	TraesCS4B03G0431700	1.01769	2.1641	Up	Up
21119	TraesCS4B03G0432600	0.90327	0.63289	Down	Down
21121	TraesCS4B03G0433700	1.13682	0.5248	No	No
21122	TraesCS4B03G0433900	1.04475	0.64142	No	No
21123	TraesCS4B03G0434300	1.09287	1.3463	UP	UP
21124	TraesCS4B03G0434400	1.21332	1.17834	UP	UP
21125	TraesCS4B03G0435800	0.67366	2.08495	Down	Up
21126	TraesCS4B03G0437700	0.89979	0.85235	Down	Down
21127	TraesCS4B03G0438500	1.1524	0.89068	No	No
21128	TraesCS4B03G0439100	1.45652	0.19988	Up	Down
21129	TraesCS4B03G0439800	0.58538	0.9822	Down	Down
21130	TraesCS4B03G0440000	1.05106	0.68594	No	No
21132	TraesCS4B03G0442200	0.71076	0.83116	Down	Down
21134	TraesCS4B03G0444500	1.05805	1.14328	UP	UP
21136	TraesCS4B03G0445800	0.95957	1.70063	No	No

21137	TraesCS4B03G0446500	0.88622	0.52233	Down	Down
21138	TraesCS4B03G0447500	0.88696	1.32871	No	No
21140	TraesCS4B03G0448800	0.9822	0.80457	Down	Down
21141	TraesCS4B03G0449000	1.02001	1.23351	UP	UP
21143	TraesCS4B03G0452600	1.02908	3.11491	Up	Up
21144	TraesCS4B03G0454300	0.61842	1.04892	No	No
21145	TraesCS4B03G0454700	0.92271	1.31155	No	No
21146	TraesCS4B03G0456000	1.31348	1.84404	UP	UP
21147	TraesCS4B03G0456000	1.22087	1.61566	UP	UP
21148	TraesCS4B03G0457400	0.94785	0.58736	Down	Down
21149	TraesCS4B03G0458300	0.80472	1.25729	No	No
21151	TraesCS4B03G0459300	0.86248	1.11584	No	No
21152	TraesCS4B03G0460700	0.7826	0.92261	Down	Down
21153	TraesCS4B03G0460900	0.98342	1.05154	No	No
21155	TraesCS4B03G0462000	3.06563	0.68373	Up	Down
21156	TraesCS4B03G0462300	1.41637	0.6561	No	No
21157	TraesCS4B03G0462800	0.88558	1.16725	No	No
21161	TraesCS4B03G0463300	0.96688	0.9269	Down	Down
21162	TraesCS4B03G0463500	0.81314	0.78452	Down	Down
21166	TraesCS4B03G0464600	0.73134	1.23867	No	No
21170	TraesCS4B03G0465700	0.95735	2.20831	Down	Up
21171	TraesCS4B03G0466400	0.97782	1.23368	No	No
21172	TraesCS4B03G0467400	1.31627	0.44625	Up	Down
21173	TraesCS4B03G0467800	1.10067	1.34966	UP	UP
21174	TraesCS4B03G0467800	1.10114	1.65805	UP	UP
21177	TraesCS4B03G0468700	1.2582	0.55701	No	No
21178	TraesCS4B03G0468900	1.14668	0.72857	No	No
21179	TraesCS4B03G0469000	0.77749	1.36515	No	No
21180	TraesCS4B03G0469400	1.13604	0.4225	Up	Down
21182	TraesCS4B03G0470100	0.70552	1.47564	No	No
21185	TraesCS4B03G0472700	0.95765	1.00004	No	No
21188	TraesCS4B03G0474100	1.07958	0.68326	No	No
21189	TraesCS4B03G0475800	0.78369	1.25151	No	No
21190	TraesCS4B03G0475900	1.56904	0.37735	Up	Down
21192	TraesCS4B03G0477400	1.12112	1.73258	UP	UP
21193	TraesCS4B03G0477500	1.24641	1.5608	UP	UP
21194	TraesCS4B03G0478100	0.89775	1.81212	No	No
21195	TraesCS4B03G0479000	0.73127	0.34566	Down	Down
21196	TraesCS4B03G0479700	0.76598	1.86965	No	No
21197	TraesCS4B03G0480000	0.9018	1.14093	No	No
21200	TraesCS4B03G0480300	0.97936	1.16931	No	No
21201	TraesCS4B03G0480300	1.41558	0.73724	No	No
21204	TraesCS4B03G0481100	0.83728	2.17819	Down	Up
21205	TraesCS4B03G0481300	1.6573	0.95355	No	No
21206	TraesCS4B03G0481800	1.1487	0.3185	Up	Down
21207	TraesCS4B03G0481900	0.82592	1.18566	No	No
21208	TraesCS4B03G0482200	1.18447	1.70531	UP	UP
21209	TraesCS4B03G0482400	0.91237	1.20766	No	No
21210	TraesCS4B03G0482800	0.73119	0.78105	Down	Down
21211	TraesCS4B03G0483600	0.92272	0.41637	Down	Down
21213	TraesCS4B03G0484300	1.00182	0.79938	No	No
21214	TraesCS4B03G0484300	0.76043	0.64936	Down	Down

21215	TraesCS4B03G0484400	1.14963	1.59999	UP	UP
21216	TraesCS4B03G0484500	0.86133	0.74165	Down	Down
21217	TraesCS4B03G0484900	1.47544	0.41526	Up	Down
21218	TraesCS4B03G0485100	0.96767	2.22574	Down	Up
21221	TraesCS4B03G0485600	0.494	10.4522	Down	Up
21222	TraesCS4B03G0485700	0.79308	0.63301	Down	Down
21223	TraesCS4B03G0486100	0.68701	1.82656	No	No
21224	TraesCS4B03G0486100	0.83783	0.36541	Down	Down
21225	TraesCS4B03G0486100	1.24354	0.39959	Up	Down
21226	TraesCS4B03G0486400	1.1128	1.7614	UP	UP
21227	TraesCS4B03G0486500	0.76391	1.74136	No	No
21228	TraesCS4B03G0487800	0.90221	2.33425	Down	Up
21229	TraesCS4B03G0489100	0.55271	0.82182	Down	Down
21230	TraesCS4B03G0489300	0.87755	0.59773	Down	Down
21231	TraesCS4B03G0490500	1.22062	0.70656	No	No
21232	TraesCS4B03G0491100	0.97376	0.47822	Down	Down
21233	TraesCS4B03G0491700	0.62929	2.75983	Down	Up
21235	TraesCS4B03G0492400	0.87732	0.6625	Down	Down
21237	TraesCS4B03G0493000	0.9672	2.43845	Down	Up
21238	TraesCS4B03G0493200	1.034	1.34554	UP	UP
21239	TraesCS4B03G0493600	0.9373	1.94713	No	No
21240	TraesCS4B03G0493800	1.01068	1.14105	UP	UP
21241	TraesCS4B03G0494500	0.85436	1.36227	No	No
21242	TraesCS4B03G0494700	1.20385	1.74689	UP	UP
21243	TraesCS4B03G0495200	0.97426	1.69698	No	No
21245	TraesCS4B03G0496000	0.83621	0.44725	Down	Down
21246	TraesCS4B03G0496300	0.91418	1.0166	No	No
21247	TraesCS4B03G0496400	1.00748	0.98586	No	No
21248	TraesCS4B03G0496900	1.13173	0.93109	No	No
21249	TraesCS4B03G0497000	0.98006	0.93431	Down	Down
21250	TraesCS4B03G0497600	0.91788	1.03507	No	No
21251	TraesCS4B03G0498100	0.80695	1.85673	No	No
21252	TraesCS4B03G0498200	0.44724	0.53371	Down	Down
21253	TraesCS4B03G0498300	0.76675	1.15396	No	No
21254	TraesCS4B03G0498500	0.49728	1.7843	Down	Up
21255	TraesCS4B03G0499300	0.99065	0.96412	Down	Down
21256	TraesCS4B03G0500100	0.64042	2.48128	Down	Up
21257	TraesCS4B03G0500200	1.22735	1.51387	UP	UP
21259	TraesCS4B03G0502100	0.79678	1.21463	No	No
21260	TraesCS4B03G0502600	0.95941	1.31102	No	No
21261	TraesCS4B03G0503000	0.99291	1.90984	No	No
21262	TraesCS4B03G0503100	1.53237	1.41124	UP	UP
21264	TraesCS4B03G0503900	0.93623	0.75113	Down	Down
21265	TraesCS4B03G0504200	1.07633	1.05521	UP	UP
21266	TraesCS4B03G0504400	0.89013	0.55494	Down	Down
21267	TraesCS4B03G0505100	1.37203	0.32333	Up	Down
21268	TraesCS4B03G0506000	0.69188	0.60776	Down	Down
21269	TraesCS4B03G0506000	1.28953	0.80958	No	No
21271	TraesCS4B03G0506800	0.97572	0.85529	Down	Down
21272	TraesCS4B03G0506800	0.52113	2.28843	Down	Up
21273	TraesCS4B03G0506900	0.84063	1.01399	No	No
21274	TraesCS4B03G0507200	0.71798	0.75319	Down	Down

21275	TraesCS4B03G0507500	0.99763	1.34908	No	No
21276	TraesCS4B03G0507600	0.73388	2.51042	Down	Up
21277	TraesCS4B03G0509300	0.61614	0.65486	Down	Down
21280	TraesCS4B03G0511200	1.38266	0.70183	No	No
21281	TraesCS4B03G0511300	1.20036	0.78137	No	No
21283	TraesCS4B03G0511600	0.7772	1.37714	No	No
21284	TraesCS4B03G0511700	0.75489	1.24286	No	No
21285	TraesCS4B03G0511900	0.9525	1.13113	No	No
21286	TraesCS4B03G0512800	1.16068	0.45326	Up	Down
21287	TraesCS4B03G0513000	1.01372	3.33282	Up	Up
21288	TraesCS4B03G0513700	0.8349	0.80072	Down	Down
21290	TraesCS4B03G0514800	0.96701	0.97216	Down	Down
21291	TraesCS4B03G0515000	0.8447	1.89407	No	No
21295	TraesCS4B03G0516700	1.61213	0.65736	No	No
21296	TraesCS4B03G0519500	0.83099	0.54945	Down	Down
21298	TraesCS4B03G0520400	0.97179	2.25718	Down	Up
21299	TraesCS4B03G0521100	1.27969	0.53653	No	No
21302	TraesCS4B03G0522600	1.05516	2.2581	Up	Up
21305	TraesCS4B03G0523300	1.0763	0.53543	No	No
21306	TraesCS4B03G0523700	1.13401	1.10324	UP	UP
21307	TraesCS4B03G0524200	1.36509	0.93332	No	No
21308	TraesCS4B03G0526000	0.81326	3.67087	Down	Up
21309	TraesCS4B03G0526100	1.07509	1.24044	UP	UP
21310	TraesCS4B03G0526200	0.81566	2.2676	Down	Up
21311	TraesCS4B03G0528000	0.54793	0.74091	Down	Down
21312	TraesCS4B03G0528300	0.61456	0.97326	Down	Down
21313	TraesCS4B03G0528700	0.85939	1.44486	No	No
21314	TraesCS4B03G0530300	1.3786	1.11747	UP	UP
21316	TraesCS4B03G0531900	0.62682	0.99659	Down	Down
21317	TraesCS4B03G0532200	0.85022	1.28942	No	No
21318	TraesCS4B03G0532300	0.96156	1.0706	No	No
21319	TraesCS4B03G0532600	1.64057	0.86046	No	No
21320	TraesCS4B03G0533700	1.35439	0.8874	No	No
21321	TraesCS4B03G0534400	1.10504	0.83914	No	No
21322	TraesCS4B03G0534500	0.59596	1.18547	No	No
21323	TraesCS4B03G0534700	0.62022	6.13821	Down	Up
21324	TraesCS4B03G0534900	0.97845	0.95922	Down	Down
21325	TraesCS4B03G0535900	0.72157	1.06426	No	No
21326	TraesCS4B03G0536000	1.07297	0.84632	No	No
21327	TraesCS4B03G0536200	1.62657	0.46235	Up	Down
21330	TraesCS4B03G0537400	1.09905	0.70104	No	No
21331	TraesCS4B03G0538200	1.07258	2.33982	Up	Up
21333	TraesCS4B03G0539400	1.17891	0.87749	No	No
21334	TraesCS4B03G0539700	1.0799	0.33063	Up	Down
21335	TraesCS4B03G0541300	1.33084	1.08353	UP	UP
21336	TraesCS4B03G0542000	0.73869	1.55843	No	No
21337	TraesCS4B03G0542300	0.91229	0.38768	Down	Down
21338	TraesCS4B03G0542500	1.03467	1.91454	UP	UP
21339	TraesCS4B03G0542900	1.30394	0.80938	No	No
21340	TraesCS4B03G0543400	1.32551	1.52043	UP	UP
21342	TraesCS4B03G0544800	1.33321	1.15867	UP	UP
21343	TraesCS4B03G0545000	0.50033	5.72996	Down	Up

21345	TraesCS4B03G0547000	0.89046	0.47396	Down	Down
21347	TraesCS4B03G0549300	0.46522	1.91214	Down	Up
21349	TraesCS4B03G0549500	1.06134	0.68065	No	No
21350	TraesCS4B03G0549800	1.41766	0.94516	No	No
21351	TraesCS4B03G0549800	1.34001	0.55068	No	No
21352	TraesCS4B03G0550500	0.76993	1.02869	No	No
21353	TraesCS4B03G0550600	0.84209	1.25941	No	No
21354	TraesCS4B03G0550700	1.15756	1.1884	UP	UP
21355	TraesCS4B03G0551000	1.02722	1.61169	UP	UP
21356	TraesCS4B03G0551100	0.97923	0.90578	Down	Down
21357	TraesCS4B03G0551500	0.61114	2.05649	Down	Up
21358	TraesCS4B03G0551600	0.43476	1.29156	Down	Up
21359	TraesCS4B03G0551800	0.60624	1.06156	No	No
21360	TraesCS4B03G0552400	1.92623	0.29565	Up	Down
21361	TraesCS4B03G0552500	0.76938	0.23122	Down	Down
21362	TraesCS4B03G0552700	1.2946	2.17935	Up	Up
21363	TraesCS4B03G0553600	0.86485	3.98301	Down	Up
21365	TraesCS4B03G0554300	1.06243	6.00678	Up	Up
21366	TraesCS4B03G0554400	0.87576	2.11414	Down	Up
21367	TraesCS4B03G0554800	0.79576	2.84734	Down	Up
21368	TraesCS4B03G0554900	0.96272	0.38141	Down	Down
21369	TraesCS4B03G0555200	1.28553	0.43123	Up	Down
21371	TraesCS4B03G0555600	0.98761	1.08518	No	No
21372	TraesCS4B03G0555700	0.5703	0.66777	Down	Down
21373	TraesCS4B03G0556200	1.58288	0.63	No	No
21374	TraesCS4B03G0556300	0.70538	0.86646	Down	Down
21375	TraesCS4B03G0556500	1.1978	2.02781	Up	Up
21376	TraesCS4B03G0556900	0.73597	0.98613	Down	Down
21377	TraesCS4B03G0556900	0.70167	1.36394	No	No
21379	TraesCS4B03G0557400	0.87283	0.99055	Down	Down
21381	TraesCS4B03G0558600	1.38398	1.52319	UP	UP
21382	TraesCS4B03G0558900	0.9754	1.2317	No	No
21386	TraesCS4B03G0559300	1.07321	2.406	Up	Up
21387	TraesCS4B03G0560000	0.83128	0.64057	Down	Down
21388	TraesCS4B03G0560100	1.11202	0.91882	No	No
21389	TraesCS4B03G0560100	0.87432	0.76487	Down	Down
21390	TraesCS4B03G0560600	0.6399	1.09224	No	No
21391	TraesCS4B03G0561000	1.27518	1.00156	UP	UP
21394	TraesCS4B03G0562900	1.09024	1.73347	UP	UP
21395	TraesCS4B03G0563200	0.96857	1.07416	No	No
21396	TraesCS4B03G0564700	0.50325	1.44691	No	No
21397	TraesCS4B03G0565000	1.15308	1.41275	UP	UP
21400	TraesCS4B03G0566000	1.94286	0.29338	Up	Down
21401	TraesCS4B03G0566300	1.15808	1.68522	UP	UP
21402	TraesCS4B03G0566500	0.88001	0.24527	Down	Down
21403	TraesCS4B03G0566600	0.75646	0.9636	Down	Down
21404	TraesCS4B03G0567400	0.92357	0.23791	Down	Down
21405	TraesCS4B03G0567800	1.42465	1.83783	UP	UP
21406	TraesCS4B03G0568700	0.75173	0.6636	Down	Down
21407	TraesCS4B03G0568800	1.07094	0.37064	Up	Down
21408	TraesCS4B03G0568900	0.74808	0.79465	Down	Down
21409	TraesCS4B03G0569500	0.99189	1.91397	No	No

21410	TraesCS4B03G0569700	1.0161	1.01107	UP	UP
21412	TraesCS4B03G0570100	1.90398	3.2761	Up	Up
21413	TraesCS4B03G0570100	0.17469	9.89639	Down	Up
21414	TraesCS4B03G0570200	0.69783	2.62489	Down	Up
21415	TraesCS4B03G0570600	0.87135	2.63495	Down	Up
21416	TraesCS4B03G0570700	1.53236	0.90486	No	No
21418	TraesCS4B03G0572000	0.87635	0.61073	Down	Down
21419	TraesCS4B03G0572300	0.95957	0.74144	Down	Down
21420	TraesCS4B03G0572600	1.08715	1.86224	UP	UP
21422	TraesCS4B03G0573700	0.61527	0.54518	Down	Down
21423	TraesCS4B03G0574700	1.18832	1.34469	UP	UP
21424	TraesCS4B03G0575400	1.09817	1.44807	UP	UP
21425	TraesCS4B03G0575600	1.13595	3.13251	Up	Up
21426	TraesCS4B03G0575900	0.97467	0.85113	Down	Down
21427	TraesCS4B03G0576000	0.97295	0.52657	Down	Down
21428	TraesCS4B03G0576200	1.68798	1.1351	UP	UP
21429	TraesCS4B03G0576400	0.77618	2.06759	Down	Up
21430	TraesCS4B03G0576600	1.53545	2.95224	Up	Up
21431	TraesCS4B03G0577100	0.94902	0.44588	Down	Down
21432	TraesCS4B03G0577300	0.77522	1.33077	No	No
21435	TraesCS4B03G0577800	1.51332	0.36096	Up	Down
21436	TraesCS4B03G0578600	1.01564	0.65445	No	No
21437	TraesCS4B03G0578700	1.1847	1.38938	UP	UP
21438	TraesCS4B03G0579000	0.77562	1.0111	No	No
21439	TraesCS4B03G0579100	1.10843	1.20106	UP	UP
21440	TraesCS4B03G0579500	1.18864	3.21749	Up	Up
21441	TraesCS4B03G0579600	0.73719	5.25687	Down	Up
21442	TraesCS4B03G0579700	0.72153	1.08042	No	No
21444	TraesCS4B03G0580800	1.19173	0.69186	No	No
21445	TraesCS4B03G0581900	1.09932	4.91207	Up	Up
21446	TraesCS4B03G0582000	0.87916	0.58615	Down	Down
21447	TraesCS4B03G0582300	1.22291	1.01807	UP	UP
21448	TraesCS4B03G0582300	0.85766	0.8677	Down	Down
21449	TraesCS4B03G0582400	1.06679	1.90856	UP	UP
21451	TraesCS4B03G0582600	0.67491	0.67457	Down	Down
21452	TraesCS4B03G0582900	0.94064	0.49033	Down	Down
21453	TraesCS4B03G0583600	1.15232	0.73018	No	No
21454	TraesCS4B03G0583700	0.97486	0.46028	Down	Down
21455	TraesCS4B03G0584300	2.11561	0.95317	Up	Down
21456	TraesCS4B03G0584400	0.8729	1.3771	No	No
21457	TraesCS4B03G0584900	0.83252	2.49819	Down	Up
21459	TraesCS4B03G0585700	0.90043	2.33898	Down	Up
21460	TraesCS4B03G0585800	0.85938	1.39833	No	No
21461	TraesCS4B03G0585900	0.99349	0.56133	Down	Down
21463	TraesCS4B03G0587700	0.96382	0.40628	Down	Down
21464	TraesCS4B03G0587800	1.26916	0.56888	No	No
21465	TraesCS4B03G0587900	0.89045	1.5695	No	No
21466	TraesCS4B03G0588400	1.13925	0.44173	Up	Down
21467	TraesCS4B03G0588700	0.94499	0.83395	Down	Down
21468	TraesCS4B03G0588900	0.62719	0.57882	Down	Down
21469	TraesCS4B03G0589000	0.72973	1.02489	No	No
21470	TraesCS4B03G0589300	1.18315	0.41599	Up	Down

21471	TraesCS4B03G0589400	1.02896	1.00979	UP	UP
21472	TraesCS4B03G0590200	0.87267	1.40623	No	No
21473	TraesCS4B03G0590500	0.87734	1.23176	No	No
21474	TraesCS4B03G0590700	0.7856	3.87656	Down	Up
21475	TraesCS4B03G0591900	0.93696	0.78937	Down	Down
21476	TraesCS4B03G0592000	0.85607	1.67328	No	No
21477	TraesCS4B03G0592000	1.33106	0.39121	Up	Down
21478	TraesCS4B03G0592100	0.68736	2.93412	Down	Up
21479	TraesCS4B03G0592800	0.89979	0.88764	Down	Down
21480	TraesCS4B03G0593000	0.97867	0.64396	Down	Down
21481	TraesCS4B03G0593700	1.1489	1.45919	UP	UP
21482	TraesCS4B03G0593900	0.48421	4.0106	Down	Up
21483	TraesCS4B03G0594500	0.80611	1.58463	No	No
21484	TraesCS4B03G0594700	0.71711	1.51558	No	No
21485	TraesCS4B03G0595200	0.89563	1.15708	No	No
21486	TraesCS4B03G0595500	0.8363	1.09663	No	No
21487	TraesCS4B03G0595600	0.94359	1.20277	No	No
21489	TraesCS4B03G0596100	0.74625	1.0284	No	No
21491	TraesCS4B03G0596600	0.90749	0.99536	Down	Down
21493	TraesCS4B03G0598500	0.88145	1.46625	No	No
21494	TraesCS4B03G0599100	1.1366	1.31246	UP	UP
21495	TraesCS4B03G0600200	0.86089	3.02906	Down	Up
21496	TraesCS4B03G0601100	1.04928	1.22252	UP	UP
21497	TraesCS4B03G0601700	0.41133	0.69308	Down	Down
21498	TraesCS4B03G0601800	0.95841	1.23992	No	No
21499	TraesCS4B03G0602600	1.57717	0.53964	No	No
21500	TraesCS4B03G0603000	0.61603	0.97769	Down	Down
21501	TraesCS4B03G0603100	1.09082	0.70997	No	No
21503	TraesCS4B03G0604400	1.2048	2.10901	Up	Up
21505	TraesCS4B03G0604600	0.8107	1.36051	No	No
21507	TraesCS4B03G0605500	1.01527	0.61931	No	No
21508	TraesCS4B03G0605600	0.80882	2.3231	Down	Up
21509	TraesCS4B03G0605700	0.72428	7.2542	Down	Up
21511	TraesCS4B03G0607500	0.94371	0.88811	Down	Down
21513	TraesCS4B03G0608300	0.65812	1.41145	No	No
21515	TraesCS4B03G0608900	0.99312	3.19666	Down	Up
21516	TraesCS4B03G0609000	0.77078	0.56561	Down	Down
21518	TraesCS4B03G0610300	0.94837	0.99534	Down	Down
21519	TraesCS4B03G0610500	1.73067	0.94871	No	No
21520	TraesCS4B03G0610600	1.11256	0.56779	No	No
21521	TraesCS4B03G0610800	0.77001	0.28774	Down	Down
21522	TraesCS4B03G0611400	1.55445	0.97239	No	No
21523	TraesCS4B03G0611700	1.33641	0.48272	Up	Down
21524	TraesCS4B03G0612200	1.02959	0.62938	No	No
21525	TraesCS4B03G0612600	0.78938	1.35259	No	No
21526	TraesCS4B03G0612800	1.34208	0.67879	No	No
21527	TraesCS4B03G0613900	0.92775	0.94716	Down	Down
21528	TraesCS4B03G0615700	0.77386	0.87602	Down	Down
21529	TraesCS4B03G0616100	1.03843	0.92507	No	No
21530	TraesCS4B03G0617000	0.95026	1.67386	No	No
21531	TraesCS4B03G0619200	0.95744	0.74821	Down	Down
21532	TraesCS4B03G0619400	0.26842	2.47812	Down	Up

21533	TraesCS4B03G0619700	0.59956	3.22043	Down	Up
21534	TraesCS4B03G0620400	3.14791	1.90701	Up	Up
21535	TraesCS4B03G0621000	0.91324	1.04466	No	No
21536	TraesCS4B03G0621700	0.9983	1.42197	No	No
21538	TraesCS4B03G0621900	0.7245	1.23193	No	No
21539	TraesCS4B03G0621900	0.87219	2.20985	Down	Up
21540	TraesCS4B03G0622000	0.84926	2.37556	Down	Up
21541	TraesCS4B03G0622400	1.12492	1.37243	UP	UP
21542	TraesCS4B03G0623600	1.10521	3.03944	Up	Up
21543	TraesCS4B03G0624400	1.31512	1.59897	UP	UP
21544	TraesCS4B03G0624600	0.97457	1.52357	No	No
21545	TraesCS4B03G0624700	0.91924	0.83497	Down	Down
21549	TraesCS4B03G0626100	0.95909	1.02232	No	No
21550	TraesCS4B03G0626200	0.71998	1.59641	No	No
21551	TraesCS4B03G0627000	0.8211	1.22461	No	No
21552	TraesCS4B03G0627500	1.04754	2.06256	Up	Up
21553	TraesCS4B03G0627600	0.72315	1.50659	No	No
21554	TraesCS4B03G0627900	0.83396	4.47488	Down	Up
21555	TraesCS4B03G0628600	0.8865	0.81904	Down	Down
21556	TraesCS4B03G0628700	1.23778	0.85623	No	No
21557	TraesCS4B03G0629000	1.32796	0.85508	No	No
21559	TraesCS4B03G0630000	1.42818	0.95236	No	No
21562	TraesCS4B03G0631600	1.29127	0.68592	No	No
21563	TraesCS4B03G0632400	1.052	1.38884	UP	UP
21567	TraesCS4B03G0633600	0.99104	0.79387	Down	Down
21568	TraesCS4B03G0635300	0.68458	1.78965	No	No
21569	TraesCS4B03G0635500	0.6994	1.5534	No	No
21570	TraesCS4B03G0635800	1.81947	0.32002	Up	Down
21571	TraesCS4B03G0636500	1.179	1.01753	UP	UP
21573	TraesCS4B03G0637300	0.77709	1.55526	No	No
21574	TraesCS4B03G0638000	1.06015	0.21627	Up	Down
21576	TraesCS4B03G0639100	0.65595	1.66597	No	No
21577	TraesCS4B03G0639300	0.91453	0.69127	Down	Down
21579	TraesCS4B03G0641100	0.84048	1.14702	No	No
21580	TraesCS4B03G0641300	1.17628	1.51882	UP	UP
21581	TraesCS4B03G0641900	1.2207	0.68947	No	No
21584	TraesCS4B03G0642500	0.75052	0.64045	Down	Down
21585	TraesCS4B03G0643200	0.93854	0.32292	Down	Down
21586	TraesCS4B03G0643400	0.95756	1.20329	No	No
21587	TraesCS4B03G0643700	0.68806	0.61775	Down	Down
21588	TraesCS4B03G0644200	2.33445	0.25657	Up	Down
21589	TraesCS4B03G0644300	1.1675	0.53586	No	No
21590	TraesCS4B03G0645300	1.22699	1.41887	UP	UP
21592	TraesCS4B03G0646500	1.13089	1.36712	UP	UP
21593	TraesCS4B03G0647900	0.2755	7.47389	Down	Up
21594	TraesCS4B03G0651300	0.61365	6.30845	Down	Up
21595	TraesCS4B03G0651400	0.77944	3.12591	Down	Up
21596	TraesCS4B03G0651700	0.88103	4.67507	Down	Up
21597	TraesCS4B03G0651900	1.18093	0.76159	No	No
21598	TraesCS4B03G0652800	0.6315	1.38032	No	No
21599	TraesCS4B03G0653000	1.0778	2.04427	Up	Up
21600	TraesCS4B03G0653900	0.89475	0.93441	Down	Down

21601	TraesCS4B03G0654300	0.99454	0.37655	Down	Down
21602	TraesCS4B03G0654500	1.22874	1.09593	UP	UP
21603	TraesCS4B03G0654800	0.80748	0.80029	Down	Down
21604	TraesCS4B03G0655800	1.17499	1.5709	UP	UP
21605	TraesCS4B03G0655800	0.53638	1.53637	No	No
21606	TraesCS4B03G0655900	0.65154	1.12776	No	No
21607	TraesCS4B03G0656200	0.7199	0.27869	Down	Down
21608	TraesCS4B03G0656500	1.10489	0.36456	Up	Down
21610	TraesCS4B03G0657100	1.32956	0.935	No	No
21611	TraesCS4B03G0658800	0.36118	1.11896	Down	Up
21614	TraesCS4B03G0660800	1.06801	1.03021	UP	UP
21616	TraesCS4B03G0661300	0.87185	0.48695	Down	Down
21617	TraesCS4B03G0661500	1.09734	2.1582	Up	Up
21618	TraesCS4B03G0662200	0.73302	0.82826	Down	Down
21619	TraesCS4B03G0662300	0.89521	1.68577	No	No
21620	TraesCS4B03G0662400	1.37411	0.96299	No	No
21621	TraesCS4B03G0663100	0.97926	2.69634	Down	Up
21622	TraesCS4B03G0664300	1.11619	0.65258	No	No
21623	TraesCS4B03G0664700	0.57611	1.63362	No	No
21624	TraesCS4B03G0665500	1.0074	0.43848	Up	Down
21625	TraesCS4B03G0665600	0.97243	1.21076	No	No
21626	TraesCS4B03G0666100	0.70589	1.03515	No	No
21627	TraesCS4B03G0667300	0.63474	7.28038	Down	Up
21628	TraesCS4B03G0667400	0.71754	1.04685	No	No
21629	TraesCS4B03G0668200	0.87216	2.70135	Down	Up
21630	TraesCS4B03G0668600	0.78726	2.60651	Down	Up
21631	TraesCS4B03G0669200	1.19545	1.47655	UP	UP
21632	TraesCS4B03G0669300	1.46926	0.6942	No	No
21633	TraesCS4B03G0669300	1.04723	0.36155	Up	Down
21634	TraesCS4B03G0669600	0.87166	1.37356	No	No
21635	TraesCS4B03G0670500	1.13485	1.23501	UP	UP
21636	TraesCS4B03G0670900	0.94322	0.89304	Down	Down
21637	TraesCS4B03G0671000	0.82757	3.01824	Down	Up
21638	TraesCS4B03G0671300	0.68394	11.869	Down	Up
21639	TraesCS4B03G0671600	0.80961	1.13721	No	No
21640	TraesCS4B03G0672600	0.57215	1.1166	No	No
21641	TraesCS4B03G0673900	0.8154	1.30331	No	No
21642	TraesCS4B03G0674600	1.04155	0.92849	No	No
21643	TraesCS4B03G0674800	1.04346	2.39354	Up	Up
21644	TraesCS4B03G0674900	1.57453	0.28219	Up	Down
21645	TraesCS4B03G0675500	0.76658	1.89881	No	No
21646	TraesCS4B03G0675700	0.81952	1.71865	No	No
21647	TraesCS4B03G0676200	0.79705	1.16525	No	No
21649	TraesCS4B03G0677000	1.20183	0.42473	Up	Down
21650	TraesCS4B03G0678100	1.63006	2.84534	Up	Up
21651	TraesCS4B03G0678200	0.83829	1.14886	No	No
21652	TraesCS4B03G0678700	1.02238	0.95063	No	No
21653	TraesCS4B03G0678800	1.1477	0.2379	Up	Down
21654	TraesCS4B03G0678900	1.09862	1.68425	UP	UP
21655	TraesCS4B03G0679200	1.9612	3.00707	Up	Up
21656	TraesCS4B03G0679900	0.84263	0.75244	Down	Down
21657	TraesCS4B03G0680100	1.15362	1.69148	UP	UP

21658	TraesCS4B03G0680600	1.08401	0.97747	No	No
21659	TraesCS4B03G0681000	0.74788	1.17308	No	No
21660	TraesCS4B03G0681100	0.59644	0.84741	Down	Down
21661	TraesCS4B03G0681500	0.88384	0.41605	Down	Down
21662	TraesCS4B03G0682400	0.53607	4.12469	Down	Up
21663	TraesCS4B03G0683300	2.31719	0.57516	Up	Down
21664	TraesCS4B03G0683400	0.49918	1.0127	Down	Up
21665	TraesCS4B03G0683800	0.61719	9.53793	Down	Up
21666	TraesCS4B03G0684000	1.12251	1.05578	UP	UP
21667	TraesCS4B03G0684100	0.88475	1.504	No	No
21668	TraesCS4B03G0684200	1.19015	0.59536	No	No
21669	TraesCS4B03G0684300	1.56048	6.45021	Up	Up
21670	TraesCS4B03G0684600	1.56437	1.40895	UP	UP
21671	TraesCS4B03G0684800	1.29145	0.38691	Up	Down
21672	TraesCS4B03G0684900	0.84324	1.87931	No	No
21673	TraesCS4B03G0685000	0.64007	1.98031	No	No
21674	TraesCS4B03G0685300	1.28301	1.45757	UP	UP
21676	TraesCS4B03G0686900	0.9351	1.55917	No	No
21677	TraesCS4B03G0687000	1.33686	1.09047	UP	UP
21678	TraesCS4B03G0688600	1.16893	0.87637	No	No
21679	TraesCS4B03G0689300	0.49172	4.47664	Down	Up
21680	TraesCS4B03G0690300	0.9545	0.69535	Down	Down
21681	TraesCS4B03G0691400	1.12003	2.18509	Up	Up
21682	TraesCS4B03G0691900	1.43754	1.17186	UP	UP
21683	TraesCS4B03G0692300	1.0015	1.42552	UP	UP
21684	TraesCS4B03G0692700	1.22304	0.92454	No	No
21685	TraesCS4B03G0692800	0.80213	1.10644	No	No
21686	TraesCS4B03G0692900	0.80545	0.87858	Down	Down
21687	TraesCS4B03G0693000	1.18081	0.99663	No	No
21691	TraesCS4B03G0693600	1.09479	1.03067	UP	UP
21692	TraesCS4B03G0693700	1.15962	1.44674	UP	UP
21694	TraesCS4B03G0694000	0.86275	0.91171	Down	Down
21695	TraesCS4B03G0694100	1.03883	1.17069	UP	UP
21696	TraesCS4B03G0694300	0.69807	1.13203	No	No
21701	TraesCS4B03G0695000	1.17194	1.08526	UP	UP
21702	TraesCS4B03G0696700	1.00869	0.45091	Up	Down
21703	TraesCS4B03G0697200	0.87116	2.45881	Down	Up
21704	TraesCS4B03G0697900	0.80003	1.32175	No	No
21705	TraesCS4B03G0698000	1.34381	0.17091	Up	Down
21708	TraesCS4B03G0699400	0.96387	1.91251	No	No
21709	TraesCS4B03G0699700	0.85036	0.79278	Down	Down
21710	TraesCS4B03G0700400	3.16944	1.10001	Up	Up
21711	TraesCS4B03G0700700	1.0934	1.72793	UP	UP
21713	TraesCS4B03G0700900	0.8841	0.35956	Down	Down
21714	TraesCS4B03G0701000	0.77187	0.50402	Down	Down
21715	TraesCS4B03G0701200	1.51193	0.69542	No	No
21716	TraesCS4B03G0703200	0.75471	0.47842	Down	Down
21717	TraesCS4B03G0703400	0.75741	1.01981	No	No
21718	TraesCS4B03G0703500	1.02159	1.46535	UP	UP
21719	TraesCS4B03G0705800	1.15443	4.2671	Up	Up
21720	TraesCS4B03G0706300	1.03529	0.92838	No	No
21721	TraesCS4B03G0706400	1.25641	0.70417	No	No

21722	TraesCS4B03G0706700	0.82114	1.31551	No	No
21723	TraesCS4B03G0706800	0.81462	1.13902	No	No
21724	TraesCS4B03G0706900	0.79123	1.36276	No	No
21725	TraesCS4B03G0708200	0.8216	1.75549	No	No
21726	TraesCS4B03G0708200	0.9377	0.65921	Down	Down
21727	TraesCS4B03G0709100	0.71033	1.95836	No	No
21729	TraesCS4B03G0710000	1.27411	0.41968	Up	Down
21730	TraesCS4B03G0710900	0.93373	0.34346	Down	Down
21731	TraesCS4B03G0711200	1.09436	0.74571	No	No
21732	TraesCS4B03G0711800	0.79544	1.2199	No	No
21733	TraesCS4B03G0713200	0.78278	1.37659	No	No
21734	TraesCS4B03G0713700	0.93941	1.16805	No	No
21735	TraesCS4B03G0713900	0.85334	1.16336	No	No
21736	TraesCS4B03G0714100	0.70098	2.51964	Down	Up
21737	TraesCS4B03G0714400	0.92649	1.28847	No	No
21738	TraesCS4B03G0715000	1.18693	0.56381	No	No
21739	TraesCS4B03G0715100	1.1135	0.68232	No	No
21740	TraesCS4B03G0715300	0.98689	0.37901	Down	Down
21741	TraesCS4B03G0715400	0.96087	1.28042	No	No
21742	TraesCS4B03G0716100	0.89695	16.6452	Down	Up
21743	TraesCS4B03G0716100	0.71847	0.87814	Down	Down
21744	TraesCS4B03G0716800	5.35844	0.18911	Up	Down
21748	TraesCS4B03G0722000	1.32338	1.22406	UP	UP
21749	TraesCS4B03G0722800	0.62125	12.7977	Down	Up
21750	TraesCS4B03G0722900	0.49185	9.41947	Down	Up
21751	TraesCS4B03G0723100	0.92286	1.71031	No	No
21753	TraesCS4B03G0723700	1.01467	1.50247	UP	UP
21754	TraesCS4B03G0724000	0.7657	0.39723	Down	Down
21755	TraesCS4B03G0724500	1.08535	1.30274	UP	UP
21756	TraesCS4B03G0725600	1.36928	2.10292	Up	Up
21757	TraesCS4B03G0725700	0.95011	2.31895	Down	Up
21758	TraesCS4B03G0727100	0.62741	0.69995	Down	Down
21759	TraesCS4B03G0727200	1.11368	0.32316	Up	Down
21761	TraesCS4B03G0727700	0.8382	1.78102	No	No
21762	TraesCS4B03G0727800	1.20053	0.43832	Up	Down
21763	TraesCS4B03G0727800	1.27629	1.57875	UP	UP
21764	TraesCS4B03G0729600	1.13543	1.96174	UP	UP
21766	TraesCS4B03G0730900	0.81127	2.06431	Down	Up
21767	TraesCS4B03G0733200	0.82378	2.0667	Down	Up
21768	TraesCS4B03G0733400	1.07084	0.77823	No	No
21769	TraesCS4B03G0734100	0.68196	0.74132	Down	Down
21773	TraesCS4B03G0734700	0.96603	1.35956	No	No
21775	TraesCS4B03G0736100	1.0929	0.75537	No	No
21776	TraesCS4B03G0736600	1.065	0.92267	No	No
21777	TraesCS4B03G0736700	0.90235	1.29845	No	No
21778	TraesCS4B03G0736800	0.89565	1.00577	No	No
21779	TraesCS4B03G0738400	0.88641	0.9369	Down	Down
21780	TraesCS4B03G0739900	0.93989	0.6755	Down	Down
21781	TraesCS4B03G0741500	0.95651	0.8495	Down	Down
21782	TraesCS4B03G0741700	1.01327	0.53256	No	No
21783	TraesCS4B03G0742000	1.27155	0.68296	No	No
21784	TraesCS4B03G0742900	1.14242	0.93502	No	No

21785	TraesCS4B03G0743300	0.58348	1.47329	No	No
21786	TraesCS4B03G0744600	0.90377	0.55952	Down	Down
21787	TraesCS4B03G0744800	1.02806	1.06429	UP	UP
21788	TraesCS4B03G0744800	0.79429	0.84728	Down	Down
21789	TraesCS4B03G0746000	0.99212	1.35502	No	No
21792	TraesCS4B03G0747300	0.96489	1.44585	No	No
21793	TraesCS4B03G0748700	1.01692	1.25931	UP	UP
21794	TraesCS4B03G0750200	0.75855	1.65878	No	No
21795	TraesCS4B03G0753000	1.1637	1.52353	UP	UP
21796	TraesCS4B03G0753200	0.93624	0.57149	Down	Down
21797	TraesCS4B03G0755400	1.1037	1.57386	UP	UP
21798	TraesCS4B03G0755700	1.29967	0.73065	No	No
21799	TraesCS4B03G0755700	0.93846	0.35574	Down	Down
21800	TraesCS4B03G0755800	0.75662	0.36632	Down	Down
21801	TraesCS4B03G0755900	0.85512	0.41633	Down	Down
21802	TraesCS4B03G0756100	1.02018	2.60884	Up	Up
21803	TraesCS4B03G0756200	1.14493	0.81456	No	No
21804	TraesCS4B03G0756200	1.41893	0.41635	Up	Down
21806	TraesCS4B03G0757200	1.15213	1.26893	UP	UP
21807	TraesCS4B03G0757500	1.00012	2.02107	Up	Up
21808	TraesCS4B03G0757600	1.34531	2.61348	Up	Up
21809	TraesCS4B03G0757800	0.9228	0.24315	Down	Down
21811	TraesCS4B03G0758500	0.8439	1.6459	No	No
21814	TraesCS4B03G0759800	1.75543	0.61342	No	No
21815	TraesCS4B03G0759900	0.72532	0.84277	Down	Down
21816	TraesCS4B03G0761600	0.92513	1.70204	No	No
21817	TraesCS4B03G0762100	1.46619	0.79063	No	No
21818	TraesCS4B03G0762100	0.9821	1.51861	No	No
21819	TraesCS4B03G0762600	1.12665	1.01161	UP	UP
21820	TraesCS4B03G0762800	0.84228	0.93747	Down	Down
21821	TraesCS4B03G0763200	1.00767	1.61859	UP	UP
21822	TraesCS4B03G0763400	0.74381	0.90655	Down	Down
21823	TraesCS4B03G0763500	0.9569	1.10617	No	No
21825	TraesCS4B03G0764200	0.67334	1.03043	No	No
21826	TraesCS4B03G0764500	2.10694	0.69618	Up	Down
21827	TraesCS4B03G0764500	0.69912	0.7698	Down	Down
21829	TraesCS4B03G0766000	1.04289	1.09348	UP	UP
21830	TraesCS4B03G0766200	2.66563	3.29771	Up	Up
21831	TraesCS4B03G0766600	1.05491	0.53092	No	No
21832	TraesCS4B03G0766900	0.88049	1.1441	No	No
21833	TraesCS4B03G0767000	1.34395	1.11881	UP	UP
21834	TraesCS4B03G0767200	0.95807	1.7011	No	No
21837	TraesCS4B03G0769100	0.7782	0.93599	Down	Down
21838	TraesCS4B03G0769800	0.9036	0.97044	Down	Down
21839	TraesCS4B03G0769900	1.11933	0.99567	No	No
21840	TraesCS4B03G0770000	1.41006	0.36641	Up	Down
21841	TraesCS4B03G0771800	0.99058	1.02666	No	No
21842	TraesCS4B03G0772400	1.35358	0.7514	No	No
21843	TraesCS4B03G0772400	0.67736	0.5728	Down	Down
21844	TraesCS4B03G0772600	0.78899	0.48724	Down	Down
21846	TraesCS4B03G0773700	0.32209	1.78307	Down	Up
21847	TraesCS4B03G0775100	1.32528	0.38139	Up	Down

21848	TraesCS4B03G0776000	1.22434	1.95367	UP	UP
21850	TraesCS4B03G0776600	0.96878	0.9223	Down	Down
21851	TraesCS4B03G0777800	1.00666	1.24664	UP	UP
21852	TraesCS4B03G0778300	1.36884	1.56989	UP	UP
21853	TraesCS4B03G0778900	2.2348	1.17712	Up	Up
21854	TraesCS4B03G0778900	1.74011	1.02961	UP	UP
21855	TraesCS4B03G0778900	1.50781	0.88814	No	No
21857	TraesCS4B03G0779900	1.09243	1.76154	UP	UP
21858	TraesCS4B03G0780100	0.6492	6.11332	Down	Up
21859	TraesCS4B03G0780200	0.69399	9.36488	Down	Up
21860	TraesCS4B03G0780900	0.55668	0.29315	Down	Down
21861	TraesCS4B03G0781800	0.90959	1.61242	No	No
21862	TraesCS4B03G0782300	1.48665	0.65112	No	No
21863	TraesCS4B03G0785000	0.9544	0.91311	Down	Down
21864	TraesCS4B03G0785400	0.61605	1.14966	No	No
21865	TraesCS4B03G0785500	0.70419	1.3204	No	No
21867	TraesCS4B03G0787300	0.8348	0.52986	Down	Down
21868	TraesCS4B03G0787700	1.13065	2.38612	Up	Up
21869	TraesCS4B03G0787900	1.23247	0.62827	No	No
21870	TraesCS4B03G0788000	1.17466	0.69563	No	No
21871	TraesCS4B03G0788200	1.01845	0.76896	No	No
21872	TraesCS4B03G0788300	1.26367	0.74839	No	No
21873	TraesCS4B03G0788600	0.9803	1.00798	No	No
21874	TraesCS4B03G0790700	0.89115	1.30225	No	No
21875	TraesCS4B03G0791300	0.85518	0.99261	Down	Down
21876	TraesCS4B03G0792100	0.92596	0.75681	Down	Down
21877	TraesCS4B03G0792600	0.90234	0.80142	Down	Down
21878	TraesCS4B03G0793000	0.93174	2.18172	Down	Up
21879	TraesCS4B03G0793000	2.07617	1.75262	UP	UP
21880	TraesCS4B03G0793700	0.93834	1.1078	No	No
21881	TraesCS4B03G0793800	1.3345	0.69412	No	No
21882	TraesCS4B03G0793900	1.07008	1.23629	UP	UP
21883	TraesCS4B03G0794000	1.17394	0.69392	No	No
21885	TraesCS4B03G0795300	0.87464	1.04881	No	No
21887	TraesCS4B03G0797600	0.75184	17.0862	Down	Up
21888	TraesCS4B03G0798000	1.69014	0.71114	No	No
21889	TraesCS4B03G0798100	0.63879	4.00804	Down	Up
21890	TraesCS4B03G0798300	0.49569	2.21579	Down	Up
21892	TraesCS4B03G0798600	1.76126	0.98376	No	No
21893	TraesCS4B03G0799100	0.62169	0.6379	Down	Down
21894	TraesCS4B03G0799300	1.22646	0.84767	No	No
21895	TraesCS4B03G0799600	1.41117	1.48384	UP	UP
21896	TraesCS4B03G0799700	1.72534	1.07811	UP	UP
21897	TraesCS4B03G0799700	0.87365	1.56822	No	No
21898	TraesCS4B03G0800000	1.14334	1.05408	UP	UP
21899	TraesCS4B03G0801600	0.84401	6.0953	Down	Up
21900	TraesCS4B03G0801800	0.8514	1.0426	No	No
21901	TraesCS4B03G0802600	0.90989	0.98252	Down	Down
21902	TraesCS4B03G0802900	0.53638	1.78622	No	No
21903	TraesCS4B03G0803000	0.75464	1.44138	No	No
21904	TraesCS4B03G0803200	0.78696	0.52252	Down	Down
21905	TraesCS4B03G0803500	1.12116	1.0755	UP	UP

21909	TraesCS4B03G0806000	1.35555	0.37721	Up	Down
21910	TraesCS4B03G0806100	1.17907	0.39748	Up	Down
21911	TraesCS4B03G0807200	1.56247	2.30327	Up	Up
21913	TraesCS4B03G0808000	1.16071	1.1569	UP	UP
21916	TraesCS4B03G0808300	1.58215	0.86951	No	No
21917	TraesCS4B03G0808400	1.33192	1.1694	UP	UP
21918	TraesCS4B03G0808700	0.86602	1.5471	No	No
21919	TraesCS4B03G0808900	0.87429	1.708	No	No
21920	TraesCS4B03G0809200	1.04594	0.94755	No	No
21921	TraesCS4B03G0809400	1.51463	0.26852	Up	Down
21922	TraesCS4B03G0809600	0.80804	1.17489	No	No
21923	TraesCS4B03G0809700	1.38292	0.74323	No	No
21924	TraesCS4B03G0810200	0.69921	1.04635	No	No
21925	TraesCS4B03G0810300	1.36023	0.34875	Up	Down
21926	TraesCS4B03G0810300	1.35155	0.56036	No	No
21927	TraesCS4B03G0810400	1.26165	1.10403	UP	UP
21928	TraesCS4B03G0811200	2.37982	0.076	Up	Down
21929	TraesCS4B03G0811300	0.57866	4.17248	Down	Up
21930	TraesCS4B03G0812000	1.34373	3.23916	Up	Up
21933	TraesCS4B03G0815400	0.99319	2.08166	Down	Up
21934	TraesCS4B03G0816400	1.6356	1.39498	UP	UP
21935	TraesCS4B03G0816500	0.88152	0.8759	Down	Down
21936	TraesCS4B03G0817600	1.09393	1.01102	UP	UP
21937	TraesCS4B03G0818100	0.93509	1.18698	No	No
21938	TraesCS4B03G0819000	0.81391	2.2905	Down	Up
21939	TraesCS4B03G0819700	0.57822	2.72994	Down	Up
21940	TraesCS4B03G0821600	0.71142	3.44824	Down	Up
21941	TraesCS4B03G0822000	0.97231	1.68576	No	No
21942	TraesCS4B03G0823200	1.02326	1.16555	UP	UP
21943	TraesCS4B03G0823500	0.82131	0.61799	Down	Down
21944	TraesCS4B03G0823600	0.4522	7.07597	Down	Up
21945	TraesCS4B03G0823800	0.74372	1.12153	No	No
21946	TraesCS4B03G0823900	0.57846	1.03832	No	No
21947	TraesCS4B03G0824600	0.77405	2.27568	Down	Up
21948	TraesCS4B03G0825200	0.88572	0.97125	Down	Down
21949	TraesCS4B03G0825800	1.03581	4.0619	Up	Up
21950	TraesCS4B03G0825800	1.25472	2.55499	Up	Up
21951	TraesCS4B03G0825900	1.3069	11.7998	Up	Up
21952	TraesCS4B03G0826200	1.40215	1.12336	UP	UP
21954	TraesCS4B03G0827300	1.02864	0.66308	No	No
21955	TraesCS4B03G0827400	1.35109	1.04285	UP	UP
21956	TraesCS4B03G0827500	0.85446	1.20772	No	No
21957	TraesCS4B03G0827600	1.29933	1.03302	UP	UP
21958	TraesCS4B03G0827700	0.98606	0.85158	Down	Down
21959	TraesCS4B03G0828100	0.76071	0.58323	Down	Down
21960	TraesCS4B03G0830500	0.75458	0.57623	Down	Down
21961	TraesCS4B03G0831000	0.50729	8.5893	Down	Up
21962	TraesCS4B03G0831100	0.67695	1.51982	No	No
21963	TraesCS4B03G0832800	1.12951	1.15237	UP	UP
21964	TraesCS4B03G0832900	0.85999	0.73935	Down	Down
21965	TraesCS4B03G0833100	0.68815	1.60332	No	No
21966	TraesCS4B03G0833700	0.9424	0.84421	Down	Down

21967	TraesCS4B03G0835100	1.10189	0.31204	Up	Down
21969	TraesCS4B03G0836700	0.84332	2.67537	Down	Up
21970	TraesCS4B03G0836800	0.95358	0.79519	Down	Down
21971	TraesCS4B03G0836900	1.04846	2.43275	Up	Up
21972	TraesCS4B03G0837600	0.5597	1.215	No	No
21973	TraesCS4B03G0837800	1.38375	0.29028	Up	Down
21975	TraesCS4B03G0838600	0.81306	0.90692	Down	Down
21976	TraesCS4B03G0839100	0.74481	1.21296	No	No
21977	TraesCS4B03G0840200	0.74344	1.12851	No	No
21978	TraesCS4B03G0841500	0.72273	1.27907	No	No
21979	TraesCS4B03G0841700	0.73546	1.46678	No	No
21980	TraesCS4B03G0842800	1.09764	0.97128	No	No
21981	TraesCS4B03G0843100	1.07643	1.03189	UP	UP
21982	TraesCS4B03G0844000	1.02528	0.41212	Up	Down
21983	TraesCS4B03G0844400	1.38099	0.45766	Up	Down
21984	TraesCS4B03G0844500	0.91957	0.85911	Down	Down
21985	TraesCS4B03G0844800	0.9883	1.21499	No	No
21986	TraesCS4B03G0845200	0.95418	0.65853	Down	Down
21988	TraesCS4B03G0846900	0.83097	1.05736	No	No
21990	TraesCS4B03G0847900	0.94428	0.67412	Down	Down
21991	TraesCS4B03G0848700	1.2688	1.7299	UP	UP
21992	TraesCS4B03G0849600	0.96613	1.0928	No	No
21995	TraesCS4B03G0852400	0.5555	11.8805	Down	Up
21997	TraesCS4B03G0855800	0.7835	0.58189	Down	Down
21998	TraesCS4B03G0856000	0.89209	0.38042	Down	Down
21999	TraesCS4B03G0856200	0.82786	0.70784	Down	Down
22001	TraesCS4B03G0857300	1.27963	0.62225	No	No
22002	TraesCS4B03G0857800	1.08903	0.70141	No	No
22005	TraesCS4B03G0861600	1.60035	0.52319	No	No
22006	TraesCS4B03G0861700	1.35767	0.75037	No	No
22007	TraesCS4B03G0861800	0.98444	0.38639	Down	Down
22009	TraesCS4B03G0866000	1.06991	2.6998	Up	Up
22010	TraesCS4B03G0866700	0.25344	2.48866	Down	Up
22012	TraesCS4B03G0869600	0.74916	1.28312	No	No
22013	TraesCS4B03G0871800	1.03581	1.67493	UP	UP
22014	TraesCS4B03G0872000	1.23088	0.82325	No	No
22015	TraesCS4B03G0872200	0.87769	0.69766	Down	Down
22016	TraesCS4B03G0872900	0.74	1.58749	No	No
22018	TraesCS4B03G0875000	1.24853	1.2962	UP	UP
22019	TraesCS4B03G0876800	1.00618	2.69694	Up	Up
22021	TraesCS4B03G0879200	0.83628	0.80799	Down	Down
22022	TraesCS4B03G0882200	0.61187	1.28986	No	No
22023	TraesCS4B03G0882500	0.90309	0.48875	Down	Down
22024	TraesCS4B03G0882900	0.8499	1.72095	No	No
22025	TraesCS4B03G0883200	0.93022	0.57729	Down	Down
22026	TraesCS4B03G0883800	0.8274	1.01796	No	No
22027	TraesCS4B03G0883900	0.63933	1.39319	No	No
22028	TraesCS4B03G0884100	0.46295	0.4664	Down	Down
22029	TraesCS4B03G0884300	1.24286	0.75371	No	No
22032	TraesCS4B03G0885100	0.77705	1.01637	No	No
22033	TraesCS4B03G0885400	0.63097	0.74912	Down	Down
22034	TraesCS4B03G0885500	1.02896	0.75276	No	No

22035	TraesCS4B03G0890300	0.63979	0.5187	Down	Down
22036	TraesCS4B03G0892300	1.06273	2.49021	Up	Up
22037	TraesCS4B03G0894400	0.53393	3.17647	Down	Up
22038	TraesCS4B03G0894600	1.04001	0.32046	Up	Down
22039	TraesCS4B03G0894800	0.63726	1.12615	No	No
22040	TraesCS4B03G0895000	0.83915	1.09903	No	No
22041	TraesCS4B03G0895100	0.75679	0.55659	Down	Down
22042	TraesCS4B03G0897300	0.85597	2.11404	Down	Up
22043	TraesCS4B03G0898200	0.86234	3.41261	Down	Up
22044	TraesCS4B03G0899000	0.94577	1.20733	No	No
22045	TraesCS4B03G0899400	0.99987	2.4947	Down	Up
22046	TraesCS4B03G0900600	0.76806	3.04229	Down	Up
22047	TraesCS4B03G0900800	0.98223	2.01912	Down	Up
22048	TraesCS4B03G0900900	0.99022	1.30868	No	No
22049	TraesCS4B03G0901200	0.83505	2.1062	Down	Up
22050	TraesCS4B03G0901500	0.92867	0.99001	Down	Down
22051	TraesCS4B03G0902300	0.47114	7.62731	Down	Up
22052	TraesCS4B03G0902500	0.64655	0.51694	Down	Down
22053	TraesCS4B03G0903500	1.10143	0.65959	No	No
22054	TraesCS4B03G0903700	1.02921	0.42061	Up	Down
22055	TraesCS4B03G0904200	0.84482	4.08377	Down	Up
22056	TraesCS4B03G0906500	1.04425	1.00862	UP	UP
22057	TraesCS4B03G0906800	0.52626	1.02186	No	No
22058	TraesCS4B03G0908400	0.80955	1.45276	No	No
22061	TraesCS4B03G0910400	1.08867	1.52738	UP	UP
22062	TraesCS4B03G0910900	0.89979	0.76693	Down	Down
22064	TraesCS4B03G0913200	2.99704	18.6902	Up	Up
22065	TraesCS4B03G0914600	0.70617	1.87327	No	No
22066	TraesCS4B03G0917000	0.75688	1.0109	No	No
22068	TraesCS4B03G0917800	1.06548	0.55089	No	No
22070	TraesCS4B03G0918400	1.11208	0.91913	No	No
22071	TraesCS4B03G0918900	0.42557	2.98166	Down	Up
22072	TraesCS4B03G0919000	1.32514	1.78468	UP	UP
22073	TraesCS4B03G0920400	1.19808	0.52673	No	No
22074	TraesCS4B03G0920700	1.78255	0.11212	Up	Down
22075	TraesCS4B03G0920900	1.27409	0.53074	No	No
22076	TraesCS4B03G0921000	1.18033	0.49712	Up	Down
22077	TraesCS4B03G0921200	1.14224	0.84533	No	No
22080	TraesCS4B03G0923100	0.92226	1.35688	No	No
22081	TraesCS4B03G0923200	1.09876	0.81782	No	No
22082	TraesCS4B03G0923500	0.88695	0.76738	Down	Down
22083	TraesCS4B03G0923500	1.13627	8.80991	Up	Up
22084	TraesCS4B03G0923800	1.01498	1.1893	UP	UP
22085	TraesCS4B03G0924200	1.06298	1.5341	UP	UP
22086	TraesCS4B03G0925800	1.29145	5.33456	Up	Up
22087	TraesCS4B03G0925900	1.25434	2.88138	Up	Up
22088	TraesCS4B03G0928900	0.61087	1.27281	No	No
22089	TraesCS4B03G0932200	0.90133	0.64063	Down	Down
22090	TraesCS4B03G0932300	0.83378	2.15047	Down	Up
22094	TraesCS4B03G0934900	0.90898	2.33704	Down	Up
22095	TraesCS4B03G0935100	1.65403	1.53082	UP	UP
22096	TraesCS4B03G0935200	0.85552	1.38417	No	No

22097	TraesCS4B03G0935200	1.28036	1.99104	UP	UP
22098	TraesCS4B03G0935300	1.07758	5.02061	Up	Up
22099	TraesCS4B03G0935400	1.15911	0.52789	No	No
22100	TraesCS4B03G0936400	1.11041	1.26684	UP	UP
22101	TraesCS4B03G0936500	0.85333	1.0534	No	No
22102	TraesCS4B03G0936500	0.92829	0.94936	Down	Down
22103	TraesCS4B03G0936800	0.95249	0.55319	Down	Down
22104	TraesCS4B03G0938500	1.25984	1.5056	UP	UP
22107	TraesCS4B03G0940200	1.13648	1.21282	UP	UP
22108	TraesCS4B03G0940300	1.35467	0.39925	Up	Down
22109	TraesCS4B03G0945200	0.75715	1.0658	No	No
22110	TraesCS4B03G0947800	0.78345	2.51393	Down	Up
22111	TraesCS4B03G0948500	0.39394	0.35829	Down	Down
22113	TraesCS4B03G0949200	0.85168	0.03693	Down	Down
22114	TraesCS4B03G0952500	0.76881	0.72397	Down	Down
22115	TraesCS4B03G0953000	1.66688	1.24571	UP	UP
22116	TraesCS4B03G0955300	0.89846	0.99461	Down	Down
22117	TraesCS4B03G0955400	0.90865	1.3008	No	No
22118	TraesCS4B03G0955900	0.9083	0.69464	Down	Down
22119	TraesCS4B03G0956000	1.02955	3.07814	Up	Up
22120	TraesCS4B03G0956100	0.74667	1.23076	No	No
22121	TraesCS4B03G0956400	0.71315	1.43578	No	No
22125	TraesCS4B03G0957000	1.64823	0.79324	No	No
22126	TraesCS4B03G0959400	0.76877	2.25533	Down	Up
22127	TraesCS4B03G0959600	1.20159	1.17644	UP	UP
22128	TraesCS4B03G0959800	0.7989	2.13381	Down	Up
22129	TraesCS4B03G0960000	1.37785	2.73746	Up	Up
22130	TraesCS4B03G0961000	1.44236	0.33881	Up	Down
22131	TraesCS4B03G0961100	1.64661	0.66881	No	No
22132	TraesCS4B03G0961200	1.2665	0.54222	No	No
22134	TraesCS4B03G0962500	1.01582	1.1101	UP	UP
22135	TraesCS4B03G0963200	1.14283	1.14503	UP	UP
22136	TraesCS4B03G0963300	0.90611	1.14885	No	No
22137	TraesCS4B03G0964500	0.77252	1.8768	No	No
22138	TraesCS4B03G0965600	1.20708	0.86398	No	No
22139	TraesCS4B03G0965900	1.26614	2.15444	Up	Up
22140	TraesCS4B03G0967400	0.54378	0.68494	Down	Down
22142	TraesCS4B03G0969300	0.97382	1.10985	No	No
22143	TraesCS4B03G0969400	0.6827	2.80496	Down	Up
22145	TraesCS4B03G0970200	2.56028	1.28492	Up	Up
22146	TraesCS4B03G0970500	0.76117	0.48012	Down	Down
22147	TraesCS4B03G0970700	1.07302	0.49771	Up	Down
22148	TraesCS4B03G0971000	1.14956	0.74184	No	No
22149	TraesCS4B03G0971500	1.11889	0.28561	Up	Down
22150	TraesCS4B03G0971600	0.97742	1.57486	No	No
22151	TraesCS4B03G0971700	1.0235	1.47997	UP	UP
22152	TraesCS4B03G0972000	2.48135	1.33454	Up	Up
22153	TraesCS4B03G0972500	0.84922	0.87958	Down	Down
22156	TraesCS4B03G0975200	0.42305	5.21158	Down	Up
22158	TraesCS4B03G0975700	0.30856	2.1693	Down	Up
22159	TraesCS4B03G0977300	0.72098	0.75453	Down	Down
22160	TraesCS4B03G0980500	1.20113	0.94864	No	No

22161	TraesCS4B03G0986000	1.0255	0.86689	No	No
22162	TraesCS4B03G0986200	0.93673	0.66184	Down	Down
22163	TraesCS4B03G0989700	0.44677	11.0815	Down	Up
22164	TraesCS4B03G0990100	0.84149	1.10376	No	No
22166	TraesCS4B03G0994900	0.4721	1.73396	Down	Up
22167	TraesCS4B03G0997100	1.49991	1.14019	UP	UP
22168	TraesCS4B03G0997100	0.80912	1.94674	No	No
22169	TraesCS4B03G0997100	0.79996	1.41656	No	No
22170	TraesCS4B03G0997500	0.20128	7.80603	Down	Up
22172	TraesCS4B03G0998200	0.73306	0.68463	Down	Down
22173	TraesCS4B03G0998300	0.76139	1.50972	No	No
22174	TraesCS4B03G0998900	0.65582	3.09565	Down	Up
22175	TraesCS4B03G0999100	0.49722	4.83091	Down	Up
22179	TraesCS4B03G1004900	1.42952	0.91145	No	No
22182	TraesCS4B03G1005400	0.68073	0.65313	Down	Down
22183	TraesCS4B03G1006500	1.0157	0.9981	No	No
22184	TraesCS4B03G1008600	0.89541	1.51269	No	No
22185	TraesCS4B03G1010900	0.73762	1.53502	No	No
22186	TraesCS4B03G1011000	0.85346	1.47067	No	No
22187	TraesCS4B03G1011100	1.02945	1.31992	UP	UP
22188	TraesCS4B03G1012900	1.38112	0.92916	No	No
22190	TraesCS4B03G1016500	0.74145	2.71467	Down	Up
22191	TraesCS4B03G1018200	0.84717	0.21099	Down	Down
22192	TraesCS4B03G1018500	1.11827	0.23793	Up	Down
22193	TraesCS4B03G1019000	1.06845	1.5731	UP	UP
22195	TraesCS4B03G1019600	1.16361	2.414	Up	Up
22196	TraesCS4B03G1020000	0.8289	1.27238	No	No
22197	TraesCS4D03G0000200	0.93857	1.36602	No	No
22198	TraesCS4D03G0000500	0.92186	2.41219	Down	Up
22199	TraesCS4D03G0000900	1.11941	2.82002	Up	Up
22200	TraesCS4D03G0001200	0.69748	0.64188	Down	Down
22201	TraesCS4D03G0001200	1.28511	1.0425	UP	UP
22203	TraesCS4D03G0001800	1.32494	0.94155	No	No
22204	TraesCS4D03G0002200	0.8923	0.39522	Down	Down
22205	TraesCS4D03G0002300	0.64447	3.6335	Down	Up
22206	TraesCS4D03G0002500	0.4703	0.92069	Down	Down
22207	TraesCS4D03G0002800	0.51531	1.72111	No	No
22208	TraesCS4D03G0002900	0.90806	0.95499	Down	Down
22209	TraesCS4D03G0003000	0.64039	7.15202	Down	Up
22210	TraesCS4D03G0003800	0.6512	2.2932	Down	Up
22211	TraesCS4D03G0004100	0.97264	1.21563	No	No
22212	TraesCS4D03G0004500	1.1721	1.32457	UP	UP
22213	TraesCS4D03G0004600	0.94419	0.22104	Down	Down
22214	TraesCS4D03G0004700	0.78298	2.30037	Down	Up
22215	TraesCS4D03G0004900	0.69638	5.0672	Down	Up
22216	TraesCS4D03G0005000	0.92884	1.83296	No	No
22217	TraesCS4D03G0005100	0.89036	0.6076	Down	Down
22218	TraesCS4D03G0010800	1.08182	0.64772	No	No
22219	TraesCS4D03G0011000	0.93821	0.78287	Down	Down
22221	TraesCS4D03G0011200	1.11136	4.12719	Up	Up
22222	TraesCS4D03G0011700	0.75396	1.08627	No	No
22223	TraesCS4D03G0012000	0.70476	2.05882	Down	Up

22224	TraesCS4D03G0012300	1.35508	1.48335	UP	UP
22225	TraesCS4D03G0012600	0.91381	1.15374	No	No
22226	TraesCS4D03G0012700	0.51376	0.89571	Down	Down
22227	TraesCS4D03G0012800	1.0204	1.37257	UP	UP
22228	TraesCS4D03G0014600	0.70222	0.77413	Down	Down
22230	TraesCS4D03G0014800	2.27309	0.07489	Up	Down
22231	TraesCS4D03G0015300	1.0054	1.14159	UP	UP
22232	TraesCS4D03G0015400	0.91681	0.44457	Down	Down
22233	TraesCS4D03G0015400	2.44937	0.29653	Up	Down
22234	TraesCS4D03G0015700	0.88738	1.48468	No	No
22235	TraesCS4D03G0016900	0.98807	0.85235	Down	Down
22236	TraesCS4D03G0017000	1.21847	0.92431	No	No
22237	TraesCS4D03G0018700	0.46811	2.97676	Down	Up
22238	TraesCS4D03G0018700	0.59306	0.84618	Down	Down
22239	TraesCS4D03G0019200	1.02413	1.19392	UP	UP
22240	TraesCS4D03G0019600	0.9772	0.44204	Down	Down
22241	TraesCS4D03G0019800	0.89264	1.83825	No	No
22242	TraesCS4D03G0019900	0.78794	2.17018	Down	Up
22243	TraesCS4D03G0020000	1.97407	0.36628	Up	Down
22244	TraesCS4D03G0020200	0.60205	1.70558	No	No
22246	TraesCS4D03G0020900	1.07559	0.85775	No	No
22247	TraesCS4D03G0022600	1.28916	0.57364	No	No
22248	TraesCS4D03G0022700	0.83795	1.77985	No	No
22249	TraesCS4D03G0022800	0.87283	1.22119	No	No
22250	TraesCS4D03G0022800	0.68037	0.91573	Down	Down
22251	TraesCS4D03G0022900	0.91239	0.48054	Down	Down
22252	TraesCS4D03G0023000	0.73038	0.24236	Down	Down
22253	TraesCS4D03G0023200	1.07656	1.9203	UP	UP
22254	TraesCS4D03G0023300	0.63012	0.74327	Down	Down
22255	TraesCS4D03G0023900	1.12333	1.29274	UP	UP
22256	TraesCS4D03G0023900	0.98678	0.67013	Down	Down
22257	TraesCS4D03G0023900	0.81997	0.80841	Down	Down
22258	TraesCS4D03G0024400	0.91022	2.7429	Down	Up
22259	TraesCS4D03G0025200	0.89762	2.27417	Down	Up
22260	TraesCS4D03G0025300	0.35469	0.9781	Down	Down
22261	TraesCS4D03G0025500	2.57683	5.55301	Up	Up
22262	TraesCS4D03G0027100	0.95002	1.66117	No	No
22263	TraesCS4D03G0027200	1.60355	2.70488	Up	Up
22264	TraesCS4D03G0027600	1.10085	0.7705	No	No
22265	TraesCS4D03G0027700	0.75883	1.72301	No	No
22266	TraesCS4D03G0027800	0.63144	0.81733	Down	Down
22267	TraesCS4D03G0028200	0.65459	1.92131	No	No
22268	TraesCS4D03G0028200	0.81269	2.23036	Down	Up
22269	TraesCS4D03G0028300	1.11916	1.04984	UP	UP
22270	TraesCS4D03G0028400	0.80924	1.65603	No	No
22271	TraesCS4D03G0028700	1.00968	1.20589	UP	UP
22272	TraesCS4D03G0028800	0.9586	1.53957	No	No
22273	TraesCS4D03G0029100	0.73895	1.53534	No	No
22274	TraesCS4D03G0029400	1.13405	2.00326	Up	Up
22275	TraesCS4D03G0029500	1.26139	0.68721	No	No
22276	TraesCS4D03G0031500	0.91437	6.09899	Down	Up
22277	TraesCS4D03G0031700	1.338	0.93971	No	No

22278	TraesCS4D03G0033700	0.70153	3.25714	Down	Up
22279	TraesCS4D03G0034400	0.72142	1.5725	No	No
22280	TraesCS4D03G0034600	0.56863	0.25264	Down	Down
22281	TraesCS4D03G0035400	0.87204	0.73908	Down	Down
22282	TraesCS4D03G0036000	0.88007	0.61196	Down	Down
22283	TraesCS4D03G0036300	1.32419	0.38518	Up	Down
22284	TraesCS4D03G0036500	0.76923	1.40784	No	No
22285	TraesCS4D03G0036600	1.07922	1.22134	UP	UP
22286	TraesCS4D03G0037700	0.88021	0.9659	Down	Down
22287	TraesCS4D03G0037900	0.95551	0.98537	Down	Down
22288	TraesCS4D03G0038000	0.9048	1.16068	No	No
22290	TraesCS4D03G0038200	0.79328	0.89598	Down	Down
22291	TraesCS4D03G0040100	1.23688	1.24604	UP	UP
22294	TraesCS4D03G0040500	1.10136	0.41781	Up	Down
22295	TraesCS4D03G0040700	1.472	0.56744	No	No
22296	TraesCS4D03G0041500	1.33753	0.59547	No	No
22297	TraesCS4D03G0041900	1.32127	0.60071	No	No
22298	TraesCS4D03G0042100	0.762	1.53269	No	No
22299	TraesCS4D03G0042200	0.91745	0.89853	Down	Down
22301	TraesCS4D03G0042700	1.04848	1.82348	UP	UP
22302	TraesCS4D03G0042800	0.65017	1.89756	No	No
22303	TraesCS4D03G0043000	1.17891	1.46831	UP	UP
22304	TraesCS4D03G0043200	1.0139	0.73806	No	No
22305	TraesCS4D03G0043900	0.74861	0.83003	Down	Down
22306	TraesCS4D03G0044100	1.24822	0.50674	No	No
22310	TraesCS4D03G0046400	1.19597	0.19322	Up	Down
22311	TraesCS4D03G0046800	1.27934	0.76351	No	No
22312	TraesCS4D03G0047000	0.70139	1.42143	No	No
22313	TraesCS4D03G0047300	0.97604	4.15458	Down	Up
22314	TraesCS4D03G0047600	1.38541	1.91062	UP	UP
22315	TraesCS4D03G0048000	0.55701	2.08912	Down	Up
22316	TraesCS4D03G0048900	0.85593	2.00064	Down	Up
22317	TraesCS4D03G0049300	1.30478	0.7692	No	No
22318	TraesCS4D03G0050200	0.60102	2.08963	Down	Up
22319	TraesCS4D03G0050800	0.93916	1.27439	No	No
22320	TraesCS4D03G0052000	0.69741	1.511	No	No
22322	TraesCS4D03G0052300	0.85764	1.01513	No	No
22324	TraesCS4D03G0053000	0.75059	1.67699	No	No
22325	TraesCS4D03G0054400	1.33083	0.80136	No	No
22326	TraesCS4D03G0054500	1.17493	1.10242	UP	UP
22327	TraesCS4D03G0055800	0.87298	0.69432	Down	Down
22328	TraesCS4D03G0055900	0.70565	1.36492	No	No
22329	TraesCS4D03G0056000	0.97727	1.24961	No	No
22330	TraesCS4D03G0056200	1.03454	0.64938	No	No
22331	TraesCS4D03G0056600	0.62663	1.64094	No	No
22332	TraesCS4D03G0057000	0.69175	1.15543	No	No
22333	TraesCS4D03G0057300	0.89858	1.5752	No	No
22334	TraesCS4D03G0057400	0.69665	2.91227	Down	Up
22335	TraesCS4D03G0057800	0.67831	0.7107	Down	Down
22336	TraesCS4D03G0057900	1.10272	0.76971	No	No
22337	TraesCS4D03G0058100	0.82308	1.1597	No	No
22340	TraesCS4D03G0058600	0.75599	7.68244	Down	Up

22341	TraesCS4D03G0058900	0.75883	4.40033	Down	Up
22342	TraesCS4D03G0059200	1.19322	0.54627	No	No
22343	TraesCS4D03G0059700	1.21814	0.5883	No	No
22344	TraesCS4D03G0060000	0.84266	0.68781	Down	Down
22345	TraesCS4D03G0060200	2.01637	0.92951	Up	Down
22346	TraesCS4D03G0060300	0.76983	0.67553	Down	Down
22347	TraesCS4D03G0060400	0.94551	1.13333	No	No
22348	TraesCS4D03G0060500	0.68763	0.78138	Down	Down
22349	TraesCS4D03G0060800	0.78173	2.11911	Down	Up
22350	TraesCS4D03G0061100	1.19736	0.57431	No	No
22351	TraesCS4D03G0063200	0.56399	0.98339	Down	Down
22352	TraesCS4D03G0063200	1.3866	1.31591	UP	UP
22353	TraesCS4D03G0063600	0.32226	9.28201	Down	Up
22354	TraesCS4D03G0063900	1.02586	1.51832	UP	UP
22355	TraesCS4D03G0064000	0.81399	1.5573	No	No
22356	TraesCS4D03G0064400	0.88375	0.7413	Down	Down
22357	TraesCS4D03G0064500	1.14605	0.23234	Up	Down
22358	TraesCS4D03G0064600	0.98851	1.71494	No	No
22359	TraesCS4D03G0065000	0.90407	1.88191	No	No
22360	TraesCS4D03G0065100	0.82314	0.32793	Down	Down
22361	TraesCS4D03G0065300	0.87816	0.70413	Down	Down
22362	TraesCS4D03G0065400	1.6134	1.33844	UP	UP
22363	TraesCS4D03G0065600	0.60053	3.33907	Down	Up
22364	TraesCS4D03G0066500	0.94783	0.86385	Down	Down
22365	TraesCS4D03G0066800	1.30387	0.49895	Up	Down
22366	TraesCS4D03G0066900	0.95128	0.33573	Down	Down
22368	TraesCS4D03G0068100	0.92377	0.81951	Down	Down
22369	TraesCS4D03G0068400	1.09709	1.02414	UP	UP
22370	TraesCS4D03G0068900	1.26454	1.4261	UP	UP
22371	TraesCS4D03G0069000	1.04989	0.5257	No	No
22372	TraesCS4D03G0069200	0.78987	0.50892	Down	Down
22373	TraesCS4D03G0069600	0.75712	0.80423	Down	Down
22374	TraesCS4D03G0069800	0.6792	2.06014	Down	Up
22375	TraesCS4D03G0069900	1.24652	3.67722	Up	Up
22376	TraesCS4D03G0070000	0.80983	1.47456	No	No
22377	TraesCS4D03G0075700	2.75471	0.96791	Up	Down
22378	TraesCS4D03G0077800	0.70143	0.85526	Down	Down
22381	TraesCS4D03G0079300	0.93306	1.61667	No	No
22383	TraesCS4D03G0079700	0.97344	2.28966	Down	Up
22384	TraesCS4D03G0080300	0.88073	0.44426	Down	Down
22385	TraesCS4D03G0080500	1.40727	2.02886	Up	Up
22386	TraesCS4D03G0081000	0.9188	0.11832	Down	Down
22387	TraesCS4D03G0081300	1.08958	1.36211	UP	UP
22388	TraesCS4D03G0081400	0.78833	1.00522	No	No
22389	TraesCS4D03G0081800	0.85729	1.52312	No	No
22390	TraesCS4D03G0081900	0.74588	2.4307	Down	Up
22391	TraesCS4D03G0082000	1.23572	2.86484	Up	Up
22392	TraesCS4D03G0082100	1.1289	0.83341	No	No
22393	TraesCS4D03G0082500	1.4102	0.32276	Up	Down
22394	TraesCS4D03G0082700	0.69712	2.11093	Down	Up
22395	TraesCS4D03G0082800	0.84444	1.14197	No	No
22396	TraesCS4D03G0083200	1.10947	0.87025	No	No

22397	TraesCS4D03G0083400	0.55542	1.76347	No	No
22398	TraesCS4D03G0083700	0.82502	1.29358	No	No
22399	TraesCS4D03G0083900	0.87161	0.85421	Down	Down
22400	TraesCS4D03G0085300	0.90032	1.52983	No	No
22401	TraesCS4D03G0085600	0.83703	1.86132	No	No
22402	TraesCS4D03G0085700	0.62997	0.12756	Down	Down
22403	TraesCS4D03G0085800	0.85735	1.3326	No	No
22405	TraesCS4D03G0087500	0.43274	0.38083	Down	Down
22407	TraesCS4D03G0088000	0.87187	1.24872	No	No
22410	TraesCS4D03G0090100	1.26683	0.91348	No	No
22411	TraesCS4D03G0090500	1.13276	1.42445	UP	UP
22412	TraesCS4D03G0090900	0.99035	1.49449	No	No
22413	TraesCS4D03G0091200	0.87779	1.55825	No	No
22414	TraesCS4D03G0091300	1.23746	2.88218	Up	Up
22416	TraesCS4D03G0091900	1.59449	0.36758	Up	Down
22417	TraesCS4D03G0092400	1.55642	0.61522	No	No
22418	TraesCS4D03G0093000	0.94876	1.34263	No	No
22419	TraesCS4D03G0093100	0.49995	0.56917	Down	Down
22420	TraesCS4D03G0093400	0.74519	2.50605	Down	Up
22421	TraesCS4D03G0093600	0.88735	0.55787	Down	Down
22422	TraesCS4D03G0094300	1.20572	0.42098	Up	Down
22424	TraesCS4D03G0095100	1.07587	0.64005	No	No
22425	TraesCS4D03G0095700	0.62874	1.02324	No	No
22426	TraesCS4D03G0096100	0.43434	2.03703	Down	Up
22427	TraesCS4D03G0096500	0.91022	1.26767	No	No
22429	TraesCS4D03G0096900	0.49914	1.54247	Down	Up
22430	TraesCS4D03G0097300	1.03602	2.21516	Up	Up
22431	TraesCS4D03G0097500	1.14893	0.72683	No	No
22432	TraesCS4D03G0097500	1.57608	0.8283	No	No
22433	TraesCS4D03G0098500	1.14525	0.54257	No	No
22434	TraesCS4D03G0098600	0.98886	1.19929	No	No
22435	TraesCS4D03G0099200	0.87506	0.77132	Down	Down
22436	TraesCS4D03G0099300	1.20541	0.93365	No	No
22437	TraesCS4D03G0099700	0.73269	1.17555	No	No
22438	TraesCS4D03G0099800	1.09542	0.29177	Up	Down
22439	TraesCS4D03G0100100	1.01993	2.60017	Up	Up
22440	TraesCS4D03G0101300	0.87313	1.47872	No	No
22441	TraesCS4D03G0101800	0.7895	4.36097	Down	Up
22442	TraesCS4D03G0102600	14.5744	0.64685	Up	Down
22444	TraesCS4D03G0104300	0.89248	1.26947	No	No
22445	TraesCS4D03G0104700	0.75745	1.42415	No	No
22446	TraesCS4D03G0104900	1.20448	1.12852	UP	UP
22447	TraesCS4D03G0105000	1.77998	0.92592	No	No
22448	TraesCS4D03G0105300	0.88522	1.82119	No	No
22449	TraesCS4D03G0105400	1.19597	1.33794	UP	UP
22450	TraesCS4D03G0105700	0.87133	0.98141	Down	Down
22451	TraesCS4D03G0105800	1.20056	0.26046	Up	Down
22452	TraesCS4D03G0106000	1.01269	0.80415	No	No
22453	TraesCS4D03G0106100	1.04853	1.41503	UP	UP
22454	TraesCS4D03G0106400	1.42466	3.0618	Up	Up
22455	TraesCS4D03G0106800	1.19564	1.10377	UP	UP
22456	TraesCS4D03G0107600	1.00801	1.2612	UP	UP

22457	TraesCS4D03G0107900	1.00289	1.08236	UP	UP
22458	TraesCS4D03G0108400	1.74686	0.7555	No	No
22459	TraesCS4D03G0108500	0.81049	0.95545	Down	Down
22461	TraesCS4D03G0108700	0.82582	1.15455	No	No
22462	TraesCS4D03G0108800	0.92245	2.964	Down	Up
22463	TraesCS4D03G0111700	0.86362	1.18256	No	No
22464	TraesCS4D03G0111900	1.53208	0.2414	Up	Down
22465	TraesCS4D03G0112300	1.51944	1.63208	UP	UP
22466	TraesCS4D03G0113000	1.0396	1.09943	UP	UP
22468	TraesCS4D03G0113900	1.22154	1.17863	UP	UP
22469	TraesCS4D03G0114100	0.89967	0.44248	Down	Down
22470	TraesCS4D03G0114400	0.9225	1.15762	No	No
22472	TraesCS4D03G0114700	0.88489	1.08079	No	No
22473	TraesCS4D03G0115300	0.31775	1.65734	Down	Up
22474	TraesCS4D03G0115700	0.71374	0.39556	Down	Down
22475	TraesCS4D03G0115900	0.65723	0.54864	Down	Down
22476	TraesCS4D03G0116100	1.26573	0.46974	Up	Down
22477	TraesCS4D03G0116200	0.90558	1.47133	No	No
22480	TraesCS4D03G0117700	0.83957	5.34473	Down	Up
22481	TraesCS4D03G0118000	1.78388	3.09157	Up	Up
22482	TraesCS4D03G0118600	0.80683	0.93257	Down	Down
22483	TraesCS4D03G0119100	1.08924	1.71674	UP	UP
22484	TraesCS4D03G0119300	1.30131	1.44868	UP	UP
22485	TraesCS4D03G0120500	1.03567	0.9485	No	No
22486	TraesCS4D03G0121400	1.00106	0.86109	No	No
22487	TraesCS4D03G0123300	0.88665	0.39321	Down	Down
22490	TraesCS4D03G0124900	1.07925	0.22457	Up	Down
22491	TraesCS4D03G0125000	0.91715	1.61966	No	No
22493	TraesCS4D03G0125500	1.08181	1.09657	UP	UP
22494	TraesCS4D03G0125700	0.7057	1.27768	No	No
22495	TraesCS4D03G0125800	0.73316	1.93203	No	No
22496	TraesCS4D03G0126000	1.06382	1.55733	UP	UP
22497	TraesCS4D03G0126400	0.89025	1.06684	No	No
22498	TraesCS4D03G0126700	0.87387	0.74287	Down	Down
22499	TraesCS4D03G0126800	1.95979	2.02051	UP	UP
22500	TraesCS4D03G0127100	1.17262	1.73552	UP	UP
22501	TraesCS4D03G0127200	1.11315	1.10991	UP	UP
22502	TraesCS4D03G0127300	1.11316	1.79121	UP	UP
22504	TraesCS4D03G0127600	1.12197	1.71599	UP	UP
22506	TraesCS4D03G0128500	1.13422	0.32969	Up	Down
22507	TraesCS4D03G0129000	0.74601	2.11794	Down	Up
22508	TraesCS4D03G0129200	1.21143	0.5251	No	No
22509	TraesCS4D03G0129300	0.97272	1.37495	No	No
22510	TraesCS4D03G0129400	0.81425	2.38724	Down	Up
22511	TraesCS4D03G0130100	1.47488	1.50385	UP	UP
22512	TraesCS4D03G0130500	0.81435	1.01283	No	No
22513	TraesCS4D03G0130800	0.85619	0.38689	Down	Down
22514	TraesCS4D03G0131000	1.35304	0.5049	No	No
22515	TraesCS4D03G0131100	0.66581	1.16638	No	No
22516	TraesCS4D03G0131300	0.64428	1.63147	No	No
22517	TraesCS4D03G0131600	0.77627	1.31011	No	No
22518	TraesCS4D03G0132700	0.8114	1.84093	No	No

22519	TraesCS4D03G0133300	0.84542	1.83088	No	No
22521	TraesCS4D03G0135100	1.5095	2.44026	Up	Up
22523	TraesCS4D03G0137200	0.80686	2.35418	Down	Up
22524	TraesCS4D03G0137800	0.70167	0.67351	Down	Down
22525	TraesCS4D03G0137900	0.96335	0.84862	Down	Down
22526	TraesCS4D03G0138400	1.10193	1.20287	UP	UP
22527	TraesCS4D03G0139400	0.72789	0.42613	Down	Down
22528	TraesCS4D03G0139700	0.97356	0.40967	Down	Down
22529	TraesCS4D03G0140500	0.48465	1.0703	Down	Up
22530	TraesCS4D03G0140900	0.77641	1.01868	No	No
22531	TraesCS4D03G0141100	0.64814	1.25247	No	No
22532	TraesCS4D03G0141200	0.68366	0.92697	Down	Down
22533	TraesCS4D03G0141300	0.816	1.26721	No	No
22534	TraesCS4D03G0141400	1.10337	1.8298	UP	UP
22535	TraesCS4D03G0142300	0.78889	1.59497	No	No
22536	TraesCS4D03G0142700	0.82658	0.93976	Down	Down
22537	TraesCS4D03G0143500	0.71232	1.55743	No	No
22538	TraesCS4D03G0143700	1.5045	1.49209	UP	UP
22539	TraesCS4D03G0144100	1.33672	0.3931	Up	Down
22543	TraesCS4D03G0145700	1.32342	0.7166	No	No
22544	TraesCS4D03G0146000	0.58528	1.5588	No	No
22546	TraesCS4D03G0147000	1.59371	0.48118	Up	Down
22548	TraesCS4D03G0149000	0.55867	2.05257	Down	Up
22549	TraesCS4D03G0149100	1.06662	0.89094	No	No
22550	TraesCS4D03G0149300	0.98355	0.41596	Down	Down
22551	TraesCS4D03G0149900	1.14892	0.58223	No	No
22552	TraesCS4D03G0150100	0.63128	1.99116	No	No
22553	TraesCS4D03G0150400	0.98875	0.83531	Down	Down
22554	TraesCS4D03G0150500	1.16447	0.43031	Up	Down
22555	TraesCS4D03G0151600	0.89491	1.30299	No	No
22558	TraesCS4D03G0153500	0.55001	0.55706	Down	Down
22559	TraesCS4D03G0153600	0.87615	0.63727	Down	Down
22560	TraesCS4D03G0153600	1.35895	0.33279	Up	Down
22561	TraesCS4D03G0154200	0.66412	0.95651	Down	Down
22562	TraesCS4D03G0154900	0.94572	0.80475	Down	Down
22563	TraesCS4D03G0155400	0.79719	0.19444	Down	Down
22564	TraesCS4D03G0155600	1.08595	0.29758	Up	Down
22566	TraesCS4D03G0156100	1.59615	1.56087	UP	UP
22567	TraesCS4D03G0156300	1.0379	1.04039	UP	UP
22568	TraesCS4D03G0156600	0.84988	1.07419	No	No
22569	TraesCS4D03G0157000	0.84473	2.23304	Down	Up
22570	TraesCS4D03G0158100	0.67667	1.9952	No	No
22571	TraesCS4D03G0158700	1.0647	2.58199	Up	Up
22572	TraesCS4D03G0159200	1.29578	1.28984	UP	UP
22573	TraesCS4D03G0159300	1.03463	6.03958	Up	Up
22574	TraesCS4D03G0159700	0.52683	14.2567	Down	Up
22575	TraesCS4D03G0161300	1.05208	0.78489	No	No
22576	TraesCS4D03G0161600	1.07809	0.93511	No	No
22577	TraesCS4D03G0161700	0.63547	2.69989	Down	Up
22578	TraesCS4D03G0162100	1.05216	0.78857	No	No
22579	TraesCS4D03G0162300	1.72873	1.19824	UP	UP
22580	TraesCS4D03G0162600	0.89874	1.09556	No	No

22581	TraesCS4D03G0163300	1.12803	2.86126	Up	Up
22583	TraesCS4D03G0164000	1.56954	1.32704	UP	UP
22584	TraesCS4D03G0164800	1.28145	0.712	No	No
22587	TraesCS4D03G0165700	1.09026	0.93515	No	No
22588	TraesCS4D03G0166900	1.00636	0.6084	No	No
22589	TraesCS4D03G0167500	1.02183	0.55532	No	No
22590	TraesCS4D03G0167900	1.12833	0.86131	No	No
22591	TraesCS4D03G0168000	0.85442	0.05626	Down	Down
22592	TraesCS4D03G0168200	0.63507	1.21245	No	No
22593	TraesCS4D03G0169200	0.77127	0.3085	Down	Down
22594	TraesCS4D03G0169900	0.93292	1.7186	No	No
22595	TraesCS4D03G0170900	0.71687	0.55184	Down	Down
22596	TraesCS4D03G0171000	1.40516	0.88227	No	No
22597	TraesCS4D03G0171100	1.27468	1.57795	UP	UP
22598	TraesCS4D03G0171500	1.3061	0.97451	No	No
22599	TraesCS4D03G0171600	0.96605	0.16047	Down	Down
22601	TraesCS4D03G0173400	0.78575	6.02838	Down	Up
22602	TraesCS4D03G0173600	0.73845	2.50557	Down	Up
22603	TraesCS4D03G0174200	0.29343	14.374	Down	Up
22604	TraesCS4D03G0174300	0.50956	6.35553	Down	Up
22605	TraesCS4D03G0174600	1.02472	2.2348	Up	Up
22606	TraesCS4D03G0174800	0.43445	8.49906	Down	Up
22607	TraesCS4D03G0175000	1.20759	0.87479	No	No
22608	TraesCS4D03G0175200	0.97954	0.77956	Down	Down
22610	TraesCS4D03G0176200	0.85834	4.96555	Down	Up
22612	TraesCS4D03G0177200	1.41763	1.22586	UP	UP
22613	TraesCS4D03G0178500	0.965	2.20293	Down	Up
22614	TraesCS4D03G0178900	0.95084	1.69196	No	No
22615	TraesCS4D03G0179100	0.89414	1.45969	No	No
22618	TraesCS4D03G0179400	1.18218	3.13214	Up	Up
22619	TraesCS4D03G0179700	0.96423	0.98036	Down	Down
22621	TraesCS4D03G0180600	0.83263	1.29385	No	No
22622	TraesCS4D03G0181600	0.62142	2.5573	Down	Up
22623	TraesCS4D03G0182000	0.95443	2.37136	Down	Up
22624	TraesCS4D03G0182600	1.13493	0.70221	No	No
22625	TraesCS4D03G0182600	1.16897	0.36486	Up	Down
22626	TraesCS4D03G0182900	1.4366	0.63078	No	No
22627	TraesCS4D03G0183600	1.15495	0.732	No	No
22630	TraesCS4D03G0184200	1.17033	1.72247	UP	UP
22631	TraesCS4D03G0184800	0.87269	0.91361	Down	Down
22632	TraesCS4D03G0185600	2.08097	0.39356	Up	Down
22633	TraesCS4D03G0186000	1.15874	0.54529	No	No
22634	TraesCS4D03G0186200	0.91613	0.85545	Down	Down
22635	TraesCS4D03G0186500	1.47105	1.04532	UP	UP
22636	TraesCS4D03G0186600	0.9304	1.73735	No	No
22638	TraesCS4D03G0187300	1.1198	0.65922	No	No
22639	TraesCS4D03G0190100	1.20144	0.84194	No	No
22640	TraesCS4D03G0190300	0.65317	1.25147	No	No
22641	TraesCS4D03G0190300	0.96	1.42244	No	No
22643	TraesCS4D03G0191800	0.75752	1.91561	No	No
22644	TraesCS4D03G0192100	1.28341	0.1398	Up	Down
22646	TraesCS4D03G0193400	1.22574	1.09885	UP	UP

22647	TraesCS4D03G0193800	0.90711	0.99914	Down	Down
22648	TraesCS4D03G0194000	0.95334	8.02488	Down	Up
22649	TraesCS4D03G0194400	0.70258	1.83306	No	No
22651	TraesCS4D03G0195200	0.8533	1.06453	No	No
22653	TraesCS4D03G0195500	1.16143	1.93726	UP	UP
22654	TraesCS4D03G0195600	0.89661	0.75017	Down	Down
22655	TraesCS4D03G0196100	1.06433	1.0938	UP	UP
22656	TraesCS4D03G0197000	1.06722	1.16765	UP	UP
22658	TraesCS4D03G0199000	1.13047	0.86355	No	No
22659	TraesCS4D03G0200300	1.08586	0.8733	No	No
22660	TraesCS4D03G0201200	1.08574	0.93769	No	No
22661	TraesCS4D03G0201400	1.49571	0.78028	No	No
22662	TraesCS4D03G0201400	1.43218	0.81267	No	No
22663	TraesCS4D03G0202300	1.01151	0.33588	Up	Down
22664	TraesCS4D03G0202400	0.94495	1.91164	No	No
22665	TraesCS4D03G0203500	0.6244	3.23458	Down	Up
22666	TraesCS4D03G0204000	1.16249	0.84791	No	No
22667	TraesCS4D03G0204000	1.20531	0.80415	No	No
22668	TraesCS4D03G0205300	0.75697	2.28946	Down	Up
22669	TraesCS4D03G0205500	0.78672	0.89106	Down	Down
22670	TraesCS4D03G0206100	0.7732	1.11005	No	No
22671	TraesCS4D03G0206200	1.41961	0.11917	Up	Down
22672	TraesCS4D03G0206700	0.97626	0.59682	Down	Down
22673	TraesCS4D03G0207000	1.67845	0.58477	No	No
22674	TraesCS4D03G0207200	0.70128	1.33308	No	No
22675	TraesCS4D03G0207600	1.04691	1.38798	UP	UP
22676	TraesCS4D03G0207700	0.7614	1.30517	No	No
22677	TraesCS4D03G0207800	0.75498	1.11347	No	No
22678	TraesCS4D03G0208500	1.82322	0.36627	Up	Down
22679	TraesCS4D03G0208600	0.99615	0.60304	Down	Down
22680	TraesCS4D03G0209000	0.68338	1.82082	No	No
22681	TraesCS4D03G0209600	1.03215	2.08102	Up	Up
22682	TraesCS4D03G0210800	1.31616	0.81709	No	No
22683	TraesCS4D03G0211700	1.07118	2.65874	Up	Up
22684	TraesCS4D03G0211900	1.00343	0.43178	Up	Down
22686	TraesCS4D03G0213800	1.08747	2.01898	Up	Up
22690	TraesCS4D03G0216200	0.84144	1.63538	No	No
22691	TraesCS4D03G0216500	0.89806	0.94087	Down	Down
22692	TraesCS4D03G0217100	0.92693	0.99345	Down	Down
22693	TraesCS4D03G0217200	0.68442	4.27061	Down	Up
22694	TraesCS4D03G0217300	1.08351	0.64777	No	No
22695	TraesCS4D03G0217400	0.72776	1.65696	No	No
22696	TraesCS4D03G0217500	0.92927	3.64994	Down	Up
22697	TraesCS4D03G0217900	0.88813	0.18749	Down	Down
22698	TraesCS4D03G0219100	0.68715	3.49519	Down	Up
22699	TraesCS4D03G0219400	0.88134	0.9739	Down	Down
22700	TraesCS4D03G0219600	1.27328	0.86842	No	No
22702	TraesCS4D03G0220100	0.7136	1.08293	No	No
22703	TraesCS4D03G0220200	0.91396	0.64663	Down	Down
22705	TraesCS4D03G0221100	0.68601	1.51975	No	No
22706	TraesCS4D03G0222500	1.22967	0.80095	No	No
22707	TraesCS4D03G0222900	0.7675	0.79614	Down	Down

22708	TraesCS4D03G0223200	1.06581	1.07598	UP	UP
22711	TraesCS4D03G0224500	1.1308	0.51952	No	No
22712	TraesCS4D03G0224600	0.45852	3.33812	Down	Up
22713	TraesCS4D03G0225500	0.41103	1.48425	Down	Up
22714	TraesCS4D03G0225600	0.92997	1.05117	No	No
22715	TraesCS4D03G0226000	1.32579	1.34321	UP	UP
22716	TraesCS4D03G0226400	0.7536	1.52898	No	No
22718	TraesCS4D03G0228800	0.38477	1.35971	Down	Up
22719	TraesCS4D03G0228900	0.60372	2.09723	Down	Up
22720	TraesCS4D03G0229600	1.14843	1.34788	UP	UP
22721	TraesCS4D03G0230100	1.02424	0.25767	Up	Down
22722	TraesCS4D03G0230500	0.97813	0.38922	Down	Down
22724	TraesCS4D03G0231900	1.14386	1.33928	UP	UP
22725	TraesCS4D03G0232700	1.0222	0.6577	No	No
22727	TraesCS4D03G0235100	1.28125	0.90687	No	No
22728	TraesCS4D03G0235200	1.08138	1.82247	UP	UP
22729	TraesCS4D03G0236300	0.99518	0.69997	Down	Down
22730	TraesCS4D03G0236600	1.11991	0.85143	No	No
22731	TraesCS4D03G0237000	0.86101	1.42374	No	No
22732	TraesCS4D03G0237400	0.43099	0.19469	Down	Down
22733	TraesCS4D03G0237600	0.7473	1.96824	No	No
22734	TraesCS4D03G0237900	0.88391	1.52204	No	No
22737	TraesCS4D03G0238600	0.86311	0.55606	Down	Down
22738	TraesCS4D03G0239100	0.7729	1.73758	No	No
22739	TraesCS4D03G0239400	1.20366	0.58304	No	No
22740	TraesCS4D03G0239800	0.90021	1.84056	No	No
22742	TraesCS4D03G0240200	1.0748	0.91929	No	No
22743	TraesCS4D03G0240400	0.71421	1.31349	No	No
22744	TraesCS4D03G0240700	0.92448	0.23657	Down	Down
22745	TraesCS4D03G0241800	0.81443	2.1299	Down	Up
22746	TraesCS4D03G0242200	0.63706	1.50518	No	No
22748	TraesCS4D03G0243800	1.19024	0.81842	No	No
22749	TraesCS4D03G0244400	0.62759	1.94615	No	No
22750	TraesCS4D03G0244600	0.99614	0.98351	Down	Down
22752	TraesCS4D03G0244900	1.23091	0.96549	No	No
22753	TraesCS4D03G0245000	1.04944	1.20088	UP	UP
22754	TraesCS4D03G0245000	1.23382	0.78592	No	No
22755	TraesCS4D03G0245700	0.94668	1.43089	No	No
22756	TraesCS4D03G0245800	1.22432	0.27103	Up	Down
22757	TraesCS4D03G0245900	0.5963	1.40832	No	No
22759	TraesCS4D03G0246100	0.6037	0.87391	Down	Down
22760	TraesCS4D03G0246200	1.23001	0.78869	No	No
22761	TraesCS4D03G0246900	0.87912	1.14482	No	No
22762	TraesCS4D03G0247700	1.11391	0.35733	Up	Down
22763	TraesCS4D03G0247800	1.44664	1.30315	UP	UP
22764	TraesCS4D03G0248100	1.07354	1.00628	UP	UP
22765	TraesCS4D03G0249000	1.2059	0.49355	Up	Down
22766	TraesCS4D03G0249100	0.32214	10.5735	Down	Up
22767	TraesCS4D03G0249500	0.88075	1.51323	No	No
22768	TraesCS4D03G0249600	0.88874	0.31957	Down	Down
22769	TraesCS4D03G0249600	1.42139	0.78283	No	No
22770	TraesCS4D03G0249900	0.78823	2.03156	Down	Up

22771	TraesCS4D03G0250200	0.73269	1.43457	No	No
22772	TraesCS4D03G0250400	1.05033	0.8148	No	No
22773	TraesCS4D03G0250600	2.06347	0.47868	Up	Down
22774	TraesCS4D03G0251100	0.81828	1.04256	No	No
22775	TraesCS4D03G0251200	1.64143	1.51696	UP	UP
22776	TraesCS4D03G0251300	1.3986	1.12329	UP	UP
22777	TraesCS4D03G0252800	1.07451	0.95583	No	No
22778	TraesCS4D03G0253900	0.7649	1.81044	No	No
22780	TraesCS4D03G0254300	0.42997	2.16648	Down	Up
22781	TraesCS4D03G0255200	1.5276	1.12192	UP	UP
22782	TraesCS4D03G0255300	1.08978	0.9188	No	No
22783	TraesCS4D03G0255400	1.04271	0.82359	No	No
22784	TraesCS4D03G0255800	1.46235	1.08458	UP	UP
22785	TraesCS4D03G0255900	0.92537	0.38894	Down	Down
22786	TraesCS4D03G0256900	0.75508	1.20009	No	No
22789	TraesCS4D03G0257700	0.87468	0.51341	Down	Down
22792	TraesCS4D03G0259800	1.2977	0.62817	No	No
22793	TraesCS4D03G0259900	0.80483	2.13862	Down	Up
22794	TraesCS4D03G0260100	1.11958	1.31562	UP	UP
22795	TraesCS4D03G0260400	0.78116	0.3392	Down	Down
22796	TraesCS4D03G0260700	0.93922	0.84456	Down	Down
22797	TraesCS4D03G0261000	0.90566	2.23732	Down	Up
22799	TraesCS4D03G0262600	0.83951	1.03655	No	No
22800	TraesCS4D03G0262800	1.52797	0.63652	No	No
22801	TraesCS4D03G0262800	1.29865	1.05639	UP	UP
22802	TraesCS4D03G0263100	0.49041	1.75658	Down	Up
22803	TraesCS4D03G0263500	0.92347	0.92307	Down	Down
22804	TraesCS4D03G0263800	1.10856	1.01442	UP	UP
22805	TraesCS4D03G0264100	1.06085	0.62871	No	No
22806	TraesCS4D03G0264700	0.68871	1.17146	No	No
22808	TraesCS4D03G0265200	1.29061	1.27103	UP	UP
22810	TraesCS4D03G0266200	1.27061	1.72144	UP	UP
22811	TraesCS4D03G0266400	0.97434	1.07681	No	No
22812	TraesCS4D03G0266500	0.50699	5.11277	Down	Up
22813	TraesCS4D03G0266600	1.59341	1.07844	UP	UP
22814	TraesCS4D03G0266800	0.89775	1.51417	No	No
22815	TraesCS4D03G0267000	1.25958	0.71036	No	No
22817	TraesCS4D03G0267700	0.64577	0.17602	Down	Down
22818	TraesCS4D03G0267700	0.71515	0.19402	Down	Down
22819	TraesCS4D03G0268400	1.20992	0.54309	No	No
22820	TraesCS4D03G0268900	0.83748	1.00965	No	No
22822	TraesCS4D03G0269900	1.43273	3.56975	Up	Up
22824	TraesCS4D03G0270300	0.92629	2.88397	Down	Up
22825	TraesCS4D03G0270400	0.87735	1.10962	No	No
22826	TraesCS4D03G0270600	1.01637	0.75442	No	No
22827	TraesCS4D03G0283400	0.94377	2.91413	Down	Up
22828	TraesCS4D03G0283800	0.63228	1.62597	No	No
22829	TraesCS4D03G0285600	0.17673	0.52494	Down	Down
22830	TraesCS4D03G0287500	1.10896	1.81868	UP	UP
22831	TraesCS4D03G0287900	1.11922	1.74264	UP	UP
22836	TraesCS4D03G0291200	0.96862	0.37918	Down	Down
22837	TraesCS4D03G0291400	0.53336	1.62301	No	No

22845	TraesCS4D03G0293100	1.17871	0.8761	No	No
22846	TraesCS4D03G0297000	0.64362	2.57123	Down	Up
22847	TraesCS4D03G0297400	0.94125	1.08238	No	No
22848	TraesCS4D03G0297700	0.79995	0.8572	Down	Down
22849	TraesCS4D03G0297800	1.07377	2.14063	Up	Up
22850	TraesCS4D03G0298300	1.0313	0.98142	No	No
22851	TraesCS4D03G0298600	0.84297	1.33315	No	No
22852	TraesCS4D03G0303700	1.07231	0.63179	No	No
22853	TraesCS4D03G0304400	1.03244	0.54806	No	No
22854	TraesCS4D03G0304600	0.40537	0.6072	Down	Down
22855	TraesCS4D03G0304800	1.05786	0.94475	No	No
22857	TraesCS4D03G0307000	0.68058	1.95616	No	No
22859	TraesCS4D03G0309100	1.07877	0.83121	No	No
22866	TraesCS4D03G0312200	0.80802	0.32325	Down	Down
22867	TraesCS4D03G0312300	1.14164	0.75944	No	No
22868	TraesCS4D03G0312600	1.24852	1.00979	UP	UP
22869	TraesCS4D03G0312600	1.145	1.89019	UP	UP
22870	TraesCS4D03G0312800	0.78066	1.68041	No	No
22871	TraesCS4D03G0313400	1.0373	1.05437	UP	UP
22873	TraesCS4D03G0314700	1.61435	1.45726	UP	UP
22877	TraesCS4D03G0316400	1.25298	1.10951	UP	UP
22878	TraesCS4D03G0316600	0.96768	0.52398	Down	Down
22879	TraesCS4D03G0318700	1.33579	1.43168	UP	UP
22881	TraesCS4D03G0319600	0.35323	0.46423	Down	Down
22882	TraesCS4D03G0319600	0.89887	1.39137	No	No
22883	TraesCS4D03G0319800	0.74464	0.35942	Down	Down
22886	TraesCS4D03G0320600	2.07443	0.53243	Up	Down
22887	TraesCS4D03G0320600	0.67686	0.90616	Down	Down
22889	TraesCS4D03G0321600	0.88142	1.12198	No	No
22891	TraesCS4D03G0322800	0.67044	0.83847	Down	Down
22892	TraesCS4D03G0322800	0.91499	2.14245	Down	Up
22894	TraesCS4D03G0323800	0.78701	1.00132	No	No
22895	TraesCS4D03G0324100	1.13509	0.36414	Up	Down
22896	TraesCS4D03G0324400	0.92349	0.74763	Down	Down
22897	TraesCS4D03G0324600	1.06487	1.58743	UP	UP
22898	TraesCS4D03G0325300	0.97797	1.04485	No	No
22899	TraesCS4D03G0326200	0.88747	1.03611	No	No
22900	TraesCS4D03G0327300	0.89206	1.51039	No	No
22901	TraesCS4D03G0327900	0.60545	0.49893	Down	Down
22902	TraesCS4D03G0327900	0.84184	0.50767	Down	Down
22903	TraesCS4D03G0329800	1.11309	0.68515	No	No
22904	TraesCS4D03G0330600	0.62877	2.3494	Down	Up
22905	TraesCS4D03G0330600	0.90684	4.30878	Down	Up
22906	TraesCS4D03G0330700	1.21199	1.27463	UP	UP
22907	TraesCS4D03G0331300	1.28993	1.01139	UP	UP
22908	TraesCS4D03G0331300	0.67274	1.08967	No	No
22909	TraesCS4D03G0331600	1.22594	0.9112	No	No
22910	TraesCS4D03G0331800	0.52011	1.0131	No	No
22911	TraesCS4D03G0332100	1.11924	1.49708	UP	UP
22913	TraesCS4D03G0332800	0.67873	0.85372	Down	Down
22914	TraesCS4D03G0332900	1.09462	1.58172	UP	UP
22916	TraesCS4D03G0334000	1.04752	1.44967	UP	UP

22917	TraesCS4D03G0334500	1.09569	1.14183	UP	UP
22919	TraesCS4D03G0336300	0.8828	1.08328	No	No
22921	TraesCS4D03G0336600	1.17874	0.17215	Up	Down
22922	TraesCS4D03G0336700	1.02066	0.28339	Up	Down
22924	TraesCS4D03G0338300	0.8458	0.62554	Down	Down
22925	TraesCS4D03G0338600	1.08434	1.25888	UP	UP
22926	TraesCS4D03G0340500	1.32147	0.86183	No	No
22927	TraesCS4D03G0340700	0.89196	0.88562	Down	Down
22928	TraesCS4D03G0341600	0.95108	0.66736	Down	Down
22929	TraesCS4D03G0342000	0.87385	0.68119	Down	Down
22930	TraesCS4D03G0344300	0.91987	1.17479	No	No
22931	TraesCS4D03G0346900	0.90006	0.96594	Down	Down
22935	TraesCS4D03G0349900	1.13445	1.13885	UP	UP
22936	TraesCS4D03G0350800	1.33297	0.68012	No	No
22937	TraesCS4D03G0351700	0.90802	0.48337	Down	Down
22938	TraesCS4D03G0351900	0.80402	0.88925	Down	Down
22939	TraesCS4D03G0352100	1.01211	0.90706	No	No
22940	TraesCS4D03G0352600	0.88892	0.25048	Down	Down
22941	TraesCS4D03G0353100	1.44022	1.06001	UP	UP
22942	TraesCS4D03G0353900	0.92104	2.0015	Down	Up
22944	TraesCS4D03G0354400	0.34961	1.07895	Down	Up
22945	TraesCS4D03G0355400	0.97044	2.18901	Down	Up
22947	TraesCS4D03G0356900	0.9174	0.68342	Down	Down
22948	TraesCS4D03G0357300	0.71351	1.04869	No	No
22950	TraesCS4D03G0360500	0.94271	1.02756	No	No
22952	TraesCS4D03G0361400	0.78951	1.65681	No	No
22953	TraesCS4D03G0361600	0.80491	1.65311	No	No
22955	TraesCS4D03G0363100	0.90784	0.5486	Down	Down
22958	TraesCS4D03G0363600	1.28472	0.58526	No	No
22960	TraesCS4D03G0364300	0.96279	1.35404	No	No
22963	TraesCS4D03G0365900	0.71508	1.55004	No	No
22964	TraesCS4D03G0366200	0.98245	2.12169	Down	Up
22965	TraesCS4D03G0367300	1.22659	0.61636	No	No
22966	TraesCS4D03G0367700	1.16977	0.73754	No	No
22970	TraesCS4D03G0370000	0.61011	0.98116	Down	Down
22971	TraesCS4D03G0371000	0.9232	1.02545	No	No
22972	TraesCS4D03G0371600	1.02028	1.1129	UP	UP
22974	TraesCS4D03G0372200	0.55497	2.95733	Down	Up
22975	TraesCS4D03G0372400	1.14698	0.71035	No	No
22977	TraesCS4D03G0373000	1.27293	1.01299	UP	UP
22979	TraesCS4D03G0374000	0.98394	0.9409	Down	Down
22980	TraesCS4D03G0375800	1.10484	1.03167	UP	UP
22981	TraesCS4D03G0375900	0.81705	0.91928	Down	Down
22982	TraesCS4D03G0376400	1.14773	1.32992	UP	UP
22983	TraesCS4D03G0376700	1.36968	1.30437	UP	UP
22984	TraesCS4D03G0383800	1.05476	1.448	UP	UP
22985	TraesCS4D03G0385700	1.18584	1.05316	UP	UP
22987	TraesCS4D03G0388400	0.9586	1.18794	No	No
22988	TraesCS4D03G0389600	1.11846	0.83889	No	No
22989	TraesCS4D03G0390200	1.07326	1.2616	UP	UP
22990	TraesCS4D03G0390300	1.03691	0.83612	No	No
22991	TraesCS4D03G0391300	1.11049	0.96868	No	No

22992	TraesCS4D03G0391900	0.96527	0.95841	Down	Down
22994	TraesCS4D03G0393200	1.25343	1.30442	UP	UP
22995	TraesCS4D03G0394000	0.87954	1.95425	No	No
22996	TraesCS4D03G0394300	1.17792	1.08136	UP	UP
22998	TraesCS4D03G0394900	1.16516	0.63051	No	No
22999	TraesCS4D03G0395500	0.77312	1.39982	No	No
23001	TraesCS4D03G0396700	1.41981	0.46905	Up	Down
23002	TraesCS4D03G0397200	1.4334	1.5469	UP	UP
23004	TraesCS4D03G0398500	1.33309	1.19918	UP	UP
23008	TraesCS4D03G0399400	1.51269	1.07709	UP	UP
23011	TraesCS4D03G0400400	1.46756	1.44411	UP	UP
23013	TraesCS4D03G0400800	1.25159	0.67765	No	No
23015	TraesCS4D03G0402600	0.99574	0.89636	Down	Down
23016	TraesCS4D03G0403200	1.33771	0.75544	No	No
23017	TraesCS4D03G0403700	0.47172	4.37651	Down	Up
23018	TraesCS4D03G0403800	0.66595	0.88859	Down	Down
23019	TraesCS4D03G0404300	1.25666	0.84694	No	No
23025	TraesCS4D03G0407000	1.52635	0.65398	No	No
23026	TraesCS4D03G0407000	2.01828	0.30629	Up	Down
23027	TraesCS4D03G0407200	0.93907	0.31988	Down	Down
23028	TraesCS4D03G0407800	1.21483	0.9909	No	No
23030	TraesCS4D03G0408800	1.03908	1.03913	UP	UP
23032	TraesCS4D03G0410800	0.86888	1.33423	No	No
23033	TraesCS4D03G0411400	1.02397	0.54129	No	No
23035	TraesCS4D03G0413200	0.9122	1.2119	No	No
23038	TraesCS4D03G0414100	1.15958	0.18966	Up	Down
23039	TraesCS4D03G0414100	0.96563	0.94805	Down	Down
23040	TraesCS4D03G0414500	0.86296	1.05743	No	No
23042	TraesCS4D03G0415800	0.81708	1.19514	No	No
23044	TraesCS4D03G0416700	0.7443	0.62062	Down	Down
23048	TraesCS4D03G0417800	1.2025	0.70491	No	No
23049	TraesCS4D03G0417900	1.22259	1.11525	UP	UP
23050	TraesCS4D03G0418100	0.97625	1.32352	No	No
23051	TraesCS4D03G0418300	1.4792	3.05266	Up	Up
23052	TraesCS4D03G0418400	0.76768	0.24773	Down	Down
23053	TraesCS4D03G0418600	1.14519	0.85581	No	No
23054	TraesCS4D03G0418800	1.03441	0.14114	Up	Down
23055	TraesCS4D03G0419300	0.85196	0.85062	Down	Down
23056	TraesCS4D03G0419500	1.53555	0.33249	Up	Down
23057	TraesCS4D03G0420500	0.82625	1.37197	No	No
23059	TraesCS4D03G0420700	0.98806	0.36468	Down	Down
23060	TraesCS4D03G0421500	1.49594	0.73379	No	No
23062	TraesCS4D03G0422600	1.22252	0.62374	No	No
23063	TraesCS4D03G0422700	0.95606	1.37044	No	No
23064	TraesCS4D03G0424700	1.13936	0.69546	No	No
23065	TraesCS4D03G0425000	0.77734	0.7159	Down	Down
23066	TraesCS4D03G0425400	1.38316	0.39509	Up	Down
23067	TraesCS4D03G0426500	0.9214	2.88513	Down	Up
23068	TraesCS4D03G0426600	2.05288	1.20981	Up	Up
23069	TraesCS4D03G0426800	1.17737	0.91409	No	No
23070	TraesCS4D03G0427700	0.70015	0.35874	Down	Down
23071	TraesCS4D03G0428100	0.81632	1.80041	No	No

23072	TraesCS4D03G0428300	0.22843	2.69865	Down	Up
23073	TraesCS4D03G0428500	0.77735	1.05736	No	No
23074	TraesCS4D03G0428600	1.07373	0.96154	No	No
23075	TraesCS4D03G0428900	0.75813	2.26327	Down	Up
23076	TraesCS4D03G0429000	1.7515	0.68102	No	No
23077	TraesCS4D03G0429100	0.81546	0.43127	Down	Down
23078	TraesCS4D03G0429200	0.74071	1.53379	No	No
23079	TraesCS4D03G0429600	1.1326	1.58891	UP	UP
23080	TraesCS4D03G0429700	0.79359	0.8943	Down	Down
23082	TraesCS4D03G0430100	1.08528	1.23981	UP	UP
23083	TraesCS4D03G0430200	0.79524	1.82152	No	No
23084	TraesCS4D03G0430900	0.79753	0.93807	Down	Down
23087	TraesCS4D03G0431700	0.68332	0.79694	Down	Down
23088	TraesCS4D03G0432100	0.98014	0.72399	Down	Down
23089	TraesCS4D03G0432400	1.78496	0.35732	Up	Down
23090	TraesCS4D03G0432600	0.86872	1.99019	No	No
23091	TraesCS4D03G0432900	0.36028	9.03351	Down	Up
23092	TraesCS4D03G0433000	0.91762	0.57286	Down	Down
23093	TraesCS4D03G0433000	0.89454	0.53365	Down	Down
23094	TraesCS4D03G0433800	1.1373	0.87567	No	No
23095	TraesCS4D03G0433800	1.1405	1.05726	UP	UP
23096	TraesCS4D03G0434100	0.23391	1.30122	Down	Up
23097	TraesCS4D03G0434400	0.9913	2.43562	Down	Up
23098	TraesCS4D03G0435100	1.8438	0.93131	No	No
23099	TraesCS4D03G0435400	0.93271	0.45566	Down	Down
23100	TraesCS4D03G0435800	1.30146	0.85331	No	No
23101	TraesCS4D03G0436200	1.23562	0.49106	Up	Down
23102	TraesCS4D03G0436500	1.11939	4.37531	Up	Up
23103	TraesCS4D03G0437400	0.78666	1.91646	No	No
23104	TraesCS4D03G0438100	0.76334	1.95502	No	No
23105	TraesCS4D03G0438200	0.77947	1.31958	No	No
23106	TraesCS4D03G0438300	0.83579	0.85077	Down	Down
23107	TraesCS4D03G0439100	1.05549	1.02536	UP	UP
23109	TraesCS4D03G0439700	0.85129	1.39608	No	No
23110	TraesCS4D03G0439900	0.92134	0.55261	Down	Down
23111	TraesCS4D03G0440700	1.04549	1.3674	UP	UP
23112	TraesCS4D03G0440800	0.90964	0.58261	Down	Down
23113	TraesCS4D03G0441200	0.91568	1.03732	No	No
23114	TraesCS4D03G0441400	1.23037	0.97179	No	No
23115	TraesCS4D03G0441700	0.76127	0.60051	Down	Down
23116	TraesCS4D03G0441900	0.75772	0.81573	Down	Down
23117	TraesCS4D03G0442100	0.90562	1.89308	No	No
23119	TraesCS4D03G0443300	1.02964	1.41762	UP	UP
23120	TraesCS4D03G0443800	0.70583	1.18015	No	No
23121	TraesCS4D03G0443900	0.60614	1.49393	No	No
23122	TraesCS4D03G0444700	1.13354	1.20928	UP	UP
23124	TraesCS4D03G0446600	0.68376	1.89061	No	No
23125	TraesCS4D03G0446700	1.29352	1.4087	UP	UP
23126	TraesCS4D03G0446900	1.9773	0.12902	Up	Down
23127	TraesCS4D03G0447000	0.90056	1.91057	No	No
23128	TraesCS4D03G0448500	0.98257	1.36141	No	No
23130	TraesCS4D03G0449100	1.39976	1.25694	UP	UP

23131	TraesCS4D03G0449200	2.09819	0.82842	Up	Down
23133	TraesCS4D03G0449600	0.51887	1.40006	No	No
23134	TraesCS4D03G0449800	1.30301	0.57802	No	No
23135	TraesCS4D03G0450300	1.18909	0.72948	No	No
23136	TraesCS4D03G0450400	0.95033	0.48228	Down	Down
23137	TraesCS4D03G0451200	1.06528	0.52842	No	No
23138	TraesCS4D03G0451600	0.84365	0.74619	Down	Down
23139	TraesCS4D03G0452500	0.44771	1.74244	Down	Up
23140	TraesCS4D03G0452700	1.03894	1.35389	UP	UP
23141	TraesCS4D03G0452900	2.9051	1.1151	Up	Up
23142	TraesCS4D03G0453200	0.77701	1.15189	No	No
23143	TraesCS4D03G0453700	0.72126	0.80944	Down	Down
23144	TraesCS4D03G0453800	0.77263	1.88844	No	No
23145	TraesCS4D03G0454600	2.22307	1.94826	UP	UP
23146	TraesCS4D03G0454600	0.6494	0.20154	Down	Down
23147	TraesCS4D03G0455300	1.32503	0.73991	No	No
23148	TraesCS4D03G0455500	0.78579	1.37925	No	No
23149	TraesCS4D03G0456000	1.00795	1.16344	UP	UP
23150	TraesCS4D03G0456300	1.33538	0.93584	No	No
23151	TraesCS4D03G0456400	1.00907	0.3947	Up	Down
23152	TraesCS4D03G0456700	0.82462	3.07648	Down	Up
23153	TraesCS4D03G0456900	1.32637	0.32877	Up	Down
23154	TraesCS4D03G0457800	0.81954	1.22378	No	No
23155	TraesCS4D03G0458200	0.81852	0.74112	Down	Down
23156	TraesCS4D03G0458300	0.80927	1.18578	No	No
23157	TraesCS4D03G0458400	1.25971	0.7687	No	No
23158	TraesCS4D03G0458700	1.60619	1.46791	UP	UP
23159	TraesCS4D03G0459000	0.66403	0.63538	Down	Down
23160	TraesCS4D03G0459100	1.0209	2.77601	Up	Up
23161	TraesCS4D03G0460000	1.09031	0.63654	No	No
23164	TraesCS4D03G0461300	1.04782	1.96582	UP	UP
23165	TraesCS4D03G0461700	1.00051	1.36406	UP	UP
23166	TraesCS4D03G0461900	1.39941	1.04717	UP	UP
23167	TraesCS4D03G0462300	3.86248	0.69568	Up	Down
23168	TraesCS4D03G0462500	1.32883	0.47543	Up	Down
23169	TraesCS4D03G0464900	0.67705	2.64736	Down	Up
23170	TraesCS4D03G0465000	0.55435	2.10274	Down	Up
23171	TraesCS4D03G0465200	1.04182	1.09832	UP	UP
23172	TraesCS4D03G0465300	1.11634	1.47773	UP	UP
23173	TraesCS4D03G0465900	1.38753	0.76002	No	No
23174	TraesCS4D03G0467700	0.68464	1.17989	No	No
23175	TraesCS4D03G0468200	0.62266	1.23801	No	No
23176	TraesCS4D03G0468300	1.04338	1.82029	UP	UP
23177	TraesCS4D03G0468800	0.82765	1.21777	No	No
23180	TraesCS4D03G0470400	0.92019	1.30277	No	No
23182	TraesCS4D03G0471800	0.72192	0.97193	Down	Down
23183	TraesCS4D03G0472100	0.84393	1.13533	No	No
23184	TraesCS4D03G0472500	0.8466	1.18838	No	No
23185	TraesCS4D03G0472800	1.42776	0.81559	No	No
23187	TraesCS4D03G0473900	0.75693	0.67172	Down	Down
23188	TraesCS4D03G0474600	0.73241	1.41071	No	No
23189	TraesCS4D03G0474700	0.82226	2.76838	Down	Up

23190	TraesCS4D03G0474900	1.05319	0.89122	No	No
23191	TraesCS4D03G0475900	1.03149	0.55465	No	No
23192	TraesCS4D03G0475900	0.94669	0.52122	Down	Down
23193	TraesCS4D03G0476100	0.74879	1.2957	No	No
23194	TraesCS4D03G0476200	1.12572	1.06469	UP	UP
23195	TraesCS4D03G0476700	1.13192	0.94261	No	No
23196	TraesCS4D03G0477700	1.10751	1.35689	UP	UP
23197	TraesCS4D03G0478200	0.88203	1.16613	No	No
23198	TraesCS4D03G0478300	0.97742	0.98773	Down	Down
23199	TraesCS4D03G0479000	1.05375	0.69254	No	No
23200	TraesCS4D03G0479400	0.65497	0.94918	Down	Down
23201	TraesCS4D03G0479700	1.08508	0.45376	Up	Down
23202	TraesCS4D03G0479900	1.04056	1.70354	UP	UP
23203	TraesCS4D03G0480500	1.7853	0.47886	Up	Down
23204	TraesCS4D03G0481000	1.22772	3.2313	Up	Up
23205	TraesCS4D03G0482400	1.05293	1.12085	UP	UP
23206	TraesCS4D03G0482600	0.35113	5.26967	Down	Up
23207	TraesCS4D03G0483000	0.9408	0.4472	Down	Down
23208	TraesCS4D03G0483400	0.911	1.88983	No	No
23209	TraesCS4D03G0483600	1.32142	0.98871	No	No
23210	TraesCS4D03G0484600	0.80562	1.95235	No	No
23211	TraesCS4D03G0484800	1.03593	1.05701	UP	UP
23212	TraesCS4D03G0485000	1.29949	0.95195	No	No
23213	TraesCS4D03G0485200	0.92468	1.2258	No	No
23214	TraesCS4D03G0485400	0.95991	1.55387	No	No
23215	TraesCS4D03G0485500	0.70771	1.56656	No	No
23216	TraesCS4D03G0485800	0.7787	0.93923	Down	Down
23218	TraesCS4D03G0486700	1.2304	0.80516	No	No
23219	TraesCS4D03G0487100	0.8539	2.3139	Down	Up
23220	TraesCS4D03G0487600	0.86916	3.55734	Down	Up
23221	TraesCS4D03G0488400	1.04628	0.92832	No	No
23222	TraesCS4D03G0488600	0.73549	2.61241	Down	Up
23223	TraesCS4D03G0488700	1.23952	4.5189	Up	Up
23224	TraesCS4D03G0489600	1.0834	0.51516	No	No
23225	TraesCS4D03G0490000	1.11883	0.33168	Up	Down
23226	TraesCS4D03G0490200	1.12082	0.45296	Up	Down
23227	TraesCS4D03G0490300	1.25645	0.48808	Up	Down
23228	TraesCS4D03G0490400	0.84854	0.70329	Down	Down
23229	TraesCS4D03G0491200	0.8051	0.981	Down	Down
23230	TraesCS4D03G0492200	0.95376	0.78466	Down	Down
23231	TraesCS4D03G0492200	1.39603	2.76172	Up	Up
23232	TraesCS4D03G0492400	1.20319	0.83723	No	No
23233	TraesCS4D03G0492700	0.84641	1.50824	No	No
23234	TraesCS4D03G0493300	1.07139	0.44045	Up	Down
23235	TraesCS4D03G0493400	0.47866	1.10314	Down	Up
23236	TraesCS4D03G0493500	3.7226	0.59543	Up	Down
23237	TraesCS4D03G0493900	0.96804	1.60421	No	No
23238	TraesCS4D03G0495300	0.97103	2.40664	Down	Up
23240	TraesCS4D03G0496200	1.05273	1.24562	UP	UP
23241	TraesCS4D03G0496600	1.07326	1.62204	UP	UP
23242	TraesCS4D03G0497300	1.1258	0.77931	No	No
23244	TraesCS4D03G0498600	0.66386	1.21238	No	No

23245	TraesCS4D03G0499100	1.02849	1.04149	UP	UP
23246	TraesCS4D03G0499200	1.07449	3.10972	Up	Up
23247	TraesCS4D03G0499400	1.15019	0.28034	Up	Down
23248	TraesCS4D03G0499600	0.78641	1.37123	No	No
23249	TraesCS4D03G0499800	0.784	0.24864	Down	Down
23250	TraesCS4D03G0499900	0.90438	0.99964	Down	Down
23251	TraesCS4D03G0501000	0.91532	0.33243	Down	Down
23252	TraesCS4D03G0501200	1.94321	2.87478	Up	Up
23253	TraesCS4D03G0502200	0.98214	1.30083	No	No
23254	TraesCS4D03G0502300	0.65345	0.69146	Down	Down
23255	TraesCS4D03G0502400	0.97467	0.36915	Down	Down
23256	TraesCS4D03G0502500	0.68903	0.72316	Down	Down
23257	TraesCS4D03G0503500	0.91925	1.72118	No	No
23258	TraesCS4D03G0503600	0.77294	0.92333	Down	Down
23260	TraesCS4D03G0504000	0.75616	3.65979	Down	Up
23261	TraesCS4D03G0504200	0.59631	2.19742	Down	Up
23262	TraesCS4D03G0504300	0.66556	1.90227	No	No
23263	TraesCS4D03G0504600	1.33595	1.45572	UP	UP
23264	TraesCS4D03G0505000	0.79406	0.48177	Down	Down
23265	TraesCS4D03G0505800	1.22007	2.2011	Up	Up
23267	TraesCS4D03G0506500	1.82545	0.25336	Up	Down
23269	TraesCS4D03G0507200	0.65642	0.47837	Down	Down
23270	TraesCS4D03G0507700	0.80078	1.43802	No	No
23271	TraesCS4D03G0508700	1.24745	1.77511	UP	UP
23273	TraesCS4D03G0509000	0.93275	1.32473	No	No
23274	TraesCS4D03G0509200	0.71232	1.83451	No	No
23276	TraesCS4D03G0510000	1.06669	2.23662	Up	Up
23277	TraesCS4D03G0510100	1.00043	1.07967	UP	UP
23278	TraesCS4D03G0510300	1.27707	0.65823	No	No
23279	TraesCS4D03G0510500	0.81684	1.53625	No	No
23281	TraesCS4D03G0511900	2.52133	7.19446	Up	Up
23282	TraesCS4D03G0512300	0.80001	0.98076	Down	Down
23283	TraesCS4D03G0512600	0.74413	1.02913	No	No
23284	TraesCS4D03G0512700	2.27592	0.47809	Up	Down
23285	TraesCS4D03G0512900	1.19526	0.99078	No	No
23286	TraesCS4D03G0513200	0.91786	1.25176	No	No
23287	TraesCS4D03G0513300	0.97577	0.58233	Down	Down
23288	TraesCS4D03G0513900	0.83405	0.78764	Down	Down
23289	TraesCS4D03G0514100	0.88065	0.38714	Down	Down
23290	TraesCS4D03G0514300	1.01119	0.76656	No	No
23291	TraesCS4D03G0514400	1.20031	1.53307	UP	UP
23292	TraesCS4D03G0514500	0.8119	2.802	Down	Up
23293	TraesCS4D03G0514600	1.01157	0.70746	No	No
23294	TraesCS4D03G0515400	1.18536	0.16603	Up	Down
23295	TraesCS4D03G0515600	1.11841	0.51175	No	No
23296	TraesCS4D03G0516100	0.80305	3.20119	Down	Up
23297	TraesCS4D03G0516200	1.1111	0.71443	No	No
23298	TraesCS4D03G0516300	0.82927	1.23111	No	No
23299	TraesCS4D03G0516300	0.83911	1.20553	No	No
23300	TraesCS4D03G0516500	1.01149	0.76535	No	No
23301	TraesCS4D03G0517700	0.98252	0.56414	Down	Down
23303	TraesCS4D03G0519100	0.6144	1.62156	No	No

23304	TraesCS4D03G0519400	0.74597	1.54186	No	No
23305	TraesCS4D03G0519700	1.64464	0.81214	No	No
23306	TraesCS4D03G0519900	1.08662	1.68561	UP	UP
23307	TraesCS4D03G0520700	0.57585	0.59784	Down	Down
23309	TraesCS4D03G0520900	0.95079	1.21358	No	No
23310	TraesCS4D03G0521300	0.95373	1.87239	No	No
23311	TraesCS4D03G0521400	0.76309	1.42018	No	No
23313	TraesCS4D03G0521700	0.9369	0.52432	Down	Down
23314	TraesCS4D03G0522100	1.06378	0.38384	Up	Down
23315	TraesCS4D03G0522200	0.69011	0.62666	Down	Down
23317	TraesCS4D03G0522400	1.09959	1.55301	UP	UP
23318	TraesCS4D03G0522700	0.85459	0.33278	Down	Down
23319	TraesCS4D03G0522800	0.9414	0.84067	Down	Down
23320	TraesCS4D03G0523000	0.63157	0.52754	Down	Down
23321	TraesCS4D03G0523500	0.7263	1.54306	No	No
23322	TraesCS4D03G0523800	0.81672	0.72864	Down	Down
23323	TraesCS4D03G0523900	0.90536	1.00732	No	No
23324	TraesCS4D03G0524200	0.86114	1.16728	No	No
23325	TraesCS4D03G0524500	0.89029	1.31924	No	No
23326	TraesCS4D03G0524700	0.65072	2.6793	Down	Up
23327	TraesCS4D03G0525100	0.66376	0.59429	Down	Down
23328	TraesCS4D03G0525600	1.09225	1.15689	UP	UP
23329	TraesCS4D03G0525600	0.7694	0.85648	Down	Down
23330	TraesCS4D03G0526800	0.75252	0.72146	Down	Down
23331	TraesCS4D03G0526900	1.10846	0.78864	No	No
23332	TraesCS4D03G0527400	1.02821	1.08197	UP	UP
23333	TraesCS4D03G0528000	0.85724	3.83709	Down	Up
23334	TraesCS4D03G0528100	0.93763	1.75093	No	No
23335	TraesCS4D03G0528200	0.98101	0.89492	Down	Down
23336	TraesCS4D03G0528400	1.07575	1.47589	UP	UP
23337	TraesCS4D03G0528600	1.02552	1.74474	UP	UP
23338	TraesCS4D03G0529000	0.92582	1.20543	No	No
23339	TraesCS4D03G0529100	0.66543	1.23685	No	No
23340	TraesCS4D03G0529200	1.28714	0.96519	No	No
23341	TraesCS4D03G0529600	1.58333	0.72801	No	No
23342	TraesCS4D03G0531700	0.78993	2.52424	Down	Up
23343	TraesCS4D03G0532200	0.92409	2.68481	Down	Up
23344	TraesCS4D03G0532400	0.91161	0.88489	Down	Down
23345	TraesCS4D03G0533300	1.3983	2.09275	Up	Up
23346	TraesCS4D03G0534200	0.67075	0.9556	Down	Down
23347	TraesCS4D03G0534300	1.32446	0.77761	No	No
23350	TraesCS4D03G0535800	1.20777	1.58779	UP	UP
23352	TraesCS4D03G0536200	1.06932	1.48916	UP	UP
23354	TraesCS4D03G0536800	1.16253	0.70658	No	No
23355	TraesCS4D03G0536900	0.75542	1.57923	No	No
23356	TraesCS4D03G0537000	0.79219	1.32794	No	No
23357	TraesCS4D03G0537700	0.96691	2.10453	Down	Up
23358	TraesCS4D03G0538400	1.14779	1.56683	UP	UP
23359	TraesCS4D03G0538500	0.80804	0.8515	Down	Down
23360	TraesCS4D03G0539500	0.81589	1.32553	No	No
23361	TraesCS4D03G0539800	0.79869	3.40624	Down	Up
23362	TraesCS4D03G0540400	1.24179	0.77409	No	No

23363	TraesCS4D03G0540900	0.94538	1.15874	No	No
23364	TraesCS4D03G0541200	1.32864	0.5169	No	No
23365	TraesCS4D03G0541500	1.23883	0.35601	Up	Down
23366	TraesCS4D03G0541700	1.12682	0.5169	No	No
23367	TraesCS4D03G0541800	1.2624	0.73793	No	No
23368	TraesCS4D03G0542100	0.83768	0.75515	Down	Down
23369	TraesCS4D03G0542900	0.71751	0.96617	Down	Down
23370	TraesCS4D03G0543000	1.06878	1.23712	UP	UP
23371	TraesCS4D03G0543300	1.28342	0.86208	No	No
23372	TraesCS4D03G0544200	1.55752	0.90726	No	No
23373	TraesCS4D03G0544300	1.23477	3.31611	Up	Up
23374	TraesCS4D03G0544400	0.85138	0.93364	Down	Down
23375	TraesCS4D03G0544600	0.58664	0.73498	Down	Down
23376	TraesCS4D03G0545000	1.01411	1.88491	UP	UP
23377	TraesCS4D03G0548100	0.9554	0.90564	Down	Down
23378	TraesCS4D03G0548400	0.60347	1.89784	No	No
23379	TraesCS4D03G0549000	0.82665	3.21694	Down	Up
23380	TraesCS4D03G0551300	0.89564	2.11963	Down	Up
23381	TraesCS4D03G0551400	0.67496	1.06495	No	No
23382	TraesCS4D03G0551400	0.72962	1.4045	No	No
23383	TraesCS4D03G0551900	1.31465	1.7676	UP	UP
23384	TraesCS4D03G0552800	0.72419	1.70918	No	No
23385	TraesCS4D03G0553500	0.95627	1.33158	No	No
23386	TraesCS4D03G0554200	1.07025	2.6358	Up	Up
23387	TraesCS4D03G0554300	0.69776	0.76871	Down	Down
23388	TraesCS4D03G0554600	0.82329	0.91463	Down	Down
23389	TraesCS4D03G0555200	0.75579	1.89643	No	No
23390	TraesCS4D03G0555700	0.72554	0.96781	Down	Down
23391	TraesCS4D03G0556000	2.18916	1.21976	Up	Up
23392	TraesCS4D03G0556100	0.48241	2.60472	Down	Up
23393	TraesCS4D03G0556200	0.73299	2.16072	Down	Up
23394	TraesCS4D03G0556500	0.85904	3.08764	Down	Up
23395	TraesCS4D03G0557200	1.83445	2.22945	UP	UP
23396	TraesCS4D03G0557900	1.76047	0.37524	Up	Down
23397	TraesCS4D03G0558100	1.28513	0.98527	No	No
23398	TraesCS4D03G0558200	1.59622	1.41412	UP	UP
23399	TraesCS4D03G0558300	1.14165	1.30537	UP	UP
23400	TraesCS4D03G0559000	1.41516	1.84947	UP	UP
23401	TraesCS4D03G0559300	0.99141	0.82034	Down	Down
23402	TraesCS4D03G0559800	0.68988	1.02909	No	No
23403	TraesCS4D03G0559900	0.82775	2.49822	Down	Up
23404	TraesCS4D03G0561900	1.09114	1.5857	UP	UP
23405	TraesCS4D03G0562800	0.66338	0.84882	Down	Down
23406	TraesCS4D03G0563100	0.89749	0.87785	Down	Down
23407	TraesCS4D03G0563800	0.81441	2.04275	Down	Up
23408	TraesCS4D03G0564000	0.64459	1.46582	No	No
23409	TraesCS4D03G0564000	0.86226	2.93657	Down	Up
23410	TraesCS4D03G0564500	1.66327	0.21281	Up	Down
23411	TraesCS4D03G0564800	1.12864	1.0632	UP	UP
23412	TraesCS4D03G0565100	0.78047	0.43409	Down	Down
23413	TraesCS4D03G0566200	0.95186	1.56153	No	No
23414	TraesCS4D03G0566300	0.8973	0.68452	Down	Down

23415	TraesCS4D03G0566400	0.85659	0.90424	Down	Down
23417	TraesCS4D03G0568900	0.67551	1.70043	No	No
23418	TraesCS4D03G0569700	0.64774	1.24138	No	No
23419	TraesCS4D03G0570100	1.13621	1.58638	UP	UP
23420	TraesCS4D03G0571000	1.2203	0.64599	No	No
23421	TraesCS4D03G0571200	0.70589	0.54419	Down	Down
23422	TraesCS4D03G0572600	0.85044	0.83617	Down	Down
23423	TraesCS4D03G0572800	1.06028	1.53461	UP	UP
23424	TraesCS4D03G0573100	0.6886	0.62257	Down	Down
23425	TraesCS4D03G0573600	2.95815	0.16426	Up	Down
23426	TraesCS4D03G0573700	1.10385	0.62693	No	No
23427	TraesCS4D03G0574000	0.84487	1.54319	No	No
23428	TraesCS4D03G0575000	0.95577	1.40457	No	No
23429	TraesCS4D03G0576000	0.2486	14.4637	Down	Up
23430	TraesCS4D03G0576100	0.91794	4.1797	Down	Up
23432	TraesCS4D03G0576300	0.76907	1.0211	No	No
23433	TraesCS4D03G0576400	1.23006	0.81458	No	No
23434	TraesCS4D03G0576800	2.15025	0.89262	Up	Down
23435	TraesCS4D03G0577300	0.71058	0.83235	Down	Down
23436	TraesCS4D03G0577400	0.91279	2.49326	Down	Up
23437	TraesCS4D03G0577700	0.88413	0.76246	Down	Down
23438	TraesCS4D03G0578600	1.0362	0.4295	Up	Down
23439	TraesCS4D03G0578800	1.13404	1.1293	UP	UP
23440	TraesCS4D03G0579200	1.41616	1.02833	UP	UP
23441	TraesCS4D03G0580200	1.04596	1.48141	UP	UP
23442	TraesCS4D03G0580300	0.63746	1.05746	No	No
23443	TraesCS4D03G0580700	0.87552	0.25701	Down	Down
23444	TraesCS4D03G0581200	0.9509	1.28743	No	No
23445	TraesCS4D03G0581300	1.48053	1.37733	UP	UP
23446	TraesCS4D03G0582600	0.71132	0.59166	Down	Down
23448	TraesCS4D03G0583500	1.20415	0.36493	Up	Down
23449	TraesCS4D03G0583500	1.16309	0.84204	No	No
23450	TraesCS4D03G0583900	0.37951	0.43923	Down	Down
23451	TraesCS4D03G0584200	0.6734	0.51677	Down	Down
23452	TraesCS4D03G0584700	0.73299	1.02434	No	No
23453	TraesCS4D03G0584800	1.05338	0.74525	No	No
23454	TraesCS4D03G0585200	0.87673	2.69672	Down	Up
23455	TraesCS4D03G0585400	1.01393	0.52782	No	No
23456	TraesCS4D03G0588000	0.78902	1.29256	No	No
23457	TraesCS4D03G0588600	0.99695	1.12483	No	No
23458	TraesCS4D03G0588700	1.16792	0.55471	No	No
23459	TraesCS4D03G0589300	0.74293	0.24232	Down	Down
23460	TraesCS4D03G0589300	1.04289	4.10222	Up	Up
23462	TraesCS4D03G0590400	0.66314	7.96758	Down	Up
23463	TraesCS4D03G0590500	0.99471	0.65548	Down	Down
23464	TraesCS4D03G0591300	0.79497	1.59263	No	No
23465	TraesCS4D03G0592000	0.87362	1.05368	No	No
23466	TraesCS4D03G0592500	1.47552	1.06358	UP	UP
23467	TraesCS4D03G0592600	1.09664	1.02549	UP	UP
23468	TraesCS4D03G0593000	1.14227	1.2355	UP	UP
23469	TraesCS4D03G0593300	0.97326	0.88965	Down	Down
23470	TraesCS4D03G0594000	1.03908	0.80347	No	No

23471	TraesCS4D03G0594600	0.43709	13.151	Down	Up
23472	TraesCS4D03G0594900	0.85161	1.1385	No	No
23473	TraesCS4D03G0596500	0.76208	3.31101	Down	Up
23474	TraesCS4D03G0596600	0.91986	2.00595	Down	Up
23475	TraesCS4D03G0596800	1.08838	0.54547	No	No
23476	TraesCS4D03G0597700	0.31633	1.16147	Down	Up
23477	TraesCS4D03G0598800	0.92345	1.16313	No	No
23478	TraesCS4D03G0599000	0.81246	1.3017	No	No
23479	TraesCS4D03G0599300	1.06145	2.30772	Up	Up
23480	TraesCS4D03G0599700	0.95996	1.79388	No	No
23484	TraesCS4D03G0601100	0.80537	1.20408	No	No
23485	TraesCS4D03G0602300	0.90825	0.31556	Down	Down
23486	TraesCS4D03G0602800	1.68614	2.90184	Up	Up
23487	TraesCS4D03G0603100	1.0511	1.16251	UP	UP
23488	TraesCS4D03G0603500	1.56869	0.3327	Up	Down
23489	TraesCS4D03G0603800	1.11506	1.35884	UP	UP
23492	TraesCS4D03G0605200	1.11846	3.19235	Up	Up
23493	TraesCS4D03G0605400	1.34894	0.20187	Up	Down
23494	TraesCS4D03G0605500	0.94436	0.61852	Down	Down
23495	TraesCS4D03G0607300	0.82464	0.83973	Down	Down
23496	TraesCS4D03G0607500	0.9979	1.67547	No	No
23497	TraesCS4D03G0607600	0.98693	1.15752	No	No
23498	TraesCS4D03G0607700	0.83802	1.30366	No	No
23499	TraesCS4D03G0608100	1.49015	0.44237	Up	Down
23500	TraesCS4D03G0608900	1.55474	2.86035	Up	Up
23501	TraesCS4D03G0609400	1.31018	0.66968	No	No
23502	TraesCS4D03G0610600	0.75784	9.5607	Down	Up
23503	TraesCS4D03G0610700	1.14658	0.95109	No	No
23504	TraesCS4D03G0610800	1.48668	0.87587	No	No
23505	TraesCS4D03G0610900	1.24634	1.20258	UP	UP
23506	TraesCS4D03G0611100	1.4566	0.86344	No	No
23508	TraesCS4D03G0611400	1.13191	1.84042	UP	UP
23509	TraesCS4D03G0612500	1.51331	0.41854	Up	Down
23510	TraesCS4D03G0612600	0.81035	2.51551	Down	Up
23511	TraesCS4D03G0612800	0.67817	3.35995	Down	Up
23512	TraesCS4D03G0613400	0.94283	0.95699	Down	Down
23514	TraesCS4D03G0615000	0.75073	1.68906	No	No
23515	TraesCS4D03G0615200	1.23179	1.21569	UP	UP
23516	TraesCS4D03G0616700	1.4394	1.54943	UP	UP
23517	TraesCS4D03G0617700	1.48116	1.26714	UP	UP
23518	TraesCS4D03G0618200	0.51168	7.24611	Down	Up
23519	TraesCS4D03G0618500	1.85283	0.56761	No	No
23520	TraesCS4D03G0618500	1.06056	0.44183	Up	Down
23521	TraesCS4D03G0619700	1.11838	1.14836	UP	UP
23522	TraesCS4D03G0619900	0.89685	1.09548	No	No
23523	TraesCS4D03G0620100	0.96467	1.54044	No	No
23524	TraesCS4D03G0620200	0.92508	0.76289	Down	Down
23525	TraesCS4D03G0620500	0.91769	0.86106	Down	Down
23528	TraesCS4D03G0621200	1.09578	1.40534	UP	UP
23529	TraesCS4D03G0621300	2.35946	2.05202	UP	UP
23531	TraesCS4D03G0621600	0.93063	0.59881	Down	Down
23532	TraesCS4D03G0621700	0.97563	2.41058	Down	Up

23533	TraesCS4D03G0621900	0.75538	1.27421	No	No
23534	TraesCS4D03G0623600	0.71133	1.52694	No	No
23535	TraesCS4D03G0623800	0.69679	1.97784	No	No
23536	TraesCS4D03G0624100	0.79222	0.80593	Down	Down
23538	TraesCS4D03G0624600	1.21556	0.17365	Up	Down
23539	TraesCS4D03G0625800	1.15736	1.36474	UP	UP
23540	TraesCS4D03G0626100	0.82036	0.94017	Down	Down
23541	TraesCS4D03G0626400	1.10493	1.14802	UP	UP
23542	TraesCS4D03G0626500	1.10209	0.84129	No	No
23543	TraesCS4D03G0626900	1.34372	0.74469	No	No
23544	TraesCS4D03G0627000	0.85452	0.43453	Down	Down
23545	TraesCS4D03G0627100	0.70276	0.30745	Down	Down
23546	TraesCS4D03G0627300	1.13666	0.94214	No	No
23548	TraesCS4D03G0629000	0.75475	0.94544	Down	Down
23549	TraesCS4D03G0629300	0.68583	1.03131	No	No
23550	TraesCS4D03G0629400	0.82666	1.08895	No	No
23551	TraesCS4D03G0630100	0.67364	0.38367	Down	Down
23552	TraesCS4D03G0630800	1.12522	5.22147	Up	Up
23553	TraesCS4D03G0631500	1.07093	1.22564	UP	UP
23554	TraesCS4D03G0631600	1.14731	1.36071	UP	UP
23555	TraesCS4D03G0632000	0.57088	2.34186	Down	Up
23556	TraesCS4D03G0632100	0.78128	1.07505	No	No
23557	TraesCS4D03G0632600	1.21571	1.27452	UP	UP
23558	TraesCS4D03G0633700	0.824	2.22657	Down	Up
23559	TraesCS4D03G0633900	1.00275	0.86417	No	No
23560	TraesCS4D03G0634400	0.66825	0.30107	Down	Down
23561	TraesCS4D03G0634700	1.0428	0.70367	No	No
23562	TraesCS4D03G0635200	0.87102	1.19103	No	No
23563	TraesCS4D03G0637000	0.44639	1.42662	Down	Up
23564	TraesCS4D03G0637500	0.84599	1.42523	No	No
23565	TraesCS4D03G0637700	0.65204	0.90041	Down	Down
23566	TraesCS4D03G0638100	1.07412	4.40517	Up	Up
23567	TraesCS4D03G0638200	0.87564	1.36353	No	No
23568	TraesCS4D03G0639400	1.19903	0.7822	No	No
23569	TraesCS4D03G0639500	0.91968	0.52414	Down	Down
23570	TraesCS4D03G0639700	0.59812	1.66362	No	No
23571	TraesCS4D03G0640100	1.13446	1.52834	UP	UP
23572	TraesCS4D03G0640300	2.72665	0.4808	Up	Down
23573	TraesCS4D03G0642800	1.00181	0.88252	No	No
23574	TraesCS4D03G0642800	1.33274	1.6563	UP	UP
23575	TraesCS4D03G0643200	0.71264	14.4247	Down	Up
23576	TraesCS4D03G0643500	1.09982	2.36968	Up	Up
23577	TraesCS4D03G0643900	1.12237	0.45005	Up	Down
23578	TraesCS4D03G0644200	0.78876	1.54126	No	No
23580	TraesCS4D03G0645900	2.08895	0.81812	Up	Down
23581	TraesCS4D03G0646000	0.8712	1.21421	No	No
23582	TraesCS4D03G0646200	1.09531	0.78153	No	No
23583	TraesCS4D03G0646700	0.73805	1.1085	No	No
23584	TraesCS4D03G0646800	1.28573	0.36731	Up	Down
23585	TraesCS4D03G0647100	0.90031	3.15149	Down	Up
23586	TraesCS4D03G0647100	1.39849	0.65544	No	No
23587	TraesCS4D03G0647800	1.23012	1.75078	UP	UP

23591	TraesCS4D03G0650100	0.73624	2.20248	Down	Up
23592	TraesCS4D03G0652000	0.9929	0.71281	Down	Down
23593	TraesCS4D03G0652500	0.85798	0.69371	Down	Down
23594	TraesCS4D03G0652900	0.60142	0.97705	Down	Down
23595	TraesCS4D03G0653400	0.93065	1.24984	No	No
23597	TraesCS4D03G0654600	1.00805	0.62587	No	No
23598	TraesCS4D03G0655400	0.92186	0.95804	Down	Down
23599	TraesCS4D03G0655500	0.90172	0.9372	Down	Down
23602	TraesCS4D03G0656800	1.45297	1.98183	UP	UP
23603	TraesCS4D03G0657600	1.09251	0.41805	Up	Down
23604	TraesCS4D03G0659100	0.61346	0.58724	Down	Down
23605	TraesCS4D03G0660500	0.85063	1.25758	No	No
23606	TraesCS4D03G0661100	0.92369	0.68376	Down	Down
23607	TraesCS4D03G0661600	0.93007	1.17399	No	No
23609	TraesCS4D03G0662600	1.28506	0.99556	No	No
23611	TraesCS4D03G0664800	0.96036	0.61013	Down	Down
23613	TraesCS4D03G0665100	1.19409	0.59694	No	No
23614	TraesCS4D03G0665100	0.91562	1.65619	No	No
23615	TraesCS4D03G0665500	0.61914	1.3982	No	No
23616	TraesCS4D03G0668200	0.96793	1.17322	No	No
23618	TraesCS4D03G0669100	0.93251	1.7071	No	No
23619	TraesCS4D03G0673600	0.862	1.15576	No	No
23620	TraesCS4D03G0673700	1.13556	0.62274	No	No
23621	TraesCS4D03G0675300	1.12529	1.24807	UP	UP
23622	TraesCS4D03G0675500	1.16244	0.6737	No	No
23623	TraesCS4D03G0675600	0.81996	0.43633	Down	Down
23624	TraesCS4D03G0675700	1.19196	0.50727	No	No
23625	TraesCS4D03G0676000	1.72613	2.01678	UP	UP
23626	TraesCS4D03G0676200	1.11319	0.49636	Up	Down
23627	TraesCS4D03G0676400	0.98859	1.09542	No	No
23628	TraesCS4D03G0677000	0.84936	10.6907	Down	Up
23629	TraesCS4D03G0678600	1.15514	1.88763	UP	UP
23630	TraesCS4D03G0678800	0.79104	0.21002	Down	Down
23631	TraesCS4D03G0679400	0.86972	1.67916	No	No
23632	TraesCS4D03G0679900	1.05451	2.33051	Up	Up
23633	TraesCS4D03G0680400	1.66867	0.60387	No	No
23634	TraesCS4D03G0683000	1.09083	1.16634	UP	UP
23635	TraesCS4D03G0683300	1.19047	1.02016	UP	UP
23636	TraesCS4D03G0683500	0.72026	3.48759	Down	Up
23637	TraesCS4D03G0684800	0.88469	1.49625	No	No
23638	TraesCS4D03G0685000	0.67352	0.94343	Down	Down
23639	TraesCS4D03G0685100	1.04471	1.08896	UP	UP
23640	TraesCS4D03G0686100	0.92914	1.12822	No	No
23641	TraesCS4D03G0686200	0.63389	2.23467	Down	Up
23642	TraesCS4D03G0686900	1.20004	0.71573	No	No
23643	TraesCS4D03G0687900	0.78288	1.25743	No	No
23644	TraesCS4D03G0688500	0.88308	1.78483	No	No
23646	TraesCS4D03G0690100	0.71672	0.67544	Down	Down
23647	TraesCS4D03G0690400	0.99544	2.18229	Down	Up
23648	TraesCS4D03G0690600	0.73262	1.12496	No	No
23650	TraesCS4D03G0691500	1.39184	0.71156	No	No
23651	TraesCS4D03G0691700	0.85166	0.31587	Down	Down

23652	TraesCS4D03G0691800	0.68156	1.20979	No	No
23653	TraesCS4D03G0692100	1.18585	0.23486	Up	Down
23654	TraesCS4D03G0692200	0.83133	1.15542	No	No
23655	TraesCS4D03G0692300	1.08094	0.89023	No	No
23656	TraesCS4D03G0692300	1.06697	1.84397	UP	UP
23657	TraesCS4D03G0692300	1.6698	1.79945	UP	UP
23658	TraesCS4D03G0692700	0.79449	0.92808	Down	Down
23659	TraesCS4D03G0693000	1.39147	0.9761	No	No
23660	TraesCS4D03G0693000	1.17223	0.43405	Up	Down
23661	TraesCS4D03G0693300	0.75868	0.31362	Down	Down
23662	TraesCS4D03G0694600	0.36289	1.0681	Down	Up
23663	TraesCS4D03G0696000	0.9908	2.05706	Down	Up
23664	TraesCS4D03G0697800	0.66715	1.1498	No	No
23665	TraesCS4D03G0698000	0.85927	1.77726	No	No
23667	TraesCS4D03G0698500	1.0621	0.85385	No	No
23668	TraesCS4D03G0698700	0.92977	0.18831	Down	Down
23669	TraesCS4D03G0699400	0.69888	0.96764	Down	Down
23671	TraesCS4D03G0699900	0.79163	1.48362	No	No
23672	TraesCS4D03G0700400	0.75883	3.84202	Down	Up
23673	TraesCS4D03G0700600	0.32456	11.5371	Down	Up
23674	TraesCS4D03G0701000	0.27674	0.40661	Down	Down
23675	TraesCS4D03G0702000	0.91246	2.28315	Down	Up
23676	TraesCS4D03G0702400	1.14042	0.50474	No	No
23677	TraesCS4D03G0703700	1.11447	0.9058	No	No
23678	TraesCS4D03G0703700	1.62184	0.5371	No	No
23679	TraesCS4D03G0703700	0.57765	0.1285	Down	Down
23680	TraesCS4D03G0703900	0.74343	1.27839	No	No
23681	TraesCS4D03G0704000	0.64718	1.05952	No	No
23682	TraesCS4D03G0706100	0.84925	1.33836	No	No
23683	TraesCS4D03G0706200	1.12888	0.98266	No	No
23684	TraesCS4D03G0706400	1.11223	2.06698	Up	Up
23685	TraesCS4D03G0706700	1.11151	0.68625	No	No
23686	TraesCS4D03G0706800	1.24811	0.52931	No	No
23687	TraesCS4D03G0707200	1.2723	0.72935	No	No
23688	TraesCS4D03G0708000	0.97182	1.71574	No	No
23689	TraesCS4D03G0708500	1.31968	0.74454	No	No
23690	TraesCS4D03G0709800	0.91343	0.92659	Down	Down
23691	TraesCS4D03G0710100	0.76274	1.58617	No	No
23692	TraesCS4D03G0710900	0.78579	1.01657	No	No
23693	TraesCS4D03G0711000	1.10026	0.81708	No	No
23694	TraesCS4D03G0711300	1.21282	1.03936	UP	UP
23695	TraesCS4D03G0711400	1.88317	1.30309	UP	UP
23696	TraesCS4D03G0711900	0.9746	1.29615	No	No
23697	TraesCS4D03G0712800	3.96247	0.13548	Up	Down
23698	TraesCS4D03G0714500	0.79311	31.6853	Down	Up
23699	TraesCS4D03G0715800	0.65388	3.28531	Down	Up
23700	TraesCS4D03G0716000	0.64059	1.2549	No	No
23702	TraesCS4D03G0716300	1.09096	0.91813	No	No
23703	TraesCS4D03G0717100	0.85207	1.08249	No	No
23704	TraesCS4D03G0718000	1.08968	1.61792	UP	UP
23705	TraesCS4D03G0718100	1.14561	2.48616	Up	Up
23706	TraesCS4D03G0718100	1.12513	0.90014	No	No

23707	TraesCS4D03G0718200	1.1652	1.26379	UP	UP
23708	TraesCS4D03G0718400	1.62838	0.83572	No	No
23709	TraesCS4D03G0718900	0.83055	7.68404	Down	Up
23710	TraesCS4D03G0719000	1.0282	1.76703	UP	UP
23711	TraesCS4D03G0719500	0.79214	1.30477	No	No
23712	TraesCS4D03G0720000	0.50885	0.79302	Down	Down
23713	TraesCS4D03G0720100	1.08787	0.89962	No	No
23716	TraesCS4D03G0722700	1.00819	1.3812	UP	UP
23717	TraesCS4D03G0723600	1.05331	1.41824	UP	UP
23718	TraesCS4D03G0724000	1.01999	0.74592	No	No
23719	TraesCS4D03G0724200	0.88869	1.32224	No	No
23720	TraesCS4D03G0725000	0.92098	1.20921	No	No
23721	TraesCS4D03G0725100	0.81037	0.23029	Down	Down
23722	TraesCS4D03G0725700	0.91414	0.8659	Down	Down
23723	TraesCS4D03G0726000	1.05027	0.7272	No	No
23724	TraesCS4D03G0726500	0.83295	0.25238	Down	Down
23725	TraesCS4D03G0726700	1.18514	0.49142	Up	Down
23726	TraesCS4D03G0726800	1.43088	1.01043	UP	UP
23727	TraesCS4D03G0727500	1.44468	2.98055	Up	Up
23728	TraesCS4D03G0728100	1.68378	1.45024	UP	UP
23730	TraesCS4D03G0729600	1.23847	0.33245	Up	Down
23731	TraesCS4D03G0730300	1.18335	1.42418	UP	UP
23732	TraesCS4D03G0731200	1.03333	1.07678	UP	UP
23733	TraesCS4D03G0731700	0.38815	2.19604	Down	Up
23734	TraesCS4D03G0731800	0.63017	3.88252	Down	Up
23735	TraesCS4D03G0733200	1.00127	2.24136	Up	Up
23736	TraesCS4D03G0734700	0.73155	1.21451	No	No
23737	TraesCS4D03G0734800	0.93536	0.79446	Down	Down
23738	TraesCS4D03G0735100	0.71828	1.97893	No	No
23739	TraesCS4D03G0736500	0.68324	1.33275	No	No
23740	TraesCS4D03G0736800	1.00585	2.27975	Up	Up
23741	TraesCS4D03G0736900	1.14091	2.93693	Up	Up
23742	TraesCS4D03G0737100	0.99129	1.18821	No	No
23743	TraesCS4D03G0737800	1.11389	0.87893	No	No
23744	TraesCS4D03G0738000	1.55029	1.20573	UP	UP
23745	TraesCS4D03G0738100	0.93225	0.74479	Down	Down
23746	TraesCS4D03G0738300	1.11389	1.05146	UP	UP
23747	TraesCS4D03G0738400	1.17686	0.98099	No	No
23748	TraesCS4D03G0738700	1.04022	0.30718	Up	Down
23749	TraesCS4D03G0739800	0.55422	0.78461	Down	Down
23750	TraesCS4D03G0740200	1.25949	3.3203	Up	Up
23751	TraesCS4D03G0740500	0.70195	0.9317	Down	Down
23752	TraesCS4D03G0741600	1.24473	1.19079	UP	UP
23753	TraesCS4D03G0741700	0.94332	1.39297	No	No
23754	TraesCS4D03G0742800	1.05353	0.23017	Up	Down
23756	TraesCS4D03G0743900	1.11427	4.21325	Up	Up
23757	TraesCS4D03G0744300	0.84028	1.84187	No	No
23758	TraesCS4D03G0744400	0.89291	0.98943	Down	Down
23759	TraesCS4D03G0744500	1.07673	1.42337	UP	UP
23760	TraesCS4D03G0745200	1.17449	0.36736	Up	Down
23761	TraesCS4D03G0745400	1.42441	1.0394	UP	UP
23762	TraesCS4D03G0747800	0.93628	1.09651	No	No

23763	TraesCS4D03G0749300	0.66753	1.53301	No	No
23765	TraesCS4D03G0749800	0.72403	1.2677	No	No
23766	TraesCS4D03G0751500	0.80861	1.01234	No	No
23769	TraesCS4D03G0752400	1.30092	1.01751	UP	UP
23770	TraesCS4D03G0752900	1.261	0.34327	Up	Down
23771	TraesCS4D03G0753000	0.9891	1.19297	No	No
23772	TraesCS4D03G0753300	1.22924	1.20411	UP	UP
23773	TraesCS4D03G0753500	1.12683	1.32822	UP	UP
23774	TraesCS4D03G0753500	0.97531	0.27263	Down	Down
23776	TraesCS4D03G0754100	1.21394	1.5364	UP	UP
23777	TraesCS4D03G0754500	0.79731	0.68857	Down	Down
23778	TraesCS4D03G0754900	0.60472	2.73487	Down	Up
23779	TraesCS4D03G0755600	0.98396	1.82172	No	No
23780	TraesCS4D03G0756100	0.7125	3.50023	Down	Up
23781	TraesCS4D03G0756500	3.26721	4.09922	Up	Up
23782	TraesCS4D03G0756800	0.85729	9.04018	Down	Up
23784	TraesCS4D03G0757900	0.86659	15.1628	Down	Up
23785	TraesCS4D03G0759800	1.18007	0.38463	Up	Down
23786	TraesCS4D03G0759900	0.83144	0.67084	Down	Down
23787	TraesCS4D03G0761100	1.04056	0.74847	No	No
23788	TraesCS4D03G0761200	1.34543	0.78051	No	No
23789	TraesCS4D03G0761300	1.06527	0.47051	Up	Down
23790	TraesCS4D03G0762500	1.07403	0.42827	Up	Down
23791	TraesCS4D03G0763900	1.765	0.66617	No	No
23792	TraesCS4D03G0764000	3.28873	0.30585	Up	Down
23793	TraesCS4D03G0764100	1.48646	0.23418	Up	Down
23795	TraesCS4D03G0766300	0.89457	4.01409	Down	Up
23796	TraesCS4D03G0766400	0.45187	1.98196	Down	Up
23798	TraesCS4D03G0768500	1.15884	1.41765	UP	UP
23799	TraesCS4D03G0768700	1.32734	1.14692	UP	UP
23800	TraesCS4D03G0768900	0.94667	0.83828	Down	Down
23802	TraesCS4D03G0770300	0.63815	0.99921	Down	Down
23803	TraesCS4D03G0772100	0.9143	2.81754	Down	Up
23804	TraesCS4D03G0772600	0.773	6.51703	Down	Up
23806	TraesCS4D03G0775100	0.91174	2.10442	Down	Up
23807	TraesCS4D03G0776400	0.55492	1.68336	No	No
23808	TraesCS4D03G0777400	1.08254	1.05507	UP	UP
23809	TraesCS4D03G0778000	1.04768	1.73491	UP	UP
23810	TraesCS4D03G0780500	0.70606	0.65537	Down	Down
23811	TraesCS4D03G0780500	0.7963	1.47149	No	No
23812	TraesCS4D03G0780600	0.76017	1.12416	No	No
23813	TraesCS4D03G0780800	0.45764	1.1952	Down	Up
23814	TraesCS4D03G0782000	1.04461	0.85727	No	No
23815	TraesCS4D03G0782300	1.42606	0.67481	No	No
23816	TraesCS4D03G0783000	0.92047	0.80636	Down	Down
23817	TraesCS4D03G0783100	0.69848	1.04177	No	No
23818	TraesCS4D03G0783300	1.22104	0.93641	No	No
23819	TraesCS4D03G0787400	1.21817	1.88447	UP	UP
23820	TraesCS4D03G0787800	0.69933	2.35117	Down	Up
23821	TraesCS4D03G0788200	0.72997	1.11592	No	No
23822	TraesCS4D03G0788600	0.82179	1.23043	No	No
23823	TraesCS4D03G0788700	0.77624	0.42855	Down	Down

23825	TraesCS4D03G0791300	1.25511	1.38008	UP	UP
23826	TraesCS4D03G0791600	0.58876	3.20587	Down	Up
23827	TraesCS4D03G0792300	1.00147	0.89068	No	No
23828	TraesCS4D03G0792400	1.35119	2.25006	Up	Up
23829	TraesCS4D03G0792600	0.5811	3.665	Down	Up
23830	TraesCS4D03G0793000	0.96813	1.38886	No	No
23831	TraesCS4D03G0793200	0.98119	0.8496	Down	Down
23832	TraesCS4D03G0793900	0.652	2.10958	Down	Up
23833	TraesCS4D03G0794000	0.98581	1.64178	No	No
23834	TraesCS4D03G0794300	0.5658	8.74544	Down	Up
23835	TraesCS4D03G0794400	0.61736	0.79846	Down	Down
23836	TraesCS4D03G0795300	1.01508	0.87197	No	No
23837	TraesCS4D03G0795400	1.20252	0.98881	No	No
23838	TraesCS4D03G0795500	0.91964	0.4512	Down	Down
23839	TraesCS4D03G0795900	1.05286	1.91867	UP	UP
23841	TraesCS4D03G0797700	1.00065	0.78741	No	No
23842	TraesCS4D03G0797800	0.53518	1.05149	No	No
23843	TraesCS4D03G0797900	1.26307	0.68956	No	No
23844	TraesCS4D03G0799100	1.43473	0.65728	No	No
23845	TraesCS4D03G0799400	0.74893	1.96671	No	No
23847	TraesCS4D03G0801400	0.94228	2.41975	Down	Up
23848	TraesCS4D03G0802700	1.88194	7.41035	Up	Up
23849	TraesCS4D03G0803900	0.58762	2.39518	Down	Up
23850	TraesCS4D03G0805300	1.13333	0.21133	Up	Down
23851	TraesCS4D03G0806800	1.16647	0.86513	No	No
23852	TraesCS4D03G0807000	0.45121	4.40823	Down	Up
23853	TraesCS4D03G0807700	1.15424	0.39164	Up	Down
23854	TraesCS4D03G0808000	1.31441	0.11982	Up	Down
23855	TraesCS4D03G0808100	1.04264	0.78953	No	No
23856	TraesCS4D03G0808200	1.08051	0.49077	Up	Down
23857	TraesCS4D03G0808500	1.10683	0.34947	Up	Down
23858	TraesCS4D03G0809000	0.81303	0.22474	Down	Down
23859	TraesCS4D03G0809100	0.65844	1.33433	No	No
23860	TraesCS4D03G0809200	1.00392	0.93268	No	No
23861	TraesCS4D03G0809500	1.16394	0.96156	No	No
23862	TraesCS4D03G0809600	0.80672	0.97035	Down	Down
23863	TraesCS4D03G0810100	1.4651	0.37719	Up	Down
23864	TraesCS4D03G0810300	0.72773	1.4302	No	No
23865	TraesCS4D03G0811800	0.86084	4.1088	Down	Up
23866	TraesCS4D03G0812100	1.29868	3.77264	Up	Up
23867	TraesCS4D03G0813700	0.81092	1.37299	No	No
23869	TraesCS4D03G0814000	0.44892	5.48717	Down	Up
23870	TraesCS4D03G0816700	1.00064	0.91657	No	No
23871	TraesCS4D03G0816900	0.67666	1.628	No	No
23872	TraesCS4D03G0818000	0.87873	1.50696	No	No
23873	TraesCS4D03G0818600	0.84411	1.34032	No	No
23874	TraesCS4D03G0818600	0.95248	1.72801	No	No
23875	TraesCS4D03G0818900	1.77868	4.86613	Up	Up
23876	TraesCS4D03G0819000	1.5395	0.70406	No	No
23877	TraesCS4D03G0820200	0.91619	1.29537	No	No
23878	TraesCS4D03G0820300	0.70496	0.84908	Down	Down
23879	TraesCS4D03G0820300	1.28607	1.43913	UP	UP

23880	TraesCS4D03G0820600	1.20878	0.7564	No	No
23881	TraesCS4D03G0823800	0.80499	0.90996	Down	Down
23882	TraesCS4D03G0824800	1.42713	0.96891	No	No
23883	TraesCS4D03G0826400	0.42579	0.19598	Down	Down
23884	TraesCS4D03G0826700	1.3955	1.01379	UP	UP
23885	TraesCS4D03G0826900	0.87604	2.5478	Down	Up
23886	TraesCS4D03G0827000	1.13616	1.04864	UP	UP
23887	TraesCS4D03G0827900	1.4923	3.95626	Up	Up
23888	TraesCS4D03G0828900	0.7812	2.80347	Down	Up
23889	TraesCS4D03G0829300	0.47995	1.91497	Down	Up
23890	TraesCS4D03G0831200	0.95837	0.88325	Down	Down
23891	TraesCS4D03G0831300	0.93334	1.10885	No	No
23892	TraesCS4D03G0831800	1.07871	1.28319	UP	UP
23893	TraesCS4D03G0832600	1.09028	1.44293	UP	UP
23894	TraesCS4D03G0832700	1.00139	0.76112	No	No
23895	TraesCS4D03G0832800	1.64616	1.17485	UP	UP
23896	TraesCS4D03G0832900	1.45844	0.58409	No	No
23897	TraesCS4D03G0833800	0.81849	3.55004	Down	Up
23898	TraesCS4D03G0833900	0.80541	1.94452	No	No
23899	TraesCS4D03G0834000	1.19227	1.09041	UP	UP
23900	TraesCS4D03G0834200	0.79878	3.2351	Down	Up
23901	TraesCS4D03G0835900	1.4072	1.71992	UP	UP
23902	TraesCS4D03G0836100	0.81126	0.96304	Down	Down
23903	TraesCS4D03G0836400	0.57082	1.42294	No	No
23904	TraesCS4D03G0836600	1.50503	1.32881	UP	UP
23905	TraesCS4D03G0837400	0.8828	0.97391	Down	Down
23906	TraesCS4D03G0837600	0.68712	0.79299	Down	Down
23907	TraesCS4D03G0838000	0.99295	0.62233	Down	Down
23908	TraesCS4D03G0838100	1.01403	2.60523	Up	Up
23910	TraesCS4D03G0839600	1.14371	0.99055	No	No
23911	TraesCS4D03G0841100	0.75965	1.11666	No	No
23912	TraesCS4D03G0843400	1.00848	0.63378	No	No
23913	TraesCS5A03G0000100	0.9974	1.05192	No	No
23914	TraesCS5A03G0000200	0.63991	1.88137	No	No
23916	TraesCS5A03G0000800	0.9513	1.43796	No	No
23917	TraesCS5A03G0000900	0.86624	0.16135	Down	Down
23918	TraesCS5A03G0001300	1.32252	2.41943	Up	Up
23919	TraesCS5A03G0002500	1.02984	0.76439	No	No
23920	TraesCS5A03G0005300	0.84855	1.16215	No	No
23921	TraesCS5A03G0005400	0.87012	0.73085	Down	Down
23922	TraesCS5A03G0006600	0.8591	0.6877	Down	Down
23923	TraesCS5A03G0006800	1.80373	0.40982	Up	Down
23924	TraesCS5A03G0007100	0.25506	3.12952	Down	Up
23925	TraesCS5A03G0007500	0.26747	2.05791	Down	Up
23926	TraesCS5A03G0007700	1.5971	1.57587	UP	UP
23927	TraesCS5A03G0008000	0.94707	1.29259	No	No
23928	TraesCS5A03G0008100	0.55937	0.9594	Down	Down
23929	TraesCS5A03G0008900	1.27347	0.81201	No	No
23930	TraesCS5A03G0009300	2.14674	4.13971	Up	Up
23931	TraesCS5A03G0009400	0.54538	10.8615	Down	Up
23932	TraesCS5A03G0009700	0.38123	13.0795	Down	Up
23933	TraesCS5A03G0010500	0.44439	2.24681	Down	Up

23934	TraesCS5A03G0011300	0.93738	0.86041	Down	Down
23935	TraesCS5A03G0011400	0.81109	1.303	No	No
23937	TraesCS5A03G0017500	1.36994	0.68662	No	No
23938	TraesCS5A03G0018900	1.0122	1.82014	UP	UP
23939	TraesCS5A03G0019300	1.00128	2.03902	Up	Up
23940	TraesCS5A03G0022300	1.63628	1.26132	UP	UP
23941	TraesCS5A03G0023000	0.9041	2.06137	Down	Up
23942	TraesCS5A03G0023300	1.0635	1.80539	UP	UP
23943	TraesCS5A03G0023400	0.82493	0.87746	Down	Down
23944	TraesCS5A03G0024900	1.26671	1.50253	UP	UP
23945	TraesCS5A03G0025000	1.41638	4.79319	Up	Up
23946	TraesCS5A03G0025200	1.26762	3.52628	Up	Up
23947	TraesCS5A03G0025300	0.98893	0.7478	Down	Down
23948	TraesCS5A03G0025400	0.68338	1.38192	No	No
23949	TraesCS5A03G0025800	2.06695	1.60026	UP	UP
23950	TraesCS5A03G0026900	0.46829	4.82827	Down	Up
23951	TraesCS5A03G0027900	1.28851	1.02164	UP	UP
23952	TraesCS5A03G0030000	0.99392	0.87988	Down	Down
23953	TraesCS5A03G0031900	1.01876	2.13001	Up	Up
23954	TraesCS5A03G0032700	0.94565	1.47887	No	No
23955	TraesCS5A03G0033000	0.68244	2.21108	Down	Up
23956	TraesCS5A03G0033100	0.76906	1.08187	No	No
23957	TraesCS5A03G0034100	0.76177	1.10427	No	No
23958	TraesCS5A03G0034200	1.16533	0.8025	No	No
23962	TraesCS5A03G0035500	0.93128	1.36311	No	No
23963	TraesCS5A03G0035600	1.42717	0.92934	No	No
23964	TraesCS5A03G0036700	0.35823	5.33014	Down	Up
23965	TraesCS5A03G0037100	0.99168	0.70759	Down	Down
23966	TraesCS5A03G0037900	1.26557	1.7277	UP	UP
23967	TraesCS5A03G0038100	0.68799	1.31631	No	No
23969	TraesCS5A03G0039100	0.94395	5.70424	Down	Up
23970	TraesCS5A03G0039300	1.14118	0.92883	No	No
23971	TraesCS5A03G0042800	1.45455	1.19365	UP	UP
23972	TraesCS5A03G0042900	1.1796	0.56759	No	No
23973	TraesCS5A03G0043900	1.04381	0.65791	No	No
23974	TraesCS5A03G0044200	1.11517	9.65661	Up	Up
23975	TraesCS5A03G0045500	0.65007	3.33125	Down	Up
23976	TraesCS5A03G0045900	0.67965	4.22462	Down	Up
23977	TraesCS5A03G0050500	0.94262	0.93857	Down	Down
23978	TraesCS5A03G0051400	1.18152	0.39031	Up	Down
23979	TraesCS5A03G0054600	1.04722	0.60737	No	No
23980	TraesCS5A03G0054700	0.46115	1.08464	Down	Up
23981	TraesCS5A03G0055400	0.97271	1.3744	No	No
23982	TraesCS5A03G0058900	0.83728	3.6523	Down	Up
23983	TraesCS5A03G0059600	1.16366	1.71352	UP	UP
23984	TraesCS5A03G0060700	0.74	2.35798	Down	Up
23985	TraesCS5A03G0061300	0.87697	1.35612	No	No
23986	TraesCS5A03G0062000	1.41528	1.63462	UP	UP
23987	TraesCS5A03G0063200	0.88021	1.44431	No	No
23988	TraesCS5A03G0066500	1.03343	1.6329	UP	UP
23989	TraesCS5A03G0066700	1.14127	2.30388	Up	Up
23990	TraesCS5A03G0066900	0.71064	3.75816	Down	Up

23991	TraesCS5A03G0067100	0.9457	0.70445	Down	Down
23993	TraesCS5A03G0067500	2.18364	0.99198	Up	Down
23994	TraesCS5A03G0072100	0.95651	1.26767	No	No
23995	TraesCS5A03G0073000	1.16021	0.60831	No	No
23996	TraesCS5A03G0073400	0.86412	1.05267	No	No
23997	TraesCS5A03G0073900	1.18587	0.93806	No	No
23998	TraesCS5A03G0074000	1.28348	0.43519	Up	Down
23999	TraesCS5A03G0074100	0.79489	1.54227	No	No
24000	TraesCS5A03G0076200	0.84679	1.41814	No	No
24001	TraesCS5A03G0076300	1.06272	0.35583	Up	Down
24002	TraesCS5A03G0077100	0.96377	0.41706	Down	Down
24003	TraesCS5A03G0077200	1.0595	0.90863	No	No
24004	TraesCS5A03G0077700	0.6984	1.1	No	No
24005	TraesCS5A03G0079200	1.32487	1.17738	UP	UP
24006	TraesCS5A03G0079300	0.76863	1.73767	No	No
24007	TraesCS5A03G0079700	0.77236	1.08908	No	No
24008	TraesCS5A03G0079800	0.87453	2.24626	Down	Up
24009	TraesCS5A03G0082300	0.61875	1.13625	No	No
24010	TraesCS5A03G0082400	1.21125	0.85245	No	No
24011	TraesCS5A03G0082600	3.36797	11.9498	Up	Up
24012	TraesCS5A03G0089000	1.06116	1.80473	UP	UP
24013	TraesCS5A03G0089100	0.97033	0.49896	Down	Down
24014	TraesCS5A03G0089400	1.10534	0.44358	Up	Down
24016	TraesCS5A03G0092400	0.90482	0.50588	Down	Down
24018	TraesCS5A03G0095900	1.10205	0.88943	No	No
24019	TraesCS5A03G0097600	1.26942	2.00893	Up	Up
24020	TraesCS5A03G0097800	1.0199	1.54102	UP	UP
24021	TraesCS5A03G0097900	0.58824	1.41107	No	No
24022	TraesCS5A03G0098500	0.79107	1.71238	No	No
24023	TraesCS5A03G0098900	0.77997	0.24958	Down	Down
24025	TraesCS5A03G0102600	0.85355	1.05023	No	No
24026	TraesCS5A03G0105400	1.05221	0.95212	No	No
24027	TraesCS5A03G0105600	1.28451	0.82779	No	No
24028	TraesCS5A03G0105600	0.83893	0.2389	Down	Down
24029	TraesCS5A03G0106200	1.03596	1.21197	UP	UP
24030	TraesCS5A03G0106200	0.98276	1.17084	No	No
24031	TraesCS5A03G0108200	0.98513	0.81068	Down	Down
24032	TraesCS5A03G0108400	1.23483	0.89206	No	No
24033	TraesCS5A03G0109000	0.75935	0.92393	Down	Down
24034	TraesCS5A03G0110100	0.88954	1.26553	No	No
24035	TraesCS5A03G0110300	0.8589	0.56544	Down	Down
24036	TraesCS5A03G0113400	1.05034	2.06272	Up	Up
24037	TraesCS5A03G0114800	1.1054	1.14472	UP	UP
24038	TraesCS5A03G0114900	0.94742	1.30111	No	No
24039	TraesCS5A03G0115200	0.59169	0.50148	Down	Down
24044	TraesCS5A03G0116100	1.29622	0.88542	No	No
24046	TraesCS5A03G0118600	0.98316	1.33547	No	No
24047	TraesCS5A03G0119500	1.30882	0.66248	No	No
24048	TraesCS5A03G0119600	1.02287	0.51311	No	No
24051	TraesCS5A03G0122400	1.20645	1.47535	UP	UP
24052	TraesCS5A03G0123500	1.46419	0.64275	No	No
24053	TraesCS5A03G0123600	1.86557	0.69159	No	No

24054	TraesCS5A03G0124500	2.20458	1.46325	Up	Up
24055	TraesCS5A03G0124700	1.02713	0.85483	No	No
24056	TraesCS5A03G0125000	0.53678	2.07932	Down	Up
24057	TraesCS5A03G0125200	2.28	1.14479	Up	Up
24058	TraesCS5A03G0125600	3.09243	3.1541	UP	UP
24059	TraesCS5A03G0126700	1.83719	0.73697	No	No
24060	TraesCS5A03G0127900	1.21314	0.44987	Up	Down
24061	TraesCS5A03G0128200	1.07755	0.39071	Up	Down
24062	TraesCS5A03G0129700	0.69286	2.77085	Down	Up
24063	TraesCS5A03G0130900	1.45388	1.12672	UP	UP
24064	TraesCS5A03G0131500	0.82899	2.22058	Down	Up
24065	TraesCS5A03G0131700	1.0264	1.24564	UP	UP
24066	TraesCS5A03G0132900	0.5535	1.87122	No	No
24067	TraesCS5A03G0133900	1.01426	1.74493	UP	UP
24068	TraesCS5A03G0134500	1.66841	1.36079	UP	UP
24069	TraesCS5A03G0135000	1.16995	1.1523	UP	UP
24070	TraesCS5A03G0135200	2.16199	0.4527	Up	Down
24074	TraesCS5A03G0137200	0.95042	1.10376	No	No
24075	TraesCS5A03G0137300	0.75726	0.67056	Down	Down
24076	TraesCS5A03G0137500	1.05754	1.82317	UP	UP
24077	TraesCS5A03G0137600	0.76462	1.20443	No	No
24078	TraesCS5A03G0137900	0.82617	1.33771	No	No
24080	TraesCS5A03G0142900	0.94416	0.89296	Down	Down
24081	TraesCS5A03G0143000	1.13769	0.12018	Up	Down
24083	TraesCS5A03G0143800	1.16967	0.88222	No	No
24087	TraesCS5A03G0148000	0.99724	1.10904	No	No
24088	TraesCS5A03G0148200	0.96927	0.69313	Down	Down
24090	TraesCS5A03G0151000	0.87489	2.29667	Down	Up
24091	TraesCS5A03G0151700	1.56279	0.39822	Up	Down
24092	TraesCS5A03G0152300	0.96325	1.03593	No	No
24093	TraesCS5A03G0152400	0.87087	0.99464	Down	Down
24094	TraesCS5A03G0152500	2.72857	0.82966	Up	Down
24095	TraesCS5A03G0152700	0.77894	1.94481	No	No
24096	TraesCS5A03G0153300	0.62943	1.39962	No	No
24097	TraesCS5A03G0153600	1.00432	0.49031	Up	Down
24098	TraesCS5A03G0154200	1.72925	0.8127	No	No
24099	TraesCS5A03G0154900	1.2553	0.93159	No	No
24100	TraesCS5A03G0155100	0.44821	2.1902	Down	Up
24101	TraesCS5A03G0155300	0.46629	2.85998	Down	Up
24102	TraesCS5A03G0155400	1.40025	1.95978	UP	UP
24104	TraesCS5A03G0158300	0.97773	1.5459	No	No
24105	TraesCS5A03G0160800	0.98587	1.18259	No	No
24106	TraesCS5A03G0161500	1.08518	1.26846	UP	UP
24108	TraesCS5A03G0161700	0.8834	3.76898	Down	Up
24109	TraesCS5A03G0162600	1.00205	1.78653	UP	UP
24110	TraesCS5A03G0162900	0.93563	0.39956	Down	Down
24111	TraesCS5A03G0163000	0.79314	0.15787	Down	Down
24112	TraesCS5A03G0163200	0.80559	0.78889	Down	Down
24113	TraesCS5A03G0163200	0.88811	0.79719	Down	Down
24115	TraesCS5A03G0164100	1.04039	0.35248	Up	Down
24116	TraesCS5A03G0166100	0.79261	1.83216	No	No
24117	TraesCS5A03G0166400	1.33264	1.54069	UP	UP

24118	TraesCS5A03G0166700	0.68804	0.68095	Down	Down
24119	TraesCS5A03G0167000	1.04335	1.32525	UP	UP
24120	TraesCS5A03G0167100	0.9985	0.94037	Down	Down
24121	TraesCS5A03G0167600	1.06913	0.87903	No	No
24122	TraesCS5A03G0167800	0.64251	1.64119	No	No
24123	TraesCS5A03G0170500	0.65396	0.8425	Down	Down
24124	TraesCS5A03G0173200	0.93633	1.02383	No	No
24125	TraesCS5A03G0175300	1.07792	1.39377	UP	UP
24126	TraesCS5A03G0175700	0.75494	1.13559	No	No
24128	TraesCS5A03G0176200	0.93799	1.86219	No	No
24129	TraesCS5A03G0177000	0.81866	1.09431	No	No
24130	TraesCS5A03G0177100	1.06979	0.49784	Up	Down
24131	TraesCS5A03G0177300	0.58215	1.83272	No	No
24132	TraesCS5A03G0179400	1.45928	0.91726	No	No
24133	TraesCS5A03G0180500	0.60959	1.99649	No	No
24134	TraesCS5A03G0180600	0.81028	1.58408	No	No
24135	TraesCS5A03G0180900	0.62114	1.83967	No	No
24136	TraesCS5A03G0181100	0.88124	0.5696	Down	Down
24137	TraesCS5A03G0181700	0.88317	0.56558	Down	Down
24138	TraesCS5A03G0182300	1.35346	0.32245	Up	Down
24139	TraesCS5A03G0182400	0.85038	0.31432	Down	Down
24140	TraesCS5A03G0183000	1.19633	0.70536	No	No
24141	TraesCS5A03G0183200	1.1562	1.31488	UP	UP
24142	TraesCS5A03G0183800	1.43873	0.66869	No	No
24143	TraesCS5A03G0183900	0.45703	1.56746	Down	Up
24144	TraesCS5A03G0183900	0.84337	0.71053	Down	Down
24145	TraesCS5A03G0184300	0.86084	1.61215	No	No
24146	TraesCS5A03G0184900	0.86581	1.56313	No	No
24147	TraesCS5A03G0187300	1.13679	1.59173	UP	UP
24148	TraesCS5A03G0187700	0.54223	0.81204	Down	Down
24149	TraesCS5A03G0187800	1.41284	1.85862	UP	UP
24150	TraesCS5A03G0187900	1.2312	1.53886	UP	UP
24151	TraesCS5A03G0188400	0.50733	1.05689	No	No
24152	TraesCS5A03G0189300	0.96381	0.94898	Down	Down
24153	TraesCS5A03G0189700	1.13047	1.00035	UP	UP
24155	TraesCS5A03G0191800	0.86748	0.70808	Down	Down
24157	TraesCS5A03G0192700	1.32246	1.2179	UP	UP
24158	TraesCS5A03G0193500	0.81848	1.01091	No	No
24159	TraesCS5A03G0194300	1.03674	1.41565	UP	UP
24160	TraesCS5A03G0194700	1.53372	1.75565	UP	UP
24161	TraesCS5A03G0194900	0.5738	2.8378	Down	Up
24162	TraesCS5A03G0196100	0.88356	1.04304	No	No
24163	TraesCS5A03G0196900	0.87017	0.72832	Down	Down
24164	TraesCS5A03G0197200	0.80859	0.3135	Down	Down
24165	TraesCS5A03G0197600	0.97915	0.91727	Down	Down
24166	TraesCS5A03G0198400	0.67546	1.69934	No	No
24167	TraesCS5A03G0199200	0.76676	1.44483	No	No
24168	TraesCS5A03G0199300	1.03979	1.67433	UP	UP
24169	TraesCS5A03G0199300	1.06329	1.51354	UP	UP
24170	TraesCS5A03G0200100	1.14183	1.41702	UP	UP
24171	TraesCS5A03G0200400	1.39814	0.68164	No	No
24172	TraesCS5A03G0201100	2.09411	1.21514	Up	Up

24173	TraesCS5A03G0201900	1.08287	0.51702	No	No
24176	TraesCS5A03G0206300	0.90334	1.17927	No	No
24177	TraesCS5A03G0207200	0.82931	1.9515	No	No
24179	TraesCS5A03G0207600	1.02491	0.29067	Up	Down
24180	TraesCS5A03G0207700	1.09533	1.60449	UP	UP
24181	TraesCS5A03G0207900	0.62037	0.66521	Down	Down
24183	TraesCS5A03G0208200	0.9925	0.65414	Down	Down
24184	TraesCS5A03G0208600	1.30797	0.43241	Up	Down
24185	TraesCS5A03G0208700	1.36491	0.51739	No	No
24187	TraesCS5A03G0209300	0.97547	1.14476	No	No
24188	TraesCS5A03G0209700	0.7371	1.24751	No	No
24189	TraesCS5A03G0210300	0.9769	1.62242	No	No
24190	TraesCS5A03G0210400	0.79325	0.7747	Down	Down
24191	TraesCS5A03G0210500	0.70966	0.66163	Down	Down
24192	TraesCS5A03G0210600	0.79776	0.79459	Down	Down
24194	TraesCS5A03G0211900	1.18434	0.98554	No	No
24195	TraesCS5A03G0212600	0.96941	1.09696	No	No
24196	TraesCS5A03G0212700	1.00245	1.92167	UP	UP
24197	TraesCS5A03G0212800	0.89103	1.56325	No	No
24198	TraesCS5A03G0213000	0.8272	1.55298	No	No
24199	TraesCS5A03G0213000	1.29747	0.62135	No	No
24200	TraesCS5A03G0213200	1.59274	0.15336	Up	Down
24201	TraesCS5A03G0213500	0.78522	1.57645	No	No
24202	TraesCS5A03G0215800	1.43456	0.98485	No	No
24203	TraesCS5A03G0216100	1.05659	0.59405	No	No
24204	TraesCS5A03G0216300	1.02412	0.76143	No	No
24207	TraesCS5A03G0217400	0.72865	1.12814	No	No
24208	TraesCS5A03G0217600	0.91931	0.52509	Down	Down
24209	TraesCS5A03G0218100	1.12441	1.66104	UP	UP
24210	TraesCS5A03G0218400	1.02494	0.1698	Up	Down
24211	TraesCS5A03G0218600	1.05836	1.25393	UP	UP
24212	TraesCS5A03G0219700	0.92289	0.76769	Down	Down
24213	TraesCS5A03G0219800	1.09447	1.3534	UP	UP
24215	TraesCS5A03G0221800	1.56989	1.08383	UP	UP
24216	TraesCS5A03G0222200	1.15048	0.41889	Up	Down
24217	TraesCS5A03G0223000	0.95297	1.50259	No	No
24218	TraesCS5A03G0223100	0.96007	1.74133	No	No
24219	TraesCS5A03G0223200	0.98823	0.81799	Down	Down
24221	TraesCS5A03G0225000	1.16841	0.69427	No	No
24222	TraesCS5A03G0225300	1.51863	2.26982	Up	Up
24223	TraesCS5A03G0225700	0.93964	1.05297	No	No
24224	TraesCS5A03G0226300	0.78054	1.55273	No	No
24225	TraesCS5A03G0227000	1.12569	1.20516	UP	UP
24226	TraesCS5A03G0227600	1.04479	3.18726	Up	Up
24227	TraesCS5A03G0227800	0.794	2.90267	Down	Up
24228	TraesCS5A03G0228800	0.7142	1.80754	No	No
24229	TraesCS5A03G0228800	0.83343	0.84713	Down	Down
24230	TraesCS5A03G0229500	0.47553	7.64963	Down	Up
24233	TraesCS5A03G0233400	1.06895	0.52201	No	No
24234	TraesCS5A03G0233500	1.0723	1.92211	UP	UP
24235	TraesCS5A03G0234000	0.94646	1.44661	No	No
24237	TraesCS5A03G0234700	0.95309	1.13368	No	No

24238	TraesCS5A03G0235500	0.70604	0.99551	Down	Down
24239	TraesCS5A03G0235600	0.92748	1.51806	No	No
24240	TraesCS5A03G0236000	0.95995	1.14855	No	No
24242	TraesCS5A03G0236500	0.57709	5.61991	Down	Up
24243	TraesCS5A03G0237000	1.02299	2.59418	Up	Up
24244	TraesCS5A03G0237300	1.21815	2.3573	Up	Up
24245	TraesCS5A03G0237400	0.85499	0.49685	Down	Down
24246	TraesCS5A03G0238000	1.18509	1.47155	UP	UP
24247	TraesCS5A03G0238100	0.68467	1.33027	No	No
24248	TraesCS5A03G0238200	0.87534	1.23761	No	No
24249	TraesCS5A03G0238300	0.83807	1.76428	No	No
24250	TraesCS5A03G0238400	1.11497	1.18478	UP	UP
24251	TraesCS5A03G0238700	0.90577	1.16406	No	No
24252	TraesCS5A03G0238900	0.19063	0.54232	Down	Down
24254	TraesCS5A03G0239900	0.5667	1.91518	No	No
24255	TraesCS5A03G0240000	0.98591	2.25164	Down	Up
24256	TraesCS5A03G0240800	1.06717	1.03973	UP	UP
24257	TraesCS5A03G0241600	1.33769	1.22687	UP	UP
24258	TraesCS5A03G0241700	0.87201	1.28005	No	No
24259	TraesCS5A03G0242000	1.12788	0.96723	No	No
24260	TraesCS5A03G0242500	0.85613	0.54133	Down	Down
24261	TraesCS5A03G0243000	1.01585	1.13984	UP	UP
24262	TraesCS5A03G0243300	0.98959	1.00126	No	No
24263	TraesCS5A03G0243500	0.94911	0.57372	Down	Down
24264	TraesCS5A03G0243600	1.00771	5.97271	Up	Up
24265	TraesCS5A03G0244500	1.26073	1.45976	UP	UP
24267	TraesCS5A03G0247200	0.87764	1.04005	No	No
24268	TraesCS5A03G0247200	1.00892	0.70969	No	No
24269	TraesCS5A03G0247500	1.25504	0.7835	No	No
24270	TraesCS5A03G0247800	1.14696	0.29689	Up	Down
24271	TraesCS5A03G0248200	0.99693	1.21942	No	No
24272	TraesCS5A03G0248600	1.04082	0.7834	No	No
24273	TraesCS5A03G0249000	0.97639	1.27509	No	No
24274	TraesCS5A03G0249300	1.30457	1.39972	UP	UP
24275	TraesCS5A03G0249400	0.96453	1.43327	No	No
24276	TraesCS5A03G0251200	1.06583	0.8786	No	No
24277	TraesCS5A03G0251600	1.37109	1.1847	UP	UP
24278	TraesCS5A03G0251800	0.84844	0.74188	Down	Down
24279	TraesCS5A03G0252500	0.64789	6.22942	Down	Up
24280	TraesCS5A03G0253100	1.10132	0.83217	No	No
24281	TraesCS5A03G0253400	1.27918	0.93462	No	No
24282	TraesCS5A03G0253500	0.89945	1.70705	No	No
24283	TraesCS5A03G0255000	0.99703	1.65646	No	No
24284	TraesCS5A03G0255200	0.78312	1.46133	No	No
24285	TraesCS5A03G0255700	5.72297	3.83551	Up	Up
24286	TraesCS5A03G0256500	1.40923	1.34809	UP	UP
24287	TraesCS5A03G0256600	0.91889	1.06592	No	No
24288	TraesCS5A03G0256900	1.21611	1.52862	UP	UP
24289	TraesCS5A03G0257000	0.72924	1.66445	No	No
24290	TraesCS5A03G0257500	1.09054	0.7685	No	No
24294	TraesCS5A03G0259600	1.21724	0.90064	No	No
24295	TraesCS5A03G0260000	0.87092	0.72715	Down	Down

24296	TraesCS5A03G0260200	1.22252	1.68823	UP	UP
24298	TraesCS5A03G0263000	1.54456	1.10629	UP	UP
24299	TraesCS5A03G0265100	1.33873	1.14761	UP	UP
24302	TraesCS5A03G0265900	0.90254	0.66307	Down	Down
24303	TraesCS5A03G0266900	1.26888	1.01846	UP	UP
24305	TraesCS5A03G0267900	0.96952	1.50802	No	No
24310	TraesCS5A03G0269400	0.73043	1.26123	No	No
24311	TraesCS5A03G0270200	1.03937	1.41739	UP	UP
24312	TraesCS5A03G0271300	0.80681	1.61424	No	No
24313	TraesCS5A03G0271600	1.066	2.13363	Up	Up
24314	TraesCS5A03G0272500	1.05491	0.95247	No	No
24315	TraesCS5A03G0272800	0.818	1.57149	No	No
24316	TraesCS5A03G0273200	1.07433	0.68192	No	No
24317	TraesCS5A03G0273300	0.67151	0.80789	Down	Down
24318	TraesCS5A03G0274200	0.99939	0.52847	Down	Down
24319	TraesCS5A03G0274800	0.79393	1.5379	No	No
24320	TraesCS5A03G0275200	0.87556	2.27625	Down	Up
24321	TraesCS5A03G0275200	0.69327	0.42309	Down	Down
24322	TraesCS5A03G0276300	1.05037	0.95511	No	No
24323	TraesCS5A03G0276500	0.8459	0.41819	Down	Down
24324	TraesCS5A03G0277200	1.31357	0.43525	Up	Down
24325	TraesCS5A03G0278200	0.85167	1.73296	No	No
24326	TraesCS5A03G0278900	0.99378	2.26676	Down	Up
24327	TraesCS5A03G0279200	0.90384	1.24942	No	No
24328	TraesCS5A03G0280200	1.1849	1.11557	UP	UP
24330	TraesCS5A03G0281700	1.17005	0.50441	No	No
24334	TraesCS5A03G0283400	1.04373	1.336	UP	UP
24335	TraesCS5A03G0283600	1.65903	1.33113	UP	UP
24336	TraesCS5A03G0283700	1.04312	0.74723	No	No
24337	TraesCS5A03G0285200	1.20182	0.88018	No	No
24338	TraesCS5A03G0285700	1.46566	0.38008	Up	Down
24339	TraesCS5A03G0286300	1.23956	1.20126	UP	UP
24340	TraesCS5A03G0286500	0.86911	0.28511	Down	Down
24341	TraesCS5A03G0286900	0.86416	1.64762	No	No
24342	TraesCS5A03G0287200	0.94459	0.58995	Down	Down
24343	TraesCS5A03G0287200	1.22846	0.15478	Up	Down
24344	TraesCS5A03G0288200	1.1013	0.82901	No	No
24345	TraesCS5A03G0289500	0.85835	1.32129	No	No
24346	TraesCS5A03G0289600	1.48017	0.35189	Up	Down
24347	TraesCS5A03G0289700	0.86619	1.02066	No	No
24348	TraesCS5A03G0290300	1.53639	0.19917	Up	Down
24352	TraesCS5A03G0292900	1.04625	1.81407	UP	UP
24353	TraesCS5A03G0293900	1.09556	0.47634	Up	Down
24356	TraesCS5A03G0295500	0.90593	1.17256	No	No
24357	TraesCS5A03G0296100	1.01311	0.61773	No	No
24358	TraesCS5A03G0296300	1.01349	1.20673	UP	UP
24359	TraesCS5A03G0296500	0.93046	0.785	Down	Down
24360	TraesCS5A03G0296600	1.16854	0.96574	No	No
24361	TraesCS5A03G0298000	1.30139	1.54187	UP	UP
24362	TraesCS5A03G0298400	0.99705	0.71012	Down	Down
24363	TraesCS5A03G0299100	0.8975	1.78128	No	No
24364	TraesCS5A03G0299600	0.91545	1.02066	No	No

24365	TraesCS5A03G0300600	1.13993	1.50868	UP	UP
24366	TraesCS5A03G0301400	1.09234	0.70574	No	No
24367	TraesCS5A03G0301500	1.49325	1.29064	UP	UP
24368	TraesCS5A03G0302100	0.97771	1.28571	No	No
24369	TraesCS5A03G0302200	0.8021	1.51009	No	No
24376	TraesCS5A03G0304100	0.75093	1.19859	No	No
24377	TraesCS5A03G0304900	0.7261	1.15514	No	No
24378	TraesCS5A03G0305900	0.90689	0.63299	Down	Down
24379	TraesCS5A03G0306300	1.1078	2.03655	Up	Up
24380	TraesCS5A03G0308200	0.98463	1.46611	No	No
24381	TraesCS5A03G0309400	0.96712	1.20266	No	No
24382	TraesCS5A03G0309800	0.94179	0.78565	Down	Down
24383	TraesCS5A03G0310600	1.37171	1.06665	UP	UP
24384	TraesCS5A03G0311100	0.59547	0.94369	Down	Down
24385	TraesCS5A03G0311400	0.87692	1.00735	No	No
24386	TraesCS5A03G0311600	1.21274	0.43818	Up	Down
24388	TraesCS5A03G0312500	1.30784	1.05745	UP	UP
24389	TraesCS5A03G0312900	0.76229	0.52638	Down	Down
24390	TraesCS5A03G0313000	1.03142	0.90518	No	No
24392	TraesCS5A03G0313300	1.04092	1.26786	UP	UP
24394	TraesCS5A03G0314100	0.93309	1.0751	No	No
24395	TraesCS5A03G0314700	1.13705	1.29213	UP	UP
24398	TraesCS5A03G0316000	0.61786	0.77289	Down	Down
24399	TraesCS5A03G0316200	0.87432	1.01537	No	No
24400	TraesCS5A03G0316600	0.75706	1.1219	No	No
24401	TraesCS5A03G0317200	0.91381	1.73383	No	No
24402	TraesCS5A03G0321800	0.82468	1.27261	No	No
24403	TraesCS5A03G0322400	0.81582	0.73536	Down	Down
24404	TraesCS5A03G0323100	1.65329	1.13651	UP	UP
24405	TraesCS5A03G0324200	0.89348	0.69271	Down	Down
24406	TraesCS5A03G0324600	1.05128	1.31368	UP	UP
24407	TraesCS5A03G0324800	0.7658	1.15166	No	No
24408	TraesCS5A03G0325500	1.35304	1.01939	UP	UP
24409	TraesCS5A03G0325800	1.4473	0.68239	No	No
24410	TraesCS5A03G0325900	0.83949	0.75136	Down	Down
24411	TraesCS5A03G0327400	1.01341	1.00224	UP	UP
24412	TraesCS5A03G0328700	1.51842	0.67941	No	No
24413	TraesCS5A03G0328800	1.17525	1.93768	UP	UP
24414	TraesCS5A03G0328900	3.29124	1.30537	Up	Up
24415	TraesCS5A03G0332600	0.9168	0.83567	Down	Down
24417	TraesCS5A03G0334600	0.97866	0.72965	Down	Down
24418	TraesCS5A03G0335800	0.61315	1.81391	No	No
24419	TraesCS5A03G0335800	1.24181	0.86429	No	No
24422	TraesCS5A03G0336500	0.70726	1.68148	No	No
24423	TraesCS5A03G0338300	0.90613	1.11637	No	No
24424	TraesCS5A03G0339000	1.08428	1.11413	UP	UP
24425	TraesCS5A03G0339400	0.59397	1.59712	No	No
24426	TraesCS5A03G0339800	0.93938	0.53186	Down	Down
24427	TraesCS5A03G0341500	1.10604	0.67928	No	No
24428	TraesCS5A03G0343000	1.17534	0.95806	No	No
24429	TraesCS5A03G0343800	1.64251	2.0083	UP	UP
24430	TraesCS5A03G0344000	1.00334	0.85676	No	No

24432	TraesCS5A03G0344900	0.9695	0.73366	Down	Down
24434	TraesCS5A03G0345800	1.75886	0.4132	Up	Down
24435	TraesCS5A03G0346200	0.8069	0.49715	Down	Down
24436	TraesCS5A03G0346400	2.37608	2.80327	UP	UP
24438	TraesCS5A03G0347000	0.84878	0.99999	Down	Down
24439	TraesCS5A03G0347100	0.83734	1.1175	No	No
24440	TraesCS5A03G0347200	2.38906	0.28748	Up	Down
24441	TraesCS5A03G0347200	0.81392	0.30858	Down	Down
24442	TraesCS5A03G0348600	1.21972	1.07713	UP	UP
24443	TraesCS5A03G0348900	1.21707	1.21502	UP	UP
24444	TraesCS5A03G0349500	0.94089	0.93843	Down	Down
24446	TraesCS5A03G0351800	1.27749	2.1883	Up	Up
24447	TraesCS5A03G0351900	1.09155	0.84806	No	No
24448	TraesCS5A03G0352500	1.06359	1.47767	UP	UP
24449	TraesCS5A03G0352600	0.74092	7.44758	Down	Up
24450	TraesCS5A03G0353600	1.35458	1.13755	UP	UP
24451	TraesCS5A03G0353800	1.06971	1.33897	UP	UP
24452	TraesCS5A03G0355500	0.25327	7.92361	Down	Up
24453	TraesCS5A03G0355600	0.58193	5.32591	Down	Up
24455	TraesCS5A03G0356600	0.74074	1.04012	No	No
24456	TraesCS5A03G0357300	1.71679	0.21169	Up	Down
24457	TraesCS5A03G0358200	1.36375	1.14452	UP	UP
24462	TraesCS5A03G0360000	1.23955	1.00435	UP	UP
24463	TraesCS5A03G0360000	0.93323	2.91304	Down	Up
24464	TraesCS5A03G0362000	0.9078	1.82849	No	No
24466	TraesCS5A03G0362500	0.5349	7.00777	Down	Up
24467	TraesCS5A03G0363200	1.008	0.6873	No	No
24468	TraesCS5A03G0364500	1.3242	1.96707	UP	UP
24469	TraesCS5A03G0365900	0.81052	0.7678	Down	Down
24470	TraesCS5A03G0366000	1.12188	0.85441	No	No
24471	TraesCS5A03G0366800	1.3486	1.21041	UP	UP
24472	TraesCS5A03G0367000	0.89784	1.30516	No	No
24473	TraesCS5A03G0368300	0.97119	1.13894	No	No
24474	TraesCS5A03G0368600	0.98097	0.10374	Down	Down
24475	TraesCS5A03G0368700	1.02974	1.37198	UP	UP
24476	TraesCS5A03G0369100	1.09088	0.3101	Up	Down
24478	TraesCS5A03G0369300	0.80442	1.13351	No	No
24480	TraesCS5A03G0371000	1.01167	0.99697	No	No
24482	TraesCS5A03G0373500	0.62478	0.90687	Down	Down
24483	TraesCS5A03G0374700	1.56384	2.81292	Up	Up
24484	TraesCS5A03G0374800	1.10211	0.93466	No	No
24485	TraesCS5A03G0375200	0.53543	0.75699	Down	Down
24486	TraesCS5A03G0375600	1.06123	0.62495	No	No
24487	TraesCS5A03G0377000	1.18931	0.77269	No	No
24488	TraesCS5A03G0378300	1.12256	0.69717	No	No
24489	TraesCS5A03G0378700	0.94624	1.58054	No	No
24490	TraesCS5A03G0379000	1.20204	0.97402	No	No
24492	TraesCS5A03G0379300	1.15247	0.47359	Up	Down
24494	TraesCS5A03G0379900	1.13955	1.3766	UP	UP
24498	TraesCS5A03G0382800	0.82233	1.01387	No	No
24499	TraesCS5A03G0383100	0.92539	0.73131	Down	Down
24501	TraesCS5A03G0383300	0.78894	0.80919	Down	Down

24502	TraesCS5A03G0383600	0.99095	1.21963	No	No
24503	TraesCS5A03G0383700	1.03935	0.45688	Up	Down
24504	TraesCS5A03G0384100	0.98547	1.59065	No	No
24505	TraesCS5A03G0384200	0.77582	0.80899	Down	Down
24506	TraesCS5A03G0384500	0.77104	3.17814	Down	Up
24507	TraesCS5A03G0385400	1.54463	1.22501	UP	UP
24508	TraesCS5A03G0386000	0.70927	1.58384	No	No
24509	TraesCS5A03G0386500	0.87917	1.0928	No	No
24510	TraesCS5A03G0386600	1.04209	1.05586	UP	UP
24511	TraesCS5A03G0386700	1.01999	0.78608	No	No
24513	TraesCS5A03G0387400	1.20754	0.65334	No	No
24514	TraesCS5A03G0387400	1.34913	3.03364	Up	Up
24515	TraesCS5A03G0387900	0.75446	0.73257	Down	Down
24516	TraesCS5A03G0388000	0.85385	1.43336	No	No
24517	TraesCS5A03G0388300	1.0503	0.71081	No	No
24518	TraesCS5A03G0388400	0.95257	4.47926	Down	Up
24519	TraesCS5A03G0389200	0.7444	2.08201	Down	Up
24520	TraesCS5A03G0389300	1.41965	1.69636	UP	UP
24521	TraesCS5A03G0389700	1.07227	1.0911	UP	UP
24522	TraesCS5A03G0390000	1.08622	1.41954	UP	UP
24523	TraesCS5A03G0390300	0.6055	5.76908	Down	Up
24525	TraesCS5A03G0391000	0.74286	0.77146	Down	Down
24526	TraesCS5A03G0393100	0.75988	2.01645	Down	Up
24527	TraesCS5A03G0393300	0.83352	1.29482	No	No
24528	TraesCS5A03G0393500	0.83106	1.05601	No	No
24529	TraesCS5A03G0393700	1.09747	1.26236	UP	UP
24530	TraesCS5A03G0394100	1.34904	1.75617	UP	UP
24531	TraesCS5A03G0394400	0.82878	1.342	No	No
24532	TraesCS5A03G0394500	0.93576	0.91485	Down	Down
24534	TraesCS5A03G0396000	1.27263	0.76378	No	No
24535	TraesCS5A03G0396100	0.8824	0.613	Down	Down
24536	TraesCS5A03G0396200	1.26751	0.60063	No	No
24537	TraesCS5A03G0397100	0.98228	1.31886	No	No
24538	TraesCS5A03G0397500	0.76354	1.68727	No	No
24539	TraesCS5A03G0397600	0.91207	1.34696	No	No
24540	TraesCS5A03G0397800	0.33513	1.10564	Down	Up
24541	TraesCS5A03G0398600	1.41724	0.86804	No	No
24542	TraesCS5A03G0398800	1.24514	0.94967	No	No
24544	TraesCS5A03G0399700	0.95113	0.48612	Down	Down
24545	TraesCS5A03G0399900	0.81277	2.00398	Down	Up
24547	TraesCS5A03G0401000	0.76979	1.40823	No	No
24548	TraesCS5A03G0401800	0.70591	1.38844	No	No
24549	TraesCS5A03G0402400	0.86734	0.76808	Down	Down
24551	TraesCS5A03G0402900	1.02484	0.6101	No	No
24552	TraesCS5A03G0403900	1.09865	1.43764	UP	UP
24553	TraesCS5A03G0404100	1.22854	0.41056	Up	Down
24554	TraesCS5A03G0404200	1.487	0.15342	Up	Down
24559	TraesCS5A03G0407500	1.09166	1.73992	UP	UP
24561	TraesCS5A03G0408000	1.23376	0.32742	Up	Down
24563	TraesCS5A03G0408300	0.94823	0.65641	Down	Down
24565	TraesCS5A03G0409600	1.7921	0.48188	Up	Down
24566	TraesCS5A03G0410300	0.33845	3.28747	Down	Up

24567	TraesCS5A03G0410700	0.88178	1.54217	No	No
24569	TraesCS5A03G0411300	1.4568	0.57171	No	No
24571	TraesCS5A03G0411500	0.77789	0.95091	Down	Down
24572	TraesCS5A03G0411800	0.82809	0.96722	Down	Down
24573	TraesCS5A03G0412200	0.88896	0.98297	Down	Down
24576	TraesCS5A03G0414800	0.96973	0.22181	Down	Down
24577	TraesCS5A03G0415200	1.06526	1.07007	UP	UP
24578	TraesCS5A03G0415400	0.69885	0.86031	Down	Down
24579	TraesCS5A03G0415500	1.04793	0.88574	No	No
24580	TraesCS5A03G0416400	0.70919	1.07826	No	No
24581	TraesCS5A03G0416500	1.36918	0.49199	Up	Down
24582	TraesCS5A03G0416600	0.70816	1.62701	No	No
24583	TraesCS5A03G0417700	3.09879	1.16844	Up	Up
24584	TraesCS5A03G0417900	4.16496	2.40568	Up	Up
24585	TraesCS5A03G0418800	0.29844	7.83942	Down	Up
24586	TraesCS5A03G0419300	1.09073	1.19785	UP	UP
24587	TraesCS5A03G0419500	0.93363	0.94986	Down	Down
24588	TraesCS5A03G0420100	0.94146	0.83282	Down	Down
24589	TraesCS5A03G0420600	0.93735	1.60282	No	No
24590	TraesCS5A03G0420800	0.77977	1.89881	No	No
24591	TraesCS5A03G0421600	1.1272	0.83062	No	No
24593	TraesCS5A03G0423200	0.73789	0.83633	Down	Down
24594	TraesCS5A03G0423300	0.89699	0.33509	Down	Down
24595	TraesCS5A03G0424100	0.8745	0.4455	Down	Down
24596	TraesCS5A03G0424800	0.77292	0.65611	Down	Down
24597	TraesCS5A03G0424900	0.84461	1.69542	No	No
24598	TraesCS5A03G0425000	0.37088	11.8826	Down	Up
24599	TraesCS5A03G0425000	0.71369	0.40276	Down	Down
24601	TraesCS5A03G0426000	0.77588	1.15909	No	No
24602	TraesCS5A03G0427000	0.85792	1.52077	No	No
24603	TraesCS5A03G0427100	1.19049	1.02793	UP	UP
24604	TraesCS5A03G0427500	1.31052	0.89775	No	No
24605	TraesCS5A03G0427600	0.57215	0.89162	Down	Down
24606	TraesCS5A03G0427700	1.10424	0.58043	No	No
24607	TraesCS5A03G0427900	1.02023	1.03822	UP	UP
24608	TraesCS5A03G0428000	1.08253	0.89666	No	No
24609	TraesCS5A03G0428100	1.51581	0.45132	Up	Down
24610	TraesCS5A03G0429900	0.77079	0.7079	Down	Down
24611	TraesCS5A03G0430300	0.77631	0.96456	Down	Down
24612	TraesCS5A03G0430400	1.07745	1.42179	UP	UP
24613	TraesCS5A03G0431700	0.81433	0.93034	Down	Down
24614	TraesCS5A03G0431900	0.92293	1.22818	No	No
24615	TraesCS5A03G0432200	1.36088	0.87726	No	No
24616	TraesCS5A03G0432400	1.11803	0.50197	No	No
24617	TraesCS5A03G0432900	1.24836	0.80411	No	No
24618	TraesCS5A03G0433200	0.99085	1.45084	No	No
24619	TraesCS5A03G0433400	0.87969	0.69755	Down	Down
24620	TraesCS5A03G0434600	0.71815	1.87021	No	No
24624	TraesCS5A03G0436200	0.77673	0.19291	Down	Down
24625	TraesCS5A03G0436700	1.02271	1.23991	UP	UP
24626	TraesCS5A03G0437600	0.99998	0.95272	Down	Down
24627	TraesCS5A03G0438100	0.87616	1.15561	No	No

24628	TraesCS5A03G0438200	0.78872	2.59174	Down	Up
24630	TraesCS5A03G0438600	1.28277	0.88527	No	No
24631	TraesCS5A03G0439500	0.83098	0.63053	Down	Down
24633	TraesCS5A03G0440000	0.843	1.09738	No	No
24634	TraesCS5A03G0440300	1.19278	1.48203	UP	UP
24635	TraesCS5A03G0440800	1.24799	1.29797	UP	UP
24636	TraesCS5A03G0441000	0.91029	3.17853	Down	Up
24637	TraesCS5A03G0441200	0.93825	0.87572	Down	Down
24638	TraesCS5A03G0441300	1.14857	1.25422	UP	UP
24639	TraesCS5A03G0442100	0.82214	1.17552	No	No
24640	TraesCS5A03G0442300	0.9962	0.85286	Down	Down
24641	TraesCS5A03G0442600	0.88368	1.42815	No	No
24642	TraesCS5A03G0443000	0.86616	1.28861	No	No
24643	TraesCS5A03G0444400	1.0759	1.42474	UP	UP
24644	TraesCS5A03G0445000	0.97512	0.71781	Down	Down
24645	TraesCS5A03G0445100	0.80939	1.1485	No	No
24646	TraesCS5A03G0446300	0.74251	1.45899	No	No
24647	TraesCS5A03G0446400	1.2386	1.08913	UP	UP
24648	TraesCS5A03G0446600	1.04407	0.45542	Up	Down
24649	TraesCS5A03G0446900	0.76439	0.7319	Down	Down
24650	TraesCS5A03G0447100	1.07238	0.90019	No	No
24651	TraesCS5A03G0447600	0.65041	1.08431	No	No
24652	TraesCS5A03G0447700	0.81351	0.36407	Down	Down
24653	TraesCS5A03G0447800	1.13818	0.27296	Up	Down
24654	TraesCS5A03G0448200	0.91227	0.68421	Down	Down
24655	TraesCS5A03G0448500	1.19782	0.33737	Up	Down
24656	TraesCS5A03G0448600	0.85958	1.19023	No	No
24657	TraesCS5A03G0449000	0.61786	2.73576	Down	Up
24658	TraesCS5A03G0449100	1.60275	0.4627	Up	Down
24659	TraesCS5A03G0449100	1.83574	0.5559	No	No
24660	TraesCS5A03G0449200	0.89923	2.71045	Down	Up
24661	TraesCS5A03G0449400	1.29008	0.86779	No	No
24662	TraesCS5A03G0450600	2.75473	2.19963	Up	Up
24663	TraesCS5A03G0450700	0.7469	1.30015	No	No
24664	TraesCS5A03G0450900	0.73845	0.80633	Down	Down
24665	TraesCS5A03G0452300	0.97648	0.9955	Down	Down
24666	TraesCS5A03G0452700	0.89162	1.47549	No	No
24667	TraesCS5A03G0452800	0.93544	1.03535	No	No
24668	TraesCS5A03G0453000	0.95075	0.90344	Down	Down
24669	TraesCS5A03G0453500	0.70153	1.50242	No	No
24670	TraesCS5A03G0453500	1.47566	2.06009	Up	Up
24671	TraesCS5A03G0453500	0.3487	2.28252	Down	Up
24672	TraesCS5A03G0453600	0.89671	0.91227	Down	Down
24673	TraesCS5A03G0453700	0.9785	0.65798	Down	Down
24674	TraesCS5A03G0454100	0.60758	3.37503	Down	Up
24675	TraesCS5A03G0455000	0.99959	1.99258	No	No
24676	TraesCS5A03G0455600	1.07585	0.56531	No	No
24677	TraesCS5A03G0455700	0.42306	4.77866	Down	Up
24678	TraesCS5A03G0456000	0.78544	0.82761	Down	Down
24679	TraesCS5A03G0456300	1.13218	1.10624	UP	UP
24681	TraesCS5A03G0456900	0.84011	1.88228	No	No
24682	TraesCS5A03G0457800	0.95132	1.44101	No	No

24683	TraesCS5A03G0458000	0.80214	1.43193	No	No
24684	TraesCS5A03G0458500	0.74831	1.48456	No	No
24685	TraesCS5A03G0458900	1.25548	1.01401	UP	UP
24686	TraesCS5A03G0459000	0.5524	0.90416	Down	Down
24687	TraesCS5A03G0460000	1.01815	2.45249	Up	Up
24689	TraesCS5A03G0460600	0.88158	1.13731	No	No
24690	TraesCS5A03G0460700	1.15294	0.58859	No	No
24691	TraesCS5A03G0461700	0.95773	1.59281	No	No
24695	TraesCS5A03G0462900	1.07453	1.08377	UP	UP
24698	TraesCS5A03G0463500	1.36147	0.39655	Up	Down
24699	TraesCS5A03G0463600	0.94543	1.23594	No	No
24701	TraesCS5A03G0463900	0.85315	1.29384	No	No
24702	TraesCS5A03G0464200	0.63512	2.85672	Down	Up
24703	TraesCS5A03G0464400	1.22445	1.72878	UP	UP
24704	TraesCS5A03G0464800	0.81226	0.43886	Down	Down
24705	TraesCS5A03G0464900	0.91122	0.41171	Down	Down
24706	TraesCS5A03G0465000	0.99849	1.2282	No	No
24707	TraesCS5A03G0465100	1.04666	0.66946	No	No
24708	TraesCS5A03G0465600	1.07944	1.21812	UP	UP
24709	TraesCS5A03G0465700	0.93754	1.25211	No	No
24711	TraesCS5A03G0466400	0.89734	0.44996	Down	Down
24712	TraesCS5A03G0466500	1.12259	0.57914	No	No
24715	TraesCS5A03G0468000	1.01743	0.68201	No	No
24716	TraesCS5A03G0468700	1.10287	0.88779	No	No
24717	TraesCS5A03G0469100	0.85464	2.34573	Down	Up
24718	TraesCS5A03G0469300	0.90591	2.22673	Down	Up
24719	TraesCS5A03G0469500	0.84792	1.33656	No	No
24720	TraesCS5A03G0469600	0.9155	0.81332	Down	Down
24721	TraesCS5A03G0469800	0.69505	1.62937	No	No
24722	TraesCS5A03G0469800	0.61393	0.62853	Down	Down
24724	TraesCS5A03G0470200	1.08286	0.69683	No	No
24725	TraesCS5A03G0470300	0.9542	0.97363	Down	Down
24726	TraesCS5A03G0471100	0.64135	0.85163	Down	Down
24727	TraesCS5A03G0471300	0.77319	1.1001	No	No
24728	TraesCS5A03G0471800	1.18741	0.56667	No	No
24729	TraesCS5A03G0472200	0.82384	0.89402	Down	Down
24730	TraesCS5A03G0472400	1.38238	0.38297	Up	Down
24731	TraesCS5A03G0472700	0.74754	2.71068	Down	Up
24732	TraesCS5A03G0472800	0.41411	1.23633	Down	Up
24733	TraesCS5A03G0473000	1.32316	2.16036	Up	Up
24734	TraesCS5A03G0473400	1.26273	1.24659	UP	UP
24735	TraesCS5A03G0473700	0.91271	0.9121	Down	Down
24736	TraesCS5A03G0473900	0.99465	0.96324	Down	Down
24737	TraesCS5A03G0474000	1.09288	1.33671	UP	UP
24739	TraesCS5A03G0474300	1.09808	0.96124	No	No
24741	TraesCS5A03G0474700	1.8202	0.42246	Up	Down
24743	TraesCS5A03G0475800	1.09066	0.436	Up	Down
24744	TraesCS5A03G0475900	0.92333	1.10451	No	No
24745	TraesCS5A03G0476100	1.15577	0.99994	No	No
24747	TraesCS5A03G0476700	1.17717	1.04038	UP	UP
24748	TraesCS5A03G0477300	1.01794	1.36688	UP	UP
24749	TraesCS5A03G0478200	1.15219	1.77373	UP	UP

24750	TraesCS5A03G0478900	0.59717	2.2878	Down	Up
24751	TraesCS5A03G0479100	1.47587	0.68572	No	No
24752	TraesCS5A03G0480200	1.05175	0.59162	No	No
24753	TraesCS5A03G0480900	0.79844	1.28895	No	No
24754	TraesCS5A03G0481000	1.14111	2.15907	Up	Up
24755	TraesCS5A03G0481600	0.96474	1.27857	No	No
24757	TraesCS5A03G0482400	0.91699	1.6974	No	No
24759	TraesCS5A03G0483300	1.17312	2.20274	Up	Up
24760	TraesCS5A03G0483500	1.07348	1.1033	UP	UP
24761	TraesCS5A03G0484300	0.67043	2.73787	Down	Up
24762	TraesCS5A03G0484600	1.07791	1.11718	UP	UP
24763	TraesCS5A03G0484700	0.35669	10.6888	Down	Up
24764	TraesCS5A03G0486700	0.79044	0.91462	Down	Down
24765	TraesCS5A03G0487000	1.09488	0.80898	No	No
24766	TraesCS5A03G0487100	1.02738	0.70946	No	No
24767	TraesCS5A03G0487300	1.1144	1.48351	UP	UP
24768	TraesCS5A03G0487400	0.74515	1.51498	No	No
24769	TraesCS5A03G0487900	1.17889	0.69473	No	No
24770	TraesCS5A03G0488600	1.45992	1.15701	UP	UP
24771	TraesCS5A03G0488700	0.74168	4.98859	Down	Up
24772	TraesCS5A03G0488800	1.12928	4.35374	Up	Up
24773	TraesCS5A03G0489000	1.11044	1.79009	UP	UP
24774	TraesCS5A03G0489200	0.90953	0.39085	Down	Down
24776	TraesCS5A03G0490200	1.9547	3.1079	Up	Up
24777	TraesCS5A03G0490400	1.00496	1.32164	UP	UP
24778	TraesCS5A03G0490500	1.39177	0.84269	No	No
24779	TraesCS5A03G0490700	1.10271	0.80231	No	No
24780	TraesCS5A03G0490900	0.82448	1.94157	No	No
24781	TraesCS5A03G0490900	0.75782	2.02268	Down	Up
24782	TraesCS5A03G0491000	0.84213	1.45353	No	No
24783	TraesCS5A03G0491100	0.8728	7.68958	Down	Up
24784	TraesCS5A03G0491200	0.79008	3.50173	Down	Up
24785	TraesCS5A03G0491600	1.1263	1.89301	UP	UP
24787	TraesCS5A03G0494300	0.76134	2.89025	Down	Up
24788	TraesCS5A03G0495300	0.30468	7.66911	Down	Up
24790	TraesCS5A03G0497600	0.9887	2.09977	Down	Up
24791	TraesCS5A03G0497800	0.67294	1.39347	No	No
24792	TraesCS5A03G0497900	1.10632	1.34898	UP	UP
24793	TraesCS5A03G0498200	0.88941	1.07487	No	No
24795	TraesCS5A03G0499300	0.9421	1.69077	No	No
24796	TraesCS5A03G0499400	1.0064	0.67572	No	No
24797	TraesCS5A03G0499600	1.21566	0.74395	No	No
24798	TraesCS5A03G0499800	1.10869	0.66721	No	No
24799	TraesCS5A03G0500200	1.09116	0.69229	No	No
24800	TraesCS5A03G0500600	0.94396	1.59022	No	No
24801	TraesCS5A03G0501000	1.19838	1.6384	UP	UP
24802	TraesCS5A03G0501100	0.67325	1.27091	No	No
24803	TraesCS5A03G0501200	0.62996	0.84142	Down	Down
24804	TraesCS5A03G0501300	1.0459	0.47111	Up	Down
24805	TraesCS5A03G0501400	0.73103	0.57558	Down	Down
24806	TraesCS5A03G0501700	0.75297	0.97568	Down	Down
24807	TraesCS5A03G0501800	1.90493	1.18666	UP	UP

24808	TraesCS5A03G0503500	1.55699	3.86203	Up	Up
24809	TraesCS5A03G0503600	1.39687	1.78569	UP	UP
24810	TraesCS5A03G0503800	0.93164	0.84662	Down	Down
24811	TraesCS5A03G0504900	0.76389	1.96622	No	No
24812	TraesCS5A03G0505400	1.093	1.40038	UP	UP
24813	TraesCS5A03G0506400	1.08784	1.04231	UP	UP
24814	TraesCS5A03G0507200	0.95541	0.87886	Down	Down
24815	TraesCS5A03G0507200	0.77458	0.80356	Down	Down
24816	TraesCS5A03G0508000	0.51632	1.93855	No	No
24818	TraesCS5A03G0508800	1.04729	2.78086	Up	Up
24819	TraesCS5A03G0509000	0.84461	0.982	Down	Down
24820	TraesCS5A03G0509300	0.86623	2.38064	Down	Up
24821	TraesCS5A03G0510300	0.81216	1.70072	No	No
24822	TraesCS5A03G0510500	1.04555	1.30774	UP	UP
24823	TraesCS5A03G0510900	0.74419	0.97455	Down	Down
24824	TraesCS5A03G0511300	0.52254	0.58836	Down	Down
24825	TraesCS5A03G0511700	0.7294	3.79941	Down	Up
24826	TraesCS5A03G0511700	0.8861	1.87266	No	No
24827	TraesCS5A03G0511800	1.09333	0.69948	No	No
24828	TraesCS5A03G0513100	2.2549	0.84667	Up	Down
24829	TraesCS5A03G0513500	1.07522	1.232	UP	UP
24830	TraesCS5A03G0513900	1.24368	0.84658	No	No
24831	TraesCS5A03G0514100	0.97761	0.82773	Down	Down
24833	TraesCS5A03G0516300	1.15931	1.3666	UP	UP
24835	TraesCS5A03G0517300	1.92749	1.27514	UP	UP
24836	TraesCS5A03G0517400	1.13457	0.55561	No	No
24837	TraesCS5A03G0517600	1.2655	1.84139	UP	UP
24838	TraesCS5A03G0518500	1.39622	1.13364	UP	UP
24839	TraesCS5A03G0519000	0.95515	0.74252	Down	Down
24840	TraesCS5A03G0519200	0.81568	0.96773	Down	Down
24841	TraesCS5A03G0519500	0.64686	0.55894	Down	Down
24842	TraesCS5A03G0521200	0.86915	1.24122	No	No
24843	TraesCS5A03G0521300	0.90417	1.90562	No	No
24844	TraesCS5A03G0521600	0.97294	0.51628	Down	Down
24845	TraesCS5A03G0523400	0.95722	1.61201	No	No
24846	TraesCS5A03G0523700	0.78335	1.44512	No	No
24847	TraesCS5A03G0524000	1.38822	1.31259	UP	UP
24848	TraesCS5A03G0524300	0.9034	0.93342	Down	Down
24849	TraesCS5A03G0524400	0.76507	1.50576	No	No
24850	TraesCS5A03G0525000	1.32763	0.6088	No	No
24851	TraesCS5A03G0525400	0.82416	0.91723	Down	Down
24852	TraesCS5A03G0526000	1.09209	0.86833	No	No
24854	TraesCS5A03G0526900	9.01477	1.2905	Up	Up
24855	TraesCS5A03G0527400	1.23747	1.05753	UP	UP
24856	TraesCS5A03G0527600	0.91406	1.19083	No	No
24857	TraesCS5A03G0528700	0.86572	1.22783	No	No
24860	TraesCS5A03G0530300	1.27225	1.35909	UP	UP
24861	TraesCS5A03G0530500	0.71596	0.9405	Down	Down
24862	TraesCS5A03G0531800	0.67542	2.10392	Down	Up
24863	TraesCS5A03G0532000	1.0231	1.85311	UP	UP
24864	TraesCS5A03G0532100	0.7777	0.61438	Down	Down
24865	TraesCS5A03G0532100	0.86908	2.02773	Down	Up

24866	TraesCS5A03G0533400	0.68746	0.2834	Down	Down
24867	TraesCS5A03G0535600	0.84706	1.54837	No	No
24868	TraesCS5A03G0535700	0.68782	1.37284	No	No
24869	TraesCS5A03G0535900	1.48373	2.15982	Up	Up
24870	TraesCS5A03G0536600	1.32229	1.07984	UP	UP
24871	TraesCS5A03G0536700	1.46714	0.83601	No	No
24872	TraesCS5A03G0537700	0.95151	0.5589	Down	Down
24873	TraesCS5A03G0540300	0.73947	1.55487	No	No
24874	TraesCS5A03G0540900	1.0022	0.81736	No	No
24875	TraesCS5A03G0541100	1.36727	1.14787	UP	UP
24876	TraesCS5A03G0541500	1.16729	1.17017	UP	UP
24877	TraesCS5A03G0541700	0.74538	1.82257	No	No
24878	TraesCS5A03G0542100	0.78453	3.34655	Down	Up
24880	TraesCS5A03G0543300	0.96139	2.24397	Down	Up
24881	TraesCS5A03G0543900	1.00955	0.48815	Up	Down
24882	TraesCS5A03G0545000	1.04937	1.54673	UP	UP
24883	TraesCS5A03G0545600	0.68727	0.91435	Down	Down
24884	TraesCS5A03G0546200	0.1547	3.6216	Down	Up
24885	TraesCS5A03G0546500	1.12072	1.15927	UP	UP
24886	TraesCS5A03G0546600	0.78593	0.86626	Down	Down
24887	TraesCS5A03G0547000	1.07346	1.73088	UP	UP
24888	TraesCS5A03G0547100	1.17166	1.90594	UP	UP
24889	TraesCS5A03G0547400	0.92213	1.00999	No	No
24890	TraesCS5A03G0547500	1.70352	1.88285	UP	UP
24891	TraesCS5A03G0547600	1.91532	1.0824	UP	UP
24892	TraesCS5A03G0548700	0.92992	1.43104	No	No
24893	TraesCS5A03G0548800	0.69533	1.11504	No	No
24894	TraesCS5A03G0549100	0.95841	0.44811	Down	Down
24895	TraesCS5A03G0549200	0.8125	1.33744	No	No
24897	TraesCS5A03G0550000	1.1268	0.69381	No	No
24898	TraesCS5A03G0550200	1.10882	0.26876	Up	Down
24899	TraesCS5A03G0550900	0.8748	1.03121	No	No
24901	TraesCS5A03G0551200	0.54141	1.34955	No	No
24903	TraesCS5A03G0552100	0.90283	0.84542	Down	Down
24904	TraesCS5A03G0552400	1.15866	1.30252	UP	UP
24905	TraesCS5A03G0552700	1.0458	2.76039	Up	Up
24906	TraesCS5A03G0553100	1.21653	0.57642	No	No
24907	TraesCS5A03G0553400	1.14363	1.36676	UP	UP
24908	TraesCS5A03G0557800	0.92347	1.30996	No	No
24909	TraesCS5A03G0558000	0.82806	1.39668	No	No
24910	TraesCS5A03G0558100	1.2422	1.20471	UP	UP
24911	TraesCS5A03G0560700	1.49574	2.70352	Up	Up
24914	TraesCS5A03G0561800	0.99112	0.26691	Down	Down
24915	TraesCS5A03G0562000	0.99887	0.61244	Down	Down
24916	TraesCS5A03G0564400	2.04027	1.25148	Up	Up
24917	TraesCS5A03G0564500	1.02996	1.08357	UP	UP
24918	TraesCS5A03G0565400	0.89894	0.85079	Down	Down
24919	TraesCS5A03G0565600	0.84379	0.22376	Down	Down
24920	TraesCS5A03G0565900	3.26762	2.55389	Up	Up
24921	TraesCS5A03G0566000	0.76841	6.16903	Down	Up
24924	TraesCS5A03G0569500	1.04404	1.54738	UP	UP
24926	TraesCS5A03G0569700	0.89812	0.87909	Down	Down

24927	TraesCS5A03G0570000	0.83768	0.38501	Down	Down
24929	TraesCS5A03G0570700	1.1139	1.7158	UP	UP
24930	TraesCS5A03G0571200	1.14159	0.61081	No	No
24932	TraesCS5A03G0572300	1.43532	0.9103	No	No
24933	TraesCS5A03G0573600	0.6268	0.79818	Down	Down
24936	TraesCS5A03G0576100	0.41828	0.8776	Down	Down
24939	TraesCS5A03G0576700	0.73322	0.91803	Down	Down
24940	TraesCS5A03G0577000	0.19569	0.44019	Down	Down
24942	TraesCS5A03G0578100	0.78178	1.49122	No	No
24943	TraesCS5A03G0578200	0.65812	2.44097	Down	Up
24944	TraesCS5A03G0579100	2.24278	1.23781	Up	Up
24945	TraesCS5A03G0579300	0.86837	1.62609	No	No
24946	TraesCS5A03G0579900	1.41505	1.72206	UP	UP
24947	TraesCS5A03G0580700	1.66791	0.60247	No	No
24948	TraesCS5A03G0582000	0.81541	1.40647	No	No
24949	TraesCS5A03G0582300	0.83431	1.77569	No	No
24950	TraesCS5A03G0582500	0.84765	1.41482	No	No
24951	TraesCS5A03G0583000	1.06194	0.41341	Up	Down
24952	TraesCS5A03G0583200	0.83775	1.21279	No	No
24953	TraesCS5A03G0583500	1.03479	1.18512	UP	UP
24954	TraesCS5A03G0584100	1.01371	0.73502	No	No
24955	TraesCS5A03G0584300	0.66424	10.2914	Down	Up
24956	TraesCS5A03G0584600	0.80874	3.24113	Down	Up
24957	TraesCS5A03G0584700	0.73101	0.1943	Down	Down
24958	TraesCS5A03G0585000	0.65585	1.05361	No	No
24959	TraesCS5A03G0585100	0.92054	0.64138	Down	Down
24960	TraesCS5A03G0585300	0.81255	7.00072	Down	Up
24962	TraesCS5A03G0586400	1.2121	0.4801	Up	Down
24963	TraesCS5A03G0589400	1.3635	2.31955	Up	Up
24964	TraesCS5A03G0589900	1.19537	1.84068	UP	UP
24965	TraesCS5A03G0591200	0.81289	2.83386	Down	Up
24966	TraesCS5A03G0591300	0.91926	1.34072	No	No
24967	TraesCS5A03G0592700	0.74936	5.14728	Down	Up
24968	TraesCS5A03G0593000	1.86621	0.35279	Up	Down
24969	TraesCS5A03G0593500	1.3056	1.59653	UP	UP
24972	TraesCS5A03G0595200	0.68912	10.8914	Down	Up
24973	TraesCS5A03G0595300	0.77203	0.59867	Down	Down
24974	TraesCS5A03G0595500	0.94846	1.48448	No	No
24975	TraesCS5A03G0596900	1.34089	7.01933	Up	Up
24976	TraesCS5A03G0597000	0.96679	1.56468	No	No
24977	TraesCS5A03G0597200	1.32314	1.74559	UP	UP
24978	TraesCS5A03G0597300	1.50154	2.61646	Up	Up
24979	TraesCS5A03G0597400	0.93245	0.72244	Down	Down
24980	TraesCS5A03G0597700	0.56099	0.99967	Down	Down
24982	TraesCS5A03G0598200	1.10813	0.75235	No	No
24983	TraesCS5A03G0598300	0.88445	0.9674	Down	Down
24984	TraesCS5A03G0598800	1.88203	3.6161	Up	Up
24985	TraesCS5A03G0599900	1.88387	0.75935	No	No
24986	TraesCS5A03G0600000	0.96152	0.79644	Down	Down
24987	TraesCS5A03G0600000	0.91315	0.45797	Down	Down
24988	TraesCS5A03G0600300	1.00668	0.6281	No	No
24989	TraesCS5A03G0601000	1.48185	2.09376	Up	Up

24990	TraesCS5A03G0602500	0.57223	2.29077	Down	Up
24992	TraesCS5A03G0603800	0.74503	0.68931	Down	Down
24995	TraesCS5A03G0607100	1.13617	1.35353	UP	UP
24996	TraesCS5A03G0607700	0.94167	0.65601	Down	Down
24997	TraesCS5A03G0608100	0.76632	3.34418	Down	Up
24998	TraesCS5A03G0609300	0.64474	0.37994	Down	Down
24999	TraesCS5A03G0609400	1.03084	2.01728	Up	Up
25000	TraesCS5A03G0609500	1.06632	1.26489	UP	UP
25001	TraesCS5A03G0610300	3.01133	1.59083	Up	Up
25002	TraesCS5A03G0610500	0.8164	0.46572	Down	Down
25003	TraesCS5A03G0610600	1.10729	0.98516	No	No
25004	TraesCS5A03G0610800	1.3171	1.42362	UP	UP
25005	TraesCS5A03G0611900	1.00537	0.82456	No	No
25006	TraesCS5A03G0612100	1.03563	2.28233	Up	Up
25008	TraesCS5A03G0613700	0.71602	0.57957	Down	Down
25009	TraesCS5A03G0613700	2.48076	0.51648	Up	Down
25011	TraesCS5A03G0614600	0.74035	0.65955	Down	Down
25012	TraesCS5A03G0614600	1.5971	0.23961	Up	Down
25013	TraesCS5A03G0617100	1.36248	0.70116	No	No
25014	TraesCS5A03G0618000	0.83314	1.3989	No	No
25015	TraesCS5A03G0618100	1.35092	1.57941	UP	UP
25016	TraesCS5A03G0618900	1.81299	1.55754	UP	UP
25017	TraesCS5A03G0620100	1.65707	2.78511	Up	Up
25018	TraesCS5A03G0620900	0.99087	0.96559	Down	Down
25020	TraesCS5A03G0622600	1.03621	1.29368	UP	UP
25021	TraesCS5A03G0622900	1.12997	1.69373	UP	UP
25022	TraesCS5A03G0623100	1.75877	0.50453	No	No
25023	TraesCS5A03G0623200	0.55974	4.09899	Down	Up
25025	TraesCS5A03G0623900	0.59857	2.06547	Down	Up
25026	TraesCS5A03G0625200	0.98104	1.19499	No	No
25027	TraesCS5A03G0627200	0.84496	0.85429	Down	Down
25028	TraesCS5A03G0628200	1.01485	0.43789	Up	Down
25029	TraesCS5A03G0628500	0.6434	2.29254	Down	Up
25030	TraesCS5A03G0628800	1.96142	1.45882	UP	UP
25031	TraesCS5A03G0630600	1.11019	1.49493	UP	UP
25032	TraesCS5A03G0631000	1.04222	0.9421	No	No
25033	TraesCS5A03G0631700	1.54004	0.50781	No	No
25034	TraesCS5A03G0632000	0.64788	1.30154	No	No
25035	TraesCS5A03G0633100	1.23706	1.16165	UP	UP
25037	TraesCS5A03G0633800	0.79583	0.59418	Down	Down
25038	TraesCS5A03G0633900	1.86559	0.23933	Up	Down
25039	TraesCS5A03G0639500	0.81058	0.75774	Down	Down
25040	TraesCS5A03G0639700	0.45582	1.45594	Down	Up
25041	TraesCS5A03G0640000	0.67895	0.63136	Down	Down
25043	TraesCS5A03G0640300	0.84763	0.24639	Down	Down
25044	TraesCS5A03G0640400	0.76117	1.86749	No	No
25045	TraesCS5A03G0643400	1.1425	1.14105	UP	UP
25047	TraesCS5A03G0645600	0.53591	0.66499	Down	Down
25048	TraesCS5A03G0647900	0.81521	0.75289	Down	Down
25049	TraesCS5A03G0648600	0.70226	0.73125	Down	Down
25050	TraesCS5A03G0649100	1.04085	3.36555	Up	Up
25051	TraesCS5A03G0649200	1.18683	0.80608	No	No

25052	TraesCS5A03G0649600	0.87751	1.13704	No	No
25053	TraesCS5A03G0650400	0.92253	1.06486	No	No
25054	TraesCS5A03G0651300	1.73239	1.2298	UP	UP
25055	TraesCS5A03G0651400	0.88804	1.83704	No	No
25056	TraesCS5A03G0653800	0.73758	3.56974	Down	Up
25057	TraesCS5A03G0655000	0.64634	1.36277	No	No
25058	TraesCS5A03G0655100	1.19105	1.61922	UP	UP
25059	TraesCS5A03G0655200	1.01055	0.65354	No	No
25061	TraesCS5A03G0656300	0.63838	1.36748	No	No
25062	TraesCS5A03G0657600	0.79307	0.50161	Down	Down
25063	TraesCS5A03G0659000	0.92722	1.07082	No	No
25065	TraesCS5A03G0659300	1.12297	1.6724	UP	UP
25067	TraesCS5A03G0659500	0.45247	0.48307	Down	Down
25068	TraesCS5A03G0659800	0.93914	1.03694	No	No
25069	TraesCS5A03G0659900	1.01461	1.70105	UP	UP
25070	TraesCS5A03G0660000	0.86171	1.34546	No	No
25071	TraesCS5A03G0660400	1.2386	1.51855	UP	UP
25073	TraesCS5A03G0661300	0.53653	1.14332	No	No
25074	TraesCS5A03G0661900	0.93033	0.91791	Down	Down
25080	TraesCS5A03G0663500	0.88444	1.52625	No	No
25081	TraesCS5A03G0663800	0.94193	0.77623	Down	Down
25082	TraesCS5A03G0664800	1.3794	1.80096	UP	UP
25083	TraesCS5A03G0665300	1.02495	0.20541	Up	Down
25086	TraesCS5A03G0667900	1.10231	0.67314	No	No
25087	TraesCS5A03G0669300	1.05837	0.64956	No	No
25088	TraesCS5A03G0669400	0.70771	2.22279	Down	Up
25090	TraesCS5A03G0671000	0.83759	1.82595	No	No
25091	TraesCS5A03G0671200	0.88963	1.8079	No	No
25092	TraesCS5A03G0671900	0.77809	1.20494	No	No
25093	TraesCS5A03G0672400	2.29321	1.15618	Up	Up
25094	TraesCS5A03G0672400	0.80249	0.89778	Down	Down
25095	TraesCS5A03G0674300	0.73781	0.9486	Down	Down
25096	TraesCS5A03G0675000	1.2106	0.36892	Up	Down
25097	TraesCS5A03G0675300	0.65515	1.60663	No	No
25098	TraesCS5A03G0675500	1.0282	0.69858	No	No
25099	TraesCS5A03G0675600	1.11113	0.78461	No	No
25100	TraesCS5A03G0675800	0.5726	1.56128	No	No
25101	TraesCS5A03G0676200	1.26425	1.07526	UP	UP
25102	TraesCS5A03G0676600	0.83436	1.74153	No	No
25103	TraesCS5A03G0676800	0.83656	1.49496	No	No
25104	TraesCS5A03G0677000	0.71988	1.18991	No	No
25105	TraesCS5A03G0677100	0.90417	0.61317	Down	Down
25106	TraesCS5A03G0677200	1.56354	0.49015	Up	Down
25107	TraesCS5A03G0678400	0.30493	3.16279	Down	Up
25108	TraesCS5A03G0678600	0.93409	1.88599	No	No
25113	TraesCS5A03G0679800	1.09577	3.46879	Up	Up
25114	TraesCS5A03G0680600	1.00211	1.60793	UP	UP
25118	TraesCS5A03G0682900	0.99463	0.98249	Down	Down
25119	TraesCS5A03G0684900	0.68644	1.3393	No	No
25120	TraesCS5A03G0685000	2.07599	0.51311	Up	Down
25121	TraesCS5A03G0685500	0.79646	1.46265	No	No
25122	TraesCS5A03G0685600	0.96908	2.3451	Down	Up

25125	TraesCS5A03G0686500	0.93154	0.46002	Down	Down
25126	TraesCS5A03G0689900	1.41421	0.4235	Up	Down
25128	TraesCS5A03G0690400	1.17197	1.32266	UP	UP
25129	TraesCS5A03G0690600	0.76329	1.13252	No	No
25130	TraesCS5A03G0690700	1.63245	1.7132	UP	UP
25132	TraesCS5A03G0691100	1.20271	1.69124	UP	UP
25133	TraesCS5A03G0692600	0.91366	1.0798	No	No
25134	TraesCS5A03G0692600	1.22919	1.64644	UP	UP
25135	TraesCS5A03G0692800	1.17507	0.85638	No	No
25136	TraesCS5A03G0695200	0.96979	1.34592	No	No
25137	TraesCS5A03G0695600	1.08472	1.01636	UP	UP
25138	TraesCS5A03G0696400	1.09406	0.98258	No	No
25139	TraesCS5A03G0698300	0.76653	0.84629	Down	Down
25140	TraesCS5A03G0698400	1.38178	0.83574	No	No
25142	TraesCS5A03G0699900	1.1722	1.86127	UP	UP
25143	TraesCS5A03G0700000	1.21485	1.34946	UP	UP
25144	TraesCS5A03G0700200	0.86596	1.40497	No	No
25145	TraesCS5A03G0700900	1.15465	2.02363	Up	Up
25146	TraesCS5A03G0701200	0.35055	3.0361	Down	Up
25148	TraesCS5A03G0701500	0.82807	1.11072	No	No
25149	TraesCS5A03G0702200	1.25762	1.0684	UP	UP
25150	TraesCS5A03G0703200	1.37449	0.42708	Up	Down
25152	TraesCS5A03G0703500	0.78702	1.01991	No	No
25153	TraesCS5A03G0704000	0.77152	1.78983	No	No
25155	TraesCS5A03G0705800	1.07912	1.14077	UP	UP
25156	TraesCS5A03G0706000	0.70728	1.80861	No	No
25157	TraesCS5A03G0707100	0.8837	0.95315	Down	Down
25159	TraesCS5A03G0708700	1.06967	0.59387	No	No
25161	TraesCS5A03G0709900	0.66996	0.58836	Down	Down
25162	TraesCS5A03G0711600	0.95939	0.88637	Down	Down
25163	TraesCS5A03G0711900	1.52651	0.3853	Up	Down
25164	TraesCS5A03G0712100	0.74783	1.47736	No	No
25165	TraesCS5A03G0712200	1.22459	0.93224	No	No
25166	TraesCS5A03G0712400	1.19388	1.36863	UP	UP
25167	TraesCS5A03G0712500	1.08279	1.44715	UP	UP
25168	TraesCS5A03G0712700	0.44482	1.42405	Down	Up
25169	TraesCS5A03G0713400	0.86282	1.41538	No	No
25170	TraesCS5A03G0713700	1.08971	0.69717	No	No
25171	TraesCS5A03G0713900	0.83578	1.26948	No	No
25172	TraesCS5A03G0714600	0.9395	0.97545	Down	Down
25173	TraesCS5A03G0714900	1.20479	1.08308	UP	UP
25175	TraesCS5A03G0716500	0.81013	1.01206	No	No
25176	TraesCS5A03G0718700	1.5325	2.04277	Up	Up
25177	TraesCS5A03G0720100	7.9349	0.65401	Up	Down
25178	TraesCS5A03G0720400	1.56881	0.60031	No	No
25179	TraesCS5A03G0720800	0.70245	1.25166	No	No
25180	TraesCS5A03G0721300	0.67851	0.87258	Down	Down
25181	TraesCS5A03G0721400	1.03697	1.19489	UP	UP
25182	TraesCS5A03G0721500	1.20547	1.79448	UP	UP
25183	TraesCS5A03G0721600	0.84597	5.65226	Down	Up
25184	TraesCS5A03G0721800	0.99495	1.75228	No	No
25185	TraesCS5A03G0722000	0.7066	1.36531	No	No

25186	TraesCS5A03G0722500	0.63027	1.2543	No	No
25187	TraesCS5A03G0722900	0.84499	1.24527	No	No
25188	TraesCS5A03G0723400	1.00942	1.49129	UP	UP
25189	TraesCS5A03G0724900	0.62407	4.18391	Down	Up
25190	TraesCS5A03G0725000	1.19486	0.83943	No	No
25191	TraesCS5A03G0725300	1.03091	1.17723	UP	UP
25192	TraesCS5A03G0725500	0.75049	0.80503	Down	Down
25193	TraesCS5A03G0726200	0.79924	1.00292	No	No
25194	TraesCS5A03G0727300	0.90882	3.21252	Down	Up
25195	TraesCS5A03G0727800	0.82441	0.90604	Down	Down
25197	TraesCS5A03G0728000	1.03957	1.56577	UP	UP
25198	TraesCS5A03G0728300	0.97876	1.88627	No	No
25199	TraesCS5A03G0728500	1.19591	1.51724	UP	UP
25200	TraesCS5A03G0730500	1.326	0.64368	No	No
25201	TraesCS5A03G0733100	0.66129	0.46136	Down	Down
25202	TraesCS5A03G0734100	0.92391	1.89903	No	No
25204	TraesCS5A03G0735300	0.9439	0.75596	Down	Down
25205	TraesCS5A03G0735400	0.96657	0.90774	Down	Down
25206	TraesCS5A03G0736800	1.34957	1.21885	UP	UP
25207	TraesCS5A03G0736900	0.78409	1.12001	No	No
25208	TraesCS5A03G0738100	0.97124	1.06436	No	No
25209	TraesCS5A03G0738200	1.37713	1.27923	UP	UP
25210	TraesCS5A03G0738300	0.88221	1.07383	No	No
25211	TraesCS5A03G0738400	0.81719	0.97878	Down	Down
25212	TraesCS5A03G0740500	0.81931	1.45839	No	No
25214	TraesCS5A03G0742000	0.95244	1.52363	No	No
25215	TraesCS5A03G0743400	1.21964	1.57342	UP	UP
25216	TraesCS5A03G0743600	1.06974	0.91077	No	No
25217	TraesCS5A03G0744800	0.59057	1.55027	No	No
25218	TraesCS5A03G0748500	0.82574	1.46825	No	No
25219	TraesCS5A03G0748600	1.12472	1.34587	UP	UP
25220	TraesCS5A03G0748900	3.26249	0.33809	Up	Down
25221	TraesCS5A03G0749000	1.28843	1.09136	UP	UP
25223	TraesCS5A03G0751900	1.37793	0.3652	Up	Down
25224	TraesCS5A03G0752000	1.08818	0.90141	No	No
25225	TraesCS5A03G0752700	0.84026	0.56898	Down	Down
25226	TraesCS5A03G0753900	0.50697	0.83893	Down	Down
25227	TraesCS5A03G0754200	0.85391	1.61405	No	No
25228	TraesCS5A03G0760200	0.85196	1.08149	No	No
25229	TraesCS5A03G0760200	0.82438	1.4937	No	No
25230	TraesCS5A03G0760400	0.9314	0.86579	Down	Down
25231	TraesCS5A03G0760500	1.29764	0.67215	No	No
25232	TraesCS5A03G0760900	0.66928	0.5672	Down	Down
25235	TraesCS5A03G0761600	0.98306	1.21237	No	No
25236	TraesCS5A03G0763100	0.79886	1.81648	No	No
25237	TraesCS5A03G0764000	1.0148	0.22403	Up	Down
25238	TraesCS5A03G0764500	0.86226	2.32529	Down	Up
25239	TraesCS5A03G0764700	1.19151	0.44443	Up	Down
25240	TraesCS5A03G0766900	0.9445	0.33335	Down	Down
25241	TraesCS5A03G0767000	1.34582	1.43535	UP	UP
25242	TraesCS5A03G0767400	0.7051	1.66012	No	No
25243	TraesCS5A03G0767600	1.04508	0.52566	No	No

25245	TraesCS5A03G0768000	0.83727	2.9464	Down	Up
25246	TraesCS5A03G0768800	0.9798	1.05061	No	No
25247	TraesCS5A03G0768900	2.59264	0.87499	Up	Down
25248	TraesCS5A03G0769100	0.54758	0.67548	Down	Down
25249	TraesCS5A03G0769500	0.94415	0.22791	Down	Down
25250	TraesCS5A03G0770000	1.36851	1.35873	UP	UP
25251	TraesCS5A03G0770200	1.17914	1.02767	UP	UP
25252	TraesCS5A03G0770400	1.20302	1.37467	UP	UP
25253	TraesCS5A03G0770800	1.08417	0.34484	Up	Down
25254	TraesCS5A03G0771000	0.92106	1.60133	No	No
25255	TraesCS5A03G0771500	0.97001	1.21314	No	No
25256	TraesCS5A03G0771600	0.64754	0.80452	Down	Down
25257	TraesCS5A03G0771800	0.84638	1.02724	No	No
25258	TraesCS5A03G0771800	0.74075	1.36559	No	No
25259	TraesCS5A03G0772000	1.05168	1.69024	UP	UP
25260	TraesCS5A03G0774700	1.05306	0.42571	Up	Down
25261	TraesCS5A03G0774700	1.31321	0.81596	No	No
25262	TraesCS5A03G0777400	1.08911	0.61965	No	No
25263	TraesCS5A03G0777800	0.6535	1.20443	No	No
25264	TraesCS5A03G0778300	1.12457	0.4508	Up	Down
25265	TraesCS5A03G0779300	1.0578	1.14782	UP	UP
25266	TraesCS5A03G0780000	0.38238	5.49557	Down	Up
25267	TraesCS5A03G0780200	1.44239	1.03592	UP	UP
25268	TraesCS5A03G0780600	0.8185	1.24022	No	No
25269	TraesCS5A03G0780700	1.09359	1.67661	UP	UP
25271	TraesCS5A03G0781200	0.53508	1.0981	No	No
25272	TraesCS5A03G0781300	0.68319	1.76554	No	No
25273	TraesCS5A03G0782800	0.88963	3.14463	Down	Up
25274	TraesCS5A03G0783800	0.6602	0.02297	Down	Down
25275	TraesCS5A03G0784500	1.2037	0.52472	No	No
25276	TraesCS5A03G0785000	0.86665	1.77516	No	No
25277	TraesCS5A03G0785100	0.86214	0.69168	Down	Down
25278	TraesCS5A03G0786100	0.94253	0.82917	Down	Down
25279	TraesCS5A03G0786200	0.88379	0.61138	Down	Down
25280	TraesCS5A03G0786500	0.74953	1.07573	No	No
25283	TraesCS5A03G0789700	1.07089	1.31948	UP	UP
25284	TraesCS5A03G0790000	1.05175	1.28178	UP	UP
25285	TraesCS5A03G0790500	1.22857	1.91046	UP	UP
25286	TraesCS5A03G0791200	1.13668	0.55663	No	No
25287	TraesCS5A03G0792000	3.64021	0.73656	Up	Down
25289	TraesCS5A03G0795000	0.84806	0.84528	Down	Down
25290	TraesCS5A03G0795900	0.85821	0.78051	Down	Down
25291	TraesCS5A03G0796500	1.13753	1.24396	UP	UP
25292	TraesCS5A03G0797300	0.65724	0.8018	Down	Down
25293	TraesCS5A03G0797400	0.85826	0.91461	Down	Down
25294	TraesCS5A03G0798500	0.56331	0.77804	Down	Down
25296	TraesCS5A03G0799500	1.17426	0.40985	Up	Down
25297	TraesCS5A03G0799500	1.20247	0.6182	No	No
25298	TraesCS5A03G0799600	0.76905	3.35011	Down	Up
25299	TraesCS5A03G0799900	0.83202	1.7525	No	No
25300	TraesCS5A03G0800700	0.94942	0.78837	Down	Down
25301	TraesCS5A03G0800900	0.78442	2.03395	Down	Up

25302	TraesCS5A03G0801400	0.89952	1.60239	No	No
25303	TraesCS5A03G0801800	0.99815	2.62815	Down	Up
25304	TraesCS5A03G0802100	0.90683	0.03624	Down	Down
25305	TraesCS5A03G0803000	1.06357	1.69955	UP	UP
25306	TraesCS5A03G0803200	0.49717	1.54234	Down	Up
25307	TraesCS5A03G0804100	0.67863	3.2497	Down	Up
25308	TraesCS5A03G0806100	0.59309	1.79549	No	No
25309	TraesCS5A03G0806200	0.53442	1.23988	No	No
25310	TraesCS5A03G0806600	0.54329	1.32315	No	No
25311	TraesCS5A03G0807700	0.96643	1.30728	No	No
25312	TraesCS5A03G0808000	0.88624	1.08317	No	No
25313	TraesCS5A03G0808100	0.90635	1.05208	No	No
25314	TraesCS5A03G0808200	0.80753	0.87344	Down	Down
25315	TraesCS5A03G0810100	0.98041	0.78649	Down	Down
25316	TraesCS5A03G0810500	0.82829	2.31116	Down	Up
25317	TraesCS5A03G0810600	0.77282	1.66351	No	No
25318	TraesCS5A03G0813400	0.45808	1.18462	Down	Up
25319	TraesCS5A03G0814500	1.76517	0.75129	No	No
25320	TraesCS5A03G0815500	0.85924	0.99789	Down	Down
25323	TraesCS5A03G0818100	0.53115	3.53564	Down	Up
25324	TraesCS5A03G0819200	0.98175	2.1382	Down	Up
25325	TraesCS5A03G0820100	0.97714	0.90931	Down	Down
25326	TraesCS5A03G0820200	0.90483	0.81917	Down	Down
25327	TraesCS5A03G0821200	0.95495	0.90637	Down	Down
25328	TraesCS5A03G0822600	0.96069	1.07313	No	No
25329	TraesCS5A03G0822900	1.13827	4.61024	Up	Up
25330	TraesCS5A03G0826200	0.98485	1.20871	No	No
25331	TraesCS5A03G0835700	0.75932	0.80977	Down	Down
25332	TraesCS5A03G0835900	1.13243	0.87017	No	No
25333	TraesCS5A03G0836200	1.05992	0.16153	Up	Down
25334	TraesCS5A03G0839700	1.15867	0.57386	No	No
25335	TraesCS5A03G0842400	0.94427	1.05684	No	No
25336	TraesCS5A03G0843800	0.45345	0.05103	Down	Down
25337	TraesCS5A03G0848900	0.88472	0.62862	Down	Down
25338	TraesCS5A03G0849000	0.86458	0.34303	Down	Down
25339	TraesCS5A03G0850600	1.01983	1.2739	UP	UP
25340	TraesCS5A03G0850700	0.64485	0.9657	Down	Down
25341	TraesCS5A03G0850700	1.1335	1.08715	UP	UP
25342	TraesCS5A03G0852200	3.84412	1.03609	Up	Up
25343	TraesCS5A03G0853600	1.02512	0.4386	Up	Down
25344	TraesCS5A03G0853700	0.71977	2.0503	Down	Up
25346	TraesCS5A03G0854200	0.88427	0.79531	Down	Down
25347	TraesCS5A03G0855600	0.75919	1.08718	No	No
25348	TraesCS5A03G0855900	1.07907	0.51504	No	No
25350	TraesCS5A03G0857000	1.31755	1.39359	UP	UP
25351	TraesCS5A03G0857300	0.96299	0.56659	Down	Down
25354	TraesCS5A03G0857900	0.75052	4.20905	Down	Up
25355	TraesCS5A03G0858000	0.85145	1.3053	No	No
25356	TraesCS5A03G0858900	0.91642	1.57783	No	No
25357	TraesCS5A03G0859000	1.39406	0.54805	No	No
25358	TraesCS5A03G0859100	1.11422	0.94836	No	No
25359	TraesCS5A03G0859200	1.01648	1.40506	UP	UP

25360	TraesCS5A03G0859600	0.79051	1.50795	No	No
25361	TraesCS5A03G0860300	0.89015	0.98265	Down	Down
25362	TraesCS5A03G0862600	1.1741	0.87282	No	No
25364	TraesCS5A03G0864000	0.70305	2.89999	Down	Up
25365	TraesCS5A03G0864200	1.12342	0.96598	No	No
25366	TraesCS5A03G0864400	0.63816	1.05816	No	No
25368	TraesCS5A03G0864700	0.94758	1.37505	No	No
25369	TraesCS5A03G0864800	0.88123	1.63757	No	No
25370	TraesCS5A03G0866100	0.82832	1.05861	No	No
25371	TraesCS5A03G0866500	0.77273	0.9386	Down	Down
25372	TraesCS5A03G0866900	0.86803	2.1018	Down	Up
25373	TraesCS5A03G0867400	1.02635	2.55128	Up	Up
25376	TraesCS5A03G0873000	0.92317	2.4729	Down	Up
25377	TraesCS5A03G0875100	0.61416	1.45265	No	No
25378	TraesCS5A03G0875500	0.94868	0.95274	Down	Down
25379	TraesCS5A03G0877000	0.98678	1.23735	No	No
25380	TraesCS5A03G0877200	1.6158	1.20408	UP	UP
25381	TraesCS5A03G0877600	0.74187	1.66112	No	No
25382	TraesCS5A03G0877900	0.80988	1.35402	No	No
25383	TraesCS5A03G0878700	1.26627	0.55	No	No
25384	TraesCS5A03G0879300	1.63193	0.60862	No	No
25385	TraesCS5A03G0879400	1.16343	0.79158	No	No
25386	TraesCS5A03G0880800	0.99787	1.88585	No	No
25387	TraesCS5A03G0881300	1.11664	0.53938	No	No
25388	TraesCS5A03G0882600	1.10715	0.55653	No	No
25389	TraesCS5A03G0882900	1.01244	0.95087	No	No
25390	TraesCS5A03G0885300	1.28282	1.06051	UP	UP
25391	TraesCS5A03G0885500	1.03981	0.93934	No	No
25392	TraesCS5A03G0885700	0.58797	0.83725	Down	Down
25393	TraesCS5A03G0887500	0.9555	0.88357	Down	Down
25394	TraesCS5A03G0888000	1.75015	2.88448	Up	Up
25395	TraesCS5A03G0888100	1.27201	2.19267	Up	Up
25396	TraesCS5A03G0888200	1.09468	1.16648	UP	UP
25397	TraesCS5A03G0888400	0.98054	1.28453	No	No
25399	TraesCS5A03G0889600	1.41663	3.97751	Up	Up
25400	TraesCS5A03G0889600	0.91994	0.64766	Down	Down
25401	TraesCS5A03G0890400	1.33283	1.0869	UP	UP
25402	TraesCS5A03G0890500	0.81447	0.9275	Down	Down
25403	TraesCS5A03G0890700	1.20682	1.40929	UP	UP
25404	TraesCS5A03G0891100	0.8899	2.44662	Down	Up
25405	TraesCS5A03G0891200	0.83201	0.9784	Down	Down
25406	TraesCS5A03G0891400	1.24221	0.78433	No	No
25407	TraesCS5A03G0891500	0.75327	0.93647	Down	Down
25411	TraesCS5A03G0893000	1.45797	1.39341	UP	UP
25412	TraesCS5A03G0893500	1.08594	0.81839	No	No
25413	TraesCS5A03G0893600	0.75508	1.1741	No	No
25414	TraesCS5A03G0894100	0.82777	0.74945	Down	Down
25415	TraesCS5A03G0895100	0.71299	1.34429	No	No
25416	TraesCS5A03G0895300	0.91399	0.88631	Down	Down
25417	TraesCS5A03G0895800	1.05335	0.81312	No	No
25418	TraesCS5A03G0896300	0.88813	0.40836	Down	Down
25419	TraesCS5A03G0896700	1.08242	1.96078	UP	UP

25420	TraesCS5A03G0896800	0.79176	3.04371	Down	Up
25421	TraesCS5A03G0897600	1.1316	1.20606	UP	UP
25422	TraesCS5A03G0897700	0.53204	1.5326	No	No
25423	TraesCS5A03G0897900	0.94742	1.23154	No	No
25424	TraesCS5A03G0899500	0.97498	0.75649	Down	Down
25425	TraesCS5A03G0899600	0.87805	1.45748	No	No
25426	TraesCS5A03G0900400	1.73855	1.23334	UP	UP
25427	TraesCS5A03G0900700	1.70629	1.3029	UP	UP
25428	TraesCS5A03G0901000	0.49512	8.96569	Down	Up
25429	TraesCS5A03G0901600	0.74568	0.80867	Down	Down
25430	TraesCS5A03G0901700	0.85722	1.34555	No	No
25431	TraesCS5A03G0901900	1.58997	1.23654	UP	UP
25433	TraesCS5A03G0902100	0.74909	2.44932	Down	Up
25434	TraesCS5A03G0902500	0.8018	0.94636	Down	Down
25435	TraesCS5A03G0902700	0.72609	0.23139	Down	Down
25436	TraesCS5A03G0903000	0.92286	1.51965	No	No
25437	TraesCS5A03G0903400	1.21053	0.28457	Up	Down
25439	TraesCS5A03G0905000	0.84322	0.71257	Down	Down
25440	TraesCS5A03G0905100	0.77352	0.76695	Down	Down
25441	TraesCS5A03G0905200	0.89535	0.55106	Down	Down
25442	TraesCS5A03G0905300	0.89196	2.00027	Down	Up
25443	TraesCS5A03G0905500	1.11196	1.01568	UP	UP
25444	TraesCS5A03G0905700	0.38048	2.36481	Down	Up
25446	TraesCS5A03G0909900	1.05798	2.32094	Up	Up
25447	TraesCS5A03G0911100	0.93237	1.00151	No	No
25448	TraesCS5A03G0911200	0.8454	2.06806	Down	Up
25449	TraesCS5A03G0911300	1.17623	1.79837	UP	UP
25450	TraesCS5A03G0911600	0.93118	2.43724	Down	Up
25451	TraesCS5A03G0911700	0.62036	2.65558	Down	Up
25452	TraesCS5A03G0912000	1.13675	12.9546	Up	Up
25453	TraesCS5A03G0912200	1.52056	2.12599	Up	Up
25454	TraesCS5A03G0913500	0.60368	1.4957	No	No
25455	TraesCS5A03G0916900	0.86195	1.23691	No	No
25456	TraesCS5A03G0917900	0.77355	1.15702	No	No
25457	TraesCS5A03G0918100	0.68569	1.79459	No	No
25458	TraesCS5A03G0918500	1.01073	1.12092	UP	UP
25459	TraesCS5A03G0918800	0.80207	1.82276	No	No
25460	TraesCS5A03G0918900	1.11289	2.45098	Up	Up
25461	TraesCS5A03G0919300	1.86629	0.29021	Up	Down
25462	TraesCS5A03G0919400	0.75103	2.32022	Down	Up
25463	TraesCS5A03G0921100	1.41452	2.34455	Up	Up
25464	TraesCS5A03G0922200	0.84938	0.60093	Down	Down
25465	TraesCS5A03G0922800	0.72162	0.43074	Down	Down
25466	TraesCS5A03G0922900	0.75828	0.83517	Down	Down
25467	TraesCS5A03G0924100	1.05762	1.06631	UP	UP
25468	TraesCS5A03G0924800	0.65353	1.64792	No	No
25469	TraesCS5A03G0925400	0.7396	11.2236	Down	Up
25470	TraesCS5A03G0926100	1.02118	0.93702	No	No
25471	TraesCS5A03G0926200	1.24999	0.48951	Up	Down
25472	TraesCS5A03G0927000	1.74159	0.92984	No	No
25473	TraesCS5A03G0927000	0.9175	0.4834	Down	Down
25474	TraesCS5A03G0927400	0.57016	0.82773	Down	Down

25475	TraesCS5A03G0927500	1.21864	0.31607	Up	Down
25476	TraesCS5A03G0928200	1.01585	1.01203	UP	UP
25477	TraesCS5A03G0928400	1.03506	1.77352	UP	UP
25478	TraesCS5A03G0928800	1.26696	0.76913	No	No
25479	TraesCS5A03G0932400	0.7907	0.9284	Down	Down
25481	TraesCS5A03G0933000	0.77953	0.80634	Down	Down
25482	TraesCS5A03G0933200	0.6445	1.84109	No	No
25483	TraesCS5A03G0933400	0.88837	0.86836	Down	Down
25484	TraesCS5A03G0933800	0.99511	0.76372	Down	Down
25485	TraesCS5A03G0934100	0.7865	1.74022	No	No
25486	TraesCS5A03G0934800	1.21269	0.56596	No	No
25488	TraesCS5A03G0935200	2.84463	0.09202	Up	Down
25489	TraesCS5A03G0935300	1.05834	1.08794	UP	UP
25490	TraesCS5A03G0935400	1.22486	0.52295	No	No
25491	TraesCS5A03G0935700	0.63876	0.8486	Down	Down
25492	TraesCS5A03G0935800	0.88523	2.82733	Down	Up
25493	TraesCS5A03G0936800	0.89604	1.91726	No	No
25494	TraesCS5A03G0936900	0.90305	1.39308	No	No
25495	TraesCS5A03G0937100	1.15739	2.03204	Up	Up
25496	TraesCS5A03G0937200	1.13422	0.77276	No	No
25497	TraesCS5A03G0937400	0.57819	3.75261	Down	Up
25498	TraesCS5A03G0937500	0.63794	1.28426	No	No
25500	TraesCS5A03G0937700	0.83816	1.20218	No	No
25502	TraesCS5A03G0938200	0.92104	1.3211	No	No
25503	TraesCS5A03G0938800	0.98659	1.31001	No	No
25504	TraesCS5A03G0939000	1.11969	1.72442	UP	UP
25506	TraesCS5A03G0939800	1.12014	1.08515	UP	UP
25507	TraesCS5A03G0939900	0.56877	9.80843	Down	Up
25508	TraesCS5A03G0942400	0.65271	10.7633	Down	Up
25511	TraesCS5A03G0943000	0.64937	2.60958	Down	Up
25512	TraesCS5A03G0943900	0.74526	0.71976	Down	Down
25513	TraesCS5A03G0944100	0.96439	1.6919	No	No
25515	TraesCS5A03G0945300	0.9313	0.84	Down	Down
25516	TraesCS5A03G0945600	1.08652	0.82862	No	No
25517	TraesCS5A03G0945800	0.88364	0.56077	Down	Down
25519	TraesCS5A03G0948600	2.42955	0.80848	Up	Down
25520	TraesCS5A03G0948700	1.39616	0.34556	Up	Down
25521	TraesCS5A03G0948900	0.88714	1.70526	No	No
25522	TraesCS5A03G0950100	0.65247	1.48765	No	No
25523	TraesCS5A03G0950200	0.46393	1.50586	Down	Up
25524	TraesCS5A03G0950500	1.26818	1.07019	UP	UP
25526	TraesCS5A03G0952400	0.88394	3.17307	Down	Up
25527	TraesCS5A03G0952600	1.0651	0.72088	No	No
25528	TraesCS5A03G0953000	1.45953	1.16924	UP	UP
25529	TraesCS5A03G0953500	0.86659	1.45572	No	No
25530	TraesCS5A03G0954100	0.93255	0.65267	Down	Down
25532	TraesCS5A03G0955400	0.65939	2.83716	Down	Up
25533	TraesCS5A03G0955600	1.155	1.69263	UP	UP
25534	TraesCS5A03G0955800	1.97047	0.80004	No	No
25535	TraesCS5A03G0956000	0.6829	0.75767	Down	Down
25536	TraesCS5A03G0956400	0.80426	0.8658	Down	Down
25537	TraesCS5A03G0956600	1.2923	0.47715	Up	Down

25538	TraesCS5A03G0956600	1.38663	0.74391	No	No
25540	TraesCS5A03G0956900	0.81719	0.63686	Down	Down
25541	TraesCS5A03G0957100	0.80648	1.46724	No	No
25542	TraesCS5A03G0957300	1.11235	0.48895	Up	Down
25543	TraesCS5A03G0957400	0.7982	1.77189	No	No
25545	TraesCS5A03G0957900	0.98747	1.20991	No	No
25546	TraesCS5A03G0958100	0.6744	0.32418	Down	Down
25547	TraesCS5A03G0958100	1.23416	0.69489	No	No
25548	TraesCS5A03G0958800	0.84923	0.10095	Down	Down
25549	TraesCS5A03G0958900	1.06898	0.57251	No	No
25550	TraesCS5A03G0959000	1.0929	0.20375	Up	Down
25551	TraesCS5A03G0960300	0.91443	1.67464	No	No
25552	TraesCS5A03G0960400	0.78912	0.49723	Down	Down
25553	TraesCS5A03G0960500	1.44931	0.9365	No	No
25554	TraesCS5A03G0960700	1.13802	0.30854	Up	Down
25555	TraesCS5A03G0961000	0.86786	0.89797	Down	Down
25557	TraesCS5A03G0963300	0.73122	4.18948	Down	Up
25558	TraesCS5A03G0964000	0.73895	1.57562	No	No
25559	TraesCS5A03G0964100	1.02766	1.70267	UP	UP
25560	TraesCS5A03G0965100	1.81737	0.84012	No	No
25561	TraesCS5A03G0965300	0.8981	1.40065	No	No
25562	TraesCS5A03G0965600	0.75374	2.62016	Down	Up
25563	TraesCS5A03G0967000	0.87644	0.43761	Down	Down
25564	TraesCS5A03G0967100	0.96508	0.63195	Down	Down
25565	TraesCS5A03G0967400	0.77083	1.26969	No	No
25566	TraesCS5A03G0967900	1.02225	0.61949	No	No
25567	TraesCS5A03G0968200	0.77016	1.01917	No	No
25568	TraesCS5A03G0968600	0.91244	1.35303	No	No
25569	TraesCS5A03G0968800	1.02516	1.32768	UP	UP
25570	TraesCS5A03G0968900	1.20858	0.68064	No	No
25571	TraesCS5A03G0969600	1.03188	2.19752	Up	Up
25572	TraesCS5A03G0969700	0.96358	0.74619	Down	Down
25573	TraesCS5A03G0970300	0.98005	1.60323	No	No
25574	TraesCS5A03G0972200	1.0037	1.15374	UP	UP
25575	TraesCS5A03G0972500	0.79108	0.63678	Down	Down
25576	TraesCS5A03G0972600	0.81211	1.22788	No	No
25577	TraesCS5A03G0972700	1.13842	0.68777	No	No
25578	TraesCS5A03G0977500	0.61698	1.96155	No	No
25580	TraesCS5A03G0978700	0.80403	1.44347	No	No
25581	TraesCS5A03G0979300	0.93252	0.59915	Down	Down
25582	TraesCS5A03G0981000	0.68797	0.19941	Down	Down
25587	TraesCS5A03G0984700	0.83149	1.75294	No	No
25588	TraesCS5A03G0985100	0.66836	1.54145	No	No
25589	TraesCS5A03G0986900	0.97243	1.42929	No	No
25590	TraesCS5A03G0987100	0.78868	1.47243	No	No
25591	TraesCS5A03G0987200	0.89367	2.48024	Down	Up
25592	TraesCS5A03G0987500	0.83716	0.88153	Down	Down
25593	TraesCS5A03G0987600	0.72929	0.65455	Down	Down
25594	TraesCS5A03G0987800	0.96225	2.27707	Down	Up
25595	TraesCS5A03G0987900	1.01186	0.46929	Up	Down
25596	TraesCS5A03G0990700	0.82403	1.52713	No	No
25599	TraesCS5A03G0991300	0.72539	1.21589	No	No

25600	TraesCS5A03G0991700	1.07139	0.89819	No	No
25601	TraesCS5A03G0991900	0.77861	1.11572	No	No
25602	TraesCS5A03G0996300	1.49035	0.31999	Up	Down
25604	TraesCS5A03G0996900	0.89632	1.28951	No	No
25608	TraesCS5A03G1002000	1.28502	1.77858	UP	UP
25609	TraesCS5A03G1002100	0.67889	1.8404	No	No
25610	TraesCS5A03G1002100	0.9014	1.76655	No	No
25611	TraesCS5A03G1002200	1.02206	1.12505	UP	UP
25612	TraesCS5A03G1003500	1.082	0.88345	No	No
25613	TraesCS5A03G1003800	0.69162	0.98081	Down	Down
25615	TraesCS5A03G1004200	0.90341	1.42195	No	No
25616	TraesCS5A03G1004300	1.50393	1.3889	UP	UP
25618	TraesCS5A03G1004700	0.74618	0.16123	Down	Down
25619	TraesCS5A03G1004800	0.75375	1.05936	No	No
25620	TraesCS5A03G1004900	1.37118	1.24469	UP	UP
25621	TraesCS5A03G1005300	1.21885	0.98641	No	No
25622	TraesCS5A03G1005600	1.13031	0.39015	Up	Down
25623	TraesCS5A03G1005900	1.10562	3.33868	Up	Up
25624	TraesCS5A03G1006000	1.06208	0.51998	No	No
25625	TraesCS5A03G1006100	1.00614	0.87511	No	No
25626	TraesCS5A03G1006300	0.61447	1.33285	No	No
25629	TraesCS5A03G1007100	1.05145	0.07942	Up	Down
25630	TraesCS5A03G1007800	0.97691	1.22107	No	No
25632	TraesCS5A03G1008600	0.93622	1.53649	No	No
25633	TraesCS5A03G1008800	0.7508	7.19604	Down	Up
25634	TraesCS5A03G1008900	0.78382	2.03133	Down	Up
25635	TraesCS5A03G1009300	0.72144	1.51822	No	No
25636	TraesCS5A03G1009500	0.77497	1.49807	No	No
25637	TraesCS5A03G1009600	1.08635	1.14083	UP	UP
25638	TraesCS5A03G1009700	0.59019	14.797	Down	Up
25639	TraesCS5A03G1010600	1.41274	0.52948	No	No
25640	TraesCS5A03G1013600	1.3338	1.315	UP	UP
25641	TraesCS5A03G1013700	1.02262	2.45299	Up	Up
25642	TraesCS5A03G1014200	0.90962	1.48421	No	No
25643	TraesCS5A03G1014500	1.09453	0.51863	No	No
25644	TraesCS5A03G1014600	0.92604	0.39007	Down	Down
25645	TraesCS5A03G1014700	0.82029	0.79299	Down	Down
25646	TraesCS5A03G1015300	1.0962	1.29431	UP	UP
25647	TraesCS5A03G1017900	0.9379	0.51306	Down	Down
25648	TraesCS5A03G1018000	1.23882	1.03672	UP	UP
25649	TraesCS5A03G1018200	0.97002	1.16726	No	No
25650	TraesCS5A03G1018400	1.06924	0.99647	No	No
25651	TraesCS5A03G1022100	0.94576	1.17424	No	No
25652	TraesCS5A03G1022900	2.36833	1.85127	Up	Up
25653	TraesCS5A03G1023100	2.34551	2.63761	UP	UP
25654	TraesCS5A03G1024200	0.69536	1.25306	No	No
25656	TraesCS5A03G1024800	0.99444	1.40351	No	No
25657	TraesCS5A03G1024900	1.05366	1.04029	UP	UP
25658	TraesCS5A03G1024900	0.49943	1.0825	Down	Up
25659	TraesCS5A03G1028000	1.06979	0.58655	No	No
25660	TraesCS5A03G1028200	1.09574	0.5866	No	No
25662	TraesCS5A03G1032000	0.50195	2.23632	Down	Up

25663	TraesCS5A03G1033100	0.88366	2.16624	Down	Up
25664	TraesCS5A03G1033400	0.64302	1.53515	No	No
25665	TraesCS5A03G1033500	0.64744	1.04623	No	No
25666	TraesCS5A03G1033500	0.55295	0.83756	Down	Down
25667	TraesCS5A03G1033700	0.91093	2.00247	Down	Up
25670	TraesCS5A03G1036300	0.52616	1.09954	No	No
25671	TraesCS5A03G1036400	1.68691	0.78064	No	No
25672	TraesCS5A03G1036700	0.7643	0.84832	Down	Down
25673	TraesCS5A03G1037400	0.36682	10.8398	Down	Up
25674	TraesCS5A03G1038400	0.94377	3.08121	Down	Up
25675	TraesCS5A03G1038800	0.80804	0.85013	Down	Down
25676	TraesCS5A03G1039400	0.78239	2.75944	Down	Up
25677	TraesCS5A03G1039700	1.11926	0.95358	No	No
25680	TraesCS5A03G1042100	1.2834	1.25661	UP	UP
25681	TraesCS5A03G1042300	0.82483	1.10014	No	No
25682	TraesCS5A03G1043000	0.77383	1.03527	No	No
25683	TraesCS5A03G1043100	0.89235	1.06133	No	No
25684	TraesCS5A03G1043400	0.88805	1.41075	No	No
25685	TraesCS5A03G1043800	0.57429	2.89267	Down	Up
25686	TraesCS5A03G1043900	1.10537	4.6781	Up	Up
25687	TraesCS5A03G1044000	0.8912	1.77202	No	No
25688	TraesCS5A03G1044100	1.13761	1.47882	UP	UP
25689	TraesCS5A03G1044900	0.83268	1.23362	No	No
25690	TraesCS5A03G1045300	0.72053	1.30463	No	No
25691	TraesCS5A03G1045500	0.96622	1.70506	No	No
25692	TraesCS5A03G1045700	0.7152	0.65713	Down	Down
25693	TraesCS5A03G1046900	0.93937	1.06341	No	No
25694	TraesCS5A03G1047100	1.24931	1.01347	UP	UP
25695	TraesCS5A03G1047300	0.95296	2.39692	Down	Up
25696	TraesCS5A03G1048100	0.86734	0.52452	Down	Down
25697	TraesCS5A03G1048200	0.77893	1.3485	No	No
25698	TraesCS5A03G1049900	0.435	4.39466	Down	Up
25699	TraesCS5A03G1050300	1.17742	0.27418	Up	Down
25700	TraesCS5A03G1050800	0.93376	1.72404	No	No
25701	TraesCS5A03G1051000	0.97757	0.7706	Down	Down
25703	TraesCS5A03G1051600	0.79802	1.04103	No	No
25704	TraesCS5A03G1051800	0.88414	1.95287	No	No
25705	TraesCS5A03G1054000	0.82651	0.96069	Down	Down
25706	TraesCS5A03G1054300	0.9497	5.06944	Down	Up
25707	TraesCS5A03G1054600	0.85852	1.31872	No	No
25708	TraesCS5A03G1056800	1.02367	0.93987	No	No
25709	TraesCS5A03G1057100	0.97364	0.92909	Down	Down
25710	TraesCS5A03G1057200	0.64566	2.18435	Down	Up
25712	TraesCS5A03G1058300	0.83044	1.60776	No	No
25713	TraesCS5A03G1059400	1.00305	3.35604	Up	Up
25714	TraesCS5A03G1060100	0.6621	0.85929	Down	Down
25715	TraesCS5A03G1060200	0.83343	1.74232	No	No
25716	TraesCS5A03G1060400	0.50455	3.6388	Down	Up
25717	TraesCS5A03G1060600	1.32539	1.63479	UP	UP
25719	TraesCS5A03G1061900	0.89697	1.28104	No	No
25720	TraesCS5A03G1066100	0.89401	0.90207	Down	Down
25722	TraesCS5A03G1069700	0.66964	1.2615	No	No

25723	TraesCS5A03G1070000	0.6959	0.15829	Down	Down
25725	TraesCS5A03G1071100	1.2738	1.34859	UP	UP
25726	TraesCS5A03G1073600	0.94535	4.46276	Down	Up
25727	TraesCS5A03G1073700	0.97851	1.07417	No	No
25728	TraesCS5A03G1074100	0.99445	0.27366	Down	Down
25729	TraesCS5A03G1074400	0.97922	1.59966	No	No
25731	TraesCS5A03G1074600	0.94716	3.11095	Down	Up
25732	TraesCS5A03G1075300	0.8297	1.48931	No	No
25733	TraesCS5A03G1075500	0.82068	2.72478	Down	Up
25734	TraesCS5A03G1076400	1.01705	0.89601	No	No
25735	TraesCS5A03G1076600	0.95017	1.79298	No	No
25736	TraesCS5A03G1076700	0.71083	1.59666	No	No
25737	TraesCS5A03G1078200	1.03108	1.08211	UP	UP
25738	TraesCS5A03G1078300	1.12764	1.30413	UP	UP
25739	TraesCS5A03G1079400	1.49572	0.6667	No	No
25740	TraesCS5A03G1079500	0.73527	0.19459	Down	Down
25743	TraesCS5A03G1084700	0.76527	1.04068	No	No
25744	TraesCS5A03G1085400	1.17582	0.34994	Up	Down
25745	TraesCS5A03G1086200	1.54551	0.42137	Up	Down
25746	TraesCS5A03G1086900	0.87564	1.23365	No	No
25747	TraesCS5A03G1087500	0.98524	0.79403	Down	Down
25748	TraesCS5A03G1087600	0.37889	2.51282	Down	Up
25749	TraesCS5A03G1087800	0.96194	1.30073	No	No
25750	TraesCS5A03G1088100	0.69937	3.13535	Down	Up
25751	TraesCS5A03G1088300	0.96178	1.03762	No	No
25752	TraesCS5A03G1089200	0.95175	1.23442	No	No
25753	TraesCS5A03G1090400	0.92738	2.73421	Down	Up
25754	TraesCS5A03G1090500	0.90154	2.27387	Down	Up
25755	TraesCS5A03G1090600	1.0416	0.51491	No	No
25756	TraesCS5A03G1093300	0.78881	2.06024	Down	Up
25758	TraesCS5A03G1093700	0.52719	2.27202	Down	Up
25759	TraesCS5A03G1093800	0.47649	1.57575	Down	Up
25761	TraesCS5A03G1096800	1.24303	1.65567	UP	UP
25762	TraesCS5A03G1097200	0.75708	1.71185	No	No
25763	TraesCS5A03G1097400	0.74532	1.83662	No	No
25764	TraesCS5A03G1097600	0.97948	1.21467	No	No
25765	TraesCS5A03G1099300	0.81094	0.2576	Down	Down
25767	TraesCS5A03G1100200	0.90768	0.98363	Down	Down
25768	TraesCS5A03G1100300	1.09326	0.90341	No	No
25769	TraesCS5A03G1100400	1.14457	0.47678	Up	Down
25770	TraesCS5A03G1100700	0.84959	2.09018	Down	Up
25771	TraesCS5A03G1100800	0.76461	1.03274	No	No
25772	TraesCS5A03G1100900	1.23809	1.26545	UP	UP
25773	TraesCS5A03G1101100	0.75779	2.38864	Down	Up
25774	TraesCS5A03G1101200	0.5339	0.77673	Down	Down
25775	TraesCS5A03G1101500	1.23701	1.22256	UP	UP
25776	TraesCS5A03G1101800	0.94883	1.03465	No	No
25777	TraesCS5A03G1102400	0.79875	1.15798	No	No
25778	TraesCS5A03G1103200	1.6353	1.97633	UP	UP
25779	TraesCS5A03G1103900	1.39438	2.05854	Up	Up
25780	TraesCS5A03G1104100	0.56865	0.44409	Down	Down
25781	TraesCS5A03G1104300	1.20319	0.43988	Up	Down

25783	TraesCS5A03G1104500	1.40649	0.95531	No	No
25784	TraesCS5A03G1104800	1.24876	0.76912	No	No
25785	TraesCS5A03G1104900	1.17958	2.33581	Up	Up
25786	TraesCS5A03G1105000	0.85087	1.6476	No	No
25787	TraesCS5A03G1105300	0.7522	1.5053	No	No
25788	TraesCS5A03G1106700	0.52561	0.89459	Down	Down
25789	TraesCS5A03G1106800	0.72937	0.73028	Down	Down
25791	TraesCS5A03G1108700	0.76189	1.64813	No	No
25792	TraesCS5A03G1110000	0.28007	10.0174	Down	Up
25794	TraesCS5A03G1111800	0.82965	12.4387	Down	Up
25795	TraesCS5A03G1113100	1.10284	0.31426	Up	Down
25796	TraesCS5A03G1113500	1.118	1.25429	UP	UP
25797	TraesCS5A03G1115400	0.78749	1.30805	No	No
25798	TraesCS5A03G1115600	0.97233	1.3373	No	No
25799	TraesCS5A03G1115800	0.94247	0.64493	Down	Down
25800	TraesCS5A03G1115800	1.59859	0.8454	No	No
25803	TraesCS5A03G1116500	0.85257	1.87011	No	No
25804	TraesCS5A03G1116700	0.71506	0.85432	Down	Down
25805	TraesCS5A03G1118300	0.74456	1.74633	No	No
25806	TraesCS5A03G1120900	0.96296	0.3523	Down	Down
25807	TraesCS5A03G1121000	1.43751	0.86103	No	No
25808	TraesCS5A03G1122600	0.84669	1.73942	No	No
25809	TraesCS5A03G1123200	1.12392	1.06146	UP	UP
25810	TraesCS5A03G1123300	1.15158	0.89669	No	No
25811	TraesCS5A03G1123600	1.25524	1.03048	UP	UP
25812	TraesCS5A03G1126300	0.847	5.23508	Down	Up
25813	TraesCS5A03G1126800	0.59321	1.53053	No	No
25815	TraesCS5A03G1127100	0.8017	1.03253	No	No
25816	TraesCS5A03G1127100	1.16459	1.52661	UP	UP
25817	TraesCS5A03G1127700	1.09025	0.81415	No	No
25819	TraesCS5A03G1129100	0.98608	0.78124	Down	Down
25820	TraesCS5A03G1130300	0.92595	1.53929	No	No
25821	TraesCS5A03G1130400	1.15244	0.94531	No	No
25824	TraesCS5A03G1131600	0.96853	0.63744	Down	Down
25825	TraesCS5A03G1132300	0.62442	1.56122	No	No
25826	TraesCS5A03G1132400	0.78717	0.6021	Down	Down
25828	TraesCS5A03G1134100	1.184	1.01047	UP	UP
25829	TraesCS5A03G1134200	0.85242	0.16898	Down	Down
25830	TraesCS5A03G1134300	1.15028	0.42735	Up	Down
25831	TraesCS5A03G1134700	0.77141	1.50675	No	No
25832	TraesCS5A03G1134800	0.74895	1.50508	No	No
25833	TraesCS5A03G1134900	0.77536	0.72776	Down	Down
25834	TraesCS5A03G1135300	0.72526	1.11491	No	No
25835	TraesCS5A03G1135400	0.84834	0.37109	Down	Down
25837	TraesCS5A03G1135600	1.05668	0.77818	No	No
25838	TraesCS5A03G1137200	1.05818	0.87852	No	No
25839	TraesCS5A03G1138000	0.96747	0.98553	Down	Down
25840	TraesCS5A03G1138200	1.13136	0.93573	No	No
25841	TraesCS5A03G1138600	0.94192	1.09314	No	No
25842	TraesCS5A03G1139600	0.75829	1.26828	No	No
25843	TraesCS5A03G1139900	0.95416	1.47865	No	No
25844	TraesCS5A03G1140600	1.44114	1.55009	UP	UP

25845	TraesCS5A03G1140700	1.24309	0.87304	No	No
25846	TraesCS5A03G1140800	1.54576	1.195	UP	UP
25847	TraesCS5A03G1140900	0.84831	0.44764	Down	Down
25848	TraesCS5A03G1141000	0.92718	1.2935	No	No
25849	TraesCS5A03G1141800	0.93409	2.20513	Down	Up
25850	TraesCS5A03G1141900	0.68872	1.46678	No	No
25852	TraesCS5A03G1142900	1.10609	0.6248	No	No
25853	TraesCS5A03G1143200	0.81617	1.68735	No	No
25854	TraesCS5A03G1144100	1.3777	0.79892	No	No
25856	TraesCS5A03G1144900	0.92281	1.04021	No	No
25857	TraesCS5A03G1145500	0.85331	2.02454	Down	Up
25858	TraesCS5A03G1145600	1.3342	0.88355	No	No
25859	TraesCS5A03G1146000	1.2525	0.95567	No	No
25861	TraesCS5A03G1146700	1.34976	0.48337	Up	Down
25865	TraesCS5A03G1148300	0.63826	1.31595	No	No
25866	TraesCS5A03G1148500	0.4685	2.17032	Down	Up
25867	TraesCS5A03G1150300	1.4352	0.74241	No	No
25868	TraesCS5A03G1150600	1.26014	0.20791	Up	Down
25869	TraesCS5A03G1151300	1.0985	0.68904	No	No
25870	TraesCS5A03G1151700	0.90187	1.14195	No	No
25871	TraesCS5A03G1152000	0.67787	1.13818	No	No
25872	TraesCS5A03G1152100	1.14128	0.85602	No	No
25873	TraesCS5A03G1153800	1.23172	1.01517	UP	UP
25874	TraesCS5A03G1154000	1.09717	1.19203	UP	UP
25875	TraesCS5A03G1154100	0.80306	1.06735	No	No
25876	TraesCS5A03G1156100	0.93233	0.26221	Down	Down
25877	TraesCS5A03G1156400	1.05417	0.98346	No	No
25878	TraesCS5A03G1156500	1.53708	1.02587	UP	UP
25879	TraesCS5A03G1156600	1.01377	1.80711	UP	UP
25880	TraesCS5A03G1156700	1.81722	1.00137	UP	UP
25882	TraesCS5A03G1157000	1.50461	1.27463	UP	UP
25883	TraesCS5A03G1157600	0.96879	6.83202	Down	Up
25884	TraesCS5A03G1157700	1.0093	1.51459	UP	UP
25885	TraesCS5A03G1158300	0.94121	0.96215	Down	Down
25886	TraesCS5A03G1159200	0.81773	2.12382	Down	Up
25887	TraesCS5A03G1159200	0.75174	0.80199	Down	Down
25888	TraesCS5A03G1159300	1.04972	1.22477	UP	UP
25889	TraesCS5A03G1159400	2.74092	2.99701	UP	UP
25890	TraesCS5A03G1159600	1.07979	1.27153	UP	UP
25891	TraesCS5A03G1159800	0.89957	0.33074	Down	Down
25893	TraesCS5A03G1160600	1.11356	1.16586	UP	UP
25894	TraesCS5A03G1161000	1.04715	1.83874	UP	UP
25895	TraesCS5A03G1161800	0.8485	1.01264	No	No
25898	TraesCS5A03G1163900	0.81602	1.31501	No	No
25899	TraesCS5A03G1164500	0.95584	1.43691	No	No
25900	TraesCS5A03G1165000	0.90606	1.35786	No	No
25902	TraesCS5A03G1165600	0.93218	2.71003	Down	Up
25904	TraesCS5A03G1166800	1.2296	0.39397	Up	Down
25905	TraesCS5A03G1166900	0.895	1.13813	No	No
25906	TraesCS5A03G1167200	1.0866	1.33296	UP	UP
25907	TraesCS5A03G1167400	0.9057	0.58249	Down	Down
25914	TraesCS5A03G1169200	0.86092	1.50739	No	No

25915	TraesCS5A03G1169800	0.81856	0.91023	Down	Down
25918	TraesCS5A03G1171300	1.14732	2.07991	Up	Up
25919	TraesCS5A03G1171800	0.59501	4.99668	Down	Up
25921	TraesCS5A03G1174200	0.68853	14.7724	Down	Up
25922	TraesCS5A03G1175900	1.19773	0.31617	Up	Down
25923	TraesCS5A03G1176000	0.8169	0.82958	Down	Down
25925	TraesCS5A03G1177200	1.15769	0.62762	No	No
25926	TraesCS5A03G1177300	1.72418	0.40945	Up	Down
25927	TraesCS5A03G1177400	0.99259	0.43066	Down	Down
25928	TraesCS5A03G1179000	1.36838	0.93581	No	No
25929	TraesCS5A03G1180800	1.42369	0.61618	No	No
25930	TraesCS5A03G1181100	1.37813	0.26099	Up	Down
25931	TraesCS5A03G1181200	2.20526	0.19513	Up	Down
25932	TraesCS5A03G1184000	0.09635	3.00985	Down	Up
25933	TraesCS5A03G1185000	0.53095	1.93144	No	No
25934	TraesCS5A03G1186000	0.95052	2.59196	Down	Up
25935	TraesCS5A03G1186200	1.1582	1.01672	UP	UP
25936	TraesCS5A03G1186300	1.09188	1.18918	UP	UP
25937	TraesCS5A03G1187000	0.95473	1.77816	No	No
25938	TraesCS5A03G1187100	1.1859	0.60763	No	No
25939	TraesCS5A03G1188400	1.04197	2.89297	Up	Up
25941	TraesCS5A03G1189600	5.03049	1.00262	Up	Up
25942	TraesCS5A03G1192400	1.15177	0.86316	No	No
25944	TraesCS5A03G1193900	0.78957	1.55774	No	No
25945	TraesCS5A03G1194400	0.99095	2.19379	Down	Up
25946	TraesCS5A03G1194600	0.88896	0.98171	Down	Down
25947	TraesCS5A03G1195000	0.60844	1.29702	No	No
25948	TraesCS5A03G1196500	0.74893	0.85067	Down	Down
25949	TraesCS5A03G1196900	0.8661	0.58514	Down	Down
25950	TraesCS5A03G1197100	1.34468	0.73011	No	No
25951	TraesCS5A03G1197100	1.82015	0.86566	No	No
25953	TraesCS5A03G1197600	0.92114	1.03564	No	No
25954	TraesCS5A03G1197700	0.94336	0.8275	Down	Down
25956	TraesCS5A03G1201200	0.58961	1.42685	No	No
25957	TraesCS5A03G1201900	1.1747	1.53718	UP	UP
25958	TraesCS5A03G1202200	0.70843	5.80066	Down	Up
25959	TraesCS5A03G1202400	0.93146	1.43292	No	No
25960	TraesCS5A03G1203100	0.6865	1.27824	No	No
25961	TraesCS5A03G1203200	1.14432	1.17117	UP	UP
25962	TraesCS5A03G1203300	0.78213	0.39365	Down	Down
25963	TraesCS5A03G1203500	1.6233	4.27089	Up	Up
25965	TraesCS5A03G1204900	0.57396	1.65723	No	No
25966	TraesCS5A03G1205200	1.47132	1.34343	UP	UP
25967	TraesCS5A03G1205300	1.06463	1.11755	UP	UP
25968	TraesCS5A03G1205400	1.03942	4.92661	Up	Up
25969	TraesCS5A03G1205500	0.31219	1.402	Down	Up
25970	TraesCS5A03G1205800	1.01319	0.80642	No	No
25971	TraesCS5A03G1205900	0.68043	4.12462	Down	Up
25972	TraesCS5A03G1206000	0.62248	3.92863	Down	Up
25974	TraesCS5A03G1206700	0.67535	0.95668	Down	Down
25975	TraesCS5A03G1207000	0.79737	2.05556	Down	Up
25976	TraesCS5A03G1207200	1.24793	0.99537	No	No

25977	TraesCS5A03G1207400	0.77157	6.45558	Down	Up
25978	TraesCS5A03G1207400	0.6225	7.03955	Down	Up
25979	TraesCS5A03G1207600	0.64762	0.34149	Down	Down
25980	TraesCS5A03G1208300	1.12228	0.55342	No	No
25981	TraesCS5A03G1208400	0.94663	1.35731	No	No
25982	TraesCS5A03G1208500	1.08807	0.29519	Up	Down
25983	TraesCS5A03G1210000	1.3646	0.9366	No	No
25984	TraesCS5A03G1210100	0.48462	0.77532	Down	Down
25985	TraesCS5A03G1210200	1.16379	0.53463	No	No
25987	TraesCS5A03G1213000	1.05079	0.99477	No	No
25988	TraesCS5A03G1213100	0.67183	2.18444	Down	Up
25989	TraesCS5A03G1214300	1.01002	1.59387	UP	UP
25990	TraesCS5A03G1216400	0.61375	5.09348	Down	Up
25992	TraesCS5A03G1218300	0.59766	1.59877	No	No
25993	TraesCS5A03G1218900	0.37188	3.58716	Down	Up
25994	TraesCS5A03G1219200	1.17069	1.11334	UP	UP
25995	TraesCS5A03G1219800	0.49662	1.24364	Down	Up
25996	TraesCS5A03G1220000	0.75057	0.94473	Down	Down
25997	TraesCS5A03G1220800	0.55692	1.44688	No	No
25998	TraesCS5A03G1223200	0.92644	0.68539	Down	Down
25999	TraesCS5A03G1224000	1.98362	0.05497	Up	Down
26000	TraesCS5A03G1224100	1.42416	0.58789	No	No
26001	TraesCS5A03G1224200	1.04697	0.49292	Up	Down
26003	TraesCS5A03G1224400	0.6886	0.35846	Down	Down
26004	TraesCS5A03G1225100	0.96793	0.3166	Down	Down
26005	TraesCS5A03G1225200	0.66174	1.13214	No	No
26006	TraesCS5A03G1225300	1.3176	0.70207	No	No
26009	TraesCS5A03G1226000	1.3331	0.57633	No	No
26010	TraesCS5A03G1226500	1.16273	1.10183	UP	UP
26011	TraesCS5A03G1227400	0.88191	1.25318	No	No
26012	TraesCS5A03G1228700	0.71062	3.41564	Down	Up
26013	TraesCS5A03G1228900	1.52907	2.46073	Up	Up
26014	TraesCS5A03G1230400	0.77091	1.5399	No	No
26015	TraesCS5A03G1230500	0.30788	14.7339	Down	Up
26016	TraesCS5A03G1233500	1.00496	1.00303	UP	UP
26017	TraesCS5A03G1233600	0.79898	1.84685	No	No
26018	TraesCS5A03G1234200	1.32403	0.27029	Up	Down
26019	TraesCS5A03G1234700	0.8257	2.11267	Down	Up
26021	TraesCS5A03G1235300	0.90397	0.67116	Down	Down
26022	TraesCS5A03G1235400	0.8941	0.89152	Down	Down
26023	TraesCS5A03G1235500	0.93953	0.87845	Down	Down
26024	TraesCS5A03G1237000	1.04574	1.25762	UP	UP
26025	TraesCS5A03G1237100	0.75017	0.96031	Down	Down
26026	TraesCS5A03G1237400	1.05573	0.58573	No	No
26027	TraesCS5A03G1237400	1.16818	0.73474	No	No
26028	TraesCS5A03G1240000	0.95636	0.75648	Down	Down
26029	TraesCS5A03G1240100	0.78293	1.20649	No	No
26030	TraesCS5A03G1242400	0.93894	1.32057	No	No
26031	TraesCS5A03G1243100	1.17774	1.23411	UP	UP
26032	TraesCS5A03G1243300	1.34875	0.31238	Up	Down
26035	TraesCS5A03G1248700	0.85546	2.10184	Down	Up
26036	TraesCS5A03G1250200	0.22468	0.29627	Down	Down

26037	TraesCS5A03G1250600	3.90934	0.52495	Up	Down
26039	TraesCS5A03G1254500	1.03646	1.27263	UP	UP
26040	TraesCS5A03G1255100	0.83893	1.55975	No	No
26042	TraesCS5A03G1257600	0.99191	1.06221	No	No
26044	TraesCS5A03G1259900	0.75434	1.13974	No	No
26045	TraesCS5A03G1262400	0.98396	0.59175	Down	Down
26046	TraesCS5A03G1263000	0.85327	0.70587	Down	Down
26047	TraesCS5A03G1264000	0.71938	2.6574	Down	Up
26048	TraesCS5A03G1264100	0.72752	1.87811	No	No
26049	TraesCS5A03G1264300	0.73433	2.87007	Down	Up
26050	TraesCS5A03G1266000	1.23036	1.05399	UP	UP
26051	TraesCS5A03G1266600	1.20655	1.59029	UP	UP
26054	TraesCS5A03G1267700	0.89824	1.12752	No	No
26055	TraesCS5A03G1267900	0.72054	0.78326	Down	Down
26056	TraesCS5A03G1268200	1.04408	0.59767	No	No
26058	TraesCS5A03G1268400	1.20451	0.50762	No	No
26061	TraesCS5A03G1270100	0.90726	0.8769	Down	Down
26062	TraesCS5A03G1270200	1.18529	0.71181	No	No
26063	TraesCS5A03G1270300	0.81141	2.69438	Down	Up
26064	TraesCS5A03G1273300	1.09457	0.71683	No	No
26065	TraesCS5A03G1273400	0.41643	3.14778	Down	Up
26067	TraesCS5A03G1274200	0.84364	0.60721	Down	Down
26068	TraesCS5A03G1274300	0.92412	0.69142	Down	Down
26069	TraesCS5A03G1274700	0.96543	0.72115	Down	Down
26070	TraesCS5A03G1275200	1.60406	0.64706	No	No
26071	TraesCS5A03G1275400	1.10818	0.23051	Up	Down
26072	TraesCS5A03G1275500	0.90778	2.1365	Down	Up
26073	TraesCS5A03G1275600	0.77991	1.2063	No	No
26074	TraesCS5A03G1276900	0.70405	0.59618	Down	Down
26075	TraesCS5A03G1278000	0.95958	0.21081	Down	Down
26077	TraesCS5A03G1280000	0.8562	1.31652	No	No
26078	TraesCS5A03G1281300	1.05313	0.62788	No	No
26079	TraesCS5A03G1286100	0.84012	0.79509	Down	Down
26080	TraesCS5A03G1286500	0.9592	0.49423	Down	Down
26082	TraesCS5A03G1287400	0.87019	7.68604	Down	Up
26083	TraesCS5A03G1289300	0.45853	2.3669	Down	Up
26084	TraesCS5A03G1289900	0.79224	1.14354	No	No
26086	TraesCS5A03G1292200	0.49874	1.7382	Down	Up
26088	TraesCS5A03G1293700	0.82215	1.00178	No	No
26089	TraesCS5A03G1293700	1.0129	0.45009	Up	Down
26090	TraesCS5A03G1294600	0.89124	1.23338	No	No
26091	TraesCS5A03G1297200	2.63213	0.27805	Up	Down
26092	TraesCS5A03G1298000	0.82546	1.51554	No	No
26093	TraesCS5A03G1298100	0.84561	1.05387	No	No
26094	TraesCS5A03G1298200	1.03564	1.64151	UP	UP
26095	TraesCS5A03G1302600	1.37124	1.03411	UP	UP
26096	TraesCS5A03G1302900	0.93242	0.72751	Down	Down
26097	TraesCS5A03G1302900	0.71292	0.65091	Down	Down
26098	TraesCS5A03G1303800	0.94069	0.81068	Down	Down
26099	TraesCS5A03G1305000	0.87141	0.93489	Down	Down
26100	TraesCS5B03G0000300	1.05684	0.46375	Up	Down
26101	TraesCS5B03G0000900	1.15465	1.27417	UP	UP

26103	TraesCS5B03G0001100	1.13375	0.61114	No	No
26104	TraesCS5B03G0001200	1.17766	1.69412	UP	UP
26105	TraesCS5B03G0001600	1.61005	0.36829	Up	Down
26106	TraesCS5B03G0001800	1.13536	1.09237	UP	UP
26107	TraesCS5B03G0002200	1.11613	0.81287	No	No
26108	TraesCS5B03G0002300	0.72014	1.75474	No	No
26111	TraesCS5B03G0003200	0.93294	0.98726	Down	Down
26112	TraesCS5B03G0004700	0.82596	0.90697	Down	Down
26113	TraesCS5B03G0004800	0.85015	0.86399	Down	Down
26114	TraesCS5B03G0005800	0.91712	1.3051	No	No
26115	TraesCS5B03G0006200	1.00012	1.01708	UP	UP
26116	TraesCS5B03G0006300	0.66026	2.4208	Down	Up
26118	TraesCS5B03G0006700	1.3857	1.58988	UP	UP
26119	TraesCS5B03G0006900	0.39902	3.2642	Down	Up
26120	TraesCS5B03G0007900	2.20667	1.09016	Up	Up
26121	TraesCS5B03G0009700	1.2012	1.89945	UP	UP
26122	TraesCS5B03G0011400	0.79867	0.7348	Down	Down
26123	TraesCS5B03G0011500	1.71149	0.97901	No	No
26125	TraesCS5B03G0014600	1.27691	0.55723	No	No
26126	TraesCS5B03G0017600	0.93331	1.86318	No	No
26127	TraesCS5B03G0018000	0.90166	1.47834	No	No
26128	TraesCS5B03G0018200	0.82583	1.23994	No	No
26129	TraesCS5B03G0019600	1.00239	1.17484	UP	UP
26130	TraesCS5B03G0019600	3.74655	0.55831	Up	Down
26131	TraesCS5B03G0019700	0.71244	8.30709	Down	Up
26133	TraesCS5B03G0019900	0.78749	0.61731	Down	Down
26134	TraesCS5B03G0020000	0.94329	1.05899	No	No
26135	TraesCS5B03G0020200	0.25517	4.6087	Down	Up
26136	TraesCS5B03G0020300	1.30092	2.07429	Up	Up
26137	TraesCS5B03G0020400	2.87971	1.6745	Up	Up
26138	TraesCS5B03G0021800	0.90271	1.20128	No	No
26139	TraesCS5B03G0022000	0.82564	1.17663	No	No
26140	TraesCS5B03G0023200	0.68084	0.50773	Down	Down
26141	TraesCS5B03G0023800	1.4165	0.73841	No	No
26143	TraesCS5B03G0026100	1.02636	2.25908	Up	Up
26144	TraesCS5B03G0026400	0.95845	1.11597	No	No
26145	TraesCS5B03G0026700	0.90205	1.29611	No	No
26146	TraesCS5B03G0026800	0.82325	1.68156	No	No
26147	TraesCS5B03G0027500	1.1508	1.32236	UP	UP
26148	TraesCS5B03G0027900	1.1085	0.62445	No	No
26149	TraesCS5B03G0028300	0.87824	1.35395	No	No
26150	TraesCS5B03G0028400	0.98925	1.14977	No	No
26151	TraesCS5B03G0028900	0.81723	1.62824	No	No
26152	TraesCS5B03G0029500	0.57088	1.90904	No	No
26153	TraesCS5B03G0029800	0.93909	0.70215	Down	Down
26154	TraesCS5B03G0030600	1.22821	1.2243	UP	UP
26155	TraesCS5B03G0030700	0.8952	1.35013	No	No
26156	TraesCS5B03G0030800	0.70775	1.93004	No	No
26157	TraesCS5B03G0030900	1.11357	0.68308	No	No
26158	TraesCS5B03G0032700	0.23739	13.4261	Down	Up
26161	TraesCS5B03G0035900	0.82494	0.33297	Down	Down
26162	TraesCS5B03G0037100	0.70751	1.46322	No	No

26163	TraesCS5B03G0040100	1.11716	0.78005	No	No
26164	TraesCS5B03G0040200	1.10546	0.97967	No	No
26165	TraesCS5B03G0040800	0.97033	0.46163	Down	Down
26166	TraesCS5B03G0042900	0.77952	1.22545	No	No
26167	TraesCS5B03G0043000	1.49175	0.78636	No	No
26168	TraesCS5B03G0043100	0.83236	1.63763	No	No
26169	TraesCS5B03G0043100	2.03282	2.49152	UP	UP
26170	TraesCS5B03G0043100	0.23801	0.17413	Down	Down
26171	TraesCS5B03G0046300	0.82476	1.85904	No	No
26172	TraesCS5B03G0051400	1.09115	1.76842	UP	UP
26173	TraesCS5B03G0053200	0.85628	3.46484	Down	Up
26174	TraesCS5B03G0053500	0.8676	1.18265	No	No
26175	TraesCS5B03G0053600	0.81738	0.84485	Down	Down
26176	TraesCS5B03G0053600	1.02286	1.35257	UP	UP
26177	TraesCS5B03G0054000	0.41024	1.31722	Down	Up
26179	TraesCS5B03G0057900	3.14212	0.91801	Up	Down
26180	TraesCS5B03G0058800	0.76741	1.42942	No	No
26181	TraesCS5B03G0061600	0.96859	1.17879	No	No
26182	TraesCS5B03G0062000	0.85038	2.98154	Down	Up
26183	TraesCS5B03G0062500	1.00923	0.67296	No	No
26184	TraesCS5B03G0065800	0.98908	0.93748	Down	Down
26185	TraesCS5B03G0066000	1.23001	0.74796	No	No
26186	TraesCS5B03G0067000	0.77915	0.46835	Down	Down
26188	TraesCS5B03G0067600	1.09161	0.94052	No	No
26189	TraesCS5B03G0067800	0.84634	1.05663	No	No
26190	TraesCS5B03G0067900	1.15846	0.40166	Up	Down
26191	TraesCS5B03G0068000	1.1931	0.70047	No	No
26192	TraesCS5B03G0074100	0.74547	1.58413	No	No
26193	TraesCS5B03G0074400	1.45045	0.45763	Up	Down
26194	TraesCS5B03G0074700	0.90543	1.19284	No	No
26195	TraesCS5B03G0075000	0.7657	0.71605	Down	Down
26196	TraesCS5B03G0075200	1.16597	0.80357	No	No
26197	TraesCS5B03G0075300	0.86688	1.48632	No	No
26198	TraesCS5B03G0077100	1.06937	1.13195	UP	UP
26199	TraesCS5B03G0078200	0.92045	1.11056	No	No
26200	TraesCS5B03G0080000	0.83882	0.90255	Down	Down
26203	TraesCS5B03G0081500	0.8094	1.82157	No	No
26204	TraesCS5B03G0085100	0.65445	1.36233	No	No
26206	TraesCS5B03G0090800	0.95813	0.46662	Down	Down
26207	TraesCS5B03G0090900	1.18285	1.46483	UP	UP
26210	TraesCS5B03G0095800	0.95088	0.537	Down	Down
26211	TraesCS5B03G0097200	0.7952	0.58829	Down	Down
26212	TraesCS5B03G0098300	0.81871	0.94333	Down	Down
26215	TraesCS5B03G0100900	0.9745	0.9625	Down	Down
26216	TraesCS5B03G0101900	2.22597	1.56252	Up	Up
26217	TraesCS5B03G0103600	0.93755	1.22118	No	No
26218	TraesCS5B03G0104000	1.23031	1.21305	UP	UP
26219	TraesCS5B03G0104100	0.67957	1.20895	No	No
26221	TraesCS5B03G0104400	0.83246	2.20933	Down	Up
26222	TraesCS5B03G0105700	0.99113	0.20371	Down	Down
26224	TraesCS5B03G0109700	0.87296	1.02146	No	No
26226	TraesCS5B03G0112400	1.17875	0.76353	No	No

26227	TraesCS5B03G0115500	0.88462	1.52936	No	No
26228	TraesCS5B03G0115700	0.76964	1.48987	No	No
26230	TraesCS5B03G0117500	1.60362	1.46877	UP	UP
26231	TraesCS5B03G0117800	0.46057	16.7887	Down	Up
26232	TraesCS5B03G0118800	0.93003	1.19966	No	No
26233	TraesCS5B03G0119400	0.67483	1.0219	No	No
26234	TraesCS5B03G0119400	0.7525	1.54442	No	No
26235	TraesCS5B03G0119800	0.99397	1.09156	No	No
26236	TraesCS5B03G0121600	1.46707	0.69347	No	No
26237	TraesCS5B03G0121600	0.94896	0.99605	Down	Down
26238	TraesCS5B03G0121900	0.83215	0.91826	Down	Down
26240	TraesCS5B03G0126500	1.36014	0.87077	No	No
26241	TraesCS5B03G0126600	1.12999	1.17466	UP	UP
26242	TraesCS5B03G0126700	1.03735	1.85382	UP	UP
26243	TraesCS5B03G0127200	0.68733	0.40524	Down	Down
26244	TraesCS5B03G0127700	1.2293	1.16496	UP	UP
26248	TraesCS5B03G0128600	0.76367	1.83178	No	No
26249	TraesCS5B03G0129600	0.91498	1.17347	No	No
26250	TraesCS5B03G0131100	0.8903	0.91074	Down	Down
26251	TraesCS5B03G0132700	0.7624	0.64527	Down	Down
26252	TraesCS5B03G0133700	1.43458	0.72197	No	No
26253	TraesCS5B03G0134100	0.9108	1.70077	No	No
26254	TraesCS5B03G0135100	1.22178	0.72459	No	No
26255	TraesCS5B03G0135300	1.10279	0.68243	No	No
26257	TraesCS5B03G0136400	1.6125	1.69431	UP	UP
26258	TraesCS5B03G0136700	0.70594	2.81335	Down	Up
26259	TraesCS5B03G0137600	2.17945	2.80938	Up	Up
26260	TraesCS5B03G0137900	1.05607	1.5936	UP	UP
26261	TraesCS5B03G0137900	1.56243	0.82977	No	No
26263	TraesCS5B03G0141600	3.4417	1.72371	Up	Up
26264	TraesCS5B03G0143300	0.59849	11.2229	Down	Up
26266	TraesCS5B03G0143600	0.93093	14.5443	Down	Up
26267	TraesCS5B03G0143700	0.72631	4.53439	Down	Up
26268	TraesCS5B03G0144000	0.58804	1.54871	No	No
26269	TraesCS5B03G0144100	1.51603	0.65883	No	No
26270	TraesCS5B03G0144300	0.85354	0.95844	Down	Down
26271	TraesCS5B03G0145000	1.53052	1.07251	UP	UP
26272	TraesCS5B03G0146200	0.79838	1.55783	No	No
26273	TraesCS5B03G0146200	1.0384	1.06646	UP	UP
26275	TraesCS5B03G0148700	1.36859	0.82256	No	No
26276	TraesCS5B03G0149300	0.87175	1.11939	No	No
26277	TraesCS5B03G0150800	1.33815	0.36088	Up	Down
26278	TraesCS5B03G0150900	0.83769	1.08191	No	No
26279	TraesCS5B03G0152100	0.81861	1.80703	No	No
26282	TraesCS5B03G0153400	0.84445	0.60323	Down	Down
26283	TraesCS5B03G0154000	0.92797	1.18533	No	No
26284	TraesCS5B03G0154500	0.78326	1.35032	No	No
26285	TraesCS5B03G0155000	0.85706	1.37571	No	No
26286	TraesCS5B03G0155100	0.89215	0.9584	Down	Down
26287	TraesCS5B03G0155300	1.73707	0.67955	No	No
26288	TraesCS5B03G0157600	1.40007	1.63429	UP	UP
26289	TraesCS5B03G0157900	1.06755	1.67878	UP	UP

26290	TraesCS5B03G0158500	0.13716	3.21743	Down	Up
26291	TraesCS5B03G0158600	0.17687	7.64091	Down	Up
26292	TraesCS5B03G0158900	0.19676	5.02015	Down	Up
26293	TraesCS5B03G0159700	0.90937	3.13929	Down	Up
26294	TraesCS5B03G0160200	1.07261	1.71049	UP	UP
26295	TraesCS5B03G0160300	0.80729	6.95405	Down	Up
26296	TraesCS5B03G0160300	0.81527	1.33269	No	No
26297	TraesCS5B03G0161300	0.86299	1.04805	No	No
26298	TraesCS5B03G0161500	0.8998	0.96083	Down	Down
26299	TraesCS5B03G0163100	0.80643	2.9411	Down	Up
26300	TraesCS5B03G0163500	0.70024	0.75747	Down	Down
26301	TraesCS5B03G0163700	0.92551	0.92874	Down	Down
26302	TraesCS5B03G0163800	1.46344	1.34106	UP	UP
26303	TraesCS5B03G0164200	0.86304	0.50663	Down	Down
26304	TraesCS5B03G0164300	0.9135	1.2136	No	No
26305	TraesCS5B03G0168800	1.40926	1.15419	UP	UP
26306	TraesCS5B03G0169300	0.87009	0.951	Down	Down
26307	TraesCS5B03G0169400	1.34666	0.44437	Up	Down
26308	TraesCS5B03G0169500	1.04368	1.15931	UP	UP
26309	TraesCS5B03G0169600	0.4422	0.3021	Down	Down
26310	TraesCS5B03G0169700	0.96625	0.91864	Down	Down
26313	TraesCS5B03G0171900	0.85647	1.56714	No	No
26315	TraesCS5B03G0173000	1.02517	3.16309	Up	Up
26316	TraesCS5B03G0173300	0.91066	1.21484	No	No
26317	TraesCS5B03G0175200	0.43845	4.04632	Down	Up
26318	TraesCS5B03G0175500	0.85311	1.03186	No	No
26319	TraesCS5B03G0175600	1.24621	1.15107	UP	UP
26320	TraesCS5B03G0175700	1.11427	1.3499	UP	UP
26322	TraesCS5B03G0176500	0.44078	0.88009	Down	Down
26323	TraesCS5B03G0176900	1.19398	0.91278	No	No
26324	TraesCS5B03G0177400	1.08949	2.32347	Up	Up
26327	TraesCS5B03G0181500	0.82519	0.35955	Down	Down
26329	TraesCS5B03G0184900	1.00088	0.92919	No	No
26330	TraesCS5B03G0185600	0.92123	0.79701	Down	Down
26331	TraesCS5B03G0185900	1.27058	1.50277	UP	UP
26332	TraesCS5B03G0186100	0.5601	0.75286	Down	Down
26333	TraesCS5B03G0186200	0.63375	1.48927	No	No
26334	TraesCS5B03G0186400	1.42478	1.21049	UP	UP
26335	TraesCS5B03G0187900	0.83591	1.21507	No	No
26336	TraesCS5B03G0188000	1.02199	0.97656	No	No
26337	TraesCS5B03G0188100	0.8358	1.75476	No	No
26338	TraesCS5B03G0189200	0.18784	1.54249	Down	Up
26339	TraesCS5B03G0189800	1.20649	1.36679	UP	UP
26341	TraesCS5B03G0191600	0.87073	1.15848	No	No
26342	TraesCS5B03G0191800	0.82188	1.84437	No	No
26344	TraesCS5B03G0192000	1.09954	0.68807	No	No
26345	TraesCS5B03G0192800	0.73965	1.95894	No	No
26346	TraesCS5B03G0193200	1.31289	0.44486	Up	Down
26347	TraesCS5B03G0193600	0.73586	0.65786	Down	Down
26348	TraesCS5B03G0194200	0.86867	1.17989	No	No
26350	TraesCS5B03G0194700	0.71779	0.33721	Down	Down
26351	TraesCS5B03G0195000	1.23301	1.24653	UP	UP

26352	TraesCS5B03G0195100	1.11426	0.54436	No	No
26353	TraesCS5B03G0195400	0.56205	3.36419	Down	Up
26354	TraesCS5B03G0196400	0.92609	0.59131	Down	Down
26355	TraesCS5B03G0196800	1.11554	1.41586	UP	UP
26356	TraesCS5B03G0196900	0.9661	2.47019	Down	Up
26357	TraesCS5B03G0197900	0.92236	0.91157	Down	Down
26358	TraesCS5B03G0199000	1.60789	1.51926	UP	UP
26359	TraesCS5B03G0199300	0.76752	1.23982	No	No
26361	TraesCS5B03G0199500	0.99444	1.47303	No	No
26365	TraesCS5B03G0202700	1.02061	0.92969	No	No
26366	TraesCS5B03G0202800	1.08179	0.97697	No	No
26368	TraesCS5B03G0204600	0.76436	2.52084	Down	Up
26369	TraesCS5B03G0205500	1.33177	1.1959	UP	UP
26370	TraesCS5B03G0205800	0.53931	2.52986	Down	Up
26371	TraesCS5B03G0206500	1.02295	1.85454	UP	UP
26372	TraesCS5B03G0206900	1.29114	0.54429	No	No
26373	TraesCS5B03G0207100	1.07075	3.15021	Up	Up
26374	TraesCS5B03G0207400	1.99626	1.05117	UP	UP
26375	TraesCS5B03G0207500	1.61029	0.52852	No	No
26376	TraesCS5B03G0208300	1.174	0.27118	Up	Down
26377	TraesCS5B03G0208500	0.68645	0.79079	Down	Down
26378	TraesCS5B03G0208600	1.67912	0.81857	No	No
26379	TraesCS5B03G0209100	0.77002	3.21233	Down	Up
26380	TraesCS5B03G0209300	1.35512	0.56311	No	No
26381	TraesCS5B03G0209400	1.28102	0.59771	No	No
26383	TraesCS5B03G0211000	1.15683	0.70813	No	No
26384	TraesCS5B03G0211200	1.31047	1.05767	UP	UP
26385	TraesCS5B03G0211300	0.73828	0.86005	Down	Down
26386	TraesCS5B03G0211600	0.99582	0.26835	Down	Down
26387	TraesCS5B03G0211800	0.90351	2.29261	Down	Up
26389	TraesCS5B03G0214300	1.03378	1.01754	UP	UP
26391	TraesCS5B03G0217200	1.2116	1.39138	UP	UP
26392	TraesCS5B03G0217900	1.02472	1.47035	UP	UP
26393	TraesCS5B03G0217900	0.85016	1.62223	No	No
26394	TraesCS5B03G0218100	0.81352	1.96462	No	No
26395	TraesCS5B03G0219100	0.77162	1.94829	No	No
26396	TraesCS5B03G0219400	1.40407	0.55034	No	No
26397	TraesCS5B03G0219400	0.72252	1.07798	No	No
26398	TraesCS5B03G0219600	0.8146	0.23165	Down	Down
26400	TraesCS5B03G0222100	1.05535	1.14937	UP	UP
26401	TraesCS5B03G0222400	0.72391	1.37612	No	No
26402	TraesCS5B03G0222900	1.35121	1.16726	UP	UP
26403	TraesCS5B03G0223000	0.6009	0.76572	Down	Down
26404	TraesCS5B03G0223200	0.61345	1.25509	No	No
26405	TraesCS5B03G0224000	1.11795	0.52801	No	No
26406	TraesCS5B03G0224600	0.95744	1.47272	No	No
26408	TraesCS5B03G0225400	2.20219	1.67423	Up	Up
26409	TraesCS5B03G0226100	1.01285	1.26525	UP	UP
26410	TraesCS5B03G0226200	0.68159	1.55649	No	No
26411	TraesCS5B03G0226300	0.99686	1.53536	No	No
26413	TraesCS5B03G0227100	0.92863	1.57303	No	No
26415	TraesCS5B03G0228000	1.12198	0.83534	No	No

26416	TraesCS5B03G0229600	0.97613	0.7454	Down	Down
26417	TraesCS5B03G0229800	0.95719	0.81058	Down	Down
26421	TraesCS5B03G0232700	1.34748	1.17056	UP	UP
26423	TraesCS5B03G0233400	1.14412	1.28155	UP	UP
26424	TraesCS5B03G0233900	0.93853	0.14491	Down	Down
26425	TraesCS5B03G0234300	1.17655	1.29669	UP	UP
26426	TraesCS5B03G0235100	0.95991	0.80803	Down	Down
26427	TraesCS5B03G0236100	1.32097	0.43623	Up	Down
26428	TraesCS5B03G0237000	2.13436	1.24334	Up	Up
26429	TraesCS5B03G0237900	1.05329	1.244	UP	UP
26430	TraesCS5B03G0238000	0.8695	2.28039	Down	Up
26431	TraesCS5B03G0238100	1.20013	0.95164	No	No
26432	TraesCS5B03G0239700	0.96267	1.1473	No	No
26433	TraesCS5B03G0239800	0.6554	1.21189	No	No
26434	TraesCS5B03G0240100	0.84433	6.23453	Down	Up
26435	TraesCS5B03G0240900	0.87423	1.32227	No	No
26437	TraesCS5B03G0241800	0.82299	0.48809	Down	Down
26438	TraesCS5B03G0242500	1.2807	1.23951	UP	UP
26439	TraesCS5B03G0243100	1.11332	1.49231	UP	UP
26440	TraesCS5B03G0243100	0.74019	1.23288	No	No
26441	TraesCS5B03G0243800	1.91797	1.97522	UP	UP
26442	TraesCS5B03G0246800	1.13374	1.2152	UP	UP
26443	TraesCS5B03G0248200	1.07249	0.97128	No	No
26444	TraesCS5B03G0248200	0.91863	1.19531	No	No
26445	TraesCS5B03G0249100	0.98046	0.67386	Down	Down
26446	TraesCS5B03G0249500	0.84992	2.14521	Down	Up
26447	TraesCS5B03G0249600	1.04327	1.10956	UP	UP
26448	TraesCS5B03G0250100	0.84719	0.74329	Down	Down
26451	TraesCS5B03G0253200	0.81494	1.40566	No	No
26452	TraesCS5B03G0253800	0.61854	0.93049	Down	Down
26453	TraesCS5B03G0254000	0.48585	8.09985	Down	Up
26454	TraesCS5B03G0254200	1.23051	2.00876	Up	Up
26455	TraesCS5B03G0254400	1.07699	1.30469	UP	UP
26456	TraesCS5B03G0254500	0.46764	0.5037	Down	Down
26457	TraesCS5B03G0255100	1.18268	1.49368	UP	UP
26458	TraesCS5B03G0255200	0.65577	0.97224	Down	Down
26459	TraesCS5B03G0255500	0.88124	1.09498	No	No
26460	TraesCS5B03G0255600	0.99384	1.2173	No	No
26461	TraesCS5B03G0255700	0.91402	1.9752	No	No
26462	TraesCS5B03G0256100	1.03225	1.04375	UP	UP
26464	TraesCS5B03G0256600	0.21637	0.18527	Down	Down
26465	TraesCS5B03G0257200	0.31763	0.85799	Down	Down
26466	TraesCS5B03G0257500	1.10856	1.90936	UP	UP
26467	TraesCS5B03G0257700	0.91223	1.81793	No	No
26468	TraesCS5B03G0258700	1.47532	0.63637	No	No
26469	TraesCS5B03G0258800	0.86837	1.2679	No	No
26470	TraesCS5B03G0258900	1.05327	0.94977	No	No
26471	TraesCS5B03G0259500	0.90258	0.56907	Down	Down
26472	TraesCS5B03G0260000	1.01135	1.01317	UP	UP
26473	TraesCS5B03G0260300	1.29621	0.58623	No	No
26474	TraesCS5B03G0260300	0.94324	1.24613	No	No
26475	TraesCS5B03G0260300	1.61061	0.26437	Up	Down

26476	TraesCS5B03G0260500	0.89543	0.61527	Down	Down
26477	TraesCS5B03G0260600	1.22013	4.18277	Up	Up
26478	TraesCS5B03G0260700	1.18688	1.43716	UP	UP
26480	TraesCS5B03G0262800	1.16402	0.16251	Up	Down
26481	TraesCS5B03G0263500	0.84649	0.42123	Down	Down
26482	TraesCS5B03G0264000	0.96741	1.50134	No	No
26483	TraesCS5B03G0264300	0.92344	0.84611	Down	Down
26484	TraesCS5B03G0264500	0.93958	1.06879	No	No
26485	TraesCS5B03G0265000	2.27112	1.21869	Up	Up
26486	TraesCS5B03G0265200	1.59828	1.81056	UP	UP
26487	TraesCS5B03G0267400	1.22427	0.65427	No	No
26488	TraesCS5B03G0268000	0.90885	0.97462	Down	Down
26489	TraesCS5B03G0268200	0.73187	1.01547	No	No
26490	TraesCS5B03G0268300	0.95591	3.8819	Down	Up
26491	TraesCS5B03G0268700	0.77537	1.84198	No	No
26492	TraesCS5B03G0268900	1.08779	0.20009	Up	Down
26493	TraesCS5B03G0269000	0.88579	0.85958	Down	Down
26494	TraesCS5B03G0269100	0.6917	1.10271	No	No
26496	TraesCS5B03G0270000	0.74295	1.31394	No	No
26497	TraesCS5B03G0270400	0.93242	1.31326	No	No
26498	TraesCS5B03G0270600	2.58638	0.32263	Up	Down
26501	TraesCS5B03G0271100	0.8961	1.04809	No	No
26503	TraesCS5B03G0271400	1.1738	1.42739	UP	UP
26504	TraesCS5B03G0271500	0.79651	0.5566	Down	Down
26506	TraesCS5B03G0272200	0.55794	1.12785	No	No
26507	TraesCS5B03G0272600	1.2815	1.05572	UP	UP
26508	TraesCS5B03G0273000	1.78666	0.72547	No	No
26509	TraesCS5B03G0273300	0.93228	0.64807	Down	Down
26510	TraesCS5B03G0273800	0.93135	1.36155	No	No
26511	TraesCS5B03G0274000	0.67966	1.7872	No	No
26512	TraesCS5B03G0274700	1.46831	0.42326	Up	Down
26513	TraesCS5B03G0274800	0.83521	0.70129	Down	Down
26514	TraesCS5B03G0275000	0.89364	0.62565	Down	Down
26515	TraesCS5B03G0275600	1.00388	0.58538	No	No
26516	TraesCS5B03G0276100	0.92967	1.43231	No	No
26518	TraesCS5B03G0277800	1.00258	1.57797	UP	UP
26520	TraesCS5B03G0279000	1.15301	0.97597	No	No
26521	TraesCS5B03G0279300	1.11959	1.02116	UP	UP
26522	TraesCS5B03G0280000	1.11065	0.86073	No	No
26523	TraesCS5B03G0280300	0.5565	1.41618	No	No
26524	TraesCS5B03G0282400	1.443	1.16595	UP	UP
26525	TraesCS5B03G0282600	0.87314	3.24954	Down	Up
26526	TraesCS5B03G0283200	0.85422	1.1311	No	No
26527	TraesCS5B03G0288500	1.16258	1.18026	UP	UP
26528	TraesCS5B03G0289800	0.93545	0.89177	Down	Down
26529	TraesCS5B03G0290000	0.98809	1.37981	No	No
26530	TraesCS5B03G0290500	0.88705	0.80844	Down	Down
26533	TraesCS5B03G0291100	0.97859	0.41754	Down	Down
26534	TraesCS5B03G0291400	0.68578	1.10929	No	No
26535	TraesCS5B03G0291700	0.74611	1.57324	No	No
26536	TraesCS5B03G0293000	1.35127	0.96981	No	No
26539	TraesCS5B03G0293400	1.34317	0.48302	Up	Down

26540	TraesCS5B03G0294300	0.92772	0.47176	Down	Down
26542	TraesCS5B03G0295300	1.00106	1.20108	UP	UP
26544	TraesCS5B03G0297300	1.64368	1.19907	UP	UP
26546	TraesCS5B03G0297500	0.73662	1.35106	No	No
26547	TraesCS5B03G0298600	1.1782	0.59871	No	No
26549	TraesCS5B03G0299500	1.46389	0.7864	No	No
26550	TraesCS5B03G0299900	0.97849	0.54894	Down	Down
26551	TraesCS5B03G0300400	1.43576	1.44232	UP	UP
26553	TraesCS5B03G0300800	0.9683	1.02709	No	No
26555	TraesCS5B03G0301900	0.99591	1.59812	No	No
26556	TraesCS5B03G0301900	0.84177	0.93448	Down	Down
26557	TraesCS5B03G0302200	1.28534	1.18708	UP	UP
26558	TraesCS5B03G0302300	1.34181	1.1741	UP	UP
26560	TraesCS5B03G0303100	1.04995	0.54387	No	No
26561	TraesCS5B03G0303900	0.99815	0.77886	Down	Down
26564	TraesCS5B03G0304700	0.72365	1.08785	No	No
26565	TraesCS5B03G0304900	0.7805	1.21	No	No
26566	TraesCS5B03G0305200	0.92098	0.80837	Down	Down
26567	TraesCS5B03G0306800	1.25366	1.4945	UP	UP
26568	TraesCS5B03G0307000	1.04947	1.19088	UP	UP
26569	TraesCS5B03G0307600	1.02785	0.81996	No	No
26570	TraesCS5B03G0308400	0.88991	1.15861	No	No
26571	TraesCS5B03G0308700	0.76	1.2354	No	No
26572	TraesCS5B03G0309500	1.10822	0.45446	Up	Down
26573	TraesCS5B03G0309800	1.01313	1.21205	UP	UP
26574	TraesCS5B03G0310900	0.92478	0.28221	Down	Down
26575	TraesCS5B03G0311100	1.35146	1.12946	UP	UP
26576	TraesCS5B03G0311400	0.8376	0.91684	Down	Down
26577	TraesCS5B03G0311700	0.69928	1.03557	No	No
26578	TraesCS5B03G0313800	0.88922	1.01488	No	No
26579	TraesCS5B03G0314000	0.65645	0.70558	Down	Down
26580	TraesCS5B03G0314500	0.93886	0.35911	Down	Down
26581	TraesCS5B03G0315800	1.00057	0.77884	No	No
26582	TraesCS5B03G0316000	0.81958	2.3735	Down	Up
26583	TraesCS5B03G0320300	1.02143	1.91742	UP	UP
26588	TraesCS5B03G0321900	0.77348	2.60382	Down	Up
26589	TraesCS5B03G0322100	0.96936	1.15289	No	No
26590	TraesCS5B03G0322400	0.73739	1.52945	No	No
26591	TraesCS5B03G0322500	1.10129	1.51533	UP	UP
26593	TraesCS5B03G0322800	1.12636	1.07373	UP	UP
26594	TraesCS5B03G0322900	0.76823	1.06893	No	No
26596	TraesCS5B03G0323800	0.77501	0.63975	Down	Down
26597	TraesCS5B03G0324000	0.8238	0.99007	Down	Down
26598	TraesCS5B03G0324200	1.13105	0.33442	Up	Down
26599	TraesCS5B03G0324400	0.75257	1.68462	No	No
26601	TraesCS5B03G0324700	1.45094	0.47051	Up	Down
26602	TraesCS5B03G0325000	1.17488	1.10593	UP	UP
26603	TraesCS5B03G0325300	0.74797	1.66172	No	No
26604	TraesCS5B03G0325500	1.0194	1.08518	UP	UP
26605	TraesCS5B03G0326800	0.73276	2.29246	Down	Up
26606	TraesCS5B03G0326900	1.00181	1.79559	UP	UP
26607	TraesCS5B03G0327100	0.30978	0.76998	Down	Down

26608	TraesCS5B03G0327200	1.54422	0.87181	No	No
26610	TraesCS5B03G0328400	0.75015	1.15544	No	No
26611	TraesCS5B03G0328800	0.77087	1.29558	No	No
26612	TraesCS5B03G0329700	0.70986	0.88056	Down	Down
26613	TraesCS5B03G0329800	0.82868	1.00464	No	No
26615	TraesCS5B03G0330400	0.43202	0.56668	Down	Down
26616	TraesCS5B03G0330600	0.82343	1.35246	No	No
26617	TraesCS5B03G0331400	1.03818	0.71789	No	No
26619	TraesCS5B03G0331800	1.07193	1.8612	UP	UP
26620	TraesCS5B03G0331900	1.21461	0.4685	Up	Down
26622	TraesCS5B03G0332700	2.24083	1.48563	Up	Up
26623	TraesCS5B03G0332700	1.9021	0.61478	No	No
26624	TraesCS5B03G0332800	0.54367	0.6998	Down	Down
26625	TraesCS5B03G0333200	0.98737	0.57256	Down	Down
26626	TraesCS5B03G0333900	0.93899	0.9952	Down	Down
26627	TraesCS5B03G0334600	1.02326	1.51556	UP	UP
26628	TraesCS5B03G0334700	0.94503	1.38882	No	No
26629	TraesCS5B03G0335700	1.25586	0.53698	No	No
26630	TraesCS5B03G0336200	1.094	0.71864	No	No
26631	TraesCS5B03G0337300	0.93744	1.13567	No	No
26632	TraesCS5B03G0337800	0.94779	1.31267	No	No
26633	TraesCS5B03G0337800	0.89538	0.78376	Down	Down
26636	TraesCS5B03G0338100	0.69299	0.84084	Down	Down
26637	TraesCS5B03G0338200	0.66137	2.23586	Down	Up
26638	TraesCS5B03G0338600	0.87607	2.01309	Down	Up
26639	TraesCS5B03G0338700	0.95592	0.46959	Down	Down
26640	TraesCS5B03G0339100	1.07275	0.49563	Up	Down
26641	TraesCS5B03G0340400	1.17514	0.4809	Up	Down
26642	TraesCS5B03G0340600	1.03292	0.99924	No	No
26643	TraesCS5B03G0341000	1.08826	1.11994	UP	UP
26644	TraesCS5B03G0341100	1.00727	1.05734	UP	UP
26645	TraesCS5B03G0341900	1.20903	1.19802	UP	UP
26646	TraesCS5B03G0342300	0.64823	1.11392	No	No
26647	TraesCS5B03G0343000	1.27692	2.47551	Up	Up
26648	TraesCS5B03G0343000	0.80832	2.46026	Down	Up
26649	TraesCS5B03G0343700	0.97273	0.9642	Down	Down
26650	TraesCS5B03G0343900	0.89115	1.41006	No	No
26651	TraesCS5B03G0346300	0.87035	0.71129	Down	Down
26652	TraesCS5B03G0346700	1.04063	0.30662	Up	Down
26653	TraesCS5B03G0347000	1.19192	3.36329	Up	Up
26654	TraesCS5B03G0347200	1.10873	0.65372	No	No
26657	TraesCS5B03G0349400	1.0391	1.49706	UP	UP
26658	TraesCS5B03G0351800	1.00423	0.64647	No	No
26659	TraesCS5B03G0352100	0.80706	1.17231	No	No
26661	TraesCS5B03G0352900	1.05634	1.98729	UP	UP
26662	TraesCS5B03G0353100	1.53852	0.79282	No	No
26668	TraesCS5B03G0357600	1.03097	1.13529	UP	UP
26670	TraesCS5B03G0357900	0.89997	0.73038	Down	Down
26673	TraesCS5B03G0359200	0.97383	0.72651	Down	Down
26674	TraesCS5B03G0360200	1.49864	1.65493	UP	UP
26675	TraesCS5B03G0361000	0.60521	0.69997	Down	Down
26676	TraesCS5B03G0361200	1.00261	0.79422	No	No

26677	TraesCS5B03G0361500	1.18589	0.53031	No	No
26678	TraesCS5B03G0361600	0.93654	1.78161	No	No
26679	TraesCS5B03G0361800	1.02219	1.80823	UP	UP
26680	TraesCS5B03G0361900	0.82215	1.35092	No	No
26681	TraesCS5B03G0362000	0.94334	1.07024	No	No
26682	TraesCS5B03G0363000	0.83897	0.61595	Down	Down
26684	TraesCS5B03G0363900	1.26355	0.86392	No	No
26685	TraesCS5B03G0364000	1.65501	1.13638	UP	UP
26686	TraesCS5B03G0364300	1.16321	0.89063	No	No
26688	TraesCS5B03G0364900	0.9109	1.18841	No	No
26689	TraesCS5B03G0365900	0.45775	0.92833	Down	Down
26690	TraesCS5B03G0366000	0.71866	1.30788	No	No
26691	TraesCS5B03G0366000	1.37856	2.30888	Up	Up
26692	TraesCS5B03G0366200	0.8351	0.30072	Down	Down
26694	TraesCS5B03G0366800	0.92954	0.70677	Down	Down
26695	TraesCS5B03G0367600	1.10593	1.12507	UP	UP
26696	TraesCS5B03G0369000	1.06481	0.4313	Up	Down
26697	TraesCS5B03G0369100	0.8797	0.96007	Down	Down
26698	TraesCS5B03G0369800	1.05367	0.9515	No	No
26699	TraesCS5B03G0370400	0.42242	2.33294	Down	Up
26701	TraesCS5B03G0370800	0.69524	0.89533	Down	Down
26703	TraesCS5B03G0371300	0.5569	0.40235	Down	Down
26704	TraesCS5B03G0371600	0.82337	1.23696	No	No
26711	TraesCS5B03G0374400	0.88879	0.33042	Down	Down
26712	TraesCS5B03G0374600	0.54475	1.95833	No	No
26713	TraesCS5B03G0374700	0.87502	1.14591	No	No
26714	TraesCS5B03G0374800	0.85896	1.56042	No	No
26715	TraesCS5B03G0375500	1.86598	0.64056	No	No
26716	TraesCS5B03G0378100	0.90331	1.20235	No	No
26717	TraesCS5B03G0378200	1.00141	1.12409	UP	UP
26718	TraesCS5B03G0378600	0.85334	0.81272	Down	Down
26719	TraesCS5B03G0378800	0.67333	0.9693	Down	Down
26720	TraesCS5B03G0379000	1.10667	1.06238	UP	UP
26721	TraesCS5B03G0379100	0.9394	1.31674	No	No
26722	TraesCS5B03G0379200	2.3798	0.89012	Up	Down
26723	TraesCS5B03G0379600	0.56895	3.78371	Down	Up
26728	TraesCS5B03G0384800	0.70737	1.24254	No	No
26730	TraesCS5B03G0386800	0.84973	0.78009	Down	Down
26731	TraesCS5B03G0386900	0.96566	1.09961	No	No
26732	TraesCS5B03G0387300	0.87854	3.56946	Down	Up
26733	TraesCS5B03G0387400	1.30691	1.24855	UP	UP
26735	TraesCS5B03G0387900	0.90935	2.0263	Down	Up
26737	TraesCS5B03G0388100	1.13121	1.31666	UP	UP
26738	TraesCS5B03G0388300	0.60677	0.71895	Down	Down
26739	TraesCS5B03G0388600	0.95554	1.16091	No	No
26740	TraesCS5B03G0388900	0.83277	0.95438	Down	Down
26741	TraesCS5B03G0389200	1.66847	1.14929	UP	UP
26742	TraesCS5B03G0389600	1.13932	0.94819	No	No
26743	TraesCS5B03G0390100	0.91151	2.84995	Down	Up
26744	TraesCS5B03G0390500	0.99313	0.5382	Down	Down
26745	TraesCS5B03G0390700	0.87116	0.85103	Down	Down
26746	TraesCS5B03G0391500	1.25342	0.59932	No	No

26747	TraesCS5B03G0391600	1.3421	0.80418	No	No
26748	TraesCS5B03G0392700	0.89041	1.16552	No	No
26752	TraesCS5B03G0393600	0.89776	1.18579	No	No
26753	TraesCS5B03G0393800	0.90657	1.32418	No	No
26754	TraesCS5B03G0393900	1.66348	0.6104	No	No
26755	TraesCS5B03G0394500	0.87109	1.74574	No	No
26757	TraesCS5B03G0395900	1.45456	0.85091	No	No
26759	TraesCS5B03G0397800	1.0778	1.57508	UP	UP
26760	TraesCS5B03G0398100	0.7904	0.65417	Down	Down
26761	TraesCS5B03G0398700	0.92773	1.79695	No	No
26762	TraesCS5B03G0398800	0.66975	2.39808	Down	Up
26763	TraesCS5B03G0399700	0.85845	1.29499	No	No
26765	TraesCS5B03G0400100	0.9506	1.40828	No	No
26766	TraesCS5B03G0400300	1.51654	0.92451	No	No
26767	TraesCS5B03G0400900	1.17772	0.54353	No	No
26768	TraesCS5B03G0403700	1.32885	0.23113	Up	Down
26769	TraesCS5B03G0405100	1.92674	0.78579	No	No
26770	TraesCS5B03G0406600	1.08814	1.36818	UP	UP
26771	TraesCS5B03G0406800	1.36219	1.62066	UP	UP
26772	TraesCS5B03G0407400	0.94806	0.78556	Down	Down
26773	TraesCS5B03G0407800	0.93538	1.64118	No	No
26774	TraesCS5B03G0408200	0.39601	1.14437	Down	Up
26775	TraesCS5B03G0408300	1.58777	0.52897	No	No
26776	TraesCS5B03G0408400	0.81049	0.65839	Down	Down
26777	TraesCS5B03G0408900	1.00912	0.8431	No	No
26778	TraesCS5B03G0409000	1.1651	1.36811	UP	UP
26779	TraesCS5B03G0409200	0.87165	1.11862	No	No
26780	TraesCS5B03G0409200	1.51395	0.51735	No	No
26781	TraesCS5B03G0411500	1.18136	0.23724	Up	Down
26782	TraesCS5B03G0411700	1.22001	1.19981	UP	UP
26783	TraesCS5B03G0412100	0.89464	1.69185	No	No
26784	TraesCS5B03G0413000	1.28725	0.63098	No	No
26785	TraesCS5B03G0413100	0.90688	0.68943	Down	Down
26786	TraesCS5B03G0413400	0.70371	2.24865	Down	Up
26787	TraesCS5B03G0414600	5.20521	1.56947	Up	Up
26788	TraesCS5B03G0414900	1.06595	0.84156	No	No
26789	TraesCS5B03G0415200	0.68243	1.33774	No	No
26790	TraesCS5B03G0415600	0.81707	1.82253	No	No
26791	TraesCS5B03G0415800	0.47595	3.06967	Down	Up
26792	TraesCS5B03G0416400	1.14111	1.01736	UP	UP
26793	TraesCS5B03G0416600	0.48729	0.87226	Down	Down
26794	TraesCS5B03G0416800	1.13405	0.92995	No	No
26795	TraesCS5B03G0417900	0.80691	1.7211	No	No
26796	TraesCS5B03G0418200	0.87044	1.7087	No	No
26797	TraesCS5B03G0418500	0.87236	0.74694	Down	Down
26798	TraesCS5B03G0419200	0.76017	0.82277	Down	Down
26799	TraesCS5B03G0419600	1.06627	0.26958	Up	Down
26800	TraesCS5B03G0419700	0.76514	1.69364	No	No
26801	TraesCS5B03G0419800	0.74098	1.22851	No	No
26802	TraesCS5B03G0420500	0.61741	0.35366	Down	Down
26803	TraesCS5B03G0420600	1.31681	2.9027	Up	Up
26806	TraesCS5B03G0422100	0.71682	0.91752	Down	Down

26807	TraesCS5B03G0422300	0.79944	1.78061	No	No
26808	TraesCS5B03G0422500	0.69753	1.0376	No	No
26810	TraesCS5B03G0422900	1.26142	1.15653	UP	UP
26811	TraesCS5B03G0423000	1.63858	0.91386	No	No
26812	TraesCS5B03G0423300	1.36502	0.91056	No	No
26813	TraesCS5B03G0423500	1.0995	1.27127	UP	UP
26814	TraesCS5B03G0423600	0.89971	1.67541	No	No
26817	TraesCS5B03G0424700	1.58745	1.34086	UP	UP
26818	TraesCS5B03G0425000	1.15834	1.01163	UP	UP
26819	TraesCS5B03G0425200	0.85561	0.94224	Down	Down
26820	TraesCS5B03G0425700	0.84384	0.74811	Down	Down
26821	TraesCS5B03G0427700	0.72308	0.76775	Down	Down
26822	TraesCS5B03G0427800	0.85174	1.39921	No	No
26824	TraesCS5B03G0428400	1.57331	1.1568	UP	UP
26825	TraesCS5B03G0428500	1.06558	0.68257	No	No
26826	TraesCS5B03G0428700	0.95443	0.70202	Down	Down
26827	TraesCS5B03G0429100	0.98626	1.67106	No	No
26828	TraesCS5B03G0429300	0.79861	0.56145	Down	Down
26829	TraesCS5B03G0429800	0.78934	1.06528	No	No
26832	TraesCS5B03G0430100	0.97164	0.63586	Down	Down
26833	TraesCS5B03G0430700	0.97466	0.60207	Down	Down
26834	TraesCS5B03G0431400	1.01537	1.09469	UP	UP
26835	TraesCS5B03G0432400	1.09385	1.0634	UP	UP
26836	TraesCS5B03G0432500	0.67949	1.86877	No	No
26837	TraesCS5B03G0432600	0.55447	0.98623	Down	Down
26839	TraesCS5B03G0432900	1.00761	1.92968	UP	UP
26840	TraesCS5B03G0433300	0.7648	1.18992	No	No
26841	TraesCS5B03G0433800	1.55744	1.36413	UP	UP
26842	TraesCS5B03G0433900	1.21183	1.21125	UP	UP
26843	TraesCS5B03G0434000	0.89373	1.19473	No	No
26844	TraesCS5B03G0434100	1.08855	1.32478	UP	UP
26845	TraesCS5B03G0434200	0.91956	1.6075	No	No
26846	TraesCS5B03G0434600	1.04324	1.08912	UP	UP
26849	TraesCS5B03G0435500	0.61986	1.36945	No	No
26850	TraesCS5B03G0435600	0.88345	0.89725	Down	Down
26851	TraesCS5B03G0435700	0.91198	1.4828	No	No
26852	TraesCS5B03G0435800	0.83587	2.60448	Down	Up
26853	TraesCS5B03G0436300	0.93719	1.81156	No	No
26855	TraesCS5B03G0437800	1.345	0.84422	No	No
26856	TraesCS5B03G0437900	0.89747	0.19161	Down	Down
26857	TraesCS5B03G0439500	0.81281	0.97695	Down	Down
26860	TraesCS5B03G0440300	1.02023	0.82668	No	No
26862	TraesCS5B03G0440500	1.13014	0.84716	No	No
26863	TraesCS5B03G0440800	0.90474	0.58456	Down	Down
26865	TraesCS5B03G0441400	0.82731	1.25291	No	No
26866	TraesCS5B03G0441800	1.18074	0.26592	Up	Down
26867	TraesCS5B03G0441900	0.98185	0.66718	Down	Down
26868	TraesCS5B03G0442000	1.09998	0.29808	Up	Down
26869	TraesCS5B03G0442100	1.20803	0.53229	No	No
26870	TraesCS5B03G0442200	1.10052	1.57841	UP	UP
26871	TraesCS5B03G0442700	1.12141	0.50606	No	No
26872	TraesCS5B03G0442800	0.82058	0.62385	Down	Down

26873	TraesCS5B03G0443500	0.59504	2.35433	Down	Up
26874	TraesCS5B03G0443700	1.65686	0.56732	No	No
26877	TraesCS5B03G0444300	1.1993	0.78473	No	No
26879	TraesCS5B03G0445000	3.41055	2.79506	Up	Up
26880	TraesCS5B03G0445100	0.7813	1.62677	No	No
26881	TraesCS5B03G0445200	0.86837	0.69848	Down	Down
26883	TraesCS5B03G0446400	1.12878	0.56027	No	No
26885	TraesCS5B03G0446700	0.57605	1.3355	No	No
26886	TraesCS5B03G0446900	1.60263	0.43907	Up	Down
26888	TraesCS5B03G0447300	0.88713	1.16146	No	No
26889	TraesCS5B03G0447500	0.67878	1.03391	No	No
26890	TraesCS5B03G0447700	1.21937	1.03614	UP	UP
26891	TraesCS5B03G0448000	0.7013	2.81861	Down	Up
26892	TraesCS5B03G0448700	0.61549	2.35396	Down	Up
26893	TraesCS5B03G0448800	0.72397	1.0292	No	No
26894	TraesCS5B03G0448900	0.53886	7.44016	Down	Up
26895	TraesCS5B03G0449100	0.89299	1.72029	No	No
26896	TraesCS5B03G0449400	1.13021	1.28689	UP	UP
26898	TraesCS5B03G0450500	0.9474	1.43129	No	No
26899	TraesCS5B03G0450700	0.92723	1.98512	No	No
26900	TraesCS5B03G0450800	0.79441	1.46047	No	No
26901	TraesCS5B03G0451100	0.62255	1.19692	No	No
26902	TraesCS5B03G0451200	1.28448	0.65069	No	No
26903	TraesCS5B03G0451700	0.90011	1.08916	No	No
26904	TraesCS5B03G0451800	0.81738	0.79477	Down	Down
26905	TraesCS5B03G0452800	1.04649	0.68782	No	No
26907	TraesCS5B03G0455100	0.99324	2.1473	Down	Up
26908	TraesCS5B03G0455200	1.24146	0.87934	No	No
26909	TraesCS5B03G0455500	0.84045	1.53271	No	No
26910	TraesCS5B03G0455700	1.1246	0.58623	No	No
26911	TraesCS5B03G0457300	1.07963	1.21588	UP	UP
26912	TraesCS5B03G0458500	0.84191	2.17897	Down	Up
26914	TraesCS5B03G0458700	1.04014	1.31668	UP	UP
26915	TraesCS5B03G0459400	0.67609	3.58229	Down	Up
26916	TraesCS5B03G0459800	1.24275	1.38954	UP	UP
26917	TraesCS5B03G0460100	0.91041	0.52655	Down	Down
26918	TraesCS5B03G0460200	0.81857	0.41648	Down	Down
26919	TraesCS5B03G0460500	1.06406	1.2309	UP	UP
26920	TraesCS5B03G0460600	1.04137	1.75207	UP	UP
26921	TraesCS5B03G0461000	0.72737	1.05016	No	No
26922	TraesCS5B03G0461100	0.94349	1.16182	No	No
26923	TraesCS5B03G0461200	0.87848	1.31891	No	No
26924	TraesCS5B03G0461900	0.99273	1.04338	No	No
26925	TraesCS5B03G0462200	1.19682	1.12064	UP	UP
26926	TraesCS5B03G0463400	0.8585	1.12789	No	No
26927	TraesCS5B03G0463700	0.67935	1.00379	No	No
26928	TraesCS5B03G0463900	0.95455	0.92438	Down	Down
26929	TraesCS5B03G0464000	0.60491	0.76008	Down	Down
26930	TraesCS5B03G0464200	0.85609	1.72127	No	No
26931	TraesCS5B03G0464500	0.91669	0.38378	Down	Down
26932	TraesCS5B03G0464600	1.37911	0.59602	No	No
26933	TraesCS5B03G0464900	1.23116	0.59965	No	No

26935	TraesCS5B03G0465700	0.73487	0.84717	Down	Down
26936	TraesCS5B03G0466300	0.96836	0.96949	Down	Down
26938	TraesCS5B03G0467900	0.59442	0.34728	Down	Down
26939	TraesCS5B03G0468100	0.99957	0.44273	Down	Down
26940	TraesCS5B03G0468200	0.95037	2.21283	Down	Up
26941	TraesCS5B03G0468500	1.23104	2.04209	Up	Up
26942	TraesCS5B03G0468800	0.99112	1.13053	No	No
26943	TraesCS5B03G0469200	0.49767	2.37745	Down	Up
26945	TraesCS5B03G0469600	1.03302	1.01126	UP	UP
26946	TraesCS5B03G0470100	1.02364	0.88943	No	No
26947	TraesCS5B03G0470200	1.05384	1.44781	UP	UP
26948	TraesCS5B03G0470600	0.98462	0.88658	Down	Down
26949	TraesCS5B03G0471300	1.06718	1.09196	UP	UP
26951	TraesCS5B03G0471500	2.08666	0.49841	Up	Down
26952	TraesCS5B03G0472600	0.91695	0.43354	Down	Down
26953	TraesCS5B03G0472900	1.32514	0.72377	No	No
26954	TraesCS5B03G0474200	0.79532	1.21502	No	No
26957	TraesCS5B03G0476800	1.0033	1.01167	UP	UP
26958	TraesCS5B03G0477600	0.87865	1.56505	No	No
26959	TraesCS5B03G0477800	0.87566	1.02271	No	No
26960	TraesCS5B03G0478600	0.75078	0.65418	Down	Down
26962	TraesCS5B03G0479000	1.72623	1.73099	UP	UP
26963	TraesCS5B03G0479800	0.90929	1.45221	No	No
26964	TraesCS5B03G0479900	1.12189	1.73346	UP	UP
26966	TraesCS5B03G0480300	1.09301	0.94383	No	No
26968	TraesCS5B03G0481000	0.84837	1.22518	No	No
26969	TraesCS5B03G0481800	0.9996	2.224	Down	Up
26970	TraesCS5B03G0482000	1.1694	1.0093	UP	UP
26971	TraesCS5B03G0482500	1.03157	0.7844	No	No
26973	TraesCS5B03G0482900	1.01438	0.99399	No	No
26976	TraesCS5B03G0483200	0.86638	1.28212	No	No
26977	TraesCS5B03G0483700	0.56984	2.87691	Down	Up
26978	TraesCS5B03G0483800	0.99629	1.24695	No	No
26979	TraesCS5B03G0483900	0.15483	14.7193	Down	Up
26980	TraesCS5B03G0485400	0.83107	1.53477	No	No
26982	TraesCS5B03G0486200	0.84501	0.65987	Down	Down
26983	TraesCS5B03G0487000	0.77576	2.30293	Down	Up
26984	TraesCS5B03G0487100	1.09878	1.06577	UP	UP
26988	TraesCS5B03G0489300	1.74872	1.92477	UP	UP
26989	TraesCS5B03G0490500	0.99559	5.5334	Down	Up
26990	TraesCS5B03G0490600	0.97343	3.98514	Down	Up
26991	TraesCS5B03G0490700	1.16676	1.43615	UP	UP
26992	TraesCS5B03G0490900	1.09525	0.76109	No	No
26993	TraesCS5B03G0491400	0.94732	1.20873	No	No
26994	TraesCS5B03G0491500	0.9159	1.15351	No	No
26995	TraesCS5B03G0492400	2.60955	0.78024	Up	Down
26996	TraesCS5B03G0492600	1.05624	1.16668	UP	UP
26997	TraesCS5B03G0493500	0.95828	0.99152	Down	Down
26998	TraesCS5B03G0493600	1.3279	6.5747	Up	Up
26999	TraesCS5B03G0493600	1.14382	1.09205	UP	UP
27000	TraesCS5B03G0493700	0.46024	5.47591	Down	Up
27001	TraesCS5B03G0493700	0.93524	6.27218	Down	Up

27002	TraesCS5B03G0493800	0.89221	2.45947	Down	Up
27003	TraesCS5B03G0494100	1.08358	2.38452	Up	Up
27005	TraesCS5B03G0495100	0.64311	0.79556	Down	Down
27006	TraesCS5B03G0495800	0.71772	2.10944	Down	Up
27007	TraesCS5B03G0495800	0.58524	1.33842	No	No
27008	TraesCS5B03G0495900	0.76974	1.18006	No	No
27009	TraesCS5B03G0498200	0.68487	0.72627	Down	Down
27010	TraesCS5B03G0498300	1.19702	1.37006	UP	UP
27011	TraesCS5B03G0498800	0.9706	1.02253	No	No
27013	TraesCS5B03G0499700	0.75615	1.08778	No	No
27014	TraesCS5B03G0499800	1.42933	1.29423	UP	UP
27015	TraesCS5B03G0500800	1.31199	1.23053	UP	UP
27016	TraesCS5B03G0501200	0.7796	0.58732	Down	Down
27017	TraesCS5B03G0501300	0.6835	0.80612	Down	Down
27018	TraesCS5B03G0501500	0.88735	0.92174	Down	Down
27019	TraesCS5B03G0501600	1.77765	0.43729	Up	Down
27020	TraesCS5B03G0501900	1.03401	0.88596	No	No
27021	TraesCS5B03G0502300	1.29543	0.939	No	No
27027	TraesCS5B03G0505900	1.10366	0.71825	No	No
27028	TraesCS5B03G0506000	1.0219	0.48824	Up	Down
27029	TraesCS5B03G0506200	1.37714	0.66571	No	No
27030	TraesCS5B03G0506500	1.2434	1.64098	UP	UP
27031	TraesCS5B03G0506900	0.92486	0.59779	Down	Down
27032	TraesCS5B03G0507700	0.91552	1.57259	No	No
27033	TraesCS5B03G0508100	0.72018	2.82977	Down	Up
27034	TraesCS5B03G0508500	0.92412	1.54523	No	No
27039	TraesCS5B03G0510600	0.86144	2.05798	Down	Up
27044	TraesCS5B03G0513600	0.6064	1.78731	No	No
27045	TraesCS5B03G0513800	1.65151	0.82786	No	No
27046	TraesCS5B03G0515200	1.26323	2.61787	Up	Up
27047	TraesCS5B03G0515300	0.8166	1.13819	No	No
27048	TraesCS5B03G0515600	0.58261	5.13927	Down	Up
27049	TraesCS5B03G0517700	0.93604	1.60015	No	No
27050	TraesCS5B03G0518300	0.98002	1.09767	No	No
27051	TraesCS5B03G0518700	0.90477	0.96833	Down	Down
27052	TraesCS5B03G0518900	0.90501	1.36675	No	No
27053	TraesCS5B03G0519100	0.97009	2.77245	Down	Up
27054	TraesCS5B03G0519100	0.57479	2.82482	Down	Up
27055	TraesCS5B03G0519400	0.71523	1.24047	No	No
27056	TraesCS5B03G0520100	0.93708	1.33803	No	No
27057	TraesCS5B03G0521000	0.97315	1.55341	No	No
27058	TraesCS5B03G0522000	1.14801	1.17522	UP	UP
27059	TraesCS5B03G0522300	1.19918	0.40457	Up	Down
27061	TraesCS5B03G0524300	0.88856	2.89263	Down	Up
27062	TraesCS5B03G0524300	1.32592	0.20764	Up	Down
27067	TraesCS5B03G0526300	0.43729	2.81228	Down	Up
27068	TraesCS5B03G0526500	1.11592	1.31995	UP	UP
27069	TraesCS5B03G0526700	0.68166	0.8043	Down	Down
27071	TraesCS5B03G0527200	0.79149	1.33906	No	No
27072	TraesCS5B03G0527800	0.78598	0.68459	Down	Down
27073	TraesCS5B03G0529700	0.96523	1.00684	No	No
27074	TraesCS5B03G0529800	0.91141	1.40856	No	No

27076	TraesCS5B03G0530200	0.95243	0.65914	Down	Down
27077	TraesCS5B03G0532700	0.98561	1.15436	No	No
27078	TraesCS5B03G0532900	0.80907	1.28185	No	No
27079	TraesCS5B03G0533100	1.05811	2.03503	Up	Up
27080	TraesCS5B03G0534000	1.07891	1.53074	UP	UP
27081	TraesCS5B03G0534700	0.89126	1.17533	No	No
27082	TraesCS5B03G0534900	0.79356	0.93493	Down	Down
27083	TraesCS5B03G0535200	1.18696	0.54556	No	No
27084	TraesCS5B03G0535500	0.96497	1.26568	No	No
27085	TraesCS5B03G0536100	0.9635	0.5525	Down	Down
27086	TraesCS5B03G0536300	0.93302	1.28111	No	No
27087	TraesCS5B03G0537500	1.06696	0.7155	No	No
27088	TraesCS5B03G0537500	1.71734	1.35539	UP	UP
27089	TraesCS5B03G0539000	1.14871	1.18019	UP	UP
27090	TraesCS5B03G0539100	1.63013	1.12562	UP	UP
27091	TraesCS5B03G0541700	1.23592	3.43294	Up	Up
27092	TraesCS5B03G0542200	0.94219	1.42833	No	No
27093	TraesCS5B03G0542400	1.07503	1.96484	UP	UP
27095	TraesCS5B03G0543800	0.7196	1.46232	No	No
27096	TraesCS5B03G0543900	1.17117	1.32268	UP	UP
27097	TraesCS5B03G0545000	0.83656	1.23692	No	No
27099	TraesCS5B03G0547100	0.29644	1.36914	Down	Up
27100	TraesCS5B03G0547200	0.8885	1.16621	No	No
27101	TraesCS5B03G0547300	0.97181	3.25493	Down	Up
27103	TraesCS5B03G0548200	1.20247	0.85304	No	No
27104	TraesCS5B03G0548300	1.30386	0.73209	No	No
27105	TraesCS5B03G0549200	1.13153	0.46045	Up	Down
27106	TraesCS5B03G0550100	0.7728	1.33205	No	No
27107	TraesCS5B03G0551500	0.93261	1.03227	No	No
27108	TraesCS5B03G0551600	0.98235	1.28546	No	No
27109	TraesCS5B03G0552100	0.86381	0.79008	Down	Down
27110	TraesCS5B03G0552600	1.29753	0.92609	No	No
27111	TraesCS5B03G0552800	0.7038	1.74854	No	No
27112	TraesCS5B03G0553900	0.84374	0.39663	Down	Down
27113	TraesCS5B03G0555300	0.82481	1.10586	No	No
27114	TraesCS5B03G0555700	0.22428	2.57375	Down	Up
27115	TraesCS5B03G0555800	0.16039	2.03275	Down	Up
27116	TraesCS5B03G0556000	1.03532	0.40255	Up	Down
27117	TraesCS5B03G0556100	0.91987	0.76958	Down	Down
27118	TraesCS5B03G0557100	1.07598	1.04637	UP	UP
27119	TraesCS5B03G0557200	1.33445	1.27022	UP	UP
27120	TraesCS5B03G0557400	0.83413	1.48128	No	No
27121	TraesCS5B03G0557600	1.35831	2.07514	Up	Up
27122	TraesCS5B03G0557800	2.0442	0.80595	Up	Down
27123	TraesCS5B03G0558500	0.91496	1.95332	No	No
27124	TraesCS5B03G0558600	0.60921	0.25113	Down	Down
27125	TraesCS5B03G0558600	0.78687	0.37772	Down	Down
27126	TraesCS5B03G0558700	0.87238	2.60843	Down	Up
27127	TraesCS5B03G0559100	0.76329	0.77562	Down	Down
27128	TraesCS5B03G0559300	0.97161	0.31113	Down	Down
27129	TraesCS5B03G0559900	0.51556	1.23226	No	No
27130	TraesCS5B03G0560200	0.65827	1.41586	No	No

27131	TraesCS5B03G0560600	0.92116	1.16063	No	No
27132	TraesCS5B03G0560700	1.43574	1.11237	UP	UP
27133	TraesCS5B03G0561600	0.69794	0.68841	Down	Down
27134	TraesCS5B03G0564600	0.91115	0.6486	Down	Down
27135	TraesCS5B03G0565000	0.87003	0.98565	Down	Down
27137	TraesCS5B03G0566500	0.57202	2.33588	Down	Up
27138	TraesCS5B03G0567200	1.08379	0.78122	No	No
27139	TraesCS5B03G0567900	1.29656	1.67775	UP	UP
27140	TraesCS5B03G0568100	0.72065	4.17719	Down	Up
27141	TraesCS5B03G0568600	0.85388	0.65398	Down	Down
27142	TraesCS5B03G0568900	0.9665	1.04532	No	No
27143	TraesCS5B03G0569600	1.45121	0.37605	Up	Down
27144	TraesCS5B03G0572700	0.93441	0.2893	Down	Down
27145	TraesCS5B03G0572900	1.40326	0.55784	No	No
27146	TraesCS5B03G0574000	0.85524	2.28756	Down	Up
27147	TraesCS5B03G0574200	0.35094	4.98252	Down	Up
27148	TraesCS5B03G0576800	0.73805	0.91754	Down	Down
27152	TraesCS5B03G0578100	1.70578	1.07381	UP	UP
27153	TraesCS5B03G0578500	0.69611	3.26368	Down	Up
27154	TraesCS5B03G0580600	0.90766	1.3816	No	No
27155	TraesCS5B03G0580700	0.86144	1.06456	No	No
27156	TraesCS5B03G0581000	0.89498	0.27585	Down	Down
27157	TraesCS5B03G0581100	1.14661	1.40356	UP	UP
27158	TraesCS5B03G0581900	1.26573	1.22027	UP	UP
27159	TraesCS5B03G0583200	1.18191	0.71871	No	No
27160	TraesCS5B03G0585700	1.23855	0.99239	No	No
27161	TraesCS5B03G0586300	0.69327	0.73475	Down	Down
27162	TraesCS5B03G0586400	0.79501	1.55391	No	No
27163	TraesCS5B03G0586500	1.00356	2.41306	Up	Up
27165	TraesCS5B03G0587800	0.24191	2.11306	Down	Up
27166	TraesCS5B03G0588200	0.59566	0.47404	Down	Down
27167	TraesCS5B03G0589000	0.57289	2.07377	Down	Up
27168	TraesCS5B03G0589800	0.12742	0.55351	Down	Down
27169	TraesCS5B03G0589900	0.23456	0.83398	Down	Down
27171	TraesCS5B03G0591000	0.85234	2.11651	Down	Up
27172	TraesCS5B03G0591100	0.74093	2.68488	Down	Up
27174	TraesCS5B03G0592100	4.04449	0.91278	Up	Down
27175	TraesCS5B03G0592300	7.30058	1.27425	Up	Up
27176	TraesCS5B03G0592600	0.84774	2.3031	Down	Up
27177	TraesCS5B03G0593100	0.95737	1.50643	No	No
27178	TraesCS5B03G0594500	0.9143	1.61549	No	No
27179	TraesCS5B03G0594900	1.09482	0.49694	Up	Down
27180	TraesCS5B03G0596300	1.57482	1.04154	UP	UP
27181	TraesCS5B03G0596400	0.753	0.89516	Down	Down
27182	TraesCS5B03G0596800	0.93466	1.2969	No	No
27183	TraesCS5B03G0596900	0.46757	1.2103	Down	Up
27184	TraesCS5B03G0597400	1.22762	0.44626	Up	Down
27185	TraesCS5B03G0597600	0.7836	1.30976	No	No
27186	TraesCS5B03G0598000	1.12966	1.21595	UP	UP
27187	TraesCS5B03G0598000	0.84437	1.2282	No	No
27188	TraesCS5B03G0598600	0.88111	1.99998	No	No
27189	TraesCS5B03G0599000	0.6682	10.8294	Down	Up

27190	TraesCS5B03G0599200	0.96962	0.45494	Down	Down
27191	TraesCS5B03G0599300	0.70125	0.1809	Down	Down
27192	TraesCS5B03G0599800	0.81537	1.02195	No	No
27193	TraesCS5B03G0600700	0.94351	0.63437	Down	Down
27194	TraesCS5B03G0600900	0.82545	3.39263	Down	Up
27195	TraesCS5B03G0601900	1.01763	0.54322	No	No
27197	TraesCS5B03G0605100	1.07138	1.78719	UP	UP
27198	TraesCS5B03G0605700	1.41652	2.29532	Up	Up
27199	TraesCS5B03G0606700	1.0563	0.84657	No	No
27200	TraesCS5B03G0607100	1.01821	2.69048	Up	Up
27201	TraesCS5B03G0607300	1.21934	1.25636	UP	UP
27203	TraesCS5B03G0608100	1.50448	0.45551	Up	Down
27204	TraesCS5B03G0608900	0.71691	0.74808	Down	Down
27205	TraesCS5B03G0609400	0.42667	2.15923	Down	Up
27206	TraesCS5B03G0609600	0.711	13.6221	Down	Up
27207	TraesCS5B03G0609700	0.98668	0.79622	Down	Down
27208	TraesCS5B03G0611200	1.5019	1.19049	UP	UP
27209	TraesCS5B03G0611500	1.05525	4.12236	Up	Up
27210	TraesCS5B03G0611600	0.85104	1.79953	No	No
27211	TraesCS5B03G0612000	1.52862	1.42922	UP	UP
27212	TraesCS5B03G0612100	1.36405	0.81397	No	No
27213	TraesCS5B03G0612500	0.95844	0.73837	Down	Down
27214	TraesCS5B03G0612600	1.65645	0.3476	Up	Down
27215	TraesCS5B03G0613000	0.99751	0.82305	Down	Down
27216	TraesCS5B03G0613100	1.15374	1.06275	UP	UP
27218	TraesCS5B03G0613900	1.05039	0.95566	No	No
27219	TraesCS5B03G0616000	0.83103	1.04212	No	No
27220	TraesCS5B03G0616600	0.75148	0.60691	Down	Down
27221	TraesCS5B03G0616600	0.89475	0.94335	Down	Down
27222	TraesCS5B03G0616800	1.68219	0.8314	No	No
27223	TraesCS5B03G0618800	2.1999	5.05939	Up	Up
27224	TraesCS5B03G0619800	1.38152	2.52365	Up	Up
27225	TraesCS5B03G0620900	1.31773	1.10832	UP	UP
27227	TraesCS5B03G0622500	0.81127	0.88004	Down	Down
27228	TraesCS5B03G0623600	0.92874	1.37122	No	No
27229	TraesCS5B03G0624300	0.89727	1.18326	No	No
27230	TraesCS5B03G0624400	0.39392	8.84327	Down	Up
27231	TraesCS5B03G0624800	0.85318	3.26573	Down	Up
27232	TraesCS5B03G0625500	0.89003	13.5552	Down	Up
27233	TraesCS5B03G0626000	0.82055	0.69657	Down	Down
27236	TraesCS5B03G0627500	0.6707	0.4852	Down	Down
27238	TraesCS5B03G0627800	1.13322	0.76922	No	No
27239	TraesCS5B03G0628100	0.69077	0.2865	Down	Down
27240	TraesCS5B03G0628300	0.84663	2.02632	Down	Up
27241	TraesCS5B03G0629500	1.0191	0.98342	No	No
27242	TraesCS5B03G0629700	0.8864	2.47574	Down	Up
27243	TraesCS5B03G0631800	0.79352	1.0154	No	No
27244	TraesCS5B03G0632300	1.50849	0.37308	Up	Down
27245	TraesCS5B03G0632300	1.50908	0.49687	Up	Down
27246	TraesCS5B03G0633500	0.73961	4.12276	Down	Up
27247	TraesCS5B03G0633600	1.21745	0.84719	No	No
27248	TraesCS5B03G0634200	0.44778	9.95308	Down	Up

27249	TraesCS5B03G0634900	0.9258	1.53991	No	No
27250	TraesCS5B03G0635000	1.28788	0.98157	No	No
27251	TraesCS5B03G0635100	0.91172	0.95195	Down	Down
27252	TraesCS5B03G0636300	1.68739	0.58769	No	No
27253	TraesCS5B03G0638100	0.69856	0.94937	Down	Down
27254	TraesCS5B03G0638400	1.15346	0.92477	No	No
27255	TraesCS5B03G0639400	0.8708	0.32264	Down	Down
27257	TraesCS5B03G0639800	0.77549	1.3019	No	No
27258	TraesCS5B03G0639900	1.26748	0.76069	No	No
27259	TraesCS5B03G0640500	0.70534	2.46675	Down	Up
27262	TraesCS5B03G0641700	0.44352	11.6109	Down	Up
27263	TraesCS5B03G0642900	0.74405	1.05133	No	No
27264	TraesCS5B03G0643500	1.39288	0.93176	No	No
27265	TraesCS5B03G0644500	0.91686	1.64147	No	No
27266	TraesCS5B03G0645400	0.63025	2.12502	Down	Up
27267	TraesCS5B03G0646100	0.68118	0.81002	Down	Down
27268	TraesCS5B03G0646900	1.16583	0.3792	Up	Down
27269	TraesCS5B03G0647800	1.22429	1.26829	UP	UP
27270	TraesCS5B03G0648200	0.77201	0.37231	Down	Down
27271	TraesCS5B03G0648300	1.00659	1.97588	UP	UP
27273	TraesCS5B03G0652900	0.71136	0.74684	Down	Down
27274	TraesCS5B03G0655000	3.00116	0.30327	Up	Down
27275	TraesCS5B03G0655400	0.75744	1.29401	No	No
27276	TraesCS5B03G0656000	0.94372	1.20928	No	No
27277	TraesCS5B03G0656100	0.85496	0.69066	Down	Down
27278	TraesCS5B03G0656600	0.67386	0.5577	Down	Down
27279	TraesCS5B03G0656900	1.32534	0.53801	No	No
27280	TraesCS5B03G0657400	1.10735	0.90249	No	No
27281	TraesCS5B03G0658200	0.67182	1.02004	No	No
27282	TraesCS5B03G0658200	1.46355	2.12966	Up	Up
27283	TraesCS5B03G0662600	1.0168	1.08734	UP	UP
27284	TraesCS5B03G0664900	0.97955	1.27128	No	No
27285	TraesCS5B03G0665000	0.90122	0.82473	Down	Down
27286	TraesCS5B03G0665100	0.85099	1.30071	No	No
27287	TraesCS5B03G0665400	0.74361	1.20595	No	No
27289	TraesCS5B03G0665700	1.01576	0.32442	Up	Down
27290	TraesCS5B03G0665800	0.83962	1.35198	No	No
27294	TraesCS5B03G0668000	1.10339	1.58208	UP	UP
27295	TraesCS5B03G0668100	0.71268	0.51337	Down	Down
27296	TraesCS5B03G0669400	0.93569	1.62979	No	No
27297	TraesCS5B03G0669800	0.78237	1.7743	No	No
27300	TraesCS5B03G0672200	1.07036	1.14665	UP	UP
27301	TraesCS5B03G0672800	0.6836	0.89315	Down	Down
27302	TraesCS5B03G0674100	0.88797	0.71606	Down	Down
27303	TraesCS5B03G0674300	1.43639	1.20185	UP	UP
27304	TraesCS5B03G0674700	1.05775	1.01869	UP	UP
27305	TraesCS5B03G0675300	0.57105	1.00393	No	No
27306	TraesCS5B03G0676600	0.90768	1.20683	No	No
27311	TraesCS5B03G0678600	1.00118	1.85037	UP	UP
27312	TraesCS5B03G0679200	0.59095	32.1897	Down	Up
27313	TraesCS5B03G0679400	0.68207	20.6128	Down	Up
27319	TraesCS5B03G0685300	1.17303	1.09878	UP	UP

27320	TraesCS5B03G0685500	1.07845	1.90516	UP	UP
27321	TraesCS5B03G0686100	0.86267	1.5936	No	No
27322	TraesCS5B03G0688500	0.82655	1.59466	No	No
27323	TraesCS5B03G0688600	1.5564	1.55266	UP	UP
27324	TraesCS5B03G0688700	1.16123	0.43559	Up	Down
27325	TraesCS5B03G0689500	1.1418	0.71772	No	No
27328	TraesCS5B03G0690300	0.7012	1.15627	No	No
27329	TraesCS5B03G0690700	1.13972	1.67131	UP	UP
27331	TraesCS5B03G0692000	0.83138	0.98517	Down	Down
27332	TraesCS5B03G0692200	0.81825	1.77723	No	No
27333	TraesCS5B03G0692500	1.38391	0.67462	No	No
27335	TraesCS5B03G0694100	0.91226	1.06326	No	No
27337	TraesCS5B03G0694400	1.04598	1.04531	UP	UP
27338	TraesCS5B03G0694600	0.3231	0.88176	Down	Down
27339	TraesCS5B03G0695000	0.8132	1.58883	No	No
27340	TraesCS5B03G0695200	1.0426	1.45114	UP	UP
27341	TraesCS5B03G0695600	0.98385	0.92863	Down	Down
27345	TraesCS5B03G0696900	0.87868	1.07442	No	No
27346	TraesCS5B03G0699800	0.65669	1.48328	No	No
27347	TraesCS5B03G0700400	1.30433	0.19077	Up	Down
27348	TraesCS5B03G0700500	0.55936	13.402	Down	Up
27349	TraesCS5B03G0701100	3.61766	2.24549	Up	Up
27350	TraesCS5B03G0701600	1.06149	0.27513	Up	Down
27351	TraesCS5B03G0701700	1.36744	1.19664	UP	UP
27352	TraesCS5B03G0702300	1.06854	1.49821	UP	UP
27353	TraesCS5B03G0702500	0.95101	0.21301	Down	Down
27354	TraesCS5B03G0703200	0.93946	1.11182	No	No
27355	TraesCS5B03G0704500	1.00532	0.27096	Up	Down
27357	TraesCS5B03G0707800	1.03066	0.91106	No	No
27359	TraesCS5B03G0708300	1.13229	0.71483	No	No
27360	TraesCS5B03G0708400	0.75362	1.75959	No	No
27362	TraesCS5B03G0708800	1.06978	1.45571	UP	UP
27363	TraesCS5B03G0710000	0.86011	1.88373	No	No
27365	TraesCS5B03G0710400	0.81836	1.56611	No	No
27366	TraesCS5B03G0710600	0.88297	1.47622	No	No
27367	TraesCS5B03G0710800	0.3453	4.93673	Down	Up
27368	TraesCS5B03G0711500	1.18469	0.87159	No	No
27369	TraesCS5B03G0712300	1.05809	0.83541	No	No
27370	TraesCS5B03G0713600	1.29127	0.21671	Up	Down
27371	TraesCS5B03G0713800	1.47098	1.39455	UP	UP
27372	TraesCS5B03G0714100	1.0416	1.09819	UP	UP
27373	TraesCS5B03G0714900	1.07333	1.24633	UP	UP
27374	TraesCS5B03G0715400	0.75073	1.85051	No	No
27375	TraesCS5B03G0715600	0.75435	0.72619	Down	Down
27376	TraesCS5B03G0715700	1.01762	0.62606	No	No
27377	TraesCS5B03G0715800	1.64146	0.62793	No	No
27378	TraesCS5B03G0718000	0.76866	1.16869	No	No
27381	TraesCS5B03G0720400	1.11129	2.23298	Up	Up
27382	TraesCS5B03G0720700	1.12151	2.20071	Up	Up
27383	TraesCS5B03G0721300	1.16547	0.76217	No	No
27384	TraesCS5B03G0722600	0.82602	1.00425	No	No
27385	TraesCS5B03G0722700	1.84328	0.19997	Up	Down

27386	TraesCS5B03G0722700	1.69037	0.47092	Up	Down
27387	TraesCS5B03G0722800	0.83517	0.94457	Down	Down
27388	TraesCS5B03G0723200	0.84068	2.05109	Down	Up
27389	TraesCS5B03G0723400	0.44211	6.01471	Down	Up
27390	TraesCS5B03G0725800	1.14523	0.63569	No	No
27391	TraesCS5B03G0726300	0.80828	1.61881	No	No
27392	TraesCS5B03G0728300	1.04916	0.83423	No	No
27393	TraesCS5B03G0728300	0.96645	0.95493	Down	Down
27394	TraesCS5B03G0728500	1.05988	1.25738	UP	UP
27395	TraesCS5B03G0730900	1.27692	0.40066	Up	Down
27396	TraesCS5B03G0731000	1.67157	1.10758	UP	UP
27397	TraesCS5B03G0732700	0.93335	1.35167	No	No
27398	TraesCS5B03G0733300	1.2743	0.65561	No	No
27399	TraesCS5B03G0734000	0.77974	1.02797	No	No
27400	TraesCS5B03G0734200	1.2117	1.07999	UP	UP
27401	TraesCS5B03G0734400	1.85268	4.0734	Up	Up
27402	TraesCS5B03G0735200	0.64243	8.61173	Down	Up
27403	TraesCS5B03G0735400	1.06158	1.39131	UP	UP
27404	TraesCS5B03G0735500	0.97738	1.24504	No	No
27405	TraesCS5B03G0736300	0.75618	1.09791	No	No
27406	TraesCS5B03G0737500	0.86955	3.61944	Down	Up
27407	TraesCS5B03G0737700	0.32047	3.12904	Down	Up
27408	TraesCS5B03G0738200	1.28492	0.98782	No	No
27409	TraesCS5B03G0741300	0.90923	0.57215	Down	Down
27411	TraesCS5B03G0741700	0.72894	0.98628	Down	Down
27412	TraesCS5B03G0742400	0.96676	2.09945	Down	Up
27413	TraesCS5B03G0744700	1.28573	1.67295	UP	UP
27414	TraesCS5B03G0745100	0.45342	1.35195	Down	Up
27416	TraesCS5B03G0747300	0.87008	1.20164	No	No
27417	TraesCS5B03G0750000	1.28292	0.97278	No	No
27418	TraesCS5B03G0750400	0.95124	0.72775	Down	Down
27419	TraesCS5B03G0750900	3.20014	0.1097	Up	Down
27420	TraesCS5B03G0751100	0.7915	0.93388	Down	Down
27422	TraesCS5B03G0751500	0.97207	1.49731	No	No
27423	TraesCS5B03G0751600	1.03003	1.80832	UP	UP
27424	TraesCS5B03G0753200	1.15757	1.71758	UP	UP
27425	TraesCS5B03G0753400	1.0761	0.7902	No	No
27426	TraesCS5B03G0753800	0.73491	1.51177	No	No
27427	TraesCS5B03G0754000	0.80311	1.22084	No	No
27428	TraesCS5B03G0754100	0.93957	0.81575	Down	Down
27429	TraesCS5B03G0754400	1.45371	1.67339	UP	UP
27430	TraesCS5B03G0755600	0.81161	0.86711	Down	Down
27431	TraesCS5B03G0756900	1.6168	1.31564	UP	UP
27432	TraesCS5B03G0758000	1.20654	0.69498	No	No
27433	TraesCS5B03G0758200	9.34731	0.54151	Up	Down
27434	TraesCS5B03G0758500	1.22447	0.95636	No	No
27435	TraesCS5B03G0759300	1.02965	8.42835	Up	Up
27436	TraesCS5B03G0759400	1.16065	1.48977	UP	UP
27437	TraesCS5B03G0759500	0.62729	0.84196	Down	Down
27438	TraesCS5B03G0759600	0.55181	3.82802	Down	Up
27439	TraesCS5B03G0760000	0.62852	0.65409	Down	Down
27440	TraesCS5B03G0760200	0.703	1.29873	No	No

27441	TraesCS5B03G0760300	1.71899	0.28902	Up	Down
27442	TraesCS5B03G0760500	0.93426	1.43444	No	No
27443	TraesCS5B03G0761400	0.51109	1.50539	No	No
27444	TraesCS5B03G0762500	1.00554	1.29839	UP	UP
27445	TraesCS5B03G0763000	0.79519	0.78529	Down	Down
27446	TraesCS5B03G0763900	1.05883	1.11141	UP	UP
27447	TraesCS5B03G0764800	1.31798	2.75773	Up	Up
27449	TraesCS5B03G0765100	0.59403	1.21325	No	No
27450	TraesCS5B03G0765300	0.88788	1.27632	No	No
27451	TraesCS5B03G0766300	0.90002	0.89328	Down	Down
27452	TraesCS5B03G0767900	0.81804	1.26916	No	No
27453	TraesCS5B03G0768000	1.18416	0.83076	No	No
27454	TraesCS5B03G0768100	0.89192	0.48959	Down	Down
27455	TraesCS5B03G0769100	0.81125	0.84133	Down	Down
27457	TraesCS5B03G0770700	1.49011	1.45973	UP	UP
27458	TraesCS5B03G0770800	0.9853	1.03006	No	No
27459	TraesCS5B03G0771800	0.83772	1.42464	No	No
27461	TraesCS5B03G0772200	1.0579	1.72696	UP	UP
27462	TraesCS5B03G0772500	1.14623	1.05735	UP	UP
27463	TraesCS5B03G0772600	0.81986	0.9099	Down	Down
27464	TraesCS5B03G0772900	0.76005	1.02576	No	No
27465	TraesCS5B03G0773300	0.69035	1.13179	No	No
27468	TraesCS5B03G0774900	0.92353	0.90395	Down	Down
27469	TraesCS5B03G0775000	1.83541	1.08519	UP	UP
27470	TraesCS5B03G0775000	1.78043	0.6779	No	No
27471	TraesCS5B03G0775000	1.08178	0.63702	No	No
27472	TraesCS5B03G0775100	0.88358	1.13851	No	No
27473	TraesCS5B03G0776000	0.92876	0.54211	Down	Down
27474	TraesCS5B03G0777400	0.7794	2.55439	Down	Up
27475	TraesCS5B03G0777800	0.54654	1.73702	No	No
27476	TraesCS5B03G0777900	1.01177	0.04364	Up	Down
27477	TraesCS5B03G0779000	1.09151	2.92556	Up	Up
27478	TraesCS5B03G0779500	3.27798	1.38821	Up	Up
27479	TraesCS5B03G0780100	1.13458	1.33763	UP	UP
27481	TraesCS5B03G0780600	1.03633	0.87659	No	No
27482	TraesCS5B03G0781200	0.58405	1.42122	No	No
27484	TraesCS5B03G0782500	1.08553	1.65326	UP	UP
27485	TraesCS5B03G0782600	1.33165	1.13807	UP	UP
27486	TraesCS5B03G0783000	0.87069	1.05063	No	No
27487	TraesCS5B03G0786300	0.92116	0.64613	Down	Down
27488	TraesCS5B03G0788300	0.76502	1.78456	No	No
27489	TraesCS5B03G0788700	0.93571	0.49823	Down	Down
27490	TraesCS5B03G0792800	6.31644	1.00589	Up	Up
27491	TraesCS5B03G0795200	0.79179	0.59573	Down	Down
27492	TraesCS5B03G0795200	1.28699	1.3113	UP	UP
27493	TraesCS5B03G0795300	0.67188	0.86185	Down	Down
27494	TraesCS5B03G0795400	1.35534	0.52045	No	No
27495	TraesCS5B03G0795900	0.97533	1.19473	No	No
27496	TraesCS5B03G0796800	0.93992	2.68019	Down	Up
27497	TraesCS5B03G0798100	0.60213	1.48973	No	No
27498	TraesCS5B03G0798700	1.06381	0.61481	No	No
27500	TraesCS5B03G0801700	0.71113	0.3262	Down	Down

27501	TraesCS5B03G0802000	0.60874	2.70868	Down	Up
27502	TraesCS5B03G0802300	0.76026	0.49381	Down	Down
27503	TraesCS5B03G0802900	0.76927	1.44797	No	No
27504	TraesCS5B03G0803400	0.82856	2.19543	Down	Up
27505	TraesCS5B03G0803500	0.20349	0.3752	Down	Down
27506	TraesCS5B03G0803700	0.83838	1.11725	No	No
27507	TraesCS5B03G0804000	2.06357	0.9437	Up	Down
27508	TraesCS5B03G0804600	0.97289	0.52884	Down	Down
27509	TraesCS5B03G0805000	1.39942	0.26528	Up	Down
27510	TraesCS5B03G0805100	2.7757	0.51668	Up	Down
27511	TraesCS5B03G0805900	1.30721	1.22438	UP	UP
27512	TraesCS5B03G0806200	1.05029	0.71944	No	No
27513	TraesCS5B03G0806300	1.64722	1.84938	UP	UP
27514	TraesCS5B03G0806400	0.84891	1.05166	No	No
27515	TraesCS5B03G0806600	0.98544	0.60042	Down	Down
27516	TraesCS5B03G0806700	0.64155	1.46601	No	No
27517	TraesCS5B03G0807100	1.32189	2.24299	Up	Up
27518	TraesCS5B03G0807300	0.77556	1.36817	No	No
27519	TraesCS5B03G0809500	0.68342	1.32395	No	No
27520	TraesCS5B03G0810300	0.71781	0.34579	Down	Down
27521	TraesCS5B03G0811000	1.08198	1.29478	UP	UP
27522	TraesCS5B03G0812100	0.38036	5.30488	Down	Up
27523	TraesCS5B03G0812200	1.60777	0.15888	Up	Down
27524	TraesCS5B03G0812300	1.23882	0.87404	No	No
27525	TraesCS5B03G0812500	1.07158	1.5923	UP	UP
27526	TraesCS5B03G0812700	0.89273	2.15277	Down	Up
27527	TraesCS5B03G0812900	0.4262	0.84224	Down	Down
27528	TraesCS5B03G0813400	1.03151	0.89507	No	No
27529	TraesCS5B03G0815100	0.64851	0.02421	Down	Down
27530	TraesCS5B03G0815900	0.89537	0.59898	Down	Down
27531	TraesCS5B03G0817700	1.02192	1.87306	UP	UP
27532	TraesCS5B03G0817900	0.77307	0.81723	Down	Down
27534	TraesCS5B03G0818900	1.01261	0.44765	Up	Down
27536	TraesCS5B03G0820300	1.15286	1.25833	UP	UP
27537	TraesCS5B03G0820400	0.96825	0.51208	Down	Down
27538	TraesCS5B03G0821400	0.69098	1.08181	No	No
27540	TraesCS5B03G0822600	1.26682	0.94912	No	No
27541	TraesCS5B03G0823900	1.13011	0.31571	Up	Down
27542	TraesCS5B03G0824000	2.98884	0.25796	Up	Down
27543	TraesCS5B03G0825400	0.93812	0.57512	Down	Down
27544	TraesCS5B03G0826800	0.82996	1.15709	No	No
27545	TraesCS5B03G0827800	1.13052	0.22771	Up	Down
27546	TraesCS5B03G0828900	1.61785	0.89853	No	No
27547	TraesCS5B03G0829400	0.73056	0.80795	Down	Down
27548	TraesCS5B03G0829500	0.72469	1.42435	No	No
27549	TraesCS5B03G0831200	0.64203	3.49052	Down	Up
27550	TraesCS5B03G0831900	1.3694	0.80783	No	No
27551	TraesCS5B03G0831900	1.21287	0.62977	No	No
27552	TraesCS5B03G0832300	0.79637	3.73352	Down	Up
27553	TraesCS5B03G0832800	1.05741	1.39424	UP	UP
27554	TraesCS5B03G0833600	0.98623	1.93865	No	No
27555	TraesCS5B03G0833900	0.99321	2.84299	Down	Up

27556	TraesCS5B03G0834500	0.88512	1.54786	No	No
27557	TraesCS5B03G0835000	1.08202	2.67789	Up	Up
27558	TraesCS5B03G0835100	1.35436	0.184	Up	Down
27559	TraesCS5B03G0835800	1.63792	1.97649	UP	UP
27560	TraesCS5B03G0837000	0.814	1.96286	No	No
27561	TraesCS5B03G0837100	0.69469	1.36167	No	No
27562	TraesCS5B03G0837400	0.71006	1.03197	No	No
27563	TraesCS5B03G0838300	0.77173	0.6914	Down	Down
27564	TraesCS5B03G0838800	0.80276	1.28298	No	No
27565	TraesCS5B03G0839200	1.0991	1.91595	UP	UP
27566	TraesCS5B03G0840000	0.73165	0.81665	Down	Down
27567	TraesCS5B03G0844300	1.34046	0.5376	No	No
27569	TraesCS5B03G0852300	0.97888	1.41714	No	No
27570	TraesCS5B03G0853600	1.20105	1.10553	UP	UP
27571	TraesCS5B03G0858000	0.67031	0.77372	Down	Down
27572	TraesCS5B03G0858100	0.80134	0.81201	Down	Down
27573	TraesCS5B03G0859900	0.87422	1.05618	No	No
27574	TraesCS5B03G0860700	0.75491	1.06936	No	No
27575	TraesCS5B03G0861500	0.99495	0.93356	Down	Down
27576	TraesCS5B03G0873500	0.8085	0.57457	Down	Down
27577	TraesCS5B03G0873700	1.12373	0.77653	No	No
27578	TraesCS5B03G0875800	1.17512	0.96871	No	No
27579	TraesCS5B03G0877500	1.15725	0.48654	Up	Down
27580	TraesCS5B03G0878300	1.54438	1.08567	UP	UP
27581	TraesCS5B03G0878900	1.06849	1.59722	UP	UP
27582	TraesCS5B03G0883700	1.02559	1.22343	UP	UP
27583	TraesCS5B03G0884400	0.39361	0.06583	Down	Down
27584	TraesCS5B03G0888500	0.58894	0.30962	Down	Down
27585	TraesCS5B03G0890500	1.23774	1.16532	UP	UP
27586	TraesCS5B03G0890600	0.967	0.29354	Down	Down
27588	TraesCS5B03G0893500	1.25397	0.6772	No	No
27589	TraesCS5B03G0893700	0.63347	1.09459	No	No
27590	TraesCS5B03G0893800	1.02588	0.96795	No	No
27591	TraesCS5B03G0894300	3.79124	3.75973	UP	UP
27592	TraesCS5B03G0895900	0.79982	0.29829	Down	Down
27593	TraesCS5B03G0896100	0.72283	2.1124	Down	Up
27594	TraesCS5B03G0896300	0.81057	3.57415	Down	Up
27595	TraesCS5B03G0899700	1.21928	0.51814	No	No
27596	TraesCS5B03G0900700	1.09607	2.08106	Up	Up
27597	TraesCS5B03G0901400	0.90892	0.6131	Down	Down
27599	TraesCS5B03G0902800	1.04377	1.47584	UP	UP
27600	TraesCS5B03G0902900	1.12946	0.74181	No	No
27601	TraesCS5B03G0903500	0.81702	3.49847	Down	Up
27602	TraesCS5B03G0903700	1.02928	0.98297	No	No
27603	TraesCS5B03G0904100	0.94554	1.99826	No	No
27604	TraesCS5B03G0904200	1.30877	0.43224	Up	Down
27605	TraesCS5B03G0904300	1.00011	0.63303	No	No
27606	TraesCS5B03G0904400	0.75549	1.56923	No	No
27607	TraesCS5B03G0904700	0.67306	1.43674	No	No
27608	TraesCS5B03G0905200	0.90963	1.26899	No	No
27609	TraesCS5B03G0907100	0.93284	1.13038	No	No
27610	TraesCS5B03G0908300	0.68658	1.41032	No	No

27611	TraesCS5B03G0908700	0.66803	2.66988	Down	Up
27612	TraesCS5B03G0909000	0.93457	0.79999	Down	Down
27613	TraesCS5B03G0909100	0.79629	1.78617	No	No
27614	TraesCS5B03G0909200	0.33271	0.44883	Down	Down
27615	TraesCS5B03G0909300	0.97646	1.97178	No	No
27616	TraesCS5B03G0909400	1.10585	1.65079	UP	UP
27617	TraesCS5B03G0910900	0.77385	1.06141	No	No
27618	TraesCS5B03G0911200	1.04514	1.43662	UP	UP
27619	TraesCS5B03G0911400	0.91619	1.97885	No	No
27620	TraesCS5B03G0911600	0.96397	1.70341	No	No
27621	TraesCS5B03G0913400	1.43033	2.26662	Up	Up
27622	TraesCS5B03G0914700	1.9067	1.22027	UP	UP
27624	TraesCS5B03G0915900	0.59206	1.51492	No	No
27625	TraesCS5B03G0916300	0.91557	0.92629	Down	Down
27626	TraesCS5B03G0918100	1.03333	1.61654	UP	UP
27627	TraesCS5B03G0918300	1.61297	1.04547	UP	UP
27628	TraesCS5B03G0919000	1.19865	1.25379	UP	UP
27629	TraesCS5B03G0919700	0.43621	0.81361	Down	Down
27630	TraesCS5B03G0922400	1.63388	0.69105	No	No
27631	TraesCS5B03G0923200	1.3053	0.98541	No	No
27632	TraesCS5B03G0923300	1.01567	0.56851	No	No
27633	TraesCS5B03G0925200	0.86266	1.95214	No	No
27635	TraesCS5B03G0926900	0.97884	0.8803	Down	Down
27636	TraesCS5B03G0929600	1.20558	0.25373	Up	Down
27637	TraesCS5B03G0930000	1.13011	1.56564	UP	UP
27639	TraesCS5B03G0933200	1.13853	0.79238	No	No
27640	TraesCS5B03G0933300	0.8521	1.64505	No	No
27641	TraesCS5B03G0934300	0.85663	0.80649	Down	Down
27642	TraesCS5B03G0935400	1.10952	2.85379	Up	Up
27643	TraesCS5B03G0935500	1.16884	4.05887	Up	Up
27644	TraesCS5B03G0935800	0.66767	3.50225	Down	Up
27645	TraesCS5B03G0936100	0.95211	1.44261	No	No
27647	TraesCS5B03G0936800	0.99652	1.68945	No	No
27649	TraesCS5B03G0937500	1.62303	0.6733	No	No
27650	TraesCS5B03G0937600	0.71659	1.28236	No	No
27651	TraesCS5B03G0937900	1.1703	1.63078	UP	UP
27652	TraesCS5B03G0938500	0.7933	2.3411	Down	Up
27653	TraesCS5B03G0938500	1.17261	3.56101	Up	Up
27654	TraesCS5B03G0938600	0.4126	1.04689	Down	Up
27655	TraesCS5B03G0938800	1.17052	0.70505	No	No
27656	TraesCS5B03G0939000	0.88626	1.34028	No	No
27657	TraesCS5B03G0939600	1.14252	1.286	UP	UP
27658	TraesCS5B03G0939900	0.67663	0.49928	Down	Down
27659	TraesCS5B03G0940500	0.49886	0.57915	Down	Down
27660	TraesCS5B03G0940500	2.15647	1.19133	Up	Up
27661	TraesCS5B03G0940800	0.88664	1.07333	No	No
27662	TraesCS5B03G0941500	0.71564	1.844	No	No
27664	TraesCS5B03G0942000	0.79558	1.1186	No	No
27665	TraesCS5B03G0942200	0.9469	2.84364	Down	Up
27666	TraesCS5B03G0942400	0.76214	0.62783	Down	Down
27667	TraesCS5B03G0942700	0.79381	1.34387	No	No
27668	TraesCS5B03G0942800	0.87827	1.66308	No	No

27669	TraesCS5B03G0942900	0.8651	0.90691	Down	Down
27670	TraesCS5B03G0943000	1.17185	2.40869	Up	Up
27671	TraesCS5B03G0943200	1.04372	1.0884	UP	UP
27672	TraesCS5B03G0944300	5.76545	0.90364	Up	Down
27673	TraesCS5B03G0944400	0.78807	1.50579	No	No
27674	TraesCS5B03G0944500	0.73835	2.42259	Down	Up
27675	TraesCS5B03G0945000	1.56427	0.90205	No	No
27676	TraesCS5B03G0945600	1.37826	1.02237	UP	UP
27677	TraesCS5B03G0946100	1.84963	1.45322	UP	UP
27678	TraesCS5B03G0946600	0.77302	1.20038	No	No
27679	TraesCS5B03G0947000	0.79279	0.68922	Down	Down
27680	TraesCS5B03G0948700	1.28498	0.85846	No	No
27681	TraesCS5B03G0948900	0.90197	1.44043	No	No
27683	TraesCS5B03G0951300	1.05242	1.11614	UP	UP
27684	TraesCS5B03G0951400	0.95103	2.12767	Down	Up
27685	TraesCS5B03G0951600	0.8122	0.96116	Down	Down
27686	TraesCS5B03G0952000	1.08605	0.39135	Up	Down
27688	TraesCS5B03G0952700	0.84507	1.3948	No	No
27689	TraesCS5B03G0952900	1.14184	0.48709	Up	Down
27690	TraesCS5B03G0953100	0.76388	0.28569	Down	Down
27691	TraesCS5B03G0953100	0.88381	0.45207	Down	Down
27692	TraesCS5B03G0955200	0.29301	0.20056	Down	Down
27693	TraesCS5B03G0955900	0.61457	0.31276	Down	Down
27694	TraesCS5B03G0956000	0.84092	0.69768	Down	Down
27695	TraesCS5B03G0956100	1.0631	0.90693	No	No
27696	TraesCS5B03G0956600	0.94039	1.73495	No	No
27697	TraesCS5B03G0956600	1.10204	1.27767	UP	UP
27698	TraesCS5B03G0957200	0.8739	1.94121	No	No
27700	TraesCS5B03G0960900	1.25918	1.29888	UP	UP
27701	TraesCS5B03G0961100	0.58433	1.25275	No	No
27702	TraesCS5B03G0961500	0.7975	1.12254	No	No
27703	TraesCS5B03G0961800	2.10895	1.59134	Up	Up
27704	TraesCS5B03G0962700	1.03217	1.60152	UP	UP
27705	TraesCS5B03G0965000	1.06102	0.97665	No	No
27706	TraesCS5B03G0967400	0.79929	1.27258	No	No
27707	TraesCS5B03G0967700	0.99092	0.99042	Down	Down
27708	TraesCS5B03G0968300	0.86981	1.04388	No	No
27709	TraesCS5B03G0969300	1.20114	0.30243	Up	Down
27710	TraesCS5B03G0969400	0.76147	2.33268	Down	Up
27711	TraesCS5B03G0973000	1.23553	1.83545	UP	UP
27712	TraesCS5B03G0973100	0.57036	0.53524	Down	Down
27714	TraesCS5B03G0973900	0.6804	1.02804	No	No
27715	TraesCS5B03G0974600	2.99976	0.71806	Up	Down
27716	TraesCS5B03G0975000	1.02435	0.92545	No	No
27717	TraesCS5B03G0975500	0.95524	2.65093	Down	Up
27718	TraesCS5B03G0976000	1.07777	11.3855	Up	Up
27719	TraesCS5B03G0976300	0.92707	1.08827	No	No
27720	TraesCS5B03G0976400	1.08196	0.56503	No	No
27721	TraesCS5B03G0976500	1.79416	1.27234	UP	UP
27723	TraesCS5B03G0976800	1.08366	0.50095	No	No
27724	TraesCS5B03G0976800	0.98539	0.25709	Down	Down
27725	TraesCS5B03G0977000	0.72919	1.13311	No	No

27726	TraesCS5B03G0977100	1.29317	0.20496	Up	Down
27727	TraesCS5B03G0978400	0.92636	0.9941	Down	Down
27728	TraesCS5B03G0978600	0.5634	1.45704	No	No
27729	TraesCS5B03G0978900	1.15643	1.07875	UP	UP
27730	TraesCS5B03G0979400	1.10696	0.76756	No	No
27731	TraesCS5B03G0981900	1.07566	0.63586	No	No
27732	TraesCS5B03G0982000	1.30998	1.01947	UP	UP
27733	TraesCS5B03G0982500	0.81508	1.40151	No	No
27735	TraesCS5B03G0983100	1.15362	0.53186	No	No
27736	TraesCS5B03G0983300	0.98718	1.2731	No	No
27737	TraesCS5B03G0983500	1.04266	1.08462	UP	UP
27739	TraesCS5B03G0984200	0.63356	1.17749	No	No
27740	TraesCS5B03G0985100	1.37658	0.63814	No	No
27741	TraesCS5B03G0985300	0.99052	0.66087	Down	Down
27742	TraesCS5B03G0985600	0.79729	3.24478	Down	Up
27743	TraesCS5B03G0985900	1.13617	1.61727	UP	UP
27744	TraesCS5B03G0986000	1.45831	0.65127	No	No
27745	TraesCS5B03G0986400	0.63096	2.34906	Down	Up
27746	TraesCS5B03G0986700	1.00917	2.96903	Up	Up
27747	TraesCS5B03G0987600	1.1306	1.78978	UP	UP
27748	TraesCS5B03G0987700	1.10242	0.94553	No	No
27749	TraesCS5B03G0987800	0.98813	1.67911	No	No
27750	TraesCS5B03G0988000	0.97247	1.12598	No	No
27751	TraesCS5B03G0988500	0.7133	1.33084	No	No
27752	TraesCS5B03G0988600	0.89888	1.16251	No	No
27753	TraesCS5B03G0988800	0.87891	1.53931	No	No
27754	TraesCS5B03G0989400	1.11005	1.01617	UP	UP
27755	TraesCS5B03G0992400	0.43305	16.9562	Down	Up
27757	TraesCS5B03G0992800	0.57662	2.07924	Down	Up
27758	TraesCS5B03G0992900	0.73891	0.53819	Down	Down
27759	TraesCS5B03G0993400	0.59111	0.89711	Down	Down
27760	TraesCS5B03G0993600	0.74415	3.0331	Down	Up
27761	TraesCS5B03G0993900	1.50369	0.96316	No	No
27762	TraesCS5B03G0994900	1.02874	1.10509	UP	UP
27763	TraesCS5B03G0995100	1.68062	0.64585	No	No
27764	TraesCS5B03G0995400	0.86172	0.68138	Down	Down
27765	TraesCS5B03G0995700	0.59875	2.29622	Down	Up
27766	TraesCS5B03G0998000	2.84226	0.56969	Up	Down
27767	TraesCS5B03G0998600	1.05916	0.64763	No	No
27768	TraesCS5B03G0998700	0.93081	0.51251	Down	Down
27769	TraesCS5B03G0998800	5.32782	0.36415	Up	Down
27770	TraesCS5B03G0998900	0.88309	1.63077	No	No
27771	TraesCS5B03G0999200	0.87918	1.02938	No	No
27772	TraesCS5B03G0999600	0.42045	7.45107	Down	Up
27773	TraesCS5B03G0999800	0.77152	1.105	No	No
27774	TraesCS5B03G1000000	0.64424	1.62522	No	No
27775	TraesCS5B03G1001100	1.26553	1.67012	UP	UP
27776	TraesCS5B03G1001200	0.70915	3.96645	Down	Up
27777	TraesCS5B03G1001300	0.90662	0.96224	Down	Down
27778	TraesCS5B03G1001400	1.18279	1.19582	UP	UP
27779	TraesCS5B03G1001600	1.23697	1.25873	UP	UP
27780	TraesCS5B03G1002000	0.82929	1.32702	No	No

27781	TraesCS5B03G1002300	1.12102	0.93583	No	No
27782	TraesCS5B03G1003500	0.89408	11.9375	Down	Up
27784	TraesCS5B03G1004100	1.4517	0.55417	No	No
27785	TraesCS5B03G1004200	0.91058	1.11101	No	No
27787	TraesCS5B03G1005000	1.49302	0.55813	No	No
27788	TraesCS5B03G1005000	1.38035	0.76519	No	No
27789	TraesCS5B03G1005000	2.13963	0.42674	Up	Down
27790	TraesCS5B03G1005700	0.85504	0.28338	Down	Down
27791	TraesCS5B03G1006400	0.85197	1.15349	No	No
27792	TraesCS5B03G1006500	1.02908	0.22578	Up	Down
27793	TraesCS5B03G1006600	0.84309	2.4561	Down	Up
27794	TraesCS5B03G1007200	1.91527	0.43565	Up	Down
27795	TraesCS5B03G1007500	0.64513	1.5541	No	No
27796	TraesCS5B03G1008000	1.0856	0.42083	Up	Down
27797	TraesCS5B03G1008500	0.82614	0.11403	Down	Down
27798	TraesCS5B03G1008600	1.00439	0.59421	No	No
27799	TraesCS5B03G1009000	0.81279	0.12828	Down	Down
27800	TraesCS5B03G1010300	0.92382	1.70471	No	No
27801	TraesCS5B03G1010400	0.75686	0.60206	Down	Down
27802	TraesCS5B03G1010800	1.0257	0.30312	Up	Down
27803	TraesCS5B03G1011200	1.07276	1.04285	UP	UP
27804	TraesCS5B03G1012800	1.16161	2.32348	Up	Up
27805	TraesCS5B03G1013900	0.58769	1.92642	No	No
27806	TraesCS5B03G1015300	0.63288	1.40522	No	No
27807	TraesCS5B03G1015400	1.31562	2.49217	Up	Up
27808	TraesCS5B03G1015500	1.05531	1.24944	UP	UP
27809	TraesCS5B03G1015700	0.82231	1.64474	No	No
27810	TraesCS5B03G1016200	0.83032	2.24897	Down	Up
27811	TraesCS5B03G1017200	0.90327	0.49934	Down	Down
27812	TraesCS5B03G1017400	1.00591	1.07428	UP	UP
27813	TraesCS5B03G1017600	1.19214	0.23402	Up	Down
27814	TraesCS5B03G1017700	0.82728	1.3091	No	No
27815	TraesCS5B03G1017900	1.03272	0.4689	Up	Down
27816	TraesCS5B03G1018200	0.70162	0.66426	Down	Down
27817	TraesCS5B03G1018300	1.40976	0.14768	Up	Down
27818	TraesCS5B03G1018400	1.08917	1.49804	UP	UP
27819	TraesCS5B03G1018500	0.92072	0.86988	Down	Down
27820	TraesCS5B03G1018800	0.63989	0.89138	Down	Down
27821	TraesCS5B03G1018900	0.89962	0.80499	Down	Down
27823	TraesCS5B03G1021600	0.921	0.62419	Down	Down
27824	TraesCS5B03G1021700	0.91296	1.04085	No	No
27825	TraesCS5B03G1022200	0.99831	0.86719	Down	Down
27827	TraesCS5B03G1026600	0.71307	1.74363	No	No
27829	TraesCS5B03G1027300	0.63731	1.8197	No	No
27830	TraesCS5B03G1028600	0.88387	0.21988	Down	Down
27831	TraesCS5B03G1031900	0.87828	1.11733	No	No
27832	TraesCS5B03G1032300	0.54232	1.59878	No	No
27834	TraesCS5B03G1033300	1.09608	2.19849	Up	Up
27835	TraesCS5B03G1033800	0.85789	1.40339	No	No
27836	TraesCS5B03G1033900	0.69622	1.01119	No	No
27837	TraesCS5B03G1034100	1.25169	2.83987	Up	Up
27838	TraesCS5B03G1034200	1.08997	0.33512	Up	Down

27839	TraesCS5B03G1035400	0.89891	1.2089	No	No
27841	TraesCS5B03G1035600	2.0252	1.40223	Up	Up
27842	TraesCS5B03G1036000	1.13648	2.20604	Up	Up
27843	TraesCS5B03G1036300	0.87928	0.67758	Down	Down
27844	TraesCS5B03G1041000	1.49906	0.11908	Up	Down
27846	TraesCS5B03G1042700	1.15693	1.2372	UP	UP
27847	TraesCS5B03G1047200	0.74871	1.59569	No	No
27848	TraesCS5B03G1047400	1.27023	0.63818	No	No
27850	TraesCS5B03G1049300	0.80056	1.50707	No	No
27851	TraesCS5B03G1049400	0.89945	0.89335	Down	Down
27852	TraesCS5B03G1050100	1.00124	1.03755	UP	UP
27853	TraesCS5B03G1050200	0.8319	0.62941	Down	Down
27854	TraesCS5B03G1050300	0.81621	1.49262	No	No
27855	TraesCS5B03G1050400	0.99097	1.3637	No	No
27856	TraesCS5B03G1050800	1.10588	1.24228	UP	UP
27857	TraesCS5B03G1051100	1.12399	0.16845	Up	Down
27859	TraesCS5B03G1051400	1.01168	2.23198	Up	Up
27860	TraesCS5B03G1052000	0.59825	3.46795	Down	Up
27861	TraesCS5B03G1052100	1.1454	0.44607	Up	Down
27863	TraesCS5B03G1052300	1.11858	0.60519	No	No
27865	TraesCS5B03G1052500	0.96654	0.85776	Down	Down
27866	TraesCS5B03G1053100	0.91168	0.19447	Down	Down
27867	TraesCS5B03G1054400	0.95246	1.20216	No	No
27868	TraesCS5B03G1054700	0.92174	1.57209	No	No
27869	TraesCS5B03G1054800	0.75343	8.48321	Down	Up
27870	TraesCS5B03G1054900	1.11695	1.74683	UP	UP
27871	TraesCS5B03G1055300	0.57849	1.57834	No	No
27872	TraesCS5B03G1055600	0.84461	1.35321	No	No
27873	TraesCS5B03G1055700	1.02042	0.66703	No	No
27874	TraesCS5B03G1055900	0.93774	23.4959	Down	Up
27875	TraesCS5B03G1056600	1.14644	1.22985	UP	UP
27877	TraesCS5B03G1057600	0.66338	6.51826	Down	Up
27878	TraesCS5B03G1059200	2.35649	0.73246	Up	Down
27879	TraesCS5B03G1059900	1.49177	1.25666	UP	UP
27880	TraesCS5B03G1060000	0.82835	2.54587	Down	Up
27883	TraesCS5B03G1060700	0.81608	1.18629	No	No
27884	TraesCS5B03G1061200	1.03037	0.599	No	No
27885	TraesCS5B03G1061300	0.9367	1.17348	No	No
27886	TraesCS5B03G1061400	0.64257	1.12711	No	No
27888	TraesCS5B03G1063400	1.25971	1.77965	UP	UP
27889	TraesCS5B03G1065400	1.00847	0.51587	No	No
27890	TraesCS5B03G1065600	0.6833	2.13517	Down	Up
27891	TraesCS5B03G1065600	0.7897	0.69183	Down	Down
27892	TraesCS5B03G1066200	0.96201	0.93943	Down	Down
27894	TraesCS5B03G1070800	0.4136	1.88849	Down	Up
27895	TraesCS5B03G1073800	2.11143	0.35135	Up	Down
27896	TraesCS5B03G1074000	0.6182	0.68251	Down	Down
27897	TraesCS5B03G1074100	0.71683	1.74709	No	No
27898	TraesCS5B03G1074600	0.79258	3.97362	Down	Up
27899	TraesCS5B03G1075500	1.10067	0.79256	No	No
27900	TraesCS5B03G1075600	0.70133	1.49161	No	No
27901	TraesCS5B03G1076000	1.28658	0.74764	No	No

27902	TraesCS5B03G1076100	0.8993	1.25327	No	No
27903	TraesCS5B03G1078600	0.97448	0.76519	Down	Down
27904	TraesCS5B03G1078800	0.80401	0.80002	Down	Down
27906	TraesCS5B03G1079200	0.90903	0.53016	Down	Down
27909	TraesCS5B03G1083200	0.90401	2.8112	Down	Up
27910	TraesCS5B03G1083400	0.56975	1.69842	No	No
27911	TraesCS5B03G1083700	0.87059	3.13534	Down	Up
27912	TraesCS5B03G1084300	0.5789	0.93594	Down	Down
27913	TraesCS5B03G1086300	0.99267	1.97738	No	No
27914	TraesCS5B03G1086600	1.5243	0.5049	No	No
27915	TraesCS5B03G1087100	0.93853	0.81409	Down	Down
27916	TraesCS5B03G1087800	0.09398	15.6611	Down	Up
27917	TraesCS5B03G1090800	1.07756	2.27915	Up	Up
27918	TraesCS5B03G1091000	1.26401	2.23997	Up	Up
27919	TraesCS5B03G1091700	0.9808	1.35648	No	No
27920	TraesCS5B03G1092500	1.01966	0.70949	No	No
27921	TraesCS5B03G1094500	1.01988	1.4626	UP	UP
27922	TraesCS5B03G1094600	0.91137	1.26462	No	No
27923	TraesCS5B03G1094700	0.86622	0.37668	Down	Down
27924	TraesCS5B03G1095000	0.9699	0.83905	Down	Down
27925	TraesCS5B03G1095000	0.62575	1.32311	No	No
27926	TraesCS5B03G1095100	1.20432	0.74391	No	No
27927	TraesCS5B03G1095400	1.00729	1.26265	UP	UP
27928	TraesCS5B03G1096300	0.63201	1.85529	No	No
27929	TraesCS5B03G1096700	0.64221	0.95434	Down	Down
27930	TraesCS5B03G1096800	1.08229	1.26161	UP	UP
27931	TraesCS5B03G1098800	0.86438	1.61766	No	No
27932	TraesCS5B03G1099800	0.78526	1.36537	No	No
27933	TraesCS5B03G1099900	0.78668	1.56873	No	No
27934	TraesCS5B03G1100300	0.81388	1.21848	No	No
27935	TraesCS5B03G1101100	0.97841	0.62717	Down	Down
27936	TraesCS5B03G1102000	1.12758	1.18936	UP	UP
27937	TraesCS5B03G1102300	1.04957	0.66741	No	No
27938	TraesCS5B03G1102900	0.93106	0.8811	Down	Down
27939	TraesCS5B03G1104200	0.88746	7.08871	Down	Up
27940	TraesCS5B03G1104500	1.01006	1.16544	UP	UP
27941	TraesCS5B03G1104800	0.63257	2.11558	Down	Up
27943	TraesCS5B03G1105500	1.26658	1.16395	UP	UP
27944	TraesCS5B03G1105600	0.86994	1.62647	No	No
27945	TraesCS5B03G1105600	0.91565	1.57055	No	No
27946	TraesCS5B03G1105700	0.88863	0.31812	Down	Down
27948	TraesCS5B03G1106900	0.87126	0.85342	Down	Down
27949	TraesCS5B03G1107300	0.97215	0.94781	Down	Down
27950	TraesCS5B03G1107500	1.15393	1.5324	UP	UP
27952	TraesCS5B03G1111600	1.13452	0.71286	No	No
27953	TraesCS5B03G1113700	1.9035	0.98335	No	No
27954	TraesCS5B03G1113800	0.47849	0.60296	Down	Down
27955	TraesCS5B03G1116800	0.49304	9.19481	Down	Up
27957	TraesCS5B03G1119000	0.81823	1.27723	No	No
27958	TraesCS5B03G1119400	0.86395	1.11834	No	No
27959	TraesCS5B03G1121200	1.45225	0.97547	No	No
27960	TraesCS5B03G1121300	1.00894	1.58438	UP	UP

27961	TraesCS5B03G1121600	0.24732	0.53863	Down	Down
27962	TraesCS5B03G1122000	1.21964	0.52696	No	No
27963	TraesCS5B03G1122900	0.81838	2.30882	Down	Up
27964	TraesCS5B03G1123000	0.93305	1.56187	No	No
27965	TraesCS5B03G1123600	0.76713	0.76173	Down	Down
27966	TraesCS5B03G1124100	0.55533	4.23316	Down	Up
27968	TraesCS5B03G1126500	1.19403	0.92126	No	No
27969	TraesCS5B03G1127800	0.75668	0.8071	Down	Down
27970	TraesCS5B03G1128300	1.03839	1.22256	UP	UP
27971	TraesCS5B03G1131500	0.88115	0.71023	Down	Down
27972	TraesCS5B03G1131600	0.68047	8.25718	Down	Up
27973	TraesCS5B03G1132900	0.56274	1.35415	No	No
27974	TraesCS5B03G1134500	1.017	1.96191	UP	UP
27975	TraesCS5B03G1134600	0.52781	8.67321	Down	Up
27976	TraesCS5B03G1135100	1.40325	0.611	No	No
27977	TraesCS5B03G1136200	0.83291	2.68129	Down	Up
27978	TraesCS5B03G1136300	0.30825	17.1189	Down	Up
27979	TraesCS5B03G1136500	0.34792	20.7838	Down	Up
27980	TraesCS5B03G1136800	0.31394	13.6899	Down	Up
27981	TraesCS5B03G1137400	0.64101	0.49581	Down	Down
27982	TraesCS5B03G1137700	0.93968	2.08201	Down	Up
27983	TraesCS5B03G1137900	0.87432	1.78002	No	No
27984	TraesCS5B03G1138200	0.99023	0.49774	Down	Down
27985	TraesCS5B03G1138900	0.92717	0.89295	Down	Down
27986	TraesCS5B03G1139000	0.95944	0.91438	Down	Down
27987	TraesCS5B03G1139400	1.58559	1.39995	UP	UP
27988	TraesCS5B03G1139900	0.87952	0.78988	Down	Down
27989	TraesCS5B03G1140100	0.97869	2.16689	Down	Up
27990	TraesCS5B03G1140200	0.74061	1.65528	No	No
27991	TraesCS5B03G1140300	1.06776	1.60672	UP	UP
27992	TraesCS5B03G1140300	1.31478	3.12863	Up	Up
27994	TraesCS5B03G1141800	1.24048	1.48354	UP	UP
27995	TraesCS5B03G1142900	1.64454	1.18515	UP	UP
27996	TraesCS5B03G1142900	1.57082	1.12188	UP	UP
27997	TraesCS5B03G1143000	0.66451	0.19044	Down	Down
27999	TraesCS5B03G1147000	0.64465	1.11556	No	No
28000	TraesCS5B03G1147500	1.0368	0.4629	Up	Down
28001	TraesCS5B03G1148100	1.16684	1.62998	UP	UP
28002	TraesCS5B03G1149100	0.89036	1.08808	No	No
28003	TraesCS5B03G1149300	1.36394	0.93037	No	No
28004	TraesCS5B03G1149400	1.11203	1.2989	UP	UP
28005	TraesCS5B03G1149900	0.79239	3.01335	Down	Up
28006	TraesCS5B03G1150100	0.93756	1.74665	No	No
28007	TraesCS5B03G1150200	0.79399	0.9998	Down	Down
28008	TraesCS5B03G1150400	0.89596	1.37472	No	No
28009	TraesCS5B03G1151300	0.95185	0.90023	Down	Down
28011	TraesCS5B03G1152600	0.95792	0.83798	Down	Down
28012	TraesCS5B03G1153300	0.66748	1.6239	No	No
28013	TraesCS5B03G1153400	1.29073	1.85261	UP	UP
28014	TraesCS5B03G1153500	0.9469	0.30071	Down	Down
28016	TraesCS5B03G1159600	1.1277	2.42203	Up	Up
28017	TraesCS5B03G1160100	2.11357	0.44085	Up	Down

28018	TraesCS5B03G1160800	1.3178	1.64199	UP	UP
28019	TraesCS5B03G1160900	1.08585	0.53377	No	No
28020	TraesCS5B03G1164500	0.72311	1.64323	No	No
28021	TraesCS5B03G1164600	0.66917	1.71066	No	No
28022	TraesCS5B03G1164900	1.01216	1.63928	UP	UP
28024	TraesCS5B03G1166800	0.86198	0.48781	Down	Down
28025	TraesCS5B03G1167500	0.95271	0.68804	Down	Down
28026	TraesCS5B03G1167600	1.32034	0.8937	No	No
28027	TraesCS5B03G1167700	0.8382	0.21896	Down	Down
28028	TraesCS5B03G1168000	0.90848	1.8161	No	No
28029	TraesCS5B03G1168100	0.84262	0.84187	Down	Down
28030	TraesCS5B03G1168200	0.70115	1.08272	No	No
28031	TraesCS5B03G1168400	0.86239	3.11792	Down	Up
28032	TraesCS5B03G1168500	0.74378	1.0061	No	No
28033	TraesCS5B03G1170400	1.45319	0.83782	No	No
28034	TraesCS5B03G1170700	0.91001	1.0399	No	No
28035	TraesCS5B03G1172100	0.78104	0.95488	Down	Down
28036	TraesCS5B03G1172400	2.15399	1.88872	UP	UP
28037	TraesCS5B03G1172800	0.75858	2.25237	Down	Up
28038	TraesCS5B03G1172900	0.67609	0.47125	Down	Down
28039	TraesCS5B03G1173100	1.47955	0.79751	No	No
28040	TraesCS5B03G1173200	1.04096	1.25799	UP	UP
28042	TraesCS5B03G1173800	1.71967	1.85132	UP	UP
28043	TraesCS5B03G1173900	0.98352	1.23316	No	No
28044	TraesCS5B03G1174100	0.63282	1.61447	No	No
28045	TraesCS5B03G1175000	0.68259	0.70318	Down	Down
28046	TraesCS5B03G1176600	0.84893	1.0404	No	No
28047	TraesCS5B03G1180800	0.96802	0.3895	Down	Down
28048	TraesCS5B03G1181700	9.37895	1.32989	Up	Up
28049	TraesCS5B03G1181900	1.30525	1.64201	UP	UP
28050	TraesCS5B03G1182100	1.72934	1.24443	UP	UP
28051	TraesCS5B03G1182200	0.73833	1.13384	No	No
28052	TraesCS5B03G1182300	1.28083	1.28016	UP	UP
28053	TraesCS5B03G1183400	0.72183	1.42584	No	No
28054	TraesCS5B03G1183600	0.8397	1.71181	No	No
28055	TraesCS5B03G1183900	1.11278	0.45506	Up	Down
28056	TraesCS5B03G1184100	1.15994	2.03081	Up	Up
28057	TraesCS5B03G1184600	1.15945	1.03948	UP	UP
28058	TraesCS5B03G1186000	1.111	1.04708	UP	UP
28060	TraesCS5B03G1186500	0.60256	2.51398	Down	Up
28061	TraesCS5B03G1187300	0.51756	1.40188	No	No
28063	TraesCS5B03G1188000	0.72323	0.21824	Down	Down
28064	TraesCS5B03G1189100	1.19465	0.27817	Up	Down
28065	TraesCS5B03G1189200	0.50109	0.47376	Down	Down
28066	TraesCS5B03G1189700	0.98327	1.93359	No	No
28067	TraesCS5B03G1190100	0.34004	0.5079	Down	Down
28068	TraesCS5B03G1190200	0.91977	1.51366	No	No
28070	TraesCS5B03G1193100	0.636	7.36072	Down	Up
28071	TraesCS5B03G1193500	0.90155	1.20521	No	No
28074	TraesCS5B03G1194700	0.98148	1.07466	No	No
28075	TraesCS5B03G1195500	1.25139	0.68312	No	No
28076	TraesCS5B03G1196000	1.09694	1.02275	UP	UP

28078	TraesCS5B03G1198300	0.7603	0.78671	Down	Down
28079	TraesCS5B03G1199500	0.93273	1.5544	No	No
28080	TraesCS5B03G1199600	1.16728	0.64759	No	No
28081	TraesCS5B03G1200400	1.18629	0.81288	No	No
28082	TraesCS5B03G1201300	0.83927	0.96405	Down	Down
28083	TraesCS5B03G1201600	1.34726	0.71138	No	No
28084	TraesCS5B03G1202300	0.67944	2.17965	Down	Up
28086	TraesCS5B03G1204200	0.87709	1.60902	No	No
28087	TraesCS5B03G1204400	1.48014	0.66735	No	No
28088	TraesCS5B03G1204900	0.78069	0.23808	Down	Down
28089	TraesCS5B03G1205400	0.86143	1.29936	No	No
28090	TraesCS5B03G1207600	0.78669	1.18236	No	No
28091	TraesCS5B03G1208400	0.58683	1.2789	No	No
28092	TraesCS5B03G1209200	0.82338	1.53114	No	No
28093	TraesCS5B03G1211100	0.96057	0.84594	Down	Down
28094	TraesCS5B03G1211600	0.71278	1.85132	No	No
28095	TraesCS5B03G1212500	0.96872	1.1856	No	No
28096	TraesCS5B03G1212800	0.87793	0.657	Down	Down
28097	TraesCS5B03G1212900	0.70723	1.1968	No	No
28098	TraesCS5B03G1213000	0.99189	0.43568	Down	Down
28099	TraesCS5B03G1213200	0.74497	0.79429	Down	Down
28100	TraesCS5B03G1214700	0.53392	1.48851	No	No
28102	TraesCS5B03G1215400	0.96143	0.44002	Down	Down
28103	TraesCS5B03G1216000	0.72493	1.87047	No	No
28104	TraesCS5B03G1217300	0.84209	0.35333	Down	Down
28105	TraesCS5B03G1217600	0.76764	1.60249	No	No
28106	TraesCS5B03G1217900	1.35702	2.94144	Up	Up
28107	TraesCS5B03G1218100	1.07871	1.00625	UP	UP
28108	TraesCS5B03G1219000	1.2377	0.91458	No	No
28109	TraesCS5B03G1219100	1.30976	0.85049	No	No
28110	TraesCS5B03G1220000	0.96008	0.72036	Down	Down
28111	TraesCS5B03G1221400	0.81837	0.3344	Down	Down
28112	TraesCS5B03G1221500	0.97071	1.31608	No	No
28113	TraesCS5B03G1225300	0.94585	1.55604	No	No
28114	TraesCS5B03G1225400	1.19123	0.79892	No	No
28115	TraesCS5B03G1225800	1.17541	1.06167	UP	UP
28117	TraesCS5B03G1226100	0.70872	1.24871	No	No
28119	TraesCS5B03G1227900	1.05049	1.42154	UP	UP
28120	TraesCS5B03G1228100	0.99213	0.32301	Down	Down
28121	TraesCS5B03G1230200	0.99518	1.14882	No	No
28122	TraesCS5B03G1230300	0.87548	1.97054	No	No
28123	TraesCS5B03G1230400	1.24913	1.88157	UP	UP
28124	TraesCS5B03G1230500	0.9348	3.55708	Down	Up
28126	TraesCS5B03G1233000	1.23525	1.42006	UP	UP
28127	TraesCS5B03G1234900	0.94251	0.84761	Down	Down
28128	TraesCS5B03G1235200	0.77355	0.93066	Down	Down
28129	TraesCS5B03G1235300	1.02404	2.4095	Up	Up
28130	TraesCS5B03G1235400	0.80585	1.22814	No	No
28131	TraesCS5B03G1235600	0.54955	0.72117	Down	Down
28132	TraesCS5B03G1237200	0.77051	1.03448	No	No
28133	TraesCS5B03G1237300	0.58504	1.86377	No	No
28134	TraesCS5B03G1237400	0.91648	0.81123	Down	Down

28135	TraesCS5B03G1238000	0.81252	1.04721	No	No
28136	TraesCS5B03G1238100	0.88324	1.31235	No	No
28137	TraesCS5B03G1239500	0.83871	0.7842	Down	Down
28138	TraesCS5B03G1239900	0.74641	1.1543	No	No
28139	TraesCS5B03G1240200	0.933	0.80227	Down	Down
28140	TraesCS5B03G1240600	0.82336	0.96312	Down	Down
28141	TraesCS5B03G1243200	0.8994	1.22687	No	No
28142	TraesCS5B03G1244700	0.92133	1.99387	No	No
28143	TraesCS5B03G1244800	0.32452	2.35436	Down	Up
28144	TraesCS5B03G1245100	0.70656	0.84859	Down	Down
28145	TraesCS5B03G1249300	0.85418	1.84797	No	No
28146	TraesCS5B03G1250900	1.27595	0.74824	No	No
28147	TraesCS5B03G1251000	1.12399	0.59251	No	No
28148	TraesCS5B03G1251500	1.33119	0.65578	No	No
28149	TraesCS5B03G1251600	0.7193	1.10497	No	No
28151	TraesCS5B03G1253500	0.9103	3.88404	Down	Up
28152	TraesCS5B03G1253600	1.03426	1.5811	UP	UP
28153	TraesCS5B03G1253700	1.12415	5.10491	Up	Up
28154	TraesCS5B03G1253800	0.77923	0.87609	Down	Down
28155	TraesCS5B03G1254500	1.30915	1.74032	UP	UP
28156	TraesCS5B03G1254800	0.79288	1.30708	No	No
28157	TraesCS5B03G1254900	0.95127	2.24	Down	Up
28158	TraesCS5B03G1255000	1.78649	0.38971	Up	Down
28159	TraesCS5B03G1255600	0.30802	5.98569	Down	Up
28162	TraesCS5B03G1258500	0.92513	0.8504	Down	Down
28163	TraesCS5B03G1258900	0.89875	0.95346	Down	Down
28164	TraesCS5B03G1259800	1.00092	0.95768	No	No
28165	TraesCS5B03G1260300	0.87548	1.39482	No	No
28166	TraesCS5B03G1262500	0.81029	0.83847	Down	Down
28167	TraesCS5B03G1262600	0.67048	4.80214	Down	Up
28168	TraesCS5B03G1262800	0.88682	0.68198	Down	Down
28170	TraesCS5B03G1264200	0.42138	4.62911	Down	Up
28171	TraesCS5B03G1264400	1.07867	0.57825	No	No
28172	TraesCS5B03G1264500	1.19461	4.40563	Up	Up
28173	TraesCS5B03G1264600	0.80475	1.24548	No	No
28174	TraesCS5B03G1264800	0.89296	1.30127	No	No
28176	TraesCS5B03G1265100	1.47267	0.21746	Up	Down
28177	TraesCS5B03G1266800	0.74994	0.85255	Down	Down
28179	TraesCS5B03G1267400	0.82626	2.3091	Down	Up
28180	TraesCS5B03G1270600	0.83035	1.04268	No	No
28182	TraesCS5B03G1271300	0.62493	0.52688	Down	Down
28183	TraesCS5B03G1271400	1.16902	0.6545	No	No
28184	TraesCS5B03G1271900	0.72284	1.01292	No	No
28185	TraesCS5B03G1275300	0.89565	1.68418	No	No
28186	TraesCS5B03G1277900	1.04534	0.23633	Up	Down
28188	TraesCS5B03G1279900	1.84018	0.6737	No	No
28190	TraesCS5B03G1281100	0.72154	1.3755	No	No
28191	TraesCS5B03G1284300	1.00559	0.39333	Up	Down
28192	TraesCS5B03G1284600	0.55305	0.33903	Down	Down
28193	TraesCS5B03G1289500	1.20428	1.31061	UP	UP
28194	TraesCS5B03G1290000	1.26216	0.23829	Up	Down
28195	TraesCS5B03G1290200	1.10632	0.97714	No	No

28197	TraesCS5B03G1291400	0.76049	0.48766	Down	Down
28198	TraesCS5B03G1291500	1.28695	1.18298	UP	UP
28199	TraesCS5B03G1291500	1.00782	0.66606	No	No
28200	TraesCS5B03G1292300	2.0017	0.03031	Up	Down
28201	TraesCS5B03G1293200	0.87917	2.64959	Down	Up
28202	TraesCS5B03G1293500	0.75471	0.50797	Down	Down
28203	TraesCS5B03G1293700	1.16684	1.77345	UP	UP
28204	TraesCS5B03G1294100	0.78854	1.89551	No	No
28205	TraesCS5B03G1294200	0.7256	2.1332	Down	Up
28207	TraesCS5B03G1294700	0.8561	1.03251	No	No
28208	TraesCS5B03G1294900	0.83358	4.32458	Down	Up
28209	TraesCS5B03G1297500	0.93837	0.26762	Down	Down
28210	TraesCS5B03G1298600	0.88326	0.58704	Down	Down
28211	TraesCS5B03G1298700	1.15039	0.8237	No	No
28213	TraesCS5B03G1301300	0.97556	5.3123	Down	Up
28214	TraesCS5B03G1301300	0.85051	3.35636	Down	Up
28215	TraesCS5B03G1302100	0.79608	0.4211	Down	Down
28216	TraesCS5B03G1303600	1.08414	1.03633	UP	UP
28217	TraesCS5B03G1303800	1.26854	1.56636	UP	UP
28218	TraesCS5B03G1304200	1.09924	2.62664	Up	Up
28219	TraesCS5B03G1304400	0.71007	3.58849	Down	Up
28220	TraesCS5B03G1306200	0.83855	1.88802	No	No
28222	TraesCS5B03G1307000	1.06882	0.87715	No	No
28224	TraesCS5B03G1308800	0.90654	1.25453	No	No
28225	TraesCS5B03G1309100	0.758	1.75975	No	No
28226	TraesCS5B03G1309200	0.71747	0.93623	Down	Down
28227	TraesCS5B03G1309900	0.58044	3.43554	Down	Up
28228	TraesCS5B03G1310000	1.55688	2.06128	Up	Up
28229	TraesCS5B03G1310000	0.49588	1.31681	Down	Up
28231	TraesCS5B03G1311300	0.82004	1.84769	No	No
28232	TraesCS5B03G1314100	0.9146	1.58875	No	No
28233	TraesCS5B03G1319200	1.35501	1.25898	UP	UP
28235	TraesCS5B03G1324300	0.68516	1.7653	No	No
28236	TraesCS5B03G1324500	0.95627	1.43514	No	No
28238	TraesCS5B03G1326900	0.90299	1.24446	No	No
28239	TraesCS5B03G1327700	0.90988	1.07335	No	No
28240	TraesCS5B03G1328800	0.85564	1.21537	No	No
28241	TraesCS5B03G1331000	1.13399	1.29568	UP	UP
28242	TraesCS5B03G1331100	0.93033	0.44938	Down	Down
28243	TraesCS5B03G1331600	0.86426	0.53643	Down	Down
28244	TraesCS5B03G1332700	1.02502	1.37056	UP	UP
28245	TraesCS5B03G1336100	0.84872	1.34575	No	No
28246	TraesCS5B03G1337700	0.86756	3.4558	Down	Up
28247	TraesCS5B03G1338400	1.34157	1.28321	UP	UP
28248	TraesCS5B03G1340300	1.00087	0.74569	No	No
28249	TraesCS5B03G1340800	1.02233	0.67513	No	No
28250	TraesCS5B03G1341500	0.89954	0.87851	Down	Down
28251	TraesCS5B03G1342100	0.98142	0.88507	Down	Down
28253	TraesCS5B03G1344200	0.68858	1.19545	No	No
28254	TraesCS5B03G1344300	1.39529	0.9273	No	No
28255	TraesCS5B03G1344600	0.76397	2.68042	Down	Up
28256	TraesCS5B03G1347300	1.16089	0.81116	No	No

28257	TraesCS5B03G1347400	1.03391	0.99672	No	No
28258	TraesCS5B03G1347500	0.82727	0.96546	Down	Down
28259	TraesCS5B03G1347600	0.96049	0.61369	Down	Down
28260	TraesCS5B03G1347800	0.95017	0.67303	Down	Down
28261	TraesCS5B03G1348300	1.06309	0.63942	No	No
28262	TraesCS5B03G1348900	1.04739	0.40493	Up	Down
28263	TraesCS5B03G1350200	0.72275	1.28578	No	No
28264	TraesCS5B03G1351800	0.97799	1.13559	No	No
28265	TraesCS5B03G1352200	0.53162	1.7983	No	No
28266	TraesCS5B03G1353100	0.4863	0.38172	Down	Down
28267	TraesCS5B03G1353600	0.84829	1.57717	No	No
28268	TraesCS5B03G1353900	0.91818	1.08912	No	No
28269	TraesCS5B03G1354100	0.86338	1.81633	No	No
28270	TraesCS5B03G1354300	0.8354	0.25153	Down	Down
28272	TraesCS5B03G1356900	0.93211	0.48218	Down	Down
28273	TraesCS5B03G1358000	2.07957	1.84593	UP	UP
28274	TraesCS5B03G1358200	1.33288	3.78351	Up	Up
28275	TraesCS5B03G1358700	0.97548	2.10807	Down	Up
28276	TraesCS5B03G1358800	2.12104	0.82534	Up	Down
28277	TraesCS5B03G1359300	1.5152	1.81684	UP	UP
28278	TraesCS5B03G1359500	0.86793	1.1292	No	No
28279	TraesCS5B03G1360300	0.87404	1.27679	No	No
28280	TraesCS5B03G1360400	0.89365	1.35245	No	No
28281	TraesCS5B03G1360800	1.76299	0.79093	No	No
28282	TraesCS5B03G1360800	0.97607	0.49931	Down	Down
28283	TraesCS5B03G1363900	0.93468	1.28471	No	No
28284	TraesCS5B03G1365700	1.44097	0.36208	Up	Down
28285	TraesCS5B03G1365900	0.82573	1.37947	No	No
28286	TraesCS5B03G1366400	1.02717	0.94398	No	No
28288	TraesCS5B03G1367600	1.56522	1.00902	UP	UP
28289	TraesCS5B03G1367700	1.35153	1.49516	UP	UP
28290	TraesCS5B03G1367700	0.93268	1.34253	No	No
28291	TraesCS5B03G1368700	0.2511	6.71711	Down	Up
28292	TraesCS5B03G1369400	1.62885	0.40185	Up	Down
28293	TraesCS5B03G1374100	1.24121	0.96254	No	No
28294	TraesCS5B03G1375200	0.69277	1.08022	No	No
28295	TraesCS5B03G1375300	0.93265	0.50347	Down	Down
28296	TraesCS5B03G1375500	1.15703	0.77512	No	No
28297	TraesCS5B03G1375500	0.88846	0.69592	Down	Down
28298	TraesCS5B03G1375600	1.0637	1.28998	UP	UP
28299	TraesCS5B03G1377300	0.83485	0.22646	Down	Down
28301	TraesCS5B03G1380100	1.00903	0.64485	No	No
28302	TraesCS5B03G1380200	1.01998	0.89197	No	No
28303	TraesCS5B03G1380400	1.11246	1.01287	UP	UP
28304	TraesCS5B03G1380500	1.0684	1.5383	UP	UP
28305	TraesCS5B03G1381400	0.84099	0.8382	Down	Down
28306	TraesCS5B03G1381500	0.91394	0.65265	Down	Down
28307	TraesCS5B03G1381500	2.33685	0.66444	Up	Down
28308	TraesCS5B03G1381900	0.99186	2.34546	Down	Up
28309	TraesCS5D03G0000300	1.21224	0.62006	No	No
28310	TraesCS5D03G0000400	0.74701	1.56315	No	No
28312	TraesCS5D03G0001300	1.01922	0.40994	Up	Down

28313	TraesCS5D03G0001500	0.99493	0.90221	Down	Down
28314	TraesCS5D03G0002100	0.95583	0.66168	Down	Down
28315	TraesCS5D03G0002700	1.25793	1.68301	UP	UP
28316	TraesCS5D03G0003200	0.64177	0.7978	Down	Down
28317	TraesCS5D03G0004700	0.94396	0.87105	Down	Down
28318	TraesCS5D03G0004800	0.84376	1.56108	No	No
28320	TraesCS5D03G0007100	0.57283	1.15919	No	No
28321	TraesCS5D03G0007900	3.30963	5.78996	Up	Up
28322	TraesCS5D03G0008000	0.89288	1.59067	No	No
28323	TraesCS5D03G0008900	0.64782	1.60176	No	No
28325	TraesCS5D03G0009400	0.39628	1.6967	Down	Up
28327	TraesCS5D03G0009800	1.54678	1.02305	UP	UP
28328	TraesCS5D03G0010500	0.74688	1.08886	No	No
28329	TraesCS5D03G0010900	0.9321	0.41303	Down	Down
28330	TraesCS5D03G0011600	1.34661	2.88667	Up	Up
28331	TraesCS5D03G0011700	2.49838	4.16798	Up	Up
28332	TraesCS5D03G0011800	0.50674	8.90549	Down	Up
28335	TraesCS5D03G0020400	0.73591	0.36779	Down	Down
28336	TraesCS5D03G0020800	2.91102	1.28276	Up	Up
28341	TraesCS5D03G0024400	1.0224	1.36695	UP	UP
28342	TraesCS5D03G0025400	1.01924	0.58229	No	No
28343	TraesCS5D03G0025500	0.82644	1.3211	No	No
28344	TraesCS5D03G0027200	1.10061	1.31482	UP	UP
28345	TraesCS5D03G0028600	1.54332	0.52123	No	No
28346	TraesCS5D03G0029200	0.92325	1.40859	No	No
28347	TraesCS5D03G0029900	1.25285	1.74039	UP	UP
28348	TraesCS5D03G0032800	0.95397	2.15165	Down	Up
28349	TraesCS5D03G0033000	0.92393	1.13937	No	No
28350	TraesCS5D03G0033100	0.70026	0.62681	Down	Down
28351	TraesCS5D03G0034500	1.14705	1.37673	UP	UP
28352	TraesCS5D03G0035100	1.26765	1.06741	UP	UP
28353	TraesCS5D03G0035300	0.71131	0.5843	Down	Down
28354	TraesCS5D03G0035400	0.84034	1.12894	No	No
28355	TraesCS5D03G0035900	3.06209	1.1509	Up	Up
28356	TraesCS5D03G0036600	0.99579	2.46253	Down	Up
28357	TraesCS5D03G0037600	1.05147	3.15581	Up	Up
28358	TraesCS5D03G0037700	0.94195	1.57752	No	No
28360	TraesCS5D03G0038600	1.19911	0.66938	No	No
28361	TraesCS5D03G0039900	0.75923	0.53458	Down	Down
28363	TraesCS5D03G0041900	1.40379	1.15428	UP	UP
28364	TraesCS5D03G0042500	0.95037	1.39296	No	No
28365	TraesCS5D03G0043100	0.96917	1.6576	No	No
28366	TraesCS5D03G0043200	0.96196	0.82084	Down	Down
28367	TraesCS5D03G0043400	1.18475	0.82054	No	No
28368	TraesCS5D03G0044100	0.71152	0.98399	Down	Down
28369	TraesCS5D03G0045700	0.75713	0.87096	Down	Down
28370	TraesCS5D03G0045900	1.09697	1.06483	UP	UP
28371	TraesCS5D03G0046000	1.05778	1.03745	UP	UP
28372	TraesCS5D03G0046500	1.71005	0.76855	No	No
28374	TraesCS5D03G0047300	0.29691	3.97402	Down	Up
28375	TraesCS5D03G0047900	1.03609	0.77856	No	No
28376	TraesCS5D03G0048200	1.25312	0.67628	No	No

28377	TraesCS5D03G0049100	1.23676	1.77581	UP	UP
28378	TraesCS5D03G0049300	0.93458	1.17045	No	No
28379	TraesCS5D03G0049400	0.68062	2.00893	Down	Up
28385	TraesCS5D03G0056100	1.04436	1.24059	UP	UP
28386	TraesCS5D03G0056300	1.10769	0.33572	Up	Down
28387	TraesCS5D03G0057700	1.03316	0.42743	Up	Down
28388	TraesCS5D03G0058700	1.11293	0.9454	No	No
28389	TraesCS5D03G0059800	0.43434	1.4837	Down	Up
28390	TraesCS5D03G0061300	0.95951	0.81062	Down	Down
28391	TraesCS5D03G0063000	1.03242	0.89579	No	No
28392	TraesCS5D03G0063200	1.06838	0.4717	Up	Down
28393	TraesCS5D03G0067100	0.86071	1.98688	No	No
28394	TraesCS5D03G0067400	0.52387	1.64996	No	No
28395	TraesCS5D03G0067400	1.9901	1.78394	UP	UP
28396	TraesCS5D03G0067500	1.53163	0.46719	Up	Down
28397	TraesCS5D03G0067600	0.80194	3.58868	Down	Up
28398	TraesCS5D03G0070300	0.98835	1.46438	No	No
28399	TraesCS5D03G0072200	1.6786	1.34816	UP	UP
28400	TraesCS5D03G0076800	1.24897	2.26477	Up	Up
28402	TraesCS5D03G0077800	0.81726	0.96299	Down	Down
28403	TraesCS5D03G0078200	0.97666	0.62525	Down	Down
28404	TraesCS5D03G0078200	1.19993	0.95613	No	No
28405	TraesCS5D03G0078500	0.7847	0.90897	Down	Down
28406	TraesCS5D03G0079400	1.08245	1.01907	UP	UP
28407	TraesCS5D03G0081100	1.36856	2.45766	Up	Up
28409	TraesCS5D03G0082200	1.18867	0.14489	Up	Down
28411	TraesCS5D03G0084100	1.28976	0.65933	No	No
28412	TraesCS5D03G0084700	0.84411	0.64696	Down	Down
28413	TraesCS5D03G0084900	0.74421	1.25783	No	No
28414	TraesCS5D03G0087200	0.89717	1.38628	No	No
28415	TraesCS5D03G0088400	0.91286	3.05476	Down	Up
28416	TraesCS5D03G0089400	0.91404	0.62396	Down	Down
28417	TraesCS5D03G0090100	0.9486	1.16975	No	No
28419	TraesCS5D03G0094600	0.85133	1.01159	No	No
28420	TraesCS5D03G0094800	1.34108	1.77985	UP	UP
28421	TraesCS5D03G0095100	1.59413	0.33535	Up	Down
28422	TraesCS5D03G0096100	1.16641	0.56095	No	No
28423	TraesCS5D03G0097500	0.98855	1.05062	No	No
28424	TraesCS5D03G0098300	1.16533	0.90447	No	No
28425	TraesCS5D03G0098400	1.1156	0.50773	No	No
28426	TraesCS5D03G0098500	0.75226	1.68427	No	No
28427	TraesCS5D03G0100300	1.01324	1.10898	UP	UP
28428	TraesCS5D03G0100400	1.14136	0.17556	Up	Down
28429	TraesCS5D03G0101000	0.82882	0.33388	Down	Down
28430	TraesCS5D03G0101100	1.1229	0.46339	Up	Down
28431	TraesCS5D03G0102100	0.91523	0.93381	Down	Down
28432	TraesCS5D03G0103200	0.81287	1.26153	No	No
28433	TraesCS5D03G0103300	1.03995	1.12533	UP	UP
28434	TraesCS5D03G0103800	0.7127	1.27399	No	No
28436	TraesCS5D03G0104100	0.58642	1.02161	No	No
28437	TraesCS5D03G0104200	0.84769	1.18351	No	No
28438	TraesCS5D03G0104300	0.88054	1.43666	No	No

28439	TraesCS5D03G0106500	1.09913	1.11043	UP	UP
28441	TraesCS5D03G0106700	1.0491	0.41076	Up	Down
28442	TraesCS5D03G0109100	1.06688	1.13753	UP	UP
28443	TraesCS5D03G0109200	0.93132	0.51896	Down	Down
28444	TraesCS5D03G0109400	1.31595	0.40303	Up	Down
28445	TraesCS5D03G0111300	0.9167	0.41887	Down	Down
28452	TraesCS5D03G0113000	1.12655	0.96337	No	No
28453	TraesCS5D03G0114200	0.88894	1.71077	No	No
28454	TraesCS5D03G0114500	0.53832	1.2803	No	No
28455	TraesCS5D03G0115200	0.90533	1.99043	No	No
28456	TraesCS5D03G0116300	0.90667	0.2351	Down	Down
28458	TraesCS5D03G0119600	0.92234	0.86809	Down	Down
28460	TraesCS5D03G0122700	0.90514	1.5741	No	No
28461	TraesCS5D03G0122800	1.1637	0.52636	No	No
28464	TraesCS5D03G0124800	0.43362	15.0571	Down	Up
28465	TraesCS5D03G0125000	0.95529	1.84055	No	No
28466	TraesCS5D03G0125000	0.7682	0.70278	Down	Down
28468	TraesCS5D03G0126200	1.16221	1.16774	UP	UP
28469	TraesCS5D03G0127000	0.65209	8.91805	Down	Up
28470	TraesCS5D03G0127100	0.62287	23.0746	Down	Up
28471	TraesCS5D03G0128900	0.78139	0.79869	Down	Down
28472	TraesCS5D03G0129200	0.91553	1.37865	No	No
28474	TraesCS5D03G0130700	0.47149	1.60606	Down	Up
28475	TraesCS5D03G0131000	1.07357	1.06197	UP	UP
28476	TraesCS5D03G0131400	0.79113	1.31516	No	No
28478	TraesCS5D03G0136100	0.80399	1.63005	No	No
28479	TraesCS5D03G0137100	0.95131	0.88683	Down	Down
28480	TraesCS5D03G0137300	0.74825	1.98855	No	No
28481	TraesCS5D03G0137500	0.83352	0.5672	Down	Down
28482	TraesCS5D03G0137800	1.16778	1.3386	UP	UP
28483	TraesCS5D03G0138600	0.75112	1.14345	No	No
28484	TraesCS5D03G0139600	0.86145	1.05706	No	No
28485	TraesCS5D03G0142200	1.08366	1.13947	UP	UP
28486	TraesCS5D03G0143000	0.86288	0.51212	Down	Down
28488	TraesCS5D03G0145800	1.04272	1.1055	UP	UP
28490	TraesCS5D03G0147700	1.45435	1.54456	UP	UP
28491	TraesCS5D03G0147900	0.80205	1.66246	No	No
28492	TraesCS5D03G0148100	3.86465	0.43813	Up	Down
28493	TraesCS5D03G0148700	2.17695	2.06788	UP	UP
28494	TraesCS5D03G0148900	1.56786	0.60919	No	No
28495	TraesCS5D03G0149800	0.63065	1.07097	No	No
28496	TraesCS5D03G0151400	0.9393	18.8362	Down	Up
28497	TraesCS5D03G0151500	1.30333	1.6077	UP	UP
28498	TraesCS5D03G0151600	1.34609	2.7819	Up	Up
28499	TraesCS5D03G0151800	1.10267	2.67318	Up	Up
28500	TraesCS5D03G0151900	0.63949	1.7421	No	No
28501	TraesCS5D03G0152000	1.43624	0.35201	Up	Down
28503	TraesCS5D03G0152300	0.95876	0.9126	Down	Down
28504	TraesCS5D03G0152500	1.02285	1.02928	UP	UP
28505	TraesCS5D03G0152600	1.18899	2.47061	Up	Up
28506	TraesCS5D03G0153100	1.24571	1.5384	UP	UP
28507	TraesCS5D03G0154400	0.88159	1.76317	No	No

28508	TraesCS5D03G0155100	1.08136	4.27061	Up	Up
28511	TraesCS5D03G0156500	1.33866	1.31399	UP	UP
28512	TraesCS5D03G0158800	0.91961	1.30297	No	No
28513	TraesCS5D03G0159000	1.65815	1.00176	UP	UP
28514	TraesCS5D03G0159800	0.82456	1.05186	No	No
28515	TraesCS5D03G0159900	0.88659	1.59416	No	No
28516	TraesCS5D03G0160100	0.97661	1.41962	No	No
28517	TraesCS5D03G0160200	0.81155	3.03897	Down	Up
28518	TraesCS5D03G0160400	1.84317	0.94456	No	No
28519	TraesCS5D03G0160800	0.92959	1.21362	No	No
28520	TraesCS5D03G0161300	1.1892	0.81881	No	No
28522	TraesCS5D03G0163100	0.90603	1.12284	No	No
28523	TraesCS5D03G0163600	1.49104	1.27231	UP	UP
28524	TraesCS5D03G0163800	3.40102	0.47277	Up	Down
28525	TraesCS5D03G0164200	0.98167	1.20842	No	No
28526	TraesCS5D03G0165600	0.85976	20.9564	Down	Up
28527	TraesCS5D03G0169700	0.9173	1.4302	No	No
28528	TraesCS5D03G0169900	0.79978	0.69339	Down	Down
28529	TraesCS5D03G0170100	0.91595	1.0438	No	No
28530	TraesCS5D03G0170500	0.63602	1.59363	No	No
28531	TraesCS5D03G0171700	0.73336	2.91182	Down	Up
28532	TraesCS5D03G0172000	1.03897	1.0579	UP	UP
28535	TraesCS5D03G0172300	0.88386	1.02806	No	No
28536	TraesCS5D03G0172400	1.71022	0.51357	No	No
28537	TraesCS5D03G0172500	2.37222	0.3188	Up	Down
28538	TraesCS5D03G0172700	0.92361	0.62865	Down	Down
28539	TraesCS5D03G0172800	0.94874	0.86131	Down	Down
28541	TraesCS5D03G0175200	1.09027	1.34243	UP	UP
28542	TraesCS5D03G0175800	1.40067	1.16126	UP	UP
28543	TraesCS5D03G0175900	1.52162	1.12482	UP	UP
28544	TraesCS5D03G0176000	0.86548	1.30101	No	No
28545	TraesCS5D03G0176100	1.18265	2.87057	Up	Up
28546	TraesCS5D03G0176300	0.3702	3.39825	Down	Up
28547	TraesCS5D03G0176400	1.08085	2.0904	Up	Up
28548	TraesCS5D03G0177500	0.77143	1.60016	No	No
28549	TraesCS5D03G0178100	1.13018	1.30567	UP	UP
28550	TraesCS5D03G0178100	0.56395	0.53868	Down	Down
28551	TraesCS5D03G0178900	1.21508	1.27572	UP	UP
28552	TraesCS5D03G0179100	1.22868	5.05908	Up	Up
28553	TraesCS5D03G0179200	1.25021	1.65757	UP	UP
28554	TraesCS5D03G0179300	0.79022	3.20791	Down	Up
28555	TraesCS5D03G0179900	0.87201	0.4972	Down	Down
28556	TraesCS5D03G0180300	1.28855	0.40408	Up	Down
28557	TraesCS5D03G0180400	0.89017	0.66672	Down	Down
28558	TraesCS5D03G0180600	1.09985	0.92549	No	No
28559	TraesCS5D03G0181700	0.90924	3.88082	Down	Up
28560	TraesCS5D03G0181800	0.76425	1.87479	No	No
28561	TraesCS5D03G0183000	0.38745	0.83622	Down	Down
28562	TraesCS5D03G0183300	0.9138	0.95789	Down	Down
28563	TraesCS5D03G0184500	0.84004	1.06178	No	No
28564	TraesCS5D03G0184600	0.80903	1.29445	No	No
28565	TraesCS5D03G0185000	1.16804	1.095	UP	UP

28566	TraesCS5D03G0186100	0.75951	0.45853	Down	Down
28567	TraesCS5D03G0188400	0.99701	1.09245	No	No
28570	TraesCS5D03G0193300	0.54829	1.06153	No	No
28571	TraesCS5D03G0193600	0.76617	1.20052	No	No
28572	TraesCS5D03G0193700	0.85096	2.69984	Down	Up
28573	TraesCS5D03G0194400	0.88966	1.14727	No	No
28574	TraesCS5D03G0194600	0.6502	2.38131	Down	Up
28576	TraesCS5D03G0195500	0.88723	1.095	No	No
28577	TraesCS5D03G0195600	0.92948	0.81161	Down	Down
28578	TraesCS5D03G0195700	0.77523	1.38171	No	No
28579	TraesCS5D03G0196000	0.87291	1.09238	No	No
28581	TraesCS5D03G0197800	1.2535	0.75713	No	No
28582	TraesCS5D03G0199400	0.76414	1.7907	No	No
28583	TraesCS5D03G0199700	0.70435	1.65682	No	No
28585	TraesCS5D03G0201700	0.47343	2.00817	Down	Up
28586	TraesCS5D03G0203100	0.88175	0.68589	Down	Down
28590	TraesCS5D03G0205000	0.54896	1.24188	No	No
28591	TraesCS5D03G0205800	0.62089	0.30925	Down	Down
28592	TraesCS5D03G0206200	1.0045	0.50864	No	No
28593	TraesCS5D03G0207600	1.2736	0.78887	No	No
28594	TraesCS5D03G0208000	1.43535	0.9907	No	No
28595	TraesCS5D03G0208300	0.74508	1.41758	No	No
28596	TraesCS5D03G0208400	0.87448	1.12077	No	No
28598	TraesCS5D03G0211400	0.72824	1.19639	No	No
28599	TraesCS5D03G0211500	0.73104	0.59201	Down	Down
28600	TraesCS5D03G0211800	1.07531	1.10307	UP	UP
28601	TraesCS5D03G0211900	1.05942	0.60104	No	No
28602	TraesCS5D03G0212200	0.32839	1.9391	Down	Up
28603	TraesCS5D03G0213500	1.26287	1.06593	UP	UP
28604	TraesCS5D03G0214700	0.8237	0.88739	Down	Down
28605	TraesCS5D03G0214800	0.9294	2.18822	Down	Up
28606	TraesCS5D03G0215500	1.28477	0.90533	No	No
28607	TraesCS5D03G0215600	1.07364	0.82925	No	No
28608	TraesCS5D03G0215700	1.80068	1.25604	UP	UP
28609	TraesCS5D03G0215700	0.6568	0.50108	Down	Down
28610	TraesCS5D03G0215900	0.75212	1.07244	No	No
28611	TraesCS5D03G0216200	1.33411	1.88848	UP	UP
28612	TraesCS5D03G0217100	1.38261	0.74995	No	No
28614	TraesCS5D03G0217500	1.27986	0.99762	No	No
28615	TraesCS5D03G0217600	1.07341	0.99717	No	No
28616	TraesCS5D03G0217900	0.49829	0.76009	Down	Down
28617	TraesCS5D03G0218100	1.12896	0.21345	Up	Down
28618	TraesCS5D03G0218300	0.78074	1.73399	No	No
28619	TraesCS5D03G0218800	1.17922	1.13423	UP	UP
28621	TraesCS5D03G0220900	0.71781	1.14175	No	No
28622	TraesCS5D03G0221300	1.19523	1.57667	UP	UP
28623	TraesCS5D03G0221900	1.35404	0.66265	No	No
28624	TraesCS5D03G0222100	0.94078	1.37714	No	No
28625	TraesCS5D03G0222300	0.91557	1.1674	No	No
28626	TraesCS5D03G0223200	1.01682	0.91508	No	No
28627	TraesCS5D03G0223200	1.34494	1.26582	UP	UP
28628	TraesCS5D03G0223400	0.54657	1.75679	No	No

28629	TraesCS5D03G0223800	0.68283	1.94024	No	No
28630	TraesCS5D03G0224000	1.04964	0.64281	No	No
28631	TraesCS5D03G0224100	1.13316	0.41441	Up	Down
28633	TraesCS5D03G0224400	1.11973	0.60092	No	No
28634	TraesCS5D03G0224700	0.64982	0.86898	Down	Down
28635	TraesCS5D03G0225300	1.36331	1.09874	UP	UP
28636	TraesCS5D03G0226100	0.99223	1.0978	No	No
28637	TraesCS5D03G0226200	1.13246	1.15989	UP	UP
28638	TraesCS5D03G0226400	0.67003	1.5676	No	No
28639	TraesCS5D03G0226900	1.53505	0.59229	No	No
28640	TraesCS5D03G0227000	0.89132	0.64821	Down	Down
28641	TraesCS5D03G0227100	1.16928	1.02678	UP	UP
28642	TraesCS5D03G0227600	0.98622	1.47605	No	No
28643	TraesCS5D03G0228300	1.20768	0.36086	Up	Down
28644	TraesCS5D03G0229900	1.03013	2.58379	Up	Up
28645	TraesCS5D03G0230000	0.77757	1.49968	No	No
28646	TraesCS5D03G0230100	1.01657	1.25266	UP	UP
28647	TraesCS5D03G0230200	0.57985	0.91147	Down	Down
28648	TraesCS5D03G0230900	1.06753	1.74756	UP	UP
28649	TraesCS5D03G0231100	0.25537	1.0241	Down	Up
28650	TraesCS5D03G0231500	0.93964	2.07215	Down	Up
28651	TraesCS5D03G0232000	0.94889	0.71969	Down	Down
28652	TraesCS5D03G0232100	1.08428	0.85115	No	No
28653	TraesCS5D03G0233600	1.20843	0.57413	No	No
28654	TraesCS5D03G0234300	1.49964	0.43402	Up	Down
28655	TraesCS5D03G0234400	0.93115	1.4395	No	No
28656	TraesCS5D03G0234500	0.86269	0.3643	Down	Down
28658	TraesCS5D03G0235100	1.01022	2.82079	Up	Up
28659	TraesCS5D03G0235600	0.90061	1.37178	No	No
28660	TraesCS5D03G0236100	0.97751	0.75147	Down	Down
28661	TraesCS5D03G0236400	1.35144	1.06039	UP	UP
28662	TraesCS5D03G0236700	0.20683	0.3252	Down	Down
28663	TraesCS5D03G0236900	0.99201	0.2601	Down	Down
28665	TraesCS5D03G0237500	1.00347	1.49473	UP	UP
28666	TraesCS5D03G0237600	0.90098	1.78231	No	No
28667	TraesCS5D03G0237700	1.49111	0.97834	No	No
28668	TraesCS5D03G0238600	0.87938	1.12203	No	No
28669	TraesCS5D03G0238700	0.7947	1.59983	No	No
28670	TraesCS5D03G0238900	1.10221	3.05951	Up	Up
28672	TraesCS5D03G0239100	0.80496	1.06372	No	No
28673	TraesCS5D03G0240100	0.93038	1.23675	No	No
28675	TraesCS5D03G0241100	0.90934	0.53465	Down	Down
28676	TraesCS5D03G0241100	1.15586	1.39009	UP	UP
28677	TraesCS5D03G0241700	1.12094	1.07607	UP	UP
28678	TraesCS5D03G0241800	0.69314	4.1684	Down	Up
28679	TraesCS5D03G0241900	1.57934	1.08832	UP	UP
28680	TraesCS5D03G0241900	0.80835	1.6904	No	No
28681	TraesCS5D03G0243600	1.18292	0.45302	Up	Down
28683	TraesCS5D03G0244200	2.44136	0.48595	Up	Down
28684	TraesCS5D03G0245400	0.86399	1.72613	No	No
28685	TraesCS5D03G0245400	0.93556	1.91351	No	No
28686	TraesCS5D03G0245900	1.144	0.68095	No	No

28687	TraesCS5D03G0246500	1.05598	1.27798	UP	UP
28688	TraesCS5D03G0247100	0.91538	1.09198	No	No
28689	TraesCS5D03G0247200	0.93729	1.89245	No	No
28690	TraesCS5D03G0247600	0.846	1.38177	No	No
28691	TraesCS5D03G0247700	1.38389	0.42195	Up	Down
28692	TraesCS5D03G0247800	0.67488	4.04968	Down	Up
28693	TraesCS5D03G0248000	1.06746	1.50222	UP	UP
28694	TraesCS5D03G0248800	0.99669	1.52979	No	No
28695	TraesCS5D03G0248900	0.78443	0.52269	Down	Down
28696	TraesCS5D03G0249600	1.0761	1.35107	UP	UP
28697	TraesCS5D03G0249800	0.78368	1.02116	No	No
28698	TraesCS5D03G0249900	0.77031	1.04088	No	No
28699	TraesCS5D03G0250000	0.84837	1.98785	No	No
28702	TraesCS5D03G0250900	0.8272	1.11638	No	No
28707	TraesCS5D03G0253200	1.1758	1.9729	UP	UP
28708	TraesCS5D03G0253400	0.92142	1.92927	No	No
28709	TraesCS5D03G0253800	1.16449	0.9556	No	No
28711	TraesCS5D03G0254700	1.57192	0.70662	No	No
28712	TraesCS5D03G0254800	0.98082	0.95368	Down	Down
28713	TraesCS5D03G0254900	1.20012	1.17267	UP	UP
28714	TraesCS5D03G0255000	0.87687	0.46151	Down	Down
28715	TraesCS5D03G0255100	0.96669	0.46042	Down	Down
28716	TraesCS5D03G0255500	0.93229	1.05999	No	No
28718	TraesCS5D03G0256000	1.11927	0.62069	No	No
28719	TraesCS5D03G0256200	0.78294	0.46266	Down	Down
28720	TraesCS5D03G0256300	1.04605	3.10705	Up	Up
28723	TraesCS5D03G0256900	1.19614	1.33625	UP	UP
28724	TraesCS5D03G0258600	1.79978	0.64879	No	No
28726	TraesCS5D03G0259900	0.97312	1.40378	No	No
28728	TraesCS5D03G0260200	1.32763	1.12343	UP	UP
28729	TraesCS5D03G0260500	0.87616	0.93859	Down	Down
28730	TraesCS5D03G0261100	1.87342	1.61827	UP	UP
28731	TraesCS5D03G0261200	1.1163	2.07933	Up	Up
28732	TraesCS5D03G0261800	1.04516	1.31831	UP	UP
28733	TraesCS5D03G0262100	0.94806	0.68647	Down	Down
28736	TraesCS5D03G0263900	0.80638	0.59852	Down	Down
28737	TraesCS5D03G0263900	1.373	0.91273	No	No
28738	TraesCS5D03G0264200	0.65217	3.50585	Down	Up
28739	TraesCS5D03G0264300	0.7646	0.93949	Down	Down
28740	TraesCS5D03G0264500	1.18896	1.09884	UP	UP
28741	TraesCS5D03G0264600	1.13332	0.92972	No	No
28742	TraesCS5D03G0264700	0.92216	2.53796	Down	Up
28744	TraesCS5D03G0265600	0.94766	1.77646	No	No
28745	TraesCS5D03G0265900	0.80328	1.3879	No	No
28746	TraesCS5D03G0266300	1.07482	0.90392	No	No
28747	TraesCS5D03G0266500	0.29404	1.21808	Down	Up
28748	TraesCS5D03G0267000	1.05622	1.39686	UP	UP
28749	TraesCS5D03G0267100	0.85218	1.57826	No	No
28750	TraesCS5D03G0267100	1.11129	1.02609	UP	UP
28752	TraesCS5D03G0268300	0.6511	0.74368	Down	Down
28753	TraesCS5D03G0268300	0.45044	1.56391	Down	Up
28754	TraesCS5D03G0268700	1.23428	0.84046	No	No

28757	TraesCS5D03G0270000	0.8399	0.51596	Down	Down
28758	TraesCS5D03G0270100	2.36261	1.20075	Up	Up
28759	TraesCS5D03G0270500	0.94478	1.60498	No	No
28760	TraesCS5D03G0270700	0.38012	1.53722	Down	Up
28761	TraesCS5D03G0270800	0.7042	1.1694	No	No
28762	TraesCS5D03G0271500	0.92369	1.04556	No	No
28763	TraesCS5D03G0272200	1.35812	0.69476	No	No
28764	TraesCS5D03G0272500	0.90225	1.15692	No	No
28765	TraesCS5D03G0273100	0.87376	1.06573	No	No
28766	TraesCS5D03G0273100	0.79133	1.91035	No	No
28767	TraesCS5D03G0273500	0.90272	1.44689	No	No
28768	TraesCS5D03G0273800	1.04989	0.89284	No	No
28769	TraesCS5D03G0274300	1.0941	0.57431	No	No
28770	TraesCS5D03G0274600	0.97201	1.45761	No	No
28771	TraesCS5D03G0274600	1.9882	0.34069	Up	Down
28772	TraesCS5D03G0274700	0.67511	1.28765	No	No
28773	TraesCS5D03G0275500	1.01546	0.46739	Up	Down
28774	TraesCS5D03G0275600	0.72083	0.90964	Down	Down
28775	TraesCS5D03G0276100	0.87649	0.40173	Down	Down
28776	TraesCS5D03G0276500	0.94339	1.14964	No	No
28778	TraesCS5D03G0278100	0.78602	1.25467	No	No
28780	TraesCS5D03G0280100	0.98567	1.07767	No	No
28782	TraesCS5D03G0281400	0.81467	1.12365	No	No
28783	TraesCS5D03G0282500	0.95146	0.84428	Down	Down
28786	TraesCS5D03G0283400	0.98997	0.69829	Down	Down
28787	TraesCS5D03G0285300	1.01649	0.4579	Up	Down
28789	TraesCS5D03G0286200	1.43555	0.62675	No	No
28791	TraesCS5D03G0286700	0.83598	1.97179	No	No
28792	TraesCS5D03G0286900	1.14325	1.37289	UP	UP
28793	TraesCS5D03G0287500	0.81054	1.628	No	No
28794	TraesCS5D03G0289300	1.23975	0.91913	No	No
28795	TraesCS5D03G0290100	0.99016	0.89945	Down	Down
28796	TraesCS5D03G0290800	0.62059	0.82447	Down	Down
28797	TraesCS5D03G0291000	1.32549	1.01123	UP	UP
28799	TraesCS5D03G0293000	1.57797	1.22001	UP	UP
28801	TraesCS5D03G0294400	1.065	0.65158	No	No
28802	TraesCS5D03G0294700	1.25803	1.90398	UP	UP
28803	TraesCS5D03G0295100	2.96359	2.65232	UP	UP
28804	TraesCS5D03G0295200	0.82091	2.03341	Down	Up
28805	TraesCS5D03G0296200	0.71474	1.18393	No	No
28807	TraesCS5D03G0297800	0.90124	1.11066	No	No
28809	TraesCS5D03G0298400	0.92492	0.70463	Down	Down
28810	TraesCS5D03G0298900	0.8772	1.29164	No	No
28811	TraesCS5D03G0299100	0.78133	0.54573	Down	Down
28812	TraesCS5D03G0300200	1.52998	0.15537	Up	Down
28813	TraesCS5D03G0300400	0.65414	1.54937	No	No
28814	TraesCS5D03G0301800	0.74498	0.63691	Down	Down
28815	TraesCS5D03G0301900	1.5663	0.90684	No	No
28816	TraesCS5D03G0302100	0.88507	1.28473	No	No
28818	TraesCS5D03G0303300	1.00061	0.84373	No	No
28819	TraesCS5D03G0303800	1.1719	0.3205	Up	Down
28820	TraesCS5D03G0303900	0.33913	0.11564	Down	Down

28821	TraesCS5D03G0304000	1.11629	0.99413	No	No
28824	TraesCS5D03G0305100	1.39984	0.44989	Up	Down
28825	TraesCS5D03G0306400	0.71365	1.14142	No	No
28826	TraesCS5D03G0306800	0.98579	0.28317	Down	Down
28827	TraesCS5D03G0306800	2.18479	2.99857	Up	Up
28828	TraesCS5D03G0307100	1.43324	2.2163	Up	Up
28829	TraesCS5D03G0307400	1.34776	5.67949	Up	Up
28830	TraesCS5D03G0308700	1.03683	1.31696	UP	UP
28831	TraesCS5D03G0308900	0.97466	0.70669	Down	Down
28832	TraesCS5D03G0310100	1.38651	1.44403	UP	UP
28833	TraesCS5D03G0313700	1.25711	0.98424	No	No
28834	TraesCS5D03G0314200	0.613	0.91271	Down	Down
28835	TraesCS5D03G0314600	1.11378	1.23467	UP	UP
28836	TraesCS5D03G0316100	1.19377	0.83236	No	No
28837	TraesCS5D03G0316100	1.78902	0.74235	No	No
28838	TraesCS5D03G0316300	1.00601	0.61683	No	No
28839	TraesCS5D03G0316800	0.75301	0.98139	Down	Down
28840	TraesCS5D03G0317800	0.92869	0.65484	Down	Down
28841	TraesCS5D03G0317900	0.63587	0.44915	Down	Down
28842	TraesCS5D03G0318100	1.04207	0.92349	No	No
28843	TraesCS5D03G0318700	0.7841	3.47481	Down	Up
28844	TraesCS5D03G0319400	0.85232	1.74477	No	No
28845	TraesCS5D03G0319500	1.03103	0.49033	Up	Down
28846	TraesCS5D03G0320000	1.35707	0.91911	No	No
28847	TraesCS5D03G0320100	0.84407	0.6005	Down	Down
28848	TraesCS5D03G0320100	0.59678	1.05757	No	No
28850	TraesCS5D03G0320900	1.20408	0.81948	No	No
28851	TraesCS5D03G0321000	0.76551	1.00223	No	No
28852	TraesCS5D03G0321300	0.81483	2.1361	Down	Up
28853	TraesCS5D03G0322000	1.17378	1.32447	UP	UP
28855	TraesCS5D03G0323100	1.19577	1.34889	UP	UP
28856	TraesCS5D03G0323400	1.20253	1.25011	UP	UP
28857	TraesCS5D03G0324100	0.88119	2.15455	Down	Up
28858	TraesCS5D03G0324200	0.76767	0.48953	Down	Down
28859	TraesCS5D03G0324900	1.09418	0.83841	No	No
28860	TraesCS5D03G0325000	1.14218	1.05441	UP	UP
28861	TraesCS5D03G0325900	0.57897	1.3738	No	No
28862	TraesCS5D03G0326500	0.80644	1.32982	No	No
28863	TraesCS5D03G0326700	1.09724	0.20796	Up	Down
28864	TraesCS5D03G0326700	1.52504	0.88567	No	No
28865	TraesCS5D03G0327100	0.93339	1.08754	No	No
28866	TraesCS5D03G0327500	1.52302	1.09771	UP	UP
28867	TraesCS5D03G0327600	0.84694	1.30783	No	No
28868	TraesCS5D03G0327700	0.87981	0.64456	Down	Down
28869	TraesCS5D03G0328200	0.85121	1.66246	No	No
28870	TraesCS5D03G0329400	1.0135	0.98223	No	No
28871	TraesCS5D03G0329800	1.09597	1.51292	UP	UP
28872	TraesCS5D03G0330100	1.0191	0.72639	No	No
28873	TraesCS5D03G0330600	1.20776	0.75469	No	No
28874	TraesCS5D03G0331000	1.13194	0.74003	No	No
28875	TraesCS5D03G0331100	0.40986	1.78797	Down	Up
28876	TraesCS5D03G0331400	0.91662	0.55626	Down	Down

28877	TraesCS5D03G0331700	1.14008	0.81517	No	No
28878	TraesCS5D03G0331800	0.81668	1.54712	No	No
28879	TraesCS5D03G0332500	1.1034	0.52226	No	No
28880	TraesCS5D03G0332600	1.52992	0.39427	Up	Down
28881	TraesCS5D03G0332900	1.41779	0.35252	Up	Down
28882	TraesCS5D03G0333100	1.00287	0.85913	No	No
28883	TraesCS5D03G0333200	1.05639	0.37548	Up	Down
28884	TraesCS5D03G0333600	0.85543	1.3693	No	No
28885	TraesCS5D03G0333900	1.05889	1.35611	UP	UP
28886	TraesCS5D03G0334000	1.09257	1.26544	UP	UP
28889	TraesCS5D03G0337400	1.1384	1.469	UP	UP
28890	TraesCS5D03G0337500	1.08385	3.2562	Up	Up
28891	TraesCS5D03G0338900	1.33675	1.16121	UP	UP
28892	TraesCS5D03G0339100	0.91096	1.41952	No	No
28894	TraesCS5D03G0339800	0.93696	0.46307	Down	Down
28895	TraesCS5D03G0341500	0.81349	0.87546	Down	Down
28896	TraesCS5D03G0342600	2.00269	3.19531	Up	Up
28897	TraesCS5D03G0342700	1.24797	0.74224	No	No
28898	TraesCS5D03G0344900	1.06674	2.13775	Up	Up
28899	TraesCS5D03G0345500	0.42894	6.58818	Down	Up
28900	TraesCS5D03G0346100	1.11084	0.63319	No	No
28901	TraesCS5D03G0346600	1.65	2.56932	Up	Up
28902	TraesCS5D03G0347800	0.68026	1.05865	No	No
28903	TraesCS5D03G0347900	1.13498	1.19713	UP	UP
28904	TraesCS5D03G0348200	1.05965	1.04014	UP	UP
28905	TraesCS5D03G0348600	1.26356	0.43575	Up	Down
28907	TraesCS5D03G0349100	0.82515	1.30845	No	No
28908	TraesCS5D03G0349300	1.01133	1.68916	UP	UP
28909	TraesCS5D03G0349400	0.89655	1.46035	No	No
28910	TraesCS5D03G0349500	1.18131	0.7855	No	No
28911	TraesCS5D03G0349600	0.80556	0.99741	Down	Down
28912	TraesCS5D03G0350000	1.02578	0.90392	No	No
28913	TraesCS5D03G0350100	0.94587	0.93327	Down	Down
28914	TraesCS5D03G0350700	0.83512	1.17247	No	No
28915	TraesCS5D03G0351000	0.7047	0.65327	Down	Down
28916	TraesCS5D03G0351300	0.9817	0.32177	Down	Down
28918	TraesCS5D03G0351900	0.57628	1.18494	No	No
28919	TraesCS5D03G0353000	2.09718	5.31989	Up	Up
28920	TraesCS5D03G0353300	1.1275	0.83375	No	No
28921	TraesCS5D03G0353400	0.96226	1.20873	No	No
28922	TraesCS5D03G0353500	0.9892	0.89812	Down	Down
28923	TraesCS5D03G0353700	1.22584	0.82708	No	No
28924	TraesCS5D03G0354400	1.00161	0.71935	No	No
28925	TraesCS5D03G0355700	0.43683	2.19382	Down	Up
28926	TraesCS5D03G0356000	0.92017	1.09182	No	No
28927	TraesCS5D03G0356400	1.19722	0.83779	No	No
28930	TraesCS5D03G0356800	1.63305	0.74135	No	No
28932	TraesCS5D03G0357500	0.80148	2.72748	Down	Up
28933	TraesCS5D03G0357600	1.13299	0.49867	Up	Down
28934	TraesCS5D03G0358000	0.62618	1.46449	No	No
28935	TraesCS5D03G0358100	0.90987	0.87394	Down	Down
28936	TraesCS5D03G0359200	1.09411	0.83185	No	No

28937	TraesCS5D03G0359800	0.66183	0.94642	Down	Down
28938	TraesCS5D03G0360000	1.5134	0.42212	Up	Down
28939	TraesCS5D03G0360200	0.58441	1.46027	No	No
28940	TraesCS5D03G0361200	0.78495	1.95257	No	No
28941	TraesCS5D03G0361600	1.07743	0.77024	No	No
28942	TraesCS5D03G0361700	0.81223	3.14391	Down	Up
28943	TraesCS5D03G0362000	1.3888	5.9339	Up	Up
28945	TraesCS5D03G0363700	1.67872	0.43066	Up	Down
28946	TraesCS5D03G0364700	0.40244	0.20212	Down	Down
28947	TraesCS5D03G0364900	1.22852	1.50829	UP	UP
28948	TraesCS5D03G0365900	0.85062	0.4973	Down	Down
28949	TraesCS5D03G0366500	1.82892	0.38711	Up	Down
28951	TraesCS5D03G0367500	0.86756	0.62832	Down	Down
28952	TraesCS5D03G0368300	1.29363	1.10848	UP	UP
28953	TraesCS5D03G0368400	1.08122	1.4116	UP	UP
28955	TraesCS5D03G0369000	1.04581	0.57957	No	No
28956	TraesCS5D03G0369100	0.79808	0.69638	Down	Down
28957	TraesCS5D03G0369200	0.91459	1.77435	No	No
28958	TraesCS5D03G0369900	0.741	1.78916	No	No
28959	TraesCS5D03G0370000	0.6646	0.93811	Down	Down
28960	TraesCS5D03G0370100	1.34899	0.86389	No	No
28961	TraesCS5D03G0370300	3.48715	1.09926	Up	Up
28962	TraesCS5D03G0370300	0.33644	0.84478	Down	Down
28963	TraesCS5D03G0370800	0.39401	1.12776	Down	Up
28964	TraesCS5D03G0370900	1.27406	0.79738	No	No
28965	TraesCS5D03G0371200	0.87174	1.66507	No	No
28966	TraesCS5D03G0371400	0.64635	1.5034	No	No
28967	TraesCS5D03G0371600	1.00867	0.8084	No	No
28968	TraesCS5D03G0372000	1.5476	0.71008	No	No
28969	TraesCS5D03G0372700	0.83111	0.57597	Down	Down
28970	TraesCS5D03G0373400	1.14235	1.87243	UP	UP
28971	TraesCS5D03G0373800	0.77738	0.85062	Down	Down
28972	TraesCS5D03G0373800	1.24034	1.35659	UP	UP
28973	TraesCS5D03G0374200	0.91276	0.8928	Down	Down
28975	TraesCS5D03G0375500	0.8239	1.6764	No	No
28976	TraesCS5D03G0376100	0.77209	1.27114	No	No
28977	TraesCS5D03G0376300	0.84639	1.90047	No	No
28978	TraesCS5D03G0376500	1.33915	0.55877	No	No
28979	TraesCS5D03G0376800	0.76197	3.03601	Down	Up
28980	TraesCS5D03G0377100	0.84766	1.52363	No	No
28981	TraesCS5D03G0377300	0.8103	0.83814	Down	Down
28982	TraesCS5D03G0377400	1.00354	0.82013	No	No
28983	TraesCS5D03G0377600	1.35153	0.76033	No	No
28984	TraesCS5D03G0377900	0.90788	7.13304	Down	Up
28985	TraesCS5D03G0378400	1.58976	0.4824	Up	Down
28986	TraesCS5D03G0379000	0.79192	0.74027	Down	Down
28987	TraesCS5D03G0379000	0.78326	1.62552	No	No
28988	TraesCS5D03G0379100	0.73817	0.88715	Down	Down
28989	TraesCS5D03G0379600	0.9042	0.71061	Down	Down
28990	TraesCS5D03G0379700	0.78902	2.7298	Down	Up
28991	TraesCS5D03G0379800	0.80818	1.12811	No	No
28994	TraesCS5D03G0381400	0.93543	1.52494	No	No

28995	TraesCS5D03G0382800	0.94179	1.56176	No	No
28996	TraesCS5D03G0383200	1.10269	0.23206	Up	Down
28997	TraesCS5D03G0383400	0.90468	1.44142	No	No
28998	TraesCS5D03G0383700	1.23692	1.20783	UP	UP
28999	TraesCS5D03G0383800	0.77287	1.34976	No	No
29000	TraesCS5D03G0384400	1.0772	0.74229	No	No
29001	TraesCS5D03G0384500	1.19399	0.88508	No	No
29002	TraesCS5D03G0384600	0.64635	1.27211	No	No
29003	TraesCS5D03G0385900	4.90863	3.22661	Up	Up
29004	TraesCS5D03G0386800	0.75658	1.45323	No	No
29005	TraesCS5D03G0387000	0.70415	4.68785	Down	Up
29006	TraesCS5D03G0387400	1.11437	1.23041	UP	UP
29007	TraesCS5D03G0388000	1.04169	0.64287	No	No
29008	TraesCS5D03G0388200	0.926	2.15065	Down	Up
29009	TraesCS5D03G0388500	0.87007	2.08217	Down	Up
29010	TraesCS5D03G0390100	0.73604	0.64976	Down	Down
29015	TraesCS5D03G0392100	0.76134	0.68859	Down	Down
29016	TraesCS5D03G0392500	1.02479	0.31746	Up	Down
29017	TraesCS5D03G0393000	0.92659	1.21607	No	No
29018	TraesCS5D03G0393200	0.74943	1.82184	No	No
29019	TraesCS5D03G0393300	0.23428	5.75648	Down	Up
29020	TraesCS5D03G0393500	1.09629	0.31358	Up	Down
29021	TraesCS5D03G0395300	0.86399	1.46117	No	No
29022	TraesCS5D03G0395400	1.36223	1.04793	UP	UP
29023	TraesCS5D03G0396100	1.59184	1.22964	UP	UP
29024	TraesCS5D03G0396200	0.87339	0.703	Down	Down
29025	TraesCS5D03G0396200	1.2958	1.00928	UP	UP
29026	TraesCS5D03G0396400	0.92525	1.00449	No	No
29027	TraesCS5D03G0396600	1.06554	1.11151	UP	UP
29028	TraesCS5D03G0396700	0.88059	1.04459	No	No
29029	TraesCS5D03G0396900	1.41877	0.66522	No	No
29031	TraesCS5D03G0399000	0.92301	0.64175	Down	Down
29032	TraesCS5D03G0399200	0.93795	1.21171	No	No
29033	TraesCS5D03G0399300	1.16777	1.5867	UP	UP
29034	TraesCS5D03G0400700	0.86796	0.5867	Down	Down
29035	TraesCS5D03G0400900	0.75644	1.36207	No	No
29036	TraesCS5D03G0401200	1.45854	1.07459	UP	UP
29037	TraesCS5D03G0401400	1.08632	0.57932	No	No
29038	TraesCS5D03G0401500	1.20883	0.62531	No	No
29039	TraesCS5D03G0402200	0.81466	1.39442	No	No
29040	TraesCS5D03G0402300	0.88242	0.64	Down	Down
29041	TraesCS5D03G0402800	1.15531	2.79767	Up	Up
29042	TraesCS5D03G0403000	0.75718	0.94803	Down	Down
29043	TraesCS5D03G0403100	1.03842	0.67027	No	No
29044	TraesCS5D03G0403800	0.97849	0.21424	Down	Down
29045	TraesCS5D03G0404200	0.83546	0.68572	Down	Down
29046	TraesCS5D03G0405100	1.26545	1.14802	UP	UP
29047	TraesCS5D03G0405500	0.84956	3.07851	Down	Up
29048	TraesCS5D03G0405600	0.99752	0.66994	Down	Down
29049	TraesCS5D03G0405900	0.9688	1.14013	No	No
29050	TraesCS5D03G0406700	1.30868	1.33613	UP	UP
29051	TraesCS5D03G0407000	1.21773	1.48808	UP	UP

29052	TraesCS5D03G0407200	1.03939	1.22311	UP	UP
29054	TraesCS5D03G0407800	0.91387	1.2991	No	No
29055	TraesCS5D03G0408100	1.28604	1.60254	UP	UP
29056	TraesCS5D03G0408800	0.84992	1.07523	No	No
29057	TraesCS5D03G0409000	0.91194	0.79293	Down	Down
29058	TraesCS5D03G0409200	1.02581	1.46184	UP	UP
29059	TraesCS5D03G0409800	1.09725	1.78969	UP	UP
29060	TraesCS5D03G0411000	1.17319	0.60448	No	No
29061	TraesCS5D03G0411200	0.83842	1.32924	No	No
29062	TraesCS5D03G0411400	1.33626	0.3018	Up	Down
29063	TraesCS5D03G0411600	0.96377	1.43299	No	No
29064	TraesCS5D03G0412400	1.15063	1.14198	UP	UP
29065	TraesCS5D03G0412500	1.0887	1.10034	UP	UP
29068	TraesCS5D03G0413700	1.19737	0.28242	Up	Down
29069	TraesCS5D03G0414100	0.96541	0.4451	Down	Down
29070	TraesCS5D03G0414200	1.12157	0.23369	Up	Down
29071	TraesCS5D03G0414500	1.06935	0.44159	Up	Down
29072	TraesCS5D03G0414600	0.93274	1.90204	No	No
29073	TraesCS5D03G0415000	1.24435	0.61434	No	No
29074	TraesCS5D03G0415100	0.79994	0.52822	Down	Down
29075	TraesCS5D03G0415200	0.65566	1.90744	No	No
29076	TraesCS5D03G0415700	2.20003	1.07581	Up	Up
29077	TraesCS5D03G0415700	1.63743	0.58889	No	No
29080	TraesCS5D03G0416000	0.80912	3.51966	Down	Up
29081	TraesCS5D03G0416100	1.27339	0.43844	Up	Down
29083	TraesCS5D03G0417500	0.93507	1.52439	No	No
29084	TraesCS5D03G0417600	0.81439	0.9867	Down	Down
29085	TraesCS5D03G0418200	1.09539	0.82238	No	No
29086	TraesCS5D03G0418600	0.78489	0.67141	Down	Down
29087	TraesCS5D03G0418700	0.89807	0.97761	Down	Down
29088	TraesCS5D03G0418800	1.71119	0.33098	Up	Down
29089	TraesCS5D03G0419100	0.87161	0.77813	Down	Down
29090	TraesCS5D03G0419300	0.79686	0.8626	Down	Down
29091	TraesCS5D03G0419300	0.75976	2.17684	Down	Up
29092	TraesCS5D03G0419400	1.16226	0.15783	Up	Down
29093	TraesCS5D03G0419400	0.63382	3.45311	Down	Up
29094	TraesCS5D03G0419500	1.13195	1.01224	UP	UP
29095	TraesCS5D03G0419800	0.62486	4.28637	Down	Up
29096	TraesCS5D03G0420200	0.90028	2.42694	Down	Up
29098	TraesCS5D03G0420800	0.59189	1.37796	No	No
29099	TraesCS5D03G0421200	1.17587	1.33077	UP	UP
29100	TraesCS5D03G0421400	0.57714	5.87799	Down	Up
29101	TraesCS5D03G0421800	0.88827	1.10934	No	No
29102	TraesCS5D03G0422000	1.23426	1.10083	UP	UP
29103	TraesCS5D03G0423000	0.74539	0.99798	Down	Down
29104	TraesCS5D03G0423200	0.76358	1.89885	No	No
29105	TraesCS5D03G0423300	0.86791	1.40115	No	No
29106	TraesCS5D03G0423500	0.68114	1.30915	No	No
29107	TraesCS5D03G0423700	0.86851	0.64296	Down	Down
29108	TraesCS5D03G0423800	1.23464	1.19977	UP	UP
29109	TraesCS5D03G0423900	0.9851	0.85966	Down	Down
29110	TraesCS5D03G0425100	1.02594	2.30718	Up	Up

29111	TraesCS5D03G0426000	0.78552	1.27925	No	No
29112	TraesCS5D03G0426200	0.87712	0.71824	Down	Down
29113	TraesCS5D03G0426300	1.25823	0.08335	Up	Down
29116	TraesCS5D03G0427600	0.93006	1.17262	No	No
29117	TraesCS5D03G0428100	1.14331	0.21632	Up	Down
29118	TraesCS5D03G0428200	0.63731	0.61223	Down	Down
29119	TraesCS5D03G0428500	0.88713	1.39227	No	No
29120	TraesCS5D03G0429000	0.87234	2.08764	Down	Up
29121	TraesCS5D03G0429100	1.15299	1.52275	UP	UP
29122	TraesCS5D03G0429700	0.60232	0.34531	Down	Down
29123	TraesCS5D03G0429800	0.92867	0.46187	Down	Down
29124	TraesCS5D03G0429900	1.00091	0.90336	No	No
29125	TraesCS5D03G0430000	1.08987	1.65678	UP	UP
29126	TraesCS5D03G0430500	1.13278	1.20527	UP	UP
29127	TraesCS5D03G0431000	0.66426	1.26419	No	No
29128	TraesCS5D03G0431500	0.99088	1.0015	No	No
29129	TraesCS5D03G0431800	1.16152	0.97383	No	No
29130	TraesCS5D03G0431900	0.78627	0.52021	Down	Down
29131	TraesCS5D03G0432000	1.30932	0.3979	Up	Down
29132	TraesCS5D03G0432100	0.97933	1.52876	No	No
29133	TraesCS5D03G0432400	0.70558	0.93718	Down	Down
29134	TraesCS5D03G0432600	0.96492	1.03253	No	No
29135	TraesCS5D03G0432700	0.82873	0.98855	Down	Down
29136	TraesCS5D03G0432900	0.8451	1.98445	No	No
29137	TraesCS5D03G0433100	0.94524	0.63922	Down	Down
29138	TraesCS5D03G0433200	0.78856	0.53583	Down	Down
29140	TraesCS5D03G0434500	0.39033	0.81426	Down	Down
29141	TraesCS5D03G0435100	1.01762	0.41332	Up	Down
29142	TraesCS5D03G0436000	0.84938	2.63403	Down	Up
29144	TraesCS5D03G0436300	1.60359	1.27465	UP	UP
29145	TraesCS5D03G0436500	0.90482	1.03686	No	No
29146	TraesCS5D03G0436700	1.26763	2.25653	Up	Up
29147	TraesCS5D03G0437200	0.77332	0.71194	Down	Down
29148	TraesCS5D03G0437500	0.98316	1.0328	No	No
29149	TraesCS5D03G0437800	1.18843	0.9015	No	No
29150	TraesCS5D03G0438000	0.92579	1.18997	No	No
29151	TraesCS5D03G0438200	0.87919	0.82095	Down	Down
29153	TraesCS5D03G0438700	1.80835	0.56512	No	No
29154	TraesCS5D03G0439700	1.1218	0.46318	Up	Down
29155	TraesCS5D03G0439800	1.05812	1.40873	UP	UP
29156	TraesCS5D03G0439900	1.04449	1.11033	UP	UP
29157	TraesCS5D03G0440400	0.9284	2.03934	Down	Up
29158	TraesCS5D03G0441100	0.95574	1.41919	No	No
29159	TraesCS5D03G0441100	1.01898	1.28462	UP	UP
29160	TraesCS5D03G0441400	0.70564	3.33497	Down	Up
29161	TraesCS5D03G0441600	0.85827	1.20879	No	No
29162	TraesCS5D03G0442400	1.1159	0.60912	No	No
29163	TraesCS5D03G0442900	2.11174	5.36623	Up	Up
29164	TraesCS5D03G0444000	0.88719	1.27528	No	No
29165	TraesCS5D03G0444100	1.22283	2.64016	Up	Up
29166	TraesCS5D03G0444200	1.20716	1.37501	UP	UP
29168	TraesCS5D03G0445500	0.78209	1.37155	No	No

29169	TraesCS5D03G0446300	1.10706	2.4359	Up	Up
29170	TraesCS5D03G0446500	1.23118	1.03394	UP	UP
29171	TraesCS5D03G0447000	0.90396	3.09376	Down	Up
29172	TraesCS5D03G0447000	1.3281	2.85834	Up	Up
29173	TraesCS5D03G0447200	0.90552	2.88719	Down	Up
29175	TraesCS5D03G0447900	1.29718	1.27364	UP	UP
29176	TraesCS5D03G0448000	0.65619	2.81912	Down	Up
29177	TraesCS5D03G0448300	1.3562	1.41996	UP	UP
29179	TraesCS5D03G0449900	0.71547	1.13143	No	No
29180	TraesCS5D03G0450900	1.23239	1.16179	UP	UP
29181	TraesCS5D03G0451000	1.36371	0.65408	No	No
29182	TraesCS5D03G0451200	0.92196	2.08964	Down	Up
29183	TraesCS5D03G0452900	1.50579	0.48598	Up	Down
29184	TraesCS5D03G0453200	0.77957	9.76353	Down	Up
29185	TraesCS5D03G0453600	1.3093	4.07166	Up	Up
29186	TraesCS5D03G0453700	1.24776	1.35212	UP	UP
29187	TraesCS5D03G0454100	1.20594	0.6346	No	No
29190	TraesCS5D03G0454700	1.10168	1.14894	UP	UP
29191	TraesCS5D03G0455400	1.60941	1.67418	UP	UP
29192	TraesCS5D03G0455500	0.96388	1.57238	No	No
29194	TraesCS5D03G0455800	1.69093	2.53243	Up	Up
29195	TraesCS5D03G0456100	0.78287	1.50109	No	No
29196	TraesCS5D03G0456200	0.75188	1.11552	No	No
29197	TraesCS5D03G0456300	0.93936	2.04252	Down	Up
29198	TraesCS5D03G0456400	1.06195	1.68235	UP	UP
29199	TraesCS5D03G0456500	1.19509	1.12311	UP	UP
29200	TraesCS5D03G0456800	0.86858	0.93858	Down	Down
29201	TraesCS5D03G0458200	0.86004	2.14556	Down	Up
29202	TraesCS5D03G0458500	0.78323	1.6366	No	No
29203	TraesCS5D03G0459000	0.77234	2.86348	Down	Up
29205	TraesCS5D03G0460100	0.55517	6.78319	Down	Up
29206	TraesCS5D03G0460100	0.53625	2.95793	Down	Up
29207	TraesCS5D03G0461800	1.20741	0.55878	No	No
29208	TraesCS5D03G0462100	0.90768	1.94385	No	No
29209	TraesCS5D03G0462400	1.09891	1.19809	UP	UP
29210	TraesCS5D03G0463200	1.06056	2.18789	Up	Up
29211	TraesCS5D03G0463300	0.9312	1.21824	No	No
29213	TraesCS5D03G0463600	0.72018	0.73021	Down	Down
29214	TraesCS5D03G0463700	0.83126	1.17558	No	No
29215	TraesCS5D03G0464000	0.65151	1.50413	No	No
29216	TraesCS5D03G0464100	1.00264	1.79718	UP	UP
29217	TraesCS5D03G0464300	1.5555	1.32275	UP	UP
29218	TraesCS5D03G0464300	1.55392	1.45948	UP	UP
29219	TraesCS5D03G0464400	1.33303	1.31229	UP	UP
29220	TraesCS5D03G0467000	1.15866	0.73103	No	No
29222	TraesCS5D03G0468200	1.04407	0.79818	No	No
29223	TraesCS5D03G0468400	1.12439	1.15674	UP	UP
29225	TraesCS5D03G0469100	0.97662	0.62995	Down	Down
29226	TraesCS5D03G0469200	0.81258	4.58415	Down	Up
29227	TraesCS5D03G0470200	1.01544	1.10305	UP	UP
29228	TraesCS5D03G0470700	0.83396	2.40135	Down	Up
29230	TraesCS5D03G0471900	1.32206	1.77147	UP	UP

29231	TraesCS5D03G0472600	1.14124	1.24767	UP	UP
29233	TraesCS5D03G0473400	0.77917	0.45998	Down	Down
29234	TraesCS5D03G0473600	0.87131	1.11109	No	No
29235	TraesCS5D03G0474200	0.59682	1.58543	No	No
29236	TraesCS5D03G0475200	1.21118	1.27853	UP	UP
29238	TraesCS5D03G0476100	0.8373	1.22962	No	No
29239	TraesCS5D03G0476400	0.76525	6.10159	Down	Up
29241	TraesCS5D03G0477200	0.85174	1.37706	No	No
29242	TraesCS5D03G0477500	1.13093	1.17043	UP	UP
29243	TraesCS5D03G0478200	0.91897	0.99289	Down	Down
29244	TraesCS5D03G0478400	0.83015	1.21688	No	No
29245	TraesCS5D03G0478600	0.63202	2.59404	Down	Up
29246	TraesCS5D03G0478600	1.06536	2.90012	Up	Up
29247	TraesCS5D03G0478700	0.75783	1.09092	No	No
29248	TraesCS5D03G0479700	0.90515	1.21906	No	No
29249	TraesCS5D03G0480000	0.99549	0.4863	Down	Down
29250	TraesCS5D03G0480300	1.17153	0.99249	No	No
29252	TraesCS5D03G0480700	1.25116	0.72564	No	No
29253	TraesCS5D03G0481700	1.30969	0.40679	Up	Down
29255	TraesCS5D03G0483200	1.28233	2.03639	Up	Up
29256	TraesCS5D03G0483400	0.36038	4.02115	Down	Up
29257	TraesCS5D03G0483500	1.22435	1.10375	UP	UP
29258	TraesCS5D03G0483600	0.86967	1.12274	No	No
29259	TraesCS5D03G0483800	0.89238	1.26751	No	No
29260	TraesCS5D03G0484600	0.88514	0.4086	Down	Down
29261	TraesCS5D03G0485500	1.19508	0.68714	No	No
29262	TraesCS5D03G0486400	1.35664	2.15963	Up	Up
29263	TraesCS5D03G0486400	1.03236	1.07332	UP	UP
29264	TraesCS5D03G0486500	0.83718	1.68531	No	No
29265	TraesCS5D03G0486700	1.03634	0.56546	No	No
29266	TraesCS5D03G0487900	0.75696	1.78777	No	No
29267	TraesCS5D03G0488500	0.84004	1.25163	No	No
29268	TraesCS5D03G0488700	0.83611	1.71824	No	No
29269	TraesCS5D03G0489000	0.99484	1.38697	No	No
29270	TraesCS5D03G0489300	1.33567	1.43839	UP	UP
29271	TraesCS5D03G0489600	0.96572	1.04141	No	No
29272	TraesCS5D03G0489900	0.86932	1.66431	No	No
29273	TraesCS5D03G0490100	1.34392	0.81133	No	No
29274	TraesCS5D03G0490500	1.11397	1.22958	UP	UP
29275	TraesCS5D03G0490600	1.07244	0.29917	Up	Down
29276	TraesCS5D03G0491000	1.11017	0.81643	No	No
29278	TraesCS5D03G0492700	5.92929	1.06903	Up	Up
29279	TraesCS5D03G0492800	1.16255	1.76098	UP	UP
29280	TraesCS5D03G0493000	0.7065	0.51627	Down	Down
29281	TraesCS5D03G0493900	1.17621	0.79317	No	No
29283	TraesCS5D03G0495200	0.67849	1.236	No	No
29284	TraesCS5D03G0495600	0.76879	2.07688	Down	Up
29286	TraesCS5D03G0496300	0.70178	1.61879	No	No
29287	TraesCS5D03G0496400	0.84157	1.79497	No	No
29288	TraesCS5D03G0496900	1.0186	0.64443	No	No
29289	TraesCS5D03G0497100	1.79011	0.87864	No	No
29290	TraesCS5D03G0497600	0.70083	1.18914	No	No

29292	TraesCS5D03G0499600	1.11162	0.9599	No	No
29293	TraesCS5D03G0499700	1.18129	1.17691	UP	UP
29294	TraesCS5D03G0500300	1.35877	0.91237	No	No
29295	TraesCS5D03G0500400	1.10476	0.65884	No	No
29296	TraesCS5D03G0501100	1.17466	0.52722	No	No
29299	TraesCS5D03G0502300	0.65857	1.14202	No	No
29300	TraesCS5D03G0503100	0.82094	1.23488	No	No
29301	TraesCS5D03G0503600	1.42874	0.83893	No	No
29302	TraesCS5D03G0504800	0.89802	0.63694	Down	Down
29303	TraesCS5D03G0505000	0.80419	1.48813	No	No
29307	TraesCS5D03G0507100	0.85656	1.49227	No	No
29308	TraesCS5D03G0507200	1.12865	2.80929	Up	Up
29309	TraesCS5D03G0507800	1.07828	0.29393	Up	Down
29310	TraesCS5D03G0508500	1.16427	1.57808	UP	UP
29311	TraesCS5D03G0509100	0.68895	0.9106	Down	Down
29312	TraesCS5D03G0509300	0.1747	4.43584	Down	Up
29313	TraesCS5D03G0509500	0.18793	4.43532	Down	Up
29314	TraesCS5D03G0509600	0.97944	1.63644	No	No
29315	TraesCS5D03G0509700	0.90474	1.3051	No	No
29316	TraesCS5D03G0510000	0.68034	0.56813	Down	Down
29317	TraesCS5D03G0510200	1.93121	1.17986	UP	UP
29318	TraesCS5D03G0510600	0.73143	1.30012	No	No
29319	TraesCS5D03G0510600	1.06718	1.19099	UP	UP
29320	TraesCS5D03G0510700	1.27705	1.51055	UP	UP
29321	TraesCS5D03G0511400	1.90321	1.37651	UP	UP
29322	TraesCS5D03G0512500	0.82062	1.08272	No	No
29323	TraesCS5D03G0512700	0.85346	0.46975	Down	Down
29324	TraesCS5D03G0512800	1.0493	1.99882	UP	UP
29325	TraesCS5D03G0513300	0.87291	0.82476	Down	Down
29326	TraesCS5D03G0513600	0.90045	0.36122	Down	Down
29327	TraesCS5D03G0518400	0.36758	1.4411	Down	Up
29328	TraesCS5D03G0518700	0.52336	1.57243	No	No
29329	TraesCS5D03G0518700	0.94529	1.65588	No	No
29330	TraesCS5D03G0519000	0.91522	8.60737	Down	Up
29331	TraesCS5D03G0519500	1.01143	0.82322	No	No
29332	TraesCS5D03G0519700	0.9936	4.07256	Down	Up
29333	TraesCS5D03G0520300	1.1569	0.47726	Up	Down
29334	TraesCS5D03G0521100	0.90912	1.30689	No	No
29335	TraesCS5D03G0521200	1.01781	1.8511	UP	UP
29337	TraesCS5D03G0521800	1.57481	1.14418	UP	UP
29338	TraesCS5D03G0523200	0.90915	0.45938	Down	Down
29339	TraesCS5D03G0523300	0.87954	1.32327	No	No
29340	TraesCS5D03G0523800	1.17221	0.97041	No	No
29341	TraesCS5D03G0526700	1.84469	1.14874	UP	UP
29343	TraesCS5D03G0527300	0.94279	0.44078	Down	Down
29345	TraesCS5D03G0527700	1.34599	0.65467	No	No
29346	TraesCS5D03G0528300	1.8241	4.52239	Up	Up
29347	TraesCS5D03G0530200	0.72867	0.56959	Down	Down
29348	TraesCS5D03G0530300	1.36104	0.31955	Up	Down
29349	TraesCS5D03G0531600	0.84556	0.80823	Down	Down
29350	TraesCS5D03G0532800	2.87626	0.5103	Up	Down
29351	TraesCS5D03G0532900	0.67869	3.47574	Down	Up

29353	TraesCS5D03G0535300	0.98175	1.10009	No	No
29354	TraesCS5D03G0535700	0.84825	0.80034	Down	Down
29355	TraesCS5D03G0536000	1.0319	0.63094	No	No
29356	TraesCS5D03G0536800	1.26657	1.14654	UP	UP
29357	TraesCS5D03G0537400	1.29334	0.52378	No	No
29358	TraesCS5D03G0538000	1.27555	0.7609	No	No
29359	TraesCS5D03G0538300	0.98701	0.93996	Down	Down
29360	TraesCS5D03G0538400	1.09653	0.88822	No	No
29361	TraesCS5D03G0539000	0.76282	0.73159	Down	Down
29362	TraesCS5D03G0539100	0.76777	2.69979	Down	Up
29363	TraesCS5D03G0539200	0.98248	1.30582	No	No
29364	TraesCS5D03G0540300	0.34201	1.25618	Down	Up
29365	TraesCS5D03G0540900	0.78727	0.56178	Down	Down
29367	TraesCS5D03G0541500	0.18878	1.02877	Down	Up
29368	TraesCS5D03G0541600	0.16563	0.65692	Down	Down
29371	TraesCS5D03G0542700	0.75546	2.54867	Down	Up
29372	TraesCS5D03G0543200	1.70867	1.94013	UP	UP
29373	TraesCS5D03G0543300	3.85016	2.56458	Up	Up
29374	TraesCS5D03G0543400	3.90394	0.61307	Up	Down
29375	TraesCS5D03G0543500	1.03468	2.43878	Up	Up
29376	TraesCS5D03G0544200	1.13344	1.75406	UP	UP
29377	TraesCS5D03G0544700	1.66695	0.68461	No	No
29379	TraesCS5D03G0545400	0.84066	1.02393	No	No
29380	TraesCS5D03G0546200	0.82612	1.49389	No	No
29381	TraesCS5D03G0546500	1.00589	2.80894	Up	Up
29382	TraesCS5D03G0546800	1.04416	0.8434	No	No
29383	TraesCS5D03G0547100	1.99357	4.72137	Up	Up
29384	TraesCS5D03G0547300	0.95714	1.85891	No	No
29385	TraesCS5D03G0547400	1.08636	0.75402	No	No
29386	TraesCS5D03G0547600	0.78434	1.52352	No	No
29388	TraesCS5D03G0550300	1.07724	0.5157	No	No
29390	TraesCS5D03G0551100	0.83308	3.66902	Down	Up
29391	TraesCS5D03G0551300	0.59408	0.36665	Down	Down
29392	TraesCS5D03G0551400	0.86445	1.02464	No	No
29393	TraesCS5D03G0552200	0.71616	0.16208	Down	Down
29394	TraesCS5D03G0552400	1.34748	0.67204	No	No
29396	TraesCS5D03G0552800	1.4937	1.26652	UP	UP
29397	TraesCS5D03G0552900	0.73893	10.5061	Down	Up
29398	TraesCS5D03G0553100	1.72693	0.25314	Up	Down
29399	TraesCS5D03G0553200	0.64417	1.20933	No	No
29400	TraesCS5D03G0553800	0.79991	1.61747	No	No
29401	TraesCS5D03G0553800	1.12291	1.59431	UP	UP
29402	TraesCS5D03G0554100	1.10282	1.46988	UP	UP
29403	TraesCS5D03G0554200	0.76668	0.44645	Down	Down
29405	TraesCS5D03G0555200	0.8137	1.20468	No	No
29406	TraesCS5D03G0556000	0.49705	3.34302	Down	Up
29407	TraesCS5D03G0556900	1.57083	0.57513	No	No
29408	TraesCS5D03G0557400	1.13612	1.66214	UP	UP
29409	TraesCS5D03G0558300	0.72813	13.3406	Down	Up
29410	TraesCS5D03G0559000	1.04545	0.86387	No	No
29411	TraesCS5D03G0559100	0.88356	0.51594	Down	Down
29412	TraesCS5D03G0561100	1.12547	6.19833	Up	Up

29413	TraesCS5D03G0561200	1.00069	1.49705	UP	UP
29414	TraesCS5D03G0561500	0.88558	2.1024	Down	Up
29415	TraesCS5D03G0561600	0.98245	1.19472	No	No
29416	TraesCS5D03G0562400	0.89872	0.78817	Down	Down
29417	TraesCS5D03G0562500	1.15448	0.64908	No	No
29418	TraesCS5D03G0562700	0.97759	0.8623	Down	Down
29419	TraesCS5D03G0562800	0.92749	1.02851	No	No
29420	TraesCS5D03G0563500	1.84561	2.96946	Up	Up
29421	TraesCS5D03G0564500	0.98226	0.90222	Down	Down
29422	TraesCS5D03G0565200	1.0161	0.73665	No	No
29423	TraesCS5D03G0565200	0.70514	0.74147	Down	Down
29424	TraesCS5D03G0565500	1.6418	0.77212	No	No
29425	TraesCS5D03G0566700	1.31612	2.12516	Up	Up
29427	TraesCS5D03G0569000	0.89045	1.01664	No	No
29428	TraesCS5D03G0569300	0.84013	0.55663	Down	Down
29429	TraesCS5D03G0570000	0.95061	1.5803	No	No
29430	TraesCS5D03G0570500	0.93869	1.16955	No	No
29431	TraesCS5D03G0570600	0.44409	2.20618	Down	Up
29432	TraesCS5D03G0571200	0.93969	2.4064	Down	Up
29433	TraesCS5D03G0571300	0.99158	0.39275	Down	Down
29434	TraesCS5D03G0571400	0.7754	8.87189	Down	Up
29435	TraesCS5D03G0572200	0.98739	0.82045	Down	Down
29437	TraesCS5D03G0573300	0.98307	2.78202	Down	Up
29438	TraesCS5D03G0573500	1.16038	0.71419	No	No
29439	TraesCS5D03G0574000	0.89725	0.8677	Down	Down
29440	TraesCS5D03G0574100	0.98064	1.49776	No	No
29441	TraesCS5D03G0574300	1.02104	0.67401	No	No
29442	TraesCS5D03G0574500	2.08947	1.31198	Up	Up
29445	TraesCS5D03G0576400	0.95476	0.72859	Down	Down
29446	TraesCS5D03G0576600	0.64583	3.03274	Down	Up
29447	TraesCS5D03G0581000	0.91947	0.96498	Down	Down
29448	TraesCS5D03G0581300	1.21843	0.42056	Up	Down
29449	TraesCS5D03G0581300	3.14953	0.42488	Up	Down
29451	TraesCS5D03G0583000	1.09071	0.80738	No	No
29452	TraesCS5D03G0583700	0.35978	7.92322	Down	Up
29453	TraesCS5D03G0584200	0.68758	1.10569	No	No
29454	TraesCS5D03G0584400	1.05301	2.44631	Up	Up
29455	TraesCS5D03G0584500	0.95774	0.73484	Down	Down
29456	TraesCS5D03G0584600	1.78191	1.96048	UP	UP
29457	TraesCS5D03G0585200	1.56912	1.54579	UP	UP
29458	TraesCS5D03G0587600	0.52191	1.39561	No	No
29459	TraesCS5D03G0587800	1.11962	1.00049	UP	UP
29461	TraesCS5D03G0588700	0.93186	0.51028	Down	Down
29463	TraesCS5D03G0590500	0.9081	1.10223	No	No
29464	TraesCS5D03G0590700	0.75355	2.57546	Down	Up
29465	TraesCS5D03G0591300	2.2543	0.79476	Up	Down
29466	TraesCS5D03G0591400	0.76679	7.88063	Down	Up
29467	TraesCS5D03G0591500	0.53301	4.65004	Down	Up
29471	TraesCS5D03G0592200	0.70879	1.85098	No	No
29472	TraesCS5D03G0594300	1.01855	1.22883	UP	UP
29473	TraesCS5D03G0595400	0.80602	0.58032	Down	Down
29474	TraesCS5D03G0595900	0.56173	0.88119	Down	Down

29476	TraesCS5D03G0596500	1.07614	0.59056	No	No
29477	TraesCS5D03G0597100	1.36915	0.96227	No	No
29478	TraesCS5D03G0597400	0.39523	0.45959	Down	Down
29479	TraesCS5D03G0597700	1.24694	1.41742	UP	UP
29480	TraesCS5D03G0598500	1.08748	1.32389	UP	UP
29481	TraesCS5D03G0600000	1.53283	0.31589	Up	Down
29482	TraesCS5D03G0600200	1.01954	1.28742	UP	UP
29483	TraesCS5D03G0600500	0.87746	1.87772	No	No
29484	TraesCS5D03G0600700	1.16493	1.08257	UP	UP
29486	TraesCS5D03G0601100	1.40453	0.35408	Up	Down
29488	TraesCS5D03G0601800	1.26926	1.08985	UP	UP
29489	TraesCS5D03G0602000	1.2118	0.57622	No	No
29491	TraesCS5D03G0604700	1.32215	1.0871	UP	UP
29492	TraesCS5D03G0606200	1.17746	1.26704	UP	UP
29493	TraesCS5D03G0606300	1.53003	2.01154	UP	UP
29494	TraesCS5D03G0606900	1.43265	0.3443	Up	Down
29495	TraesCS5D03G0607100	1.03657	0.34526	Up	Down
29496	TraesCS5D03G0607200	0.68727	0.67052	Down	Down
29497	TraesCS5D03G0607800	0.44889	0.90509	Down	Down
29498	TraesCS5D03G0608300	0.70935	1.1615	No	No
29499	TraesCS5D03G0608700	1.00295	0.26645	Up	Down
29500	TraesCS5D03G0608800	0.85136	1.66844	No	No
29502	TraesCS5D03G0610500	0.97037	2.02795	Down	Up
29503	TraesCS5D03G0610600	0.66502	0.46494	Down	Down
29505	TraesCS5D03G0611900	0.94071	1.76387	No	No
29506	TraesCS5D03G0612300	0.67729	0.60087	Down	Down
29507	TraesCS5D03G0614200	0.8354	0.68739	Down	Down
29508	TraesCS5D03G0614600	0.94232	1.3477	No	No
29509	TraesCS5D03G0614900	1.02249	0.66403	No	No
29510	TraesCS5D03G0615200	0.86373	2.70641	Down	Up
29511	TraesCS5D03G0615300	1.68858	0.6695	No	No
29512	TraesCS5D03G0615700	0.80706	0.78295	Down	Down
29513	TraesCS5D03G0616300	0.75726	1.20963	No	No
29515	TraesCS5D03G0618400	1.12959	1.30382	UP	UP
29518	TraesCS5D03G0619900	0.86718	0.51953	Down	Down
29519	TraesCS5D03G0620500	0.79145	17.9746	Down	Up
29520	TraesCS5D03G0622200	0.92258	2.6493	Down	Up
29522	TraesCS5D03G0622900	1.38877	2.19312	Up	Up
29523	TraesCS5D03G0623800	1.30115	0.51609	No	No
29524	TraesCS5D03G0624200	0.84678	1.46398	No	No
29525	TraesCS5D03G0624300	1.61267	1.0638	UP	UP
29526	TraesCS5D03G0624500	1.01083	0.66285	No	No
29527	TraesCS5D03G0625100	1.05943	0.97425	No	No
29528	TraesCS5D03G0625800	0.96464	0.97055	Down	Down
29529	TraesCS5D03G0625900	1.34822	1.83718	UP	UP
29531	TraesCS5D03G0626400	0.81952	1.00933	No	No
29532	TraesCS5D03G0626700	0.90935	1.86179	No	No
29533	TraesCS5D03G0627100	0.90216	0.79463	Down	Down
29534	TraesCS5D03G0628700	0.92172	1.15447	No	No
29535	TraesCS5D03G0628900	1.15907	1.57385	UP	UP
29536	TraesCS5D03G0629100	0.75578	0.68255	Down	Down
29537	TraesCS5D03G0629400	1.24878	1.14994	UP	UP

29538	TraesCS5D03G0629500	1.44392	0.98257	No	No
29539	TraesCS5D03G0629700	0.77834	0.99706	Down	Down
29540	TraesCS5D03G0629900	4.79345	0.51037	Up	Down
29541	TraesCS5D03G0630300	1.04999	1.09535	UP	UP
29543	TraesCS5D03G0632400	0.58229	1.16799	No	No
29545	TraesCS5D03G0633400	2.08771	1.84612	UP	UP
29546	TraesCS5D03G0633900	0.95214	1.28586	No	No
29548	TraesCS5D03G0635500	1.09536	1.95515	UP	UP
29549	TraesCS5D03G0635900	0.99845	0.1639	Down	Down
29550	TraesCS5D03G0637900	1.09325	0.35011	Up	Down
29551	TraesCS5D03G0637900	1.31719	0.86494	No	No
29552	TraesCS5D03G0638600	1.43872	0.79098	No	No
29553	TraesCS5D03G0638700	0.56104	2.18893	Down	Up
29554	TraesCS5D03G0638800	1.35452	0.95382	No	No
29555	TraesCS5D03G0639000	0.87985	2.43002	Down	Up
29557	TraesCS5D03G0639300	1.44382	1.17785	UP	UP
29558	TraesCS5D03G0640600	1.2264	0.97623	No	No
29559	TraesCS5D03G0640600	1.0893	1.47327	UP	UP
29560	TraesCS5D03G0640700	0.68681	0.63624	Down	Down
29561	TraesCS5D03G0640700	0.99016	1.82005	No	No
29564	TraesCS5D03G0642200	0.65232	1.03348	No	No
29565	TraesCS5D03G0642300	1.07055	1.31618	UP	UP
29566	TraesCS5D03G0645100	1.44373	0.37357	Up	Down
29567	TraesCS5D03G0645300	0.79279	1.4628	No	No
29568	TraesCS5D03G0645800	1.2742	1.35119	UP	UP
29569	TraesCS5D03G0646100	1.84793	1.29727	UP	UP
29570	TraesCS5D03G0646200	1.90472	0.96629	No	No
29571	TraesCS5D03G0647200	1.10559	1.57236	UP	UP
29572	TraesCS5D03G0647800	0.86508	1.16067	No	No
29573	TraesCS5D03G0648000	0.7092	1.13762	No	No
29574	TraesCS5D03G0648100	0.50525	0.53004	Down	Down
29575	TraesCS5D03G0648700	1.324	0.54416	No	No
29576	TraesCS5D03G0649800	1.09021	1.37262	UP	UP
29577	TraesCS5D03G0649800	0.33494	1.00436	Down	Up
29578	TraesCS5D03G0651700	1.1974	1.38212	UP	UP
29580	TraesCS5D03G0652100	0.95796	0.97789	Down	Down
29583	TraesCS5D03G0654800	0.76687	1.54207	No	No
29584	TraesCS5D03G0654900	1.13937	0.64344	No	No
29585	TraesCS5D03G0654900	1.21216	0.91486	No	No
29586	TraesCS5D03G0655000	0.78267	1.18482	No	No
29587	TraesCS5D03G0655100	0.83793	1.97801	No	No
29589	TraesCS5D03G0655600	1.55449	2.12501	Up	Up
29590	TraesCS5D03G0657100	1.35939	0.39621	Up	Down
29591	TraesCS5D03G0658000	1.17651	1.29818	UP	UP
29592	TraesCS5D03G0658100	0.89009	0.80136	Down	Down
29593	TraesCS5D03G0658500	2.64059	1.82778	Up	Up
29594	TraesCS5D03G0660000	0.98873	1.11548	No	No
29595	TraesCS5D03G0660000	0.94748	1.04746	No	No
29596	TraesCS5D03G0660100	0.92346	0.64623	Down	Down
29597	TraesCS5D03G0660100	1.15145	0.9614	No	No
29598	TraesCS5D03G0660800	0.76176	0.83546	Down	Down
29600	TraesCS5D03G0662200	1.35741	1.79098	UP	UP

29602	TraesCS5D03G0663900	0.99118	0.80238	Down	Down
29603	TraesCS5D03G0664300	0.63005	1.51915	No	No
29604	TraesCS5D03G0664700	1.21403	0.93103	No	No
29605	TraesCS5D03G0664800	0.75659	0.72472	Down	Down
29606	TraesCS5D03G0665000	1.36561	0.51687	No	No
29607	TraesCS5D03G0666400	1.44763	1.37195	UP	UP
29608	TraesCS5D03G0666500	0.99008	1.56766	No	No
29609	TraesCS5D03G0666800	0.86232	1.15693	No	No
29610	TraesCS5D03G0667700	0.56983	3.38616	Down	Up
29611	TraesCS5D03G0667800	1.08814	1.03734	UP	UP
29612	TraesCS5D03G0668700	1.64721	0.97935	No	No
29616	TraesCS5D03G0670500	1.66775	2.46884	Up	Up
29617	TraesCS5D03G0671500	0.80677	2.06784	Down	Up
29618	TraesCS5D03G0672400	0.45824	1.04424	Down	Up
29619	TraesCS5D03G0673400	0.74393	1.56921	No	No
29620	TraesCS5D03G0673600	0.64586	1.41456	No	No
29621	TraesCS5D03G0675300	0.89979	1.32994	No	No
29623	TraesCS5D03G0678100	1.3426	0.90213	No	No
29625	TraesCS5D03G0679800	0.96603	1.05517	No	No
29626	TraesCS5D03G0680800	2.12319	0.35131	Up	Down
29627	TraesCS5D03G0681000	0.68242	2.63892	Down	Up
29628	TraesCS5D03G0681100	0.82294	0.79444	Down	Down
29630	TraesCS5D03G0681500	0.91576	1.41248	No	No
29631	TraesCS5D03G0681600	0.87782	1.21148	No	No
29633	TraesCS5D03G0682500	0.89636	1.71554	No	No
29634	TraesCS5D03G0682700	0.72542	1.20051	No	No
29635	TraesCS5D03G0683300	1.0536	0.91847	No	No
29637	TraesCS5D03G0683800	0.65419	1.82938	No	No
29638	TraesCS5D03G0684600	0.79871	0.85461	Down	Down
29639	TraesCS5D03G0686200	1.1559	0.96977	No	No
29640	TraesCS5D03G0687600	1.89493	0.33811	Up	Down
29641	TraesCS5D03G0687700	1.44859	0.79341	No	No
29642	TraesCS5D03G0687800	2.11864	0.82217	Up	Down
29643	TraesCS5D03G0688300	1.50733	0.58233	No	No
29644	TraesCS5D03G0688500	1.79974	1.68699	UP	UP
29645	TraesCS5D03G0688700	0.95212	0.93808	Down	Down
29646	TraesCS5D03G0689000	1.03713	3.2852	Up	Up
29647	TraesCS5D03G0689100	1.14532	1.94213	UP	UP
29648	TraesCS5D03G0689200	0.65835	0.96821	Down	Down
29649	TraesCS5D03G0689400	0.77642	0.76904	Down	Down
29650	TraesCS5D03G0689700	0.91909	1.09619	No	No
29651	TraesCS5D03G0689900	1.35822	0.21168	Up	Down
29652	TraesCS5D03G0690200	0.99932	1.36014	No	No
29653	TraesCS5D03G0691100	0.54499	2.30712	Down	Up
29654	TraesCS5D03G0691200	1.23898	0.55686	No	No
29655	TraesCS5D03G0691400	1.2381	0.90354	No	No
29656	TraesCS5D03G0691800	1.30798	2.20868	Up	Up
29657	TraesCS5D03G0692700	1.04166	1.69819	UP	UP
29658	TraesCS5D03G0693000	1.08801	1.68515	UP	UP
29660	TraesCS5D03G0694100	0.36366	2.39918	Down	Up
29661	TraesCS5D03G0694600	0.82921	1.16843	No	No
29662	TraesCS5D03G0694700	1.14874	1.69369	UP	UP

29663	TraesCS5D03G0695200	0.97033	0.99373	Down	Down
29664	TraesCS5D03G0695300	0.93545	0.99949	Down	Down
29665	TraesCS5D03G0695700	0.72191	3.92276	Down	Up
29668	TraesCS5D03G0696400	0.75881	0.38807	Down	Down
29669	TraesCS5D03G0696500	1.16455	0.84466	No	No
29670	TraesCS5D03G0696600	0.75797	1.43069	No	No
29672	TraesCS5D03G0697400	2.5927	0.67719	Up	Down
29673	TraesCS5D03G0697800	1.02845	0.55956	No	No
29674	TraesCS5D03G0698700	0.87997	1.97303	No	No
29675	TraesCS5D03G0698900	1.17287	1.54926	UP	UP
29676	TraesCS5D03G0699100	1.24534	1.25443	UP	UP
29677	TraesCS5D03G0699200	0.96639	0.6333	Down	Down
29678	TraesCS5D03G0701500	0.86008	1.13278	No	No
29679	TraesCS5D03G0701800	0.77039	1.25728	No	No
29680	TraesCS5D03G0703100	1.03035	0.99075	No	No
29681	TraesCS5D03G0703200	1.22971	0.81328	No	No
29682	TraesCS5D03G0703300	0.94548	1.12887	No	No
29683	TraesCS5D03G0703400	0.88774	0.91547	Down	Down
29684	TraesCS5D03G0704400	0.67667	1.09605	No	No
29685	TraesCS5D03G0704500	1.19528	0.5326	No	No
29686	TraesCS5D03G0705200	0.76743	1.66915	No	No
29687	TraesCS5D03G0705600	0.96274	0.25856	Down	Down
29688	TraesCS5D03G0705700	1.02436	0.80923	No	No
29689	TraesCS5D03G0706400	1.0882	1.70634	UP	UP
29690	TraesCS5D03G0707200	41.8066	0.47527	Up	Down
29691	TraesCS5D03G0707400	0.66179	1.33882	No	No
29692	TraesCS5D03G0708500	1.13208	1.46103	UP	UP
29693	TraesCS5D03G0708600	0.95222	2.2671	Down	Up
29694	TraesCS5D03G0709700	0.83217	1.18096	No	No
29695	TraesCS5D03G0709800	1.10468	0.7354	No	No
29696	TraesCS5D03G0710200	0.92427	0.91092	Down	Down
29698	TraesCS5D03G0713000	1.59628	0.55122	No	No
29699	TraesCS5D03G0713600	0.84421	0.51344	Down	Down
29701	TraesCS5D03G0715300	0.76277	1.48584	No	No
29702	TraesCS5D03G0720800	1.30119	1.58833	UP	UP
29703	TraesCS5D03G0720900	0.95093	0.82579	Down	Down
29704	TraesCS5D03G0721000	1.3053	0.88446	No	No
29705	TraesCS5D03G0721600	1.18843	0.97483	No	No
29706	TraesCS5D03G0722100	0.83888	1.80628	No	No
29707	TraesCS5D03G0722700	1.06096	0.23552	Up	Down
29708	TraesCS5D03G0723300	0.73637	1.20182	No	No
29709	TraesCS5D03G0723700	1.10143	0.40761	Up	Down
29710	TraesCS5D03G0726200	0.82488	1.496	No	No
29713	TraesCS5D03G0726600	1.13234	0.38622	Up	Down
29714	TraesCS5D03G0726700	0.99428	1.15552	No	No
29715	TraesCS5D03G0727100	0.64722	2.60381	Down	Up
29716	TraesCS5D03G0727400	0.89499	0.3831	Down	Down
29717	TraesCS5D03G0728000	0.83557	1.44704	No	No
29718	TraesCS5D03G0728300	0.84368	1.74956	No	No
29719	TraesCS5D03G0728900	0.97059	0.66291	Down	Down
29720	TraesCS5D03G0729100	1.83063	0.6187	No	No
29721	TraesCS5D03G0729200	1.13423	0.94834	No	No

29722	TraesCS5D03G0729600	0.76617	0.43821	Down	Down
29723	TraesCS5D03G0730100	2.72217	0.47064	Up	Down
29724	TraesCS5D03G0731100	1.04781	0.93779	No	No
29725	TraesCS5D03G0731200	1.11572	0.47965	Up	Down
29726	TraesCS5D03G0731500	0.69038	0.65316	Down	Down
29727	TraesCS5D03G0731800	1.21789	1.15475	UP	UP
29728	TraesCS5D03G0731900	0.9506	1.02226	No	No
29729	TraesCS5D03G0731900	1.63081	0.79112	No	No
29730	TraesCS5D03G0732000	0.72822	1.52703	No	No
29731	TraesCS5D03G0732200	1.20549	1.38786	UP	UP
29732	TraesCS5D03G0734500	1.38107	0.74219	No	No
29733	TraesCS5D03G0734700	2.40967	0.68522	Up	Down
29734	TraesCS5D03G0734800	0.80863	1.2353	No	No
29735	TraesCS5D03G0735400	0.59656	0.29078	Down	Down
29737	TraesCS5D03G0737200	1.02914	1.02705	UP	UP
29739	TraesCS5D03G0737600	1.08461	1.28465	UP	UP
29740	TraesCS5D03G0738200	2.51625	0.56699	Up	Down
29743	TraesCS5D03G0739200	0.29004	4.72786	Down	Up
29744	TraesCS5D03G0739300	2.15464	0.45234	Up	Down
29745	TraesCS5D03G0739400	1.08225	0.86991	No	No
29746	TraesCS5D03G0739500	1.32167	2.01194	Up	Up
29747	TraesCS5D03G0739700	0.79211	1.54034	No	No
29748	TraesCS5D03G0739900	0.39931	0.88447	Down	Down
29749	TraesCS5D03G0741100	0.624	4.21342	Down	Up
29750	TraesCS5D03G0741600	0.70967	0.02321	Down	Down
29752	TraesCS5D03G0743600	0.89413	1.58283	No	No
29753	TraesCS5D03G0743700	0.96035	0.78614	Down	Down
29754	TraesCS5D03G0744600	0.84773	0.74469	Down	Down
29755	TraesCS5D03G0744700	0.89412	0.6191	Down	Down
29756	TraesCS5D03G0745100	0.90432	1.04388	No	No
29758	TraesCS5D03G0745400	0.90579	0.66389	Down	Down
29759	TraesCS5D03G0745600	0.77908	0.85985	Down	Down
29760	TraesCS5D03G0745800	1.1008	1.38189	UP	UP
29761	TraesCS5D03G0746000	1.02627	2.12079	Up	Up
29762	TraesCS5D03G0747200	1.12693	0.49851	Up	Down
29763	TraesCS5D03G0747300	2.49928	0.59814	Up	Down
29764	TraesCS5D03G0749000	0.8159	3.96222	Down	Up
29765	TraesCS5D03G0749100	0.80872	0.66517	Down	Down
29766	TraesCS5D03G0749300	1.01035	0.48118	Up	Down
29767	TraesCS5D03G0750300	0.50957	6.3285	Down	Up
29768	TraesCS5D03G0750900	0.69487	0.86096	Down	Down
29769	TraesCS5D03G0751600	1.15538	0.29647	Up	Down
29770	TraesCS5D03G0752900	0.93817	1.32448	No	No
29772	TraesCS5D03G0753700	0.50877	1.06051	No	No
29775	TraesCS5D03G0756200	1.32249	0.76796	No	No
29776	TraesCS5D03G0756500	0.72209	3.53297	Down	Up
29777	TraesCS5D03G0756700	0.87802	1.55412	No	No
29778	TraesCS5D03G0758300	0.79769	1.04493	No	No
29779	TraesCS5D03G0758500	1.14135	2.50162	Up	Up
29780	TraesCS5D03G0759000	0.68871	0.88178	Down	Down
29781	TraesCS5D03G0759500	1.1785	2.192	Up	Up
29782	TraesCS5D03G0759700	1.41037	0.1008	Up	Down

29784	TraesCS5D03G0761000	1.21453	1.40466	UP	UP
29785	TraesCS5D03G0761700	0.70236	2.53086	Down	Up
29786	TraesCS5D03G0761800	0.65758	1.03754	No	No
29787	TraesCS5D03G0762300	1.22152	1.58433	UP	UP
29788	TraesCS5D03G0762300	0.63621	1.2688	No	No
29789	TraesCS5D03G0762900	1.0574	0.82243	No	No
29790	TraesCS5D03G0763300	0.99626	1.42174	No	No
29791	TraesCS5D03G0763600	0.9878	0.93331	Down	Down
29792	TraesCS5D03G0763700	0.87939	1.12376	No	No
29793	TraesCS5D03G0764800	1.07278	1.09973	UP	UP
29795	TraesCS5D03G0766100	0.88937	2.18686	Down	Up
29796	TraesCS5D03G0769200	1.19336	0.76288	No	No
29797	TraesCS5D03G0770300	0.92363	1.32474	No	No
29798	TraesCS5D03G0772500	0.73602	1.32658	No	No
29799	TraesCS5D03G0772700	0.70824	2.35329	Down	Up
29800	TraesCS5D03G0781000	1.5852	2.04724	UP	UP
29801	TraesCS5D03G0781000	0.7461	1.28299	No	No
29802	TraesCS5D03G0781000	1.26578	1.19918	UP	UP
29804	TraesCS5D03G0782400	1.12675	1.01999	UP	UP
29805	TraesCS5D03G0782500	1.0865	1.18274	UP	UP
29806	TraesCS5D03G0782500	0.66133	0.59739	Down	Down
29807	TraesCS5D03G0784200	0.83367	1.05897	No	No
29808	TraesCS5D03G0784500	1.07522	7.86832	Up	Up
29809	TraesCS5D03G0785000	0.70797	1.19859	No	No
29810	TraesCS5D03G0790400	0.94319	1.7049	No	No
29811	TraesCS5D03G0790600	0.85058	1.3277	No	No
29812	TraesCS5D03G0797500	0.97048	1.46002	No	No
29813	TraesCS5D03G0798600	1.24541	0.93642	No	No
29814	TraesCS5D03G0798700	1.12713	0.96631	No	No
29815	TraesCS5D03G0799100	1.54552	0.15191	Up	Down
29817	TraesCS5D03G0800200	0.9506	1.22166	No	No
29818	TraesCS5D03G0800700	0.76254	3.34504	Down	Up
29819	TraesCS5D03G0802400	1.05087	0.40634	Up	Down
29821	TraesCS5D03G0803900	0.83769	0.93221	Down	Down
29822	TraesCS5D03G0805300	0.96144	1.27162	No	No
29823	TraesCS5D03G0805800	0.38739	0.038	Down	Down
29824	TraesCS5D03G0809200	0.76605	1.55455	No	No
29825	TraesCS5D03G0812600	0.9133	0.71824	Down	Down
29826	TraesCS5D03G0812800	0.43812	1.41167	Down	Up
29828	TraesCS5D03G0814400	1.90165	2.04958	UP	UP
29829	TraesCS5D03G0815800	0.95948	0.31012	Down	Down
29830	TraesCS5D03G0815900	0.75348	2.47347	Down	Up
29831	TraesCS5D03G0816300	0.87856	0.66981	Down	Down
29834	TraesCS5D03G0818600	1.25105	1.99719	UP	UP
29835	TraesCS5D03G0820700	1.18005	0.41527	Up	Down
29836	TraesCS5D03G0821200	0.48319	0.46705	Down	Down
29837	TraesCS5D03G0821300	0.95303	1.16303	No	No
29838	TraesCS5D03G0821500	0.82649	0.50501	Down	Down
29839	TraesCS5D03G0822000	0.96579	0.85876	Down	Down
29840	TraesCS5D03G0822100	0.79779	1.21113	No	No
29841	TraesCS5D03G0822300	1.08794	0.86089	No	No
29842	TraesCS5D03G0822300	0.95259	0.79947	Down	Down

29843	TraesCS5D03G0822800	1.05203	3.34581	Up	Up
29844	TraesCS5D03G0822900	0.83591	1.21762	No	No
29845	TraesCS5D03G0823500	0.84413	1.63338	No	No
29846	TraesCS5D03G0823600	1.46662	0.48161	Up	Down
29847	TraesCS5D03G0823700	1.18009	0.90027	No	No
29849	TraesCS5D03G0824300	0.50047	1.79353	No	No
29850	TraesCS5D03G0825000	0.55056	1.34364	No	No
29851	TraesCS5D03G0825900	1.61248	0.97111	No	No
29852	TraesCS5D03G0826800	0.89644	1.09598	No	No
29853	TraesCS5D03G0826900	0.88688	1.08454	No	No
29854	TraesCS5D03G0828000	1.19702	0.63761	No	No
29855	TraesCS5D03G0828300	0.678	2.03609	Down	Up
29856	TraesCS5D03G0828500	0.68601	2.5733	Down	Up
29857	TraesCS5D03G0828800	1.26273	0.93111	No	No
29858	TraesCS5D03G0828800	1.03223	0.79942	No	No
29859	TraesCS5D03G0828900	3.18502	1.29726	Up	Up
29860	TraesCS5D03G0829100	1.53423	0.73246	No	No
29861	TraesCS5D03G0829300	1.07038	1.45955	UP	UP
29862	TraesCS5D03G0830400	0.86376	0.8534	Down	Down
29863	TraesCS5D03G0830500	0.82837	1.64268	No	No
29864	TraesCS5D03G0830600	0.81398	2.50199	Down	Up
29866	TraesCS5D03G0833200	0.86633	1.47739	No	No
29867	TraesCS5D03G0835100	0.78091	2.53319	Down	Up
29868	TraesCS5D03G0835900	0.53812	1.74102	No	No
29869	TraesCS5D03G0836600	0.92414	1.12249	No	No
29870	TraesCS5D03G0837900	0.84942	0.88636	Down	Down
29871	TraesCS5D03G0838200	1.66137	1.01561	UP	UP
29872	TraesCS5D03G0839000	0.88074	1.15092	No	No
29873	TraesCS5D03G0839500	0.3789	4.12757	Down	Up
29874	TraesCS5D03G0840900	1.23293	0.47892	Up	Down
29875	TraesCS5D03G0841400	1.32371	0.8654	No	No
29876	TraesCS5D03G0841500	0.98434	0.74405	Down	Down
29877	TraesCS5D03G0841900	1.17915	2.03493	Up	Up
29878	TraesCS5D03G0843000	0.7191	0.97987	Down	Down
29879	TraesCS5D03G0844600	1.06569	0.51747	No	No
29880	TraesCS5D03G0844800	1.05902	0.70272	No	No
29881	TraesCS5D03G0847000	1.13798	1.87026	UP	UP
29882	TraesCS5D03G0847100	0.97599	1.36409	No	No
29883	TraesCS5D03G0849500	0.85891	0.86207	Down	Down
29884	TraesCS5D03G0850300	1.17459	1.94114	UP	UP
29885	TraesCS5D03G0850700	1.30709	0.69704	No	No
29886	TraesCS5D03G0851600	1.11353	1.35702	UP	UP
29887	TraesCS5D03G0852400	1.2497	0.84057	No	No
29888	TraesCS5D03G0852500	0.78608	1.30495	No	No
29889	TraesCS5D03G0852600	1.11861	1.56495	UP	UP
29891	TraesCS5D03G0853100	1.16705	1.98549	UP	UP
29892	TraesCS5D03G0853500	0.90979	0.77632	Down	Down
29893	TraesCS5D03G0853700	0.88439	0.84357	Down	Down
29894	TraesCS5D03G0854800	0.95553	1.16213	No	No
29895	TraesCS5D03G0855400	4.25691	1.59434	Up	Up
29896	TraesCS5D03G0855600	0.67136	1.30983	No	No
29897	TraesCS5D03G0855800	1.01202	1.95741	UP	UP

29899	TraesCS5D03G0856000	0.61546	0.78322	Down	Down
29900	TraesCS5D03G0856300	0.82825	0.84675	Down	Down
29903	TraesCS5D03G0857600	0.80233	1.02238	No	No
29904	TraesCS5D03G0858400	0.66929	1.9222	No	No
29905	TraesCS5D03G0858600	0.89698	1.86983	No	No
29906	TraesCS5D03G0858800	1.34557	1.33094	UP	UP
29907	TraesCS5D03G0858900	0.79889	2.3759	Down	Up
29908	TraesCS5D03G0859400	0.84406	0.82841	Down	Down
29909	TraesCS5D03G0860500	1.39994	0.45199	Up	Down
29910	TraesCS5D03G0860600	0.76817	1.43575	No	No
29911	TraesCS5D03G0860800	1.02324	1.79439	UP	UP
29912	TraesCS5D03G0861400	1.43707	0.73725	No	No
29913	TraesCS5D03G0862100	1.39932	1.15995	UP	UP
29914	TraesCS5D03G0863200	0.77319	0.71507	Down	Down
29915	TraesCS5D03G0863300	1.20459	1.48772	UP	UP
29916	TraesCS5D03G0863400	0.8801	1.18136	No	No
29917	TraesCS5D03G0864600	1.16109	1.47031	UP	UP
29918	TraesCS5D03G0864700	1.01793	1.64075	UP	UP
29919	TraesCS5D03G0864700	0.73284	2.25763	Down	Up
29922	TraesCS5D03G0865100	0.85151	1.08756	No	No
29923	TraesCS5D03G0865200	1.27294	0.35278	Up	Down
29924	TraesCS5D03G0865500	0.85226	1.93895	No	No
29925	TraesCS5D03G0865700	0.69442	0.26715	Down	Down
29926	TraesCS5D03G0867000	0.5734	0.43081	Down	Down
29927	TraesCS5D03G0867100	0.94421	0.84279	Down	Down
29928	TraesCS5D03G0867700	0.9351	1.22562	No	No
29929	TraesCS5D03G0867900	1.13061	1.67259	UP	UP
29930	TraesCS5D03G0868100	0.92784	1.15369	No	No
29932	TraesCS5D03G0871600	1.29984	1.85249	UP	UP
29933	TraesCS5D03G0871800	0.95916	0.91867	Down	Down
29934	TraesCS5D03G0871900	1.21606	0.91805	No	No
29935	TraesCS5D03G0872100	1.05825	1.40404	UP	UP
29936	TraesCS5D03G0872300	0.8418	1.60698	No	No
29937	TraesCS5D03G0873200	1.29194	3.03515	Up	Up
29940	TraesCS5D03G0876100	1.21436	1.08244	UP	UP
29941	TraesCS5D03G0877300	0.83802	1.36703	No	No
29942	TraesCS5D03G0877500	0.76272	1.22885	No	No
29943	TraesCS5D03G0878100	0.96495	1.50793	No	No
29944	TraesCS5D03G0878400	0.99462	1.77574	No	No
29945	TraesCS5D03G0879000	1.0475	1.6251	UP	UP
29946	TraesCS5D03G0879200	1.73706	0.21633	Up	Down
29947	TraesCS5D03G0879300	0.81463	2.41159	Down	Up
29948	TraesCS5D03G0880900	1.17446	2.03908	Up	Up
29949	TraesCS5D03G0881400	0.81856	1.14934	No	No
29950	TraesCS5D03G0881500	0.78312	0.61398	Down	Down
29951	TraesCS5D03G0881800	0.72929	1.07027	No	No
29952	TraesCS5D03G0881900	0.85473	0.99389	Down	Down
29954	TraesCS5D03G0883400	0.87649	1.35993	No	No
29955	TraesCS5D03G0884100	0.74887	2.74689	Down	Up
29956	TraesCS5D03G0884400	0.64788	10.0886	Down	Up
29957	TraesCS5D03G0885400	0.99962	1.08343	No	No
29958	TraesCS5D03G0885500	1.15809	0.55479	No	No

29959	TraesCS5D03G0885800	1.01037	0.53128	No	No
29960	TraesCS5D03G0885900	0.97121	0.52869	Down	Down
29961	TraesCS5D03G0886100	0.58873	0.68388	Down	Down
29962	TraesCS5D03G0886200	1.07604	0.30294	Up	Down
29963	TraesCS5D03G0886500	1.24538	1.03388	UP	UP
29964	TraesCS5D03G0886700	0.75057	1.89128	No	No
29965	TraesCS5D03G0887200	1.13936	0.70948	No	No
29966	TraesCS5D03G0887500	1.36985	0.91521	No	No
29967	TraesCS5D03G0888800	0.86241	1.96946	No	No
29968	TraesCS5D03G0891300	0.93366	1.03671	No	No
29969	TraesCS5D03G0891500	0.86764	0.71545	Down	Down
29970	TraesCS5D03G0891600	0.87017	0.85556	Down	Down
29971	TraesCS5D03G0891900	0.72189	1.73602	No	No
29972	TraesCS5D03G0892100	0.89373	0.61414	Down	Down
29973	TraesCS5D03G0892500	0.98071	1.34373	No	No
29974	TraesCS5D03G0892800	0.39978	1.23635	Down	Up
29975	TraesCS5D03G0893000	1.44479	0.35933	Up	Down
29976	TraesCS5D03G0893400	0.70735	0.69837	Down	Down
29977	TraesCS5D03G0893700	0.85495	0.41349	Down	Down
29978	TraesCS5D03G0893700	1.09195	0.69921	No	No
29979	TraesCS5D03G0894300	1.13281	1.15034	UP	UP
29980	TraesCS5D03G0894800	1.19202	0.55698	No	No
29981	TraesCS5D03G0895300	0.81457	3.89663	Down	Up
29982	TraesCS5D03G0895900	0.74049	1.94084	No	No
29983	TraesCS5D03G0896000	0.92964	1.15131	No	No
29984	TraesCS5D03G0896400	1.18221	2.47612	Up	Up
29985	TraesCS5D03G0896500	0.91784	1.30546	No	No
29986	TraesCS5D03G0897600	0.61594	1.31791	No	No
29988	TraesCS5D03G0897900	0.876	0.87826	Down	Down
29989	TraesCS5D03G0898200	0.9428	1.59453	No	No
29990	TraesCS5D03G0898700	0.92009	1.58685	No	No
29991	TraesCS5D03G0898800	2.91662	1.05308	Up	Up
29992	TraesCS5D03G0899600	0.94178	0.98906	Down	Down
29993	TraesCS5D03G0900300	0.55274	22.0933	Down	Up
29994	TraesCS5D03G0900500	0.4329	3.13061	Down	Up
29995	TraesCS5D03G0900800	0.83365	0.80264	Down	Down
29996	TraesCS5D03G0900900	1.15635	0.45944	Up	Down
29997	TraesCS5D03G0901200	0.66463	1.01417	No	No
29998	TraesCS5D03G0901600	0.82231	2.15812	Down	Up
29999	TraesCS5D03G0902000	0.68506	0.94867	Down	Down
30000	TraesCS5D03G0902700	1.29401	0.6133	No	No
30001	TraesCS5D03G0902800	1.14424	1.10618	UP	UP
30002	TraesCS5D03G0902900	1.11267	0.78416	No	No
30003	TraesCS5D03G0903200	1.44473	0.84889	No	No
30004	TraesCS5D03G0903300	1.13606	0.70012	No	No
30005	TraesCS5D03G0904600	1.01096	0.44334	Up	Down
30006	TraesCS5D03G0904700	7.96499	0.35981	Up	Down
30007	TraesCS5D03G0904800	0.73181	1.51902	No	No
30008	TraesCS5D03G0905200	0.77685	1.96604	No	No
30009	TraesCS5D03G0905900	0.74331	1.48622	No	No
30010	TraesCS5D03G0906000	0.89056	1.53089	No	No
30011	TraesCS5D03G0906100	1.00777	2.4321	Up	Up

30012	TraesCS5D03G0908300	0.67466	3.09541	Down	Up
30013	TraesCS5D03G0908400	0.87784	0.83138	Down	Down
30014	TraesCS5D03G0909000	1.11465	1.39938	UP	UP
30015	TraesCS5D03G0909100	0.54337	5.02803	Down	Up
30016	TraesCS5D03G0909300	0.94492	2.3481	Down	Up
30017	TraesCS5D03G0909500	1.07617	3.1067	Up	Up
30018	TraesCS5D03G0909900	1.25899	1.08907	UP	UP
30019	TraesCS5D03G0910500	0.72	12.3547	Down	Up
30021	TraesCS5D03G0911100	1.1076	1.80214	UP	UP
30022	TraesCS5D03G0911200	1.91717	0.75442	No	No
30023	TraesCS5D03G0911300	0.7079	0.99094	Down	Down
30025	TraesCS5D03G0911800	0.97062	0.79601	Down	Down
30026	TraesCS5D03G0911900	1.35221	0.68895	No	No
30027	TraesCS5D03G0912300	1.14516	0.2677	Up	Down
30028	TraesCS5D03G0912400	0.9301	1.14468	No	No
30030	TraesCS5D03G0912600	0.61798	0.30837	Down	Down
30031	TraesCS5D03G0912700	0.63779	2.20879	Down	Up
30032	TraesCS5D03G0913100	0.93379	1.0095	No	No
30033	TraesCS5D03G0913200	1.03429	1.38769	UP	UP
30034	TraesCS5D03G0913500	1.15849	0.44816	Up	Down
30035	TraesCS5D03G0913900	0.86784	0.18837	Down	Down
30036	TraesCS5D03G0914000	1.00057	0.98908	No	No
30037	TraesCS5D03G0914500	0.59684	0.7805	Down	Down
30038	TraesCS5D03G0915200	0.64033	1.07001	No	No
30039	TraesCS5D03G0915300	0.77946	0.70076	Down	Down
30040	TraesCS5D03G0915800	1.01599	0.2846	Up	Down
30041	TraesCS5D03G0915900	0.75055	6.2873	Down	Up
30042	TraesCS5D03G0916100	0.904	1.26511	No	No
30044	TraesCS5D03G0916900	1.49483	3.19087	Up	Up
30045	TraesCS5D03G0918900	0.6884	1.23951	No	No
30046	TraesCS5D03G0919000	0.9833	1.22849	No	No
30047	TraesCS5D03G0919300	0.97423	1.19148	No	No
30048	TraesCS5D03G0919700	0.88927	1.40133	No	No
30049	TraesCS5D03G0919800	1.3675	2.54568	Up	Up
30050	TraesCS5D03G0920100	0.63672	2.84137	Down	Up
30052	TraesCS5D03G0920700	1.03769	0.85241	No	No
30053	TraesCS5D03G0920800	0.96317	0.43856	Down	Down
30054	TraesCS5D03G0921200	1.03365	0.67852	No	No
30055	TraesCS5D03G0921600	0.78606	1.38776	No	No
30056	TraesCS5D03G0922000	1.28593	0.60968	No	No
30057	TraesCS5D03G0922200	0.94094	0.43387	Down	Down
30058	TraesCS5D03G0922400	0.94373	0.5213	Down	Down
30059	TraesCS5D03G0922500	0.81117	0.91063	Down	Down
30060	TraesCS5D03G0922800	1.23379	1.58566	UP	UP
30061	TraesCS5D03G0922900	1.11582	0.80524	No	No
30063	TraesCS5D03G0923800	0.78586	0.57242	Down	Down
30064	TraesCS5D03G0924600	0.81282	2.17429	Down	Up
30065	TraesCS5D03G0924900	0.88046	0.59774	Down	Down
30066	TraesCS5D03G0925000	0.82214	0.70266	Down	Down
30068	TraesCS5D03G0925800	0.49963	6.52825	Down	Up
30069	TraesCS5D03G0926500	0.99158	0.87196	Down	Down
30070	TraesCS5D03G0928100	1.27708	1.22438	UP	UP

30072	TraesCS5D03G0929500	0.62689	1.56453	No	No
30074	TraesCS5D03G0929900	0.77947	1.65198	No	No
30075	TraesCS5D03G0930700	0.94739	2.71709	Down	Up
30076	TraesCS5D03G0931300	0.66482	2.26899	Down	Up
30077	TraesCS5D03G0931600	0.61805	0.18742	Down	Down
30078	TraesCS5D03G0933300	0.64471	1.27525	No	No
30079	TraesCS5D03G0933900	0.66938	1.54378	No	No
30080	TraesCS5D03G0934100	1.24473	1.07342	UP	UP
30081	TraesCS5D03G0934700	1.04031	1.34925	UP	UP
30082	TraesCS5D03G0934900	0.96084	1.17166	No	No
30083	TraesCS5D03G0935000	0.93759	5.16675	Down	Up
30084	TraesCS5D03G0935400	0.72243	0.86266	Down	Down
30085	TraesCS5D03G0935600	1.81648	2.45449	Up	Up
30086	TraesCS5D03G0935700	1.11031	0.37119	Up	Down
30088	TraesCS5D03G0936800	1.24089	1.10884	UP	UP
30089	TraesCS5D03G0938500	1.51759	1.37205	UP	UP
30090	TraesCS5D03G0938500	1.05451	1.3927	UP	UP
30093	TraesCS5D03G0938900	0.58306	1.63661	No	No
30094	TraesCS5D03G0939400	0.91416	1.22092	No	No
30095	TraesCS5D03G0939700	0.7955	1.56082	No	No
30096	TraesCS5D03G0944600	1.59849	0.28849	Up	Down
30097	TraesCS5D03G0945700	1.08933	1.64059	UP	UP
30098	TraesCS5D03G0947600	0.96366	1.08493	No	No
30099	TraesCS5D03G0947800	0.8339	2.42787	Down	Up
30100	TraesCS5D03G0948200	1.59467	0.8441	No	No
30101	TraesCS5D03G0949200	1.13737	1.57452	UP	UP
30102	TraesCS5D03G0949300	0.8142	1.5529	No	No
30103	TraesCS5D03G0949500	1.33363	1.20813	UP	UP
30104	TraesCS5D03G0950700	1.02256	0.96043	No	No
30105	TraesCS5D03G0951100	0.70455	1.48705	No	No
30106	TraesCS5D03G0951200	0.79245	2.12546	Down	Up
30107	TraesCS5D03G0951300	1.41035	1.13729	UP	UP
30109	TraesCS5D03G0951800	0.87022	0.14486	Down	Down
30110	TraesCS5D03G0951900	0.76293	1.11057	No	No
30111	TraesCS5D03G0952000	1.08683	2.03965	Up	Up
30112	TraesCS5D03G0952400	1.28353	0.52585	No	No
30113	TraesCS5D03G0952500	1.03619	8.09917	Up	Up
30114	TraesCS5D03G0952600	0.9856	0.5596	Down	Down
30115	TraesCS5D03G0952700	4.11493	0.47197	Up	Down
30116	TraesCS5D03G0954000	0.93487	0.93488	Down	Down
30117	TraesCS5D03G0954600	0.9163	1.71975	No	No
30118	TraesCS5D03G0954900	0.59288	1.95331	No	No
30119	TraesCS5D03G0955200	0.5377	2.10899	Down	Up
30120	TraesCS5D03G0955300	0.90363	0.79765	Down	Down
30121	TraesCS5D03G0955400	0.86039	15.9432	Down	Up
30122	TraesCS5D03G0956100	1.09088	0.814	No	No
30123	TraesCS5D03G0957200	0.86461	1.40303	No	No
30124	TraesCS5D03G0957300	1.18856	0.74428	No	No
30125	TraesCS5D03G0957800	2.80677	0.18075	Up	Down
30126	TraesCS5D03G0958400	0.87334	1.07525	No	No
30127	TraesCS5D03G0958500	0.87429	2.64836	Down	Up
30128	TraesCS5D03G0959200	0.76599	1.10979	No	No

30129	TraesCS5D03G0959700	0.65263	1.33424	No	No
30130	TraesCS5D03G0959900	0.97899	0.48959	Down	Down
30131	TraesCS5D03G0960000	0.7713	0.86298	Down	Down
30132	TraesCS5D03G0960200	0.7287	1.17755	No	No
30133	TraesCS5D03G0962900	1.05148	1.07976	UP	UP
30134	TraesCS5D03G0963700	0.64258	0.99401	Down	Down
30135	TraesCS5D03G0963900	0.85081	0.50436	Down	Down
30136	TraesCS5D03G0966800	1.08849	3.90504	Up	Up
30137	TraesCS5D03G0967000	2.36646	0.58459	Up	Down
30138	TraesCS5D03G0968300	0.95204	6.15222	Down	Up
30139	TraesCS5D03G0968700	0.76557	1.268	No	No
30140	TraesCS5D03G0969000	1.18181	0.92199	No	No
30141	TraesCS5D03G0969100	0.93704	1.27026	No	No
30142	TraesCS5D03G0970500	1.05251	0.51955	No	No
30143	TraesCS5D03G0970600	1.03725	1.24661	UP	UP
30144	TraesCS5D03G0970700	1.19985	0.71127	No	No
30147	TraesCS5D03G0974200	0.78903	5.28377	Down	Up
30148	TraesCS5D03G0974400	0.88058	1.51785	No	No
30149	TraesCS5D03G0974700	0.46015	1.2399	Down	Up
30150	TraesCS5D03G0975000	0.7296	2.77949	Down	Up
30151	TraesCS5D03G0975200	0.98698	0.62459	Down	Down
30152	TraesCS5D03G0975600	0.65754	1.09922	No	No
30154	TraesCS5D03G0977100	1.54417	0.89512	No	No
30155	TraesCS5D03G0978900	0.7988	1.79608	No	No
30156	TraesCS5D03G0979000	1.70251	0.92456	No	No
30158	TraesCS5D03G0983200	0.95732	2.82771	Down	Up
30159	TraesCS5D03G0983300	1.07103	0.80997	No	No
30161	TraesCS5D03G0984100	0.98532	1.16047	No	No
30162	TraesCS5D03G0986300	1.03711	2.12799	Up	Up
30163	TraesCS5D03G0986400	0.88263	1.23077	No	No
30164	TraesCS5D03G0986600	1.18055	0.46836	Up	Down
30165	TraesCS5D03G0987200	0.92516	1.71506	No	No
30166	TraesCS5D03G0987300	1.28194	0.85018	No	No
30167	TraesCS5D03G0987900	0.81903	1.49101	No	No
30168	TraesCS5D03G0988300	1.09792	2.75457	Up	Up
30169	TraesCS5D03G0988500	0.80754	1.27171	No	No
30171	TraesCS5D03G0988700	0.91528	0.25631	Down	Down
30172	TraesCS5D03G0988800	0.65301	1.11569	No	No
30173	TraesCS5D03G0988900	1.6528	1.45491	UP	UP
30174	TraesCS5D03G0989000	1.00885	1.5355	UP	UP
30175	TraesCS5D03G0989500	0.85495	1.7221	No	No
30176	TraesCS5D03G0989800	0.81202	1.17917	No	No
30177	TraesCS5D03G0989900	0.73681	1.46178	No	No
30178	TraesCS5D03G0990100	0.92288	0.74009	Down	Down
30180	TraesCS5D03G0991500	0.70931	2.706	Down	Up
30181	TraesCS5D03G0991600	0.95001	1.82768	No	No
30182	TraesCS5D03G0991900	1.34837	1.06567	UP	UP
30183	TraesCS5D03G0992800	1.61413	2.87997	Up	Up
30184	TraesCS5D03G0992900	0.84177	0.96279	Down	Down
30185	TraesCS5D03G0993600	0.68562	1.55468	No	No
30186	TraesCS5D03G0994100	0.75221	1.61502	No	No
30187	TraesCS5D03G0994200	0.88016	0.46798	Down	Down

30188	TraesCS5D03G0994400	1.16006	2.04698	Up	Up
30189	TraesCS5D03G0994800	0.61469	1.22571	No	No
30190	TraesCS5D03G0994900	1.26276	1.03646	UP	UP
30191	TraesCS5D03G0995500	0.96355	1.14098	No	No
30192	TraesCS5D03G0995700	0.97724	1.54994	No	No
30193	TraesCS5D03G0996500	0.79658	0.70696	Down	Down
30194	TraesCS5D03G0996600	0.74233	1.51231	No	No
30195	TraesCS5D03G0996900	0.83635	1.54658	No	No
30196	TraesCS5D03G0998800	1.21914	3.76357	Up	Up
30197	TraesCS5D03G0998900	0.94224	2.09475	Down	Up
30198	TraesCS5D03G1000700	0.27126	0.74796	Down	Down
30199	TraesCS5D03G1000900	1.20354	0.53684	No	No
30200	TraesCS5D03G1001900	1.47119	0.64689	No	No
30206	TraesCS5D03G1016700	0.68302	1.81152	No	No
30207	TraesCS5D03G1016800	0.6983	1.71841	No	No
30208	TraesCS5D03G1021000	0.84694	0.84104	Down	Down
30210	TraesCS5D03G1024200	1.0051	0.86932	No	No
30212	TraesCS5D03G1025000	0.58024	1.23211	No	No
30214	TraesCS5D03G1025400	1.07456	0.3627	Up	Down
30215	TraesCS5D03G1025900	0.93257	0.69739	Down	Down
30217	TraesCS5D03G1026600	0.65224	1.45299	No	No
30218	TraesCS5D03G1027000	1.09075	0.95088	No	No
30219	TraesCS5D03G1027100	0.54786	7.50667	Down	Up
30220	TraesCS5D03G1027300	0.86672	1.12721	No	No
30221	TraesCS5D03G1027600	2.90957	0.31915	Up	Down
30222	TraesCS5D03G1027900	0.9187	0.22412	Down	Down
30223	TraesCS5D03G1028300	1.21687	1.46762	UP	UP
30224	TraesCS5D03G1028400	1.09333	1.08975	UP	UP
30225	TraesCS5D03G1028600	0.76874	0.2197	Down	Down
30226	TraesCS5D03G1028800	0.9267	1.44804	No	No
30227	TraesCS5D03G1029000	0.96269	1.75325	No	No
30228	TraesCS5D03G1029800	1.04424	0.96994	No	No
30229	TraesCS5D03G1030000	1.15259	2.72419	Up	Up
30230	TraesCS5D03G1030900	1.10423	0.86674	No	No
30231	TraesCS5D03G1030900	0.94425	0.57776	Down	Down
30232	TraesCS5D03G1031100	1.00897	1.57392	UP	UP
30233	TraesCS5D03G1031200	0.52962	0.77176	Down	Down
30234	TraesCS5D03G1031400	1.09264	2.02755	Up	Up
30236	TraesCS5D03G1032300	1.17132	1.19806	UP	UP
30237	TraesCS5D03G1033000	0.90571	1.35996	No	No
30238	TraesCS5D03G1033000	1.49676	0.89515	No	No
30239	TraesCS5D03G1033100	0.67212	0.16376	Down	Down
30241	TraesCS5D03G1034300	1.19261	0.9897	No	No
30242	TraesCS5D03G1037100	0.78819	1.09576	No	No
30243	TraesCS5D03G1037500	1.08464	0.37401	Up	Down
30245	TraesCS5D03G1038200	1.38087	2.19429	Up	Up
30246	TraesCS5D03G1039100	1.01514	1.0245	UP	UP
30247	TraesCS5D03G1039300	1.45921	1.20891	UP	UP
30248	TraesCS5D03G1039400	0.96337	1.09636	No	No
30252	TraesCS5D03G1042600	0.52617	2.94153	Down	Up
30253	TraesCS5D03G1042800	1.09283	0.93283	No	No
30254	TraesCS5D03G1042900	0.87782	0.5556	Down	Down

30255	TraesCS5D03G1043100	0.93549	1.33561	No	No
30256	TraesCS5D03G1044500	1.19185	1.02931	UP	UP
30257	TraesCS5D03G1045400	0.83781	1.18784	No	No
30258	TraesCS5D03G1046800	0.51157	0.4763	Down	Down
30259	TraesCS5D03G1047900	0.91149	3.03594	Down	Up
30260	TraesCS5D03G1048000	1.35319	1.25338	UP	UP
30261	TraesCS5D03G1048100	1.02128	0.58308	No	No
30263	TraesCS5D03G1051900	0.91007	3.12306	Down	Up
30264	TraesCS5D03G1052000	0.72472	6.66452	Down	Up
30265	TraesCS5D03G1052700	1.01256	0.80956	No	No
30266	TraesCS5D03G1052800	0.96679	2.06586	Down	Up
30267	TraesCS5D03G1053700	0.73016	0.98711	Down	Down
30268	TraesCS5D03G1054800	0.72266	2.34336	Down	Up
30269	TraesCS5D03G1054900	0.76068	1.99508	No	No
30271	TraesCS5D03G1055700	1.08564	7.35433	Up	Up
30272	TraesCS5D03G1056600	0.75968	0.32806	Down	Down
30273	TraesCS5D03G1057400	1.03285	0.85408	No	No
30274	TraesCS5D03G1057500	0.74908	1.44415	No	No
30276	TraesCS5D03G1057700	0.81655	0.3024	Down	Down
30277	TraesCS5D03G1058000	0.85208	1.47033	No	No
30278	TraesCS5D03G1058100	0.96345	0.99272	Down	Down
30279	TraesCS5D03G1058200	1.05592	1.36293	UP	UP
30280	TraesCS5D03G1058300	0.6417	2.34618	Down	Up
30281	TraesCS5D03G1058400	0.67916	0.62233	Down	Down
30283	TraesCS5D03G1058600	0.58909	1.44293	No	No
30285	TraesCS5D03G1059300	1.29312	1.08339	UP	UP
30286	TraesCS5D03G1059500	0.80183	1.26303	No	No
30287	TraesCS5D03G1059700	0.88197	6.73283	Down	Up
30288	TraesCS5D03G1059800	0.62826	0.92133	Down	Down
30289	TraesCS5D03G1060100	1.41105	2.63092	Up	Up
30290	TraesCS5D03G1060400	0.85983	1.71442	No	No
30291	TraesCS5D03G1060600	0.71927	0.39661	Down	Down
30292	TraesCS5D03G1060800	1.29311	0.82649	No	No
30293	TraesCS5D03G1060900	1.26344	1.80759	UP	UP
30295	TraesCS5D03G1061400	1.35276	2.07028	Up	Up
30296	TraesCS5D03G1061500	1.05824	1.06697	UP	UP
30298	TraesCS5D03G1062900	0.58349	1.0106	No	No
30299	TraesCS5D03G1064600	1.02336	10.1495	Up	Up
30300	TraesCS5D03G1065400	0.96499	0.35397	Down	Down
30301	TraesCS5D03G1065800	1.03151	1.19368	UP	UP
30302	TraesCS5D03G1067000	0.72886	1.59094	No	No
30303	TraesCS5D03G1067100	1.92342	0.175	Up	Down
30305	TraesCS5D03G1068200	0.93292	0.97153	Down	Down
30306	TraesCS5D03G1068400	1.00343	1.81718	UP	UP
30307	TraesCS5D03G1068600	1.07894	0.6884	No	No
30308	TraesCS5D03G1069100	1.32287	0.78526	No	No
30309	TraesCS5D03G1069100	1.18923	2.20517	Up	Up
30310	TraesCS5D03G1069200	0.66654	3.54573	Down	Up
30311	TraesCS5D03G1069300	1.08709	1.04267	UP	UP
30312	TraesCS5D03G1070000	1.33867	0.94543	No	No
30313	TraesCS5D03G1070200	0.64171	2.4605	Down	Up
30315	TraesCS5D03G1074900	0.96819	21.4612	Down	Up

30316	TraesCS5D03G1075000	1.54547	5.98743	Up	Up
30317	TraesCS5D03G1075100	0.86687	3.18774	Down	Up
30318	TraesCS5D03G1075200	1.38108	1.05921	UP	UP
30319	TraesCS5D03G1075900	1.092	1.5662	UP	UP
30320	TraesCS5D03G1076400	0.81711	0.86222	Down	Down
30321	TraesCS5D03G1076600	0.88413	2.52413	Down	Up
30323	TraesCS5D03G1079100	0.93206	3.33919	Down	Up
30324	TraesCS5D03G1079700	0.87171	0.77799	Down	Down
30325	TraesCS5D03G1080100	0.65184	1.43069	No	No
30327	TraesCS5D03G1080300	1.21804	1.42551	UP	UP
30328	TraesCS5D03G1081100	0.8897	0.78011	Down	Down
30329	TraesCS5D03G1081500	0.95571	1.1121	No	No
30330	TraesCS5D03G1081600	0.91191	0.50634	Down	Down
30331	TraesCS5D03G1082200	0.92221	1.79572	No	No
30332	TraesCS5D03G1082300	1.14791	0.75029	No	No
30333	TraesCS5D03G1082800	0.95303	0.57951	Down	Down
30334	TraesCS5D03G1083500	1.32517	0.94094	No	No
30335	TraesCS5D03G1083800	0.92256	0.84075	Down	Down
30336	TraesCS5D03G1084000	1.34	1.13406	UP	UP
30337	TraesCS5D03G1084800	0.74027	1.22502	No	No
30338	TraesCS5D03G1086900	0.9087	0.79425	Down	Down
30339	TraesCS5D03G1087100	1.10128	1.0729	UP	UP
30340	TraesCS5D03G1087400	0.92124	0.19956	Down	Down
30341	TraesCS5D03G1087500	1.39898	0.37337	Up	Down
30342	TraesCS5D03G1087700	1.01809	0.90237	No	No
30343	TraesCS5D03G1087800	1.11657	1.21871	UP	UP
30344	TraesCS5D03G1088200	0.89082	1.65627	No	No
30345	TraesCS5D03G1088900	0.92035	0.63434	Down	Down
30347	TraesCS5D03G1090300	0.70996	1.06505	No	No
30348	TraesCS5D03G1090800	1.12295	0.89893	No	No
30349	TraesCS5D03G1091200	1.24246	1.42203	UP	UP
30350	TraesCS5D03G1092200	0.93274	1.22715	No	No
30351	TraesCS5D03G1094500	0.88563	1.75417	No	No
30352	TraesCS5D03G1095000	1.03816	0.69604	No	No
30353	TraesCS5D03G1095200	0.82725	0.52963	Down	Down
30354	TraesCS5D03G1095400	0.95711	1.39465	No	No
30355	TraesCS5D03G1095900	1.06796	2.02027	Up	Up
30356	TraesCS5D03G1096000	0.7359	2.82399	Down	Up
30357	TraesCS5D03G1096500	0.88679	1.48004	No	No
30358	TraesCS5D03G1096600	0.83377	0.37866	Down	Down
30359	TraesCS5D03G1097300	0.80604	1.30366	No	No
30360	TraesCS5D03G1099700	0.20108	0.28546	Down	Down
30361	TraesCS5D03G1099800	0.6769	0.58837	Down	Down
30362	TraesCS5D03G1100100	0.28282	1.09589	Down	Up
30363	TraesCS5D03G1100400	1.14848	0.37474	Up	Down
30364	TraesCS5D03G1100600	0.9178	1.64942	No	No
30365	TraesCS5D03G1101100	0.80744	1.0947	No	No
30366	TraesCS5D03G1101200	1.18857	0.73097	No	No
30367	TraesCS5D03G1101500	0.96798	1.51149	No	No
30368	TraesCS5D03G1101600	1.19569	1.07022	UP	UP
30369	TraesCS5D03G1102600	1.09314	0.95755	No	No
30370	TraesCS5D03G1102900	1.33962	0.26292	Up	Down

30371	TraesCS5D03G1103800	0.67263	0.23986	Down	Down
30372	TraesCS5D03G1104800	1.27019	2.17962	Up	Up
30374	TraesCS5D03G1105700	0.89305	1.61491	No	No
30375	TraesCS5D03G1105800	1.3471	1.04149	UP	UP
30376	TraesCS5D03G1106100	1.11625	0.88633	No	No
30377	TraesCS5D03G1106300	0.91617	1.25429	No	No
30378	TraesCS5D03G1106600	1.14469	0.78257	No	No
30379	TraesCS5D03G1106900	1.51118	1.17524	UP	UP
30380	TraesCS5D03G1107000	0.9077	0.58792	Down	Down
30381	TraesCS5D03G1107000	1.10637	0.5588	No	No
30382	TraesCS5D03G1107100	0.98286	1.88577	No	No
30383	TraesCS5D03G1107200	0.97444	1.34832	No	No
30385	TraesCS5D03G1109700	1.25272	1.69995	UP	UP
30386	TraesCS5D03G1110500	0.98903	0.67662	Down	Down
30387	TraesCS5D03G1110800	0.77049	0.77276	Down	Down
30388	TraesCS5D03G1110900	1.00363	2.03164	Up	Up
30389	TraesCS5D03G1111200	0.56123	0.90832	Down	Down
30390	TraesCS5D03G1112600	0.78047	1.35137	No	No
30391	TraesCS5D03G1112700	0.5947	1.48956	No	No
30392	TraesCS5D03G1112800	0.61937	0.30944	Down	Down
30393	TraesCS5D03G1114000	0.75512	0.94345	Down	Down
30394	TraesCS5D03G1114100	0.74789	1.55984	No	No
30395	TraesCS5D03G1114200	0.63642	1.59811	No	No
30398	TraesCS5D03G1116400	1.2738	0.96875	No	No
30399	TraesCS5D03G1117700	0.83807	0.69435	Down	Down
30400	TraesCS5D03G1118200	0.90632	1.39709	No	No
30401	TraesCS5D03G1118600	0.8175	1.27062	No	No
30402	TraesCS5D03G1120300	1.25309	0.77062	No	No
30403	TraesCS5D03G1120600	0.85531	1.48425	No	No
30404	TraesCS5D03G1121300	0.96013	1.5217	No	No
30405	TraesCS5D03G1121400	0.7635	1.60219	No	No
30406	TraesCS5D03G1121500	1.24528	1.18421	UP	UP
30407	TraesCS5D03G1121600	0.94353	2.8028	Down	Up
30408	TraesCS5D03G1121700	0.95467	0.89145	Down	Down
30409	TraesCS5D03G1123800	0.82882	1.73048	No	No
30410	TraesCS5D03G1124500	1.17933	0.68441	No	No
30411	TraesCS5D03G1124900	1.48224	0.86132	No	No
30412	TraesCS5D03G1125100	1.12364	1.04414	UP	UP
30413	TraesCS5D03G1125200	1.18743	0.77278	No	No
30414	TraesCS5D03G1125700	1.41998	0.89777	No	No
30415	TraesCS5D03G1125800	0.77403	0.8257	Down	Down
30416	TraesCS5D03G1126000	1.14494	4.63932	Up	Up
30417	TraesCS5D03G1126100	1.12531	1.48338	UP	UP
30418	TraesCS5D03G1126200	1.27512	2.29468	Up	Up
30419	TraesCS5D03G1126300	0.66372	1.64363	No	No
30420	TraesCS5D03G1126700	1.40307	1.81257	UP	UP
30421	TraesCS5D03G1127000	0.92677	1.65956	No	No
30422	TraesCS5D03G1127300	0.94108	2.58228	Down	Up
30423	TraesCS5D03G1127400	1.08421	0.52913	No	No
30424	TraesCS5D03G1127600	0.25875	8.64619	Down	Up
30425	TraesCS5D03G1127800	0.82908	1.33095	No	No
30426	TraesCS5D03G1128300	0.61265	0.29445	Down	Down

30427	TraesCS5D03G1128300	1.02094	4.96197	Up	Up
30428	TraesCS5D03G1129400	0.92701	0.73264	Down	Down
30429	TraesCS5D03G1129800	0.70079	1.07391	No	No
30430	TraesCS5D03G1131600	0.80402	0.9448	Down	Down
30431	TraesCS5D03G1131900	0.82908	3.45417	Down	Up
30432	TraesCS5D03G1132000	1.1705	0.47247	Up	Down
30433	TraesCS5D03G1133200	0.27925	3.16818	Down	Up
30434	TraesCS5D03G1133500	1.13463	0.82532	No	No
30435	TraesCS5D03G1133700	0.88366	2.51343	Down	Up
30436	TraesCS5D03G1133900	0.83437	1.88943	No	No
30437	TraesCS5D03G1134100	1.58548	0.12272	Up	Down
30439	TraesCS5D03G1135300	1.14919	1.73536	UP	UP
30440	TraesCS5D03G1139200	0.73745	1.54627	No	No
30441	TraesCS5D03G1139700	1.08331	1.07355	UP	UP
30442	TraesCS5D03G1139800	0.92911	1.55493	No	No
30443	TraesCS5D03G1140900	0.81985	0.63877	Down	Down
30444	TraesCS5D03G1143200	0.78375	1.55783	No	No
30445	TraesCS5D03G1145100	0.63214	1.08914	No	No
30446	TraesCS5D03G1149900	0.72403	1.41315	No	No
30447	TraesCS5D03G1150400	2.64166	1.97202	Up	Up
30448	TraesCS5D03G1150500	2.38848	2.56096	UP	UP
30449	TraesCS5D03G1151900	0.80995	0.94846	Down	Down
30450	TraesCS5D03G1152600	1.18549	0.34773	Up	Down
30451	TraesCS5D03G1152700	1.07072	0.30611	Up	Down
30452	TraesCS5D03G1154300	1.45842	0.88067	No	No
30453	TraesCS5D03G1156100	1.00092	1.02356	UP	UP
30454	TraesCS5D03G1156200	1.50735	0.66748	No	No
30455	TraesCS5D03G1156300	1.00022	0.8982	No	No
30456	TraesCS5D03G1158300	0.73625	0.45646	Down	Down
30457	TraesCS5D03G1158400	0.87433	0.7197	Down	Down
30458	TraesCS5D03G1158400	1.26764	1.0118	UP	UP
30459	TraesCS5D03G1158700	0.75454	1.13316	No	No
30460	TraesCS5D03G1158800	1.07048	0.99765	No	No
30461	TraesCS5D03G1159300	2.51209	0.03927	Up	Down
30462	TraesCS5D03G1159400	5.64192	0.10803	Up	Down
30463	TraesCS5D03G1159700	0.79593	1.07531	No	No
30464	TraesCS5D03G1159900	0.9592	1.49098	No	No
30465	TraesCS5D03G1160000	0.71404	1.65577	No	No
30466	TraesCS5D03G1160400	1.22452	1.84516	UP	UP
30467	TraesCS5D03G1160700	0.83995	2.98612	Down	Up
30468	TraesCS5D03G1161300	1.03657	0.23989	Up	Down
30469	TraesCS5D03G1162000	1.07558	0.95535	No	No
30470	TraesCS5D03G1163500	1.00032	1.71164	UP	UP
30471	TraesCS5D03G1164000	1.079	0.68943	No	No
30472	TraesCS5D03G1165500	1.1421	1.43805	UP	UP
30473	TraesCS5D03G1165500	1.19536	0.9424	No	No
30474	TraesCS5D03G1165600	1.11296	1.69664	UP	UP
30476	TraesCS5D03G1169100	0.71062	1.04839	No	No
30477	TraesCS5D03G1169300	1.07235	1.42991	UP	UP
30478	TraesCS5D03G1169400	0.87893	0.45431	Down	Down
30479	TraesCS5D03G1169500	0.87163	0.78424	Down	Down
30480	TraesCS5D03G1169800	0.95947	4.26142	Down	Up

30481	TraesCS5D03G1170200	0.57479	3.10216	Down	Up
30482	TraesCS5D03G1170300	1.05477	0.88915	No	No
30483	TraesCS5D03G1170400	1.04304	1.18445	UP	UP
30484	TraesCS5D03G1171000	1.25729	0.82675	No	No
30486	TraesCS5D03G1172500	1.53164	0.4493	Up	Down
30487	TraesCS5D03G1173300	0.76567	0.9082	Down	Down
30488	TraesCS5D03G1174700	0.94614	1.1432	No	No
30490	TraesCS5D03G1179500	4.52883	1.06125	Up	Up
30491	TraesCS5D03G1179800	1.38759	0.6757	No	No
30492	TraesCS5D03G1183200	0.59319	2.49126	Down	Up
30493	TraesCS5D03G1183300	0.9154	1.26676	No	No
30494	TraesCS5D03G1185800	0.99987	1.24764	No	No
30495	TraesCS5D03G1186600	0.92253	1.26253	No	No
30496	TraesCS5D03G1187000	1.63088	1.0291	UP	UP
30498	TraesCS5D03G1188200	1.04417	1.27232	UP	UP
30499	TraesCS5D03G1188300	0.68962	1.22026	No	No
30500	TraesCS5D03G1188600	0.98058	1.06494	No	No
30501	TraesCS5D03G1188700	0.78698	0.3198	Down	Down
30502	TraesCS5D03G1189100	1.63544	1.11545	UP	UP
30503	TraesCS5D03G1190800	1.16597	0.4079	Up	Down
30504	TraesCS5D03G1190900	1.42647	1.32319	UP	UP
30506	TraesCS5D03G1197000	0.77864	1.7354	No	No
30507	TraesCS5D03G1197600	0.79367	0.80401	Down	Down
30509	TraesCS5D03G1200100	0.90177	0.53176	Down	Down
30510	TraesCS5D03G1200200	1.00633	0.82877	No	No
30511	TraesCS5D03G1200400	0.66535	1.3721	No	No
30512	TraesCS5D03G1200900	0.90311	1.28456	No	No
30513	TraesCS5D03G1201000	1.30662	0.29375	Up	Down
30514	TraesCS5D03G1203500	0.87954	1.33978	No	No
30515	TraesCS5D03G1204300	0.99083	0.49467	Down	Down
30516	TraesCS5D03G1204900	0.82549	1.34183	No	No
30517	TraesCS5D03G1206100	0.48247	1.34036	Down	Up
30518	TraesCS5D03G1206400	0.7169	0.2742	Down	Down
30519	TraesCS5D03G1206700	1.51277	0.60456	No	No
30520	TraesCS5D03G1206800	1.30579	0.96007	No	No
30521	TraesCS5D03G1207000	1.3857	1.10077	UP	UP
30523	TraesCS5D03G1209400	0.994	0.47928	Down	Down
30525	TraesCS5D03G1211000	0.75596	0.1963	Down	Down
30526	TraesCS5D03G1211100	0.74423	3.28867	Down	Up
30527	TraesCS5D03G1211600	0.66358	1.47963	No	No
30528	TraesCS5D03G1211700	0.67549	4.82725	Down	Up
30529	TraesCS5D03G1211900	0.53573	0.56195	Down	Down
30530	TraesCS5D03G1212900	0.86894	1.03869	No	No
30531	TraesCS5D03G1214300	1.00304	1.15504	UP	UP
30532	TraesCS5D03G1214300	0.63955	2.47604	Down	Up
30533	TraesCS5D03G1214400	0.75028	0.67994	Down	Down
30534	TraesCS5D03G1215200	1.36356	0.52258	No	No
30535	TraesCS5D03G1217900	0.90489	1.10745	No	No
30536	TraesCS5D03G1218100	0.96885	1.35373	No	No
30537	TraesCS5D03G1218200	0.92087	0.62637	Down	Down
30538	TraesCS5D03G1218300	0.62925	0.61025	Down	Down
30539	TraesCS5D03G1218400	0.86391	1.03628	No	No

30540	TraesCS5D03G1218700	0.48607	3.66917	Down	Up
30541	TraesCS5D03G1218800	0.83009	2.24006	Down	Up
30542	TraesCS5D03G1219100	1.1763	1.06784	UP	UP
30543	TraesCS5D03G1220400	0.73708	1.469	No	No
30544	TraesCS5D03G1221400	0.87618	1.07943	No	No
30545	TraesCS5D03G1224700	1.24548	0.82191	No	No
30546	TraesCS5D03G1224800	1.11294	2.27192	Up	Up
30547	TraesCS5D03G1225300	1.12416	2.61376	Up	Up
30548	TraesCS5D03G1225500	0.87184	1.88533	No	No
30549	TraesCS5D03G1225800	0.30656	2.66777	Down	Up
30550	TraesCS5D03G1226100	1.02922	1.04373	UP	UP
30551	TraesCS5D03G1228200	0.93426	0.32665	Down	Down
30552	TraesCS5D03G1229600	1.46197	0.58043	No	No
30553	TraesCS5D03G1229900	1.43377	0.56098	No	No
30556	TraesCS5D03G1230200	1.06208	0.4841	Up	Down
30560	TraesCS5D03G1232400	0.87224	1.15557	No	No
30561	TraesCS5D03G1232500	1.1868	1.43617	UP	UP
30562	TraesCS5D03G1232900	1.4014	0.71759	No	No
30563	TraesCS5D03G1234200	0.72456	1.28467	No	No
30564	TraesCS5D03G1234200	1.3472	1.20113	UP	UP
30565	TraesCS5D03G1234300	0.8528	0.64834	Down	Down
30566	TraesCS5D03G1234500	0.82787	0.89722	Down	Down
30567	TraesCS5D03G1234600	0.97984	0.61429	Down	Down
30568	TraesCS5D03G1234700	1.12446	0.98145	No	No
30569	TraesCS5D03G1236200	0.70427	0.75309	Down	Down
30570	TraesCS5D03G1236300	1.11563	1.04612	UP	UP
30571	TraesCS5D03G1236500	1.07424	2.24587	Up	Up
30572	TraesCS6A03G0000400	1.20598	0.49509	Up	Down
30573	TraesCS6A03G0000500	0.76493	0.91848	Down	Down
30574	TraesCS6A03G0000900	0.76891	10.124	Down	Up
30575	TraesCS6A03G0002100	0.80344	2.02036	Down	Up
30576	TraesCS6A03G0002700	1.10169	1.21467	UP	UP
30577	TraesCS6A03G0003100	0.77525	0.45357	Down	Down
30578	TraesCS6A03G0003300	0.87328	0.95529	Down	Down
30580	TraesCS6A03G0004000	0.80345	0.69641	Down	Down
30581	TraesCS6A03G0004300	0.78746	0.51001	Down	Down
30582	TraesCS6A03G0004500	0.70134	0.33903	Down	Down
30583	TraesCS6A03G0004800	1.06264	0.88362	No	No
30584	TraesCS6A03G0004900	0.59427	0.56263	Down	Down
30585	TraesCS6A03G0004900	0.99523	1.25063	No	No
30586	TraesCS6A03G0006500	0.95748	1.25405	No	No
30587	TraesCS6A03G0009100	1.0128	1.24893	UP	UP
30588	TraesCS6A03G0010400	0.92707	0.97663	Down	Down
30589	TraesCS6A03G0011500	0.37377	1.40149	Down	Up
30590	TraesCS6A03G0014800	0.94102	0.67831	Down	Down
30591	TraesCS6A03G0015000	1.28884	1.14467	UP	UP
30593	TraesCS6A03G0018400	0.77449	0.43671	Down	Down
30594	TraesCS6A03G0020100	0.7792	12.0468	Down	Up
30595	TraesCS6A03G0023800	0.6651	0.73477	Down	Down
30596	TraesCS6A03G0024000	1.06398	0.97234	No	No
30598	TraesCS6A03G0027400	0.69112	1.30103	No	No
30599	TraesCS6A03G0029300	0.9719	0.91927	Down	Down

30600	TraesCS6A03G0029900	0.81166	0.56339	Down	Down
30601	TraesCS6A03G0032600	0.75757	1.46827	No	No
30602	TraesCS6A03G0034100	0.87569	0.11065	Down	Down
30603	TraesCS6A03G0034200	1.36886	0.06467	Up	Down
30604	TraesCS6A03G0035200	0.90251	1.53868	No	No
30605	TraesCS6A03G0035400	0.90691	0.71355	Down	Down
30606	TraesCS6A03G0036600	0.78449	1.18748	No	No
30607	TraesCS6A03G0038200	1.12599	0.36916	Up	Down
30608	TraesCS6A03G0038900	5.39541	0.50837	Up	Down
30609	TraesCS6A03G0040500	0.78826	1.22205	No	No
30610	TraesCS6A03G0042400	1.19684	1.29697	UP	UP
30611	TraesCS6A03G0047200	0.91012	1.76084	No	No
30612	TraesCS6A03G0047500	1.34093	2.01254	Up	Up
30613	TraesCS6A03G0047500	1.11929	1.27889	UP	UP
30614	TraesCS6A03G0048200	0.96586	0.63371	Down	Down
30615	TraesCS6A03G0053100	0.58288	0.74376	Down	Down
30616	TraesCS6A03G0053800	0.92914	1.06891	No	No
30617	TraesCS6A03G0054700	0.86324	0.87705	Down	Down
30618	TraesCS6A03G0056000	0.72003	0.39264	Down	Down
30619	TraesCS6A03G0056800	0.55856	2.93248	Down	Up
30620	TraesCS6A03G0057400	0.99036	0.41177	Down	Down
30621	TraesCS6A03G0057600	0.55864	0.9455	Down	Down
30622	TraesCS6A03G0058400	0.76108	2.55673	Down	Up
30623	TraesCS6A03G0058600	0.10318	0.92055	Down	Down
30624	TraesCS6A03G0062800	0.71322	0.70939	Down	Down
30626	TraesCS6A03G0063400	1.31408	1.22994	UP	UP
30627	TraesCS6A03G0063600	1.34676	0.29587	Up	Down
30628	TraesCS6A03G0073300	0.86521	1.09232	No	No
30629	TraesCS6A03G0074600	1.32537	1.82913	UP	UP
30630	TraesCS6A03G0074800	0.35931	3.57927	Down	Up
30631	TraesCS6A03G0075200	0.50364	1.02413	No	No
30632	TraesCS6A03G0075700	1.11033	1.26769	UP	UP
30633	TraesCS6A03G0079600	0.86584	1.43805	No	No
30634	TraesCS6A03G0081500	1.20635	0.68425	No	No
30635	TraesCS6A03G0083000	1.44817	0.55952	No	No
30636	TraesCS6A03G0083200	1.04309	1.29799	UP	UP
30637	TraesCS6A03G0083600	0.73898	0.83914	Down	Down
30638	TraesCS6A03G0083700	0.91656	0.72285	Down	Down
30639	TraesCS6A03G0089500	1.54247	0.54807	No	No
30640	TraesCS6A03G0091100	0.78019	1.54752	No	No
30642	TraesCS6A03G0092600	0.84514	0.47082	Down	Down
30643	TraesCS6A03G0093800	1.22783	0.975	No	No
30644	TraesCS6A03G0096800	0.89724	8.69339	Down	Up
30645	TraesCS6A03G0097500	1.11952	3.58052	Up	Up
30646	TraesCS6A03G0097700	0.9172	1.18694	No	No
30650	TraesCS6A03G0100900	1.06917	0.72277	No	No
30651	TraesCS6A03G0100900	1.55312	0.74228	No	No
30652	TraesCS6A03G0101200	1.20042	0.926	No	No
30653	TraesCS6A03G0101300	1.01086	0.63578	No	No
30654	TraesCS6A03G0101400	0.91448	5.49055	Down	Up
30656	TraesCS6A03G0102100	0.86917	1.73341	No	No
30659	TraesCS6A03G0103900	0.90653	0.5914	Down	Down

30660	TraesCS6A03G0104000	0.68642	1.2016	No	No
30661	TraesCS6A03G0104600	1.57741	0.83156	No	No
30662	TraesCS6A03G0105100	0.84899	1.02962	No	No
30663	TraesCS6A03G0106000	0.91628	0.38781	Down	Down
30664	TraesCS6A03G0106200	0.74222	1.16587	No	No
30665	TraesCS6A03G0106700	0.77959	5.65629	Down	Up
30666	TraesCS6A03G0106800	1.0002	1.93392	UP	UP
30667	TraesCS6A03G0106900	1.58472	0.65857	No	No
30668	TraesCS6A03G0107000	0.56647	1.54192	No	No
30669	TraesCS6A03G0108700	0.98118	1.31751	No	No
30670	TraesCS6A03G0108900	1.09702	0.50558	No	No
30672	TraesCS6A03G0111400	1.33675	0.33807	Up	Down
30673	TraesCS6A03G0111900	1.41108	1.2414	UP	UP
30675	TraesCS6A03G0113100	0.46309	0.52504	Down	Down
30677	TraesCS6A03G0114700	0.90072	0.47997	Down	Down
30678	TraesCS6A03G0115500	0.70004	2.90536	Down	Up
30679	TraesCS6A03G0116100	0.63437	2.95234	Down	Up
30680	TraesCS6A03G0118900	0.90702	0.74147	Down	Down
30682	TraesCS6A03G0119100	0.46422	0.19385	Down	Down
30683	TraesCS6A03G0119200	1.2012	1.50334	UP	UP
30684	TraesCS6A03G0120400	0.96096	0.72418	Down	Down
30685	TraesCS6A03G0122300	1.23605	1.75479	UP	UP
30687	TraesCS6A03G0129300	1.63149	1.102	UP	UP
30688	TraesCS6A03G0130400	1.15733	0.40812	Up	Down
30689	TraesCS6A03G0131600	1.02092	0.16479	Up	Down
30690	TraesCS6A03G0131700	0.60794	2.05362	Down	Up
30691	TraesCS6A03G0131800	0.67763	1.51752	No	No
30692	TraesCS6A03G0132100	0.63075	1.8195	No	No
30693	TraesCS6A03G0132800	0.82634	1.00797	No	No
30694	TraesCS6A03G0132900	1.27407	0.98413	No	No
30695	TraesCS6A03G0133200	1.02402	0.79538	No	No
30696	TraesCS6A03G0133300	0.77946	1.43949	No	No
30697	TraesCS6A03G0136500	1.00149	0.92636	No	No
30698	TraesCS6A03G0137400	0.68936	1.31024	No	No
30699	TraesCS6A03G0141300	1.21535	0.66494	No	No
30700	TraesCS6A03G0142500	1.47815	19.5919	Up	Up
30702	TraesCS6A03G0146200	1.05157	1.81587	UP	UP
30703	TraesCS6A03G0148600	0.86347	0.37405	Down	Down
30704	TraesCS6A03G0149000	0.73248	1.91198	No	No
30705	TraesCS6A03G0149600	0.5203	0.8895	Down	Down
30706	TraesCS6A03G0149800	1.1175	0.80539	No	No
30707	TraesCS6A03G0151900	1.06714	0.7046	No	No
30708	TraesCS6A03G0152600	0.63649	0.43275	Down	Down
30709	TraesCS6A03G0153300	1.54419	0.42331	Up	Down
30710	TraesCS6A03G0154200	0.73673	0.62281	Down	Down
30711	TraesCS6A03G0154600	1.10881	0.7397	No	No
30712	TraesCS6A03G0154800	1.44295	2.57487	Up	Up
30713	TraesCS6A03G0156800	0.85495	0.67099	Down	Down
30714	TraesCS6A03G0156900	0.6359	0.87988	Down	Down
30715	TraesCS6A03G0157200	1.30305	1.0614	UP	UP
30716	TraesCS6A03G0158000	0.69122	0.52163	Down	Down
30717	TraesCS6A03G0158800	1.08912	0.75375	No	No

30718	TraesCS6A03G0158900	0.98815	1.29776	No	No
30719	TraesCS6A03G0160200	0.84942	0.43811	Down	Down
30722	TraesCS6A03G0160900	0.82909	0.74798	Down	Down
30724	TraesCS6A03G0166200	0.77812	1.2829	No	No
30725	TraesCS6A03G0166300	0.81436	0.97258	Down	Down
30726	TraesCS6A03G0168000	0.83673	1.13737	No	No
30732	TraesCS6A03G0174000	1.0626	0.531	No	No
30733	TraesCS6A03G0174100	1.13003	1.4009	UP	UP
30734	TraesCS6A03G0175700	1.30877	1.18298	UP	UP
30735	TraesCS6A03G0175700	1.29175	0.92873	No	No
30736	TraesCS6A03G0175700	1.28428	1.1072	UP	UP
30737	TraesCS6A03G0176200	0.91976	1.6542	No	No
30738	TraesCS6A03G0177500	0.99982	0.73748	Down	Down
30739	TraesCS6A03G0177700	1.10112	1.21602	UP	UP
30740	TraesCS6A03G0177800	1.03754	4.00182	Up	Up
30741	TraesCS6A03G0178600	1.22234	0.6705	No	No
30742	TraesCS6A03G0178900	1.04808	4.77299	Up	Up
30743	TraesCS6A03G0179500	0.74154	0.96777	Down	Down
30744	TraesCS6A03G0179800	0.82499	0.80879	Down	Down
30745	TraesCS6A03G0179900	1.05802	1.06756	UP	UP
30746	TraesCS6A03G0182700	0.75035	0.94624	Down	Down
30747	TraesCS6A03G0186900	0.93512	0.45821	Down	Down
30748	TraesCS6A03G0187000	0.92947	0.62314	Down	Down
30749	TraesCS6A03G0187600	1.11839	0.9943	No	No
30750	TraesCS6A03G0188300	0.75743	1.44064	No	No
30751	TraesCS6A03G0188400	0.46602	1.91745	Down	Up
30752	TraesCS6A03G0188600	0.90355	1.00085	No	No
30753	TraesCS6A03G0190000	0.79428	0.45449	Down	Down
30754	TraesCS6A03G0190100	1.35268	1.24293	UP	UP
30755	TraesCS6A03G0190500	1.06935	0.54065	No	No
30756	TraesCS6A03G0190600	0.76919	0.97144	Down	Down
30757	TraesCS6A03G0191700	1.01303	1.09101	UP	UP
30758	TraesCS6A03G0191900	1.0552	0.57328	No	No
30759	TraesCS6A03G0192000	0.86904	1.34204	No	No
30760	TraesCS6A03G0192300	1.15346	0.29214	Up	Down
30761	TraesCS6A03G0192500	1.05763	0.10419	Up	Down
30762	TraesCS6A03G0192800	0.47461	0.25327	Down	Down
30763	TraesCS6A03G0192900	1.27979	1.16874	UP	UP
30764	TraesCS6A03G0193300	0.80401	2.02987	Down	Up
30765	TraesCS6A03G0195600	1.34179	3.64496	Up	Up
30766	TraesCS6A03G0196400	0.98607	0.82348	Down	Down
30767	TraesCS6A03G0196600	1.15425	0.51857	No	No
30768	TraesCS6A03G0197800	0.74881	0.3189	Down	Down
30769	TraesCS6A03G0198500	1.23281	0.45525	Up	Down
30770	TraesCS6A03G0199200	1.27943	1.19059	UP	UP
30771	TraesCS6A03G0199400	1.03945	0.77843	No	No
30772	TraesCS6A03G0199500	1.03589	1.35694	UP	UP
30773	TraesCS6A03G0199700	0.99747	1.35252	No	No
30774	TraesCS6A03G0199700	0.79719	0.70958	Down	Down
30775	TraesCS6A03G0199800	0.86539	0.87085	Down	Down
30776	TraesCS6A03G0200000	1.54789	1.26034	UP	UP
30777	TraesCS6A03G0200000	1.36646	0.6772	No	No

30778	TraesCS6A03G0200200	1.20792	1.71619	UP	UP
30779	TraesCS6A03G0200500	0.68645	1.66358	No	No
30780	TraesCS6A03G0200600	0.94403	1.36117	No	No
30781	TraesCS6A03G0200700	0.80967	0.69526	Down	Down
30782	TraesCS6A03G0201100	0.76088	1.08622	No	No
30783	TraesCS6A03G0201200	0.76254	1.04729	No	No
30784	TraesCS6A03G0202300	0.81353	1.36463	No	No
30785	TraesCS6A03G0202400	1.18166	1.19369	UP	UP
30786	TraesCS6A03G0202500	0.78798	1.45108	No	No
30787	TraesCS6A03G0202700	0.69782	0.75636	Down	Down
30788	TraesCS6A03G0202800	0.63745	1.15527	No	No
30789	TraesCS6A03G0202800	0.80577	1.57018	No	No
30790	TraesCS6A03G0203200	1.38231	4.1274	Up	Up
30791	TraesCS6A03G0203200	0.69993	1.60966	No	No
30792	TraesCS6A03G0204600	0.81293	1.03803	No	No
30793	TraesCS6A03G0205500	0.56412	1.02302	No	No
30794	TraesCS6A03G0208900	0.69235	0.88968	Down	Down
30795	TraesCS6A03G0210300	0.7539	1.36933	No	No
30797	TraesCS6A03G0211500	0.73306	2.73948	Down	Up
30798	TraesCS6A03G0212400	0.9534	1.18564	No	No
30799	TraesCS6A03G0212600	0.76751	1.45781	No	No
30800	TraesCS6A03G0214300	0.74582	2.61407	Down	Up
30802	TraesCS6A03G0218400	2.3275	1.08866	Up	Up
30803	TraesCS6A03G0221600	0.98692	1.36355	No	No
30804	TraesCS6A03G0222000	0.87914	2.91623	Down	Up
30805	TraesCS6A03G0222500	0.85168	1.4352	No	No
30806	TraesCS6A03G0222600	0.71017	0.97684	Down	Down
30807	TraesCS6A03G0223000	1.09594	1.79381	UP	UP
30808	TraesCS6A03G0224100	0.84799	1.52563	No	No
30809	TraesCS6A03G0224300	1.28702	0.50458	No	No
30810	TraesCS6A03G0224800	0.89023	2.38686	Down	Up
30812	TraesCS6A03G0225200	0.84314	0.95247	Down	Down
30813	TraesCS6A03G0225400	1.73097	0.83227	No	No
30814	TraesCS6A03G0225900	1.3814	0.88241	No	No
30815	TraesCS6A03G0226100	0.77236	2.04336	Down	Up
30816	TraesCS6A03G0226300	1.48554	1.99452	UP	UP
30817	TraesCS6A03G0226300	0.93257	0.23387	Down	Down
30818	TraesCS6A03G0226600	1.23828	15.1214	Up	Up
30819	TraesCS6A03G0227300	0.83522	0.77223	Down	Down
30820	TraesCS6A03G0228500	0.81738	1.14822	No	No
30821	TraesCS6A03G0229000	1.06671	7.32857	Up	Up
30822	TraesCS6A03G0230000	1.30007	0.36142	Up	Down
30825	TraesCS6A03G0233900	0.76999	1.20201	No	No
30828	TraesCS6A03G0236500	0.85104	0.66687	Down	Down
30829	TraesCS6A03G0236600	0.93952	0.93062	Down	Down
30830	TraesCS6A03G0237000	0.75382	6.04354	Down	Up
30831	TraesCS6A03G0237200	0.87766	6.08551	Down	Up
30832	TraesCS6A03G0237900	1.06415	2.49784	Up	Up
30833	TraesCS6A03G0238800	0.86041	3.19055	Down	Up
30834	TraesCS6A03G0239300	0.89811	0.52583	Down	Down
30835	TraesCS6A03G0239400	1.14276	1.01577	UP	UP
30836	TraesCS6A03G0239700	0.77919	0.95516	Down	Down

30837	TraesCS6A03G0241200	0.70893	1.23098	No	No
30838	TraesCS6A03G0243000	0.96068	0.91255	Down	Down
30839	TraesCS6A03G0243300	0.86508	0.9752	Down	Down
30840	TraesCS6A03G0244600	0.76301	3.30792	Down	Up
30841	TraesCS6A03G0245900	0.95264	0.46295	Down	Down
30842	TraesCS6A03G0246700	0.97541	1.61994	No	No
30843	TraesCS6A03G0248100	0.84667	1.56405	No	No
30846	TraesCS6A03G0251200	0.84376	0.9253	Down	Down
30847	TraesCS6A03G0251300	0.97675	0.9505	Down	Down
30848	TraesCS6A03G0251400	0.99408	0.64689	Down	Down
30849	TraesCS6A03G0251800	1.02732	1.27058	UP	UP
30850	TraesCS6A03G0252000	1.18783	1.76942	UP	UP
30851	TraesCS6A03G0252100	1.0283	1.71275	UP	UP
30852	TraesCS6A03G0252900	1.25046	0.11492	Up	Down
30853	TraesCS6A03G0253400	0.94639	0.20847	Down	Down
30855	TraesCS6A03G0254300	0.73568	0.70464	Down	Down
30856	TraesCS6A03G0255200	1.30032	3.41941	Up	Up
30857	TraesCS6A03G0255300	1.05933	2.66698	Up	Up
30858	TraesCS6A03G0255400	0.52385	0.79014	Down	Down
30859	TraesCS6A03G0255500	1.21335	0.65708	No	No
30861	TraesCS6A03G0258300	1.51194	0.57074	No	No
30862	TraesCS6A03G0258300	1.41983	1.74434	UP	UP
30863	TraesCS6A03G0260600	1.21101	0.88188	No	No
30864	TraesCS6A03G0262200	1.08761	1.10481	UP	UP
30865	TraesCS6A03G0262300	0.83582	1.0685	No	No
30866	TraesCS6A03G0263500	0.54804	0.83916	Down	Down
30867	TraesCS6A03G0263600	0.76627	1.19562	No	No
30868	TraesCS6A03G0264300	1.10617	0.98765	No	No
30869	TraesCS6A03G0265000	1.12843	1.39876	UP	UP
30870	TraesCS6A03G0265400	1.17272	0.94524	No	No
30871	TraesCS6A03G0265700	1.19531	1.30148	UP	UP
30872	TraesCS6A03G0267000	1.31675	1.17189	UP	UP
30873	TraesCS6A03G0267300	1.08692	0.9407	No	No
30874	TraesCS6A03G0268000	1.02735	1.31702	UP	UP
30875	TraesCS6A03G0268100	0.8075	2.31039	Down	Up
30876	TraesCS6A03G0271000	1.17797	0.61696	No	No
30877	TraesCS6A03G0272300	1.0051	13.218	Up	Up
30878	TraesCS6A03G0273600	0.84579	0.79521	Down	Down
30879	TraesCS6A03G0273700	0.939	0.94899	Down	Down
30880	TraesCS6A03G0273800	1.03647	3.35481	Up	Up
30881	TraesCS6A03G0274300	0.8267	2.04282	Down	Up
30882	TraesCS6A03G0274700	0.75221	0.72452	Down	Down
30883	TraesCS6A03G0275700	0.79203	1.58296	No	No
30884	TraesCS6A03G0275900	1.24024	0.7117	No	No
30886	TraesCS6A03G0276400	0.38052	7.60723	Down	Up
30887	TraesCS6A03G0276600	0.93214	1.41393	No	No
30888	TraesCS6A03G0276700	0.57251	0.21215	Down	Down
30889	TraesCS6A03G0276800	0.88423	1.25653	No	No
30890	TraesCS6A03G0276900	0.81296	0.3019	Down	Down
30891	TraesCS6A03G0277200	1.12778	1.37859	UP	UP
30893	TraesCS6A03G0277800	1.11151	1.30074	UP	UP
30895	TraesCS6A03G0278500	0.87826	1.17571	No	No

30897	TraesCS6A03G0278700	1.34884	0.05237	Up	Down
30898	TraesCS6A03G0279000	0.9525	0.68555	Down	Down
30899	TraesCS6A03G0279100	0.60788	1.82176	No	No
30900	TraesCS6A03G0279400	0.96443	1.34294	No	No
30901	TraesCS6A03G0279700	1.0971	1.36506	UP	UP
30902	TraesCS6A03G0280000	0.66154	0.97862	Down	Down
30903	TraesCS6A03G0282900	0.77628	0.74211	Down	Down
30904	TraesCS6A03G0283500	0.81113	1.18746	No	No
30905	TraesCS6A03G0283600	0.73943	2.17729	Down	Up
30906	TraesCS6A03G0283700	0.86747	0.86537	Down	Down
30907	TraesCS6A03G0286800	1.39003	4.13537	Up	Up
30908	TraesCS6A03G0287100	0.88783	0.85818	Down	Down
30909	TraesCS6A03G0287200	1.36848	1.84612	UP	UP
30910	TraesCS6A03G0288900	0.72411	1.12992	No	No
30912	TraesCS6A03G0289400	0.9773	1.09806	No	No
30913	TraesCS6A03G0291100	0.32839	8.13023	Down	Up
30914	TraesCS6A03G0291300	1.05288	2.3682	Up	Up
30918	TraesCS6A03G0293000	1.12956	1.23166	UP	UP
30919	TraesCS6A03G0293100	1.0753	1.71996	UP	UP
30920	TraesCS6A03G0293300	1.25352	0.81593	No	No
30921	TraesCS6A03G0293600	0.96838	1.29272	No	No
30922	TraesCS6A03G0294800	1.031	0.86524	No	No
30926	TraesCS6A03G0296500	1.12251	0.58812	No	No
30927	TraesCS6A03G0297200	0.97688	1.31852	No	No
30929	TraesCS6A03G0299500	0.29601	5.46205	Down	Up
30932	TraesCS6A03G0305000	2.83932	2.40076	UP	UP
30933	TraesCS6A03G0305200	0.83709	1.82965	No	No
30934	TraesCS6A03G0305800	0.89061	1.46542	No	No
30935	TraesCS6A03G0308400	3.38128	0.39018	Up	Down
30936	TraesCS6A03G0308400	5.38131	0.14521	Up	Down
30938	TraesCS6A03G0311400	1.04075	0.38133	Up	Down
30939	TraesCS6A03G0312500	0.70378	3.34457	Down	Up
30940	TraesCS6A03G0312700	0.67347	0.97834	Down	Down
30941	TraesCS6A03G0312900	0.66001	0.54074	Down	Down
30942	TraesCS6A03G0313000	0.91365	1.36339	No	No
30943	TraesCS6A03G0313400	1.06819	0.59056	No	No
30944	TraesCS6A03G0313900	0.6062	3.45027	Down	Up
30945	TraesCS6A03G0314000	0.74468	4.11161	Down	Up
30947	TraesCS6A03G0317300	1.03353	0.23929	Up	Down
30948	TraesCS6A03G0318200	1.14848	1.17837	UP	UP
30949	TraesCS6A03G0318400	0.83434	1.25581	No	No
30950	TraesCS6A03G0319300	1.3242	0.7565	No	No
30951	TraesCS6A03G0319900	0.88179	0.49254	Down	Down
30952	TraesCS6A03G0320200	1.08666	0.93187	No	No
30954	TraesCS6A03G0320500	0.91404	0.73908	Down	Down
30955	TraesCS6A03G0320700	1.35627	1.21464	UP	UP
30956	TraesCS6A03G0321000	1.35541	0.55618	No	No
30957	TraesCS6A03G0321900	0.85747	1.76829	No	No
30958	TraesCS6A03G0323000	0.96562	1.31951	No	No
30960	TraesCS6A03G0323300	0.74903	2.10544	Down	Up
30962	TraesCS6A03G0327300	1.162	1.02838	UP	UP
30963	TraesCS6A03G0328100	1.10128	1.26648	UP	UP

30964	TraesCS6A03G0328600	1.35966	0.67416	No	No
30965	TraesCS6A03G0331700	1.19415	2.24967	Up	Up
30966	TraesCS6A03G0332000	1.13887	0.75395	No	No
30967	TraesCS6A03G0333000	1.25594	1.17657	UP	UP
30968	TraesCS6A03G0333200	0.97216	1.9216	No	No
30969	TraesCS6A03G0333400	0.89631	0.78793	Down	Down
30970	TraesCS6A03G0334300	0.86593	1.66805	No	No
30971	TraesCS6A03G0334900	1.2902	1.1189	UP	UP
30973	TraesCS6A03G0335700	1.03518	0.26934	Up	Down
30975	TraesCS6A03G0336600	0.99209	1.02792	No	No
30976	TraesCS6A03G0337900	0.1357	1.02508	Down	Up
30977	TraesCS6A03G0341100	1.15506	1.3616	UP	UP
30978	TraesCS6A03G0341200	0.88204	0.85987	Down	Down
30979	TraesCS6A03G0341300	0.69394	0.51955	Down	Down
30982	TraesCS6A03G0344100	0.60005	0.57961	Down	Down
30984	TraesCS6A03G0344300	1.58193	1.40369	UP	UP
30985	TraesCS6A03G0345100	1.80109	0.54374	No	No
30986	TraesCS6A03G0345200	1.17162	0.95081	No	No
30987	TraesCS6A03G0345200	1.08584	1.15329	UP	UP
30988	TraesCS6A03G0345400	1.01773	1.1586	UP	UP
30989	TraesCS6A03G0345500	0.86695	1.99018	No	No
30990	TraesCS6A03G0345700	1.40455	0.46628	Up	Down
30991	TraesCS6A03G0346700	1.30099	1.3151	UP	UP
30993	TraesCS6A03G0347500	0.89369	1.09179	No	No
30994	TraesCS6A03G0347500	0.91776	0.81896	Down	Down
30995	TraesCS6A03G0347700	0.90183	1.30193	No	No
30996	TraesCS6A03G0348000	0.79618	1.25904	No	No
30997	TraesCS6A03G0348500	1.11751	1.57498	UP	UP
30998	TraesCS6A03G0349700	1.4652	0.5854	No	No
31000	TraesCS6A03G0350000	0.99877	1.50209	No	No
31001	TraesCS6A03G0350400	1.5476	5.83039	Up	Up
31002	TraesCS6A03G0350700	0.86433	1.10396	No	No
31004	TraesCS6A03G0351000	0.97979	1.15587	No	No
31005	TraesCS6A03G0351200	1.26503	1.05338	UP	UP
31006	TraesCS6A03G0351700	1.34885	1.2259	UP	UP
31007	TraesCS6A03G0352100	0.64728	0.50059	Down	Down
31008	TraesCS6A03G0352300	0.71393	1.34736	No	No
31009	TraesCS6A03G0352500	1.46825	1.28602	UP	UP
31010	TraesCS6A03G0354000	0.73118	0.51288	Down	Down
31011	TraesCS6A03G0354100	1.05103	1.21016	UP	UP
31012	TraesCS6A03G0354300	1.11796	1.18642	UP	UP
31013	TraesCS6A03G0354900	1.07383	0.67247	No	No
31014	TraesCS6A03G0355700	1.52702	0.41628	Up	Down
31015	TraesCS6A03G0356000	1.27277	1.05804	UP	UP
31017	TraesCS6A03G0357000	0.8493	0.40319	Down	Down
31018	TraesCS6A03G0359000	0.70715	0.84976	Down	Down
31019	TraesCS6A03G0360400	1.48129	0.7477	No	No
31021	TraesCS6A03G0361600	1.10328	0.72676	No	No
31022	TraesCS6A03G0362700	2.00837	1.17768	Up	Up
31025	TraesCS6A03G0363500	0.42714	6.14109	Down	Up
31026	TraesCS6A03G0366700	0.59363	2.42848	Down	Up
31029	TraesCS6A03G0371400	0.47957	0.85297	Down	Down

31031	TraesCS6A03G0371800	0.81546	1.07167	No	No
31032	TraesCS6A03G0371900	1.09058	2.60511	Up	Up
31033	TraesCS6A03G0372600	0.46461	1.32626	Down	Up
31034	TraesCS6A03G0372700	0.69542	1.24644	No	No
31035	TraesCS6A03G0372800	0.75761	1.43561	No	No
31038	TraesCS6A03G0374200	1.33321	1.03342	UP	UP
31039	TraesCS6A03G0375100	1.66145	1.54088	UP	UP
31040	TraesCS6A03G0375500	1.03711	1.83075	UP	UP
31041	TraesCS6A03G0375900	1.0263	0.27009	Up	Down
31042	TraesCS6A03G0376000	1.32011	0.43707	Up	Down
31043	TraesCS6A03G0376200	1.64577	1.54957	UP	UP
31044	TraesCS6A03G0376400	0.83857	1.30767	No	No
31045	TraesCS6A03G0376500	0.9237	2.16881	Down	Up
31046	TraesCS6A03G0376800	0.62747	1.19012	No	No
31047	TraesCS6A03G0377500	0.84244	4.36145	Down	Up
31048	TraesCS6A03G0377600	1.29002	0.7494	No	No
31049	TraesCS6A03G0378300	0.71493	1.25601	No	No
31050	TraesCS6A03G0378400	1.13516	1.05356	UP	UP
31051	TraesCS6A03G0378500	1.26501	3.4003	Up	Up
31052	TraesCS6A03G0378700	1.14918	0.99579	No	No
31053	TraesCS6A03G0379400	0.81425	1.52186	No	No
31058	TraesCS6A03G0380300	0.94918	0.84822	Down	Down
31064	TraesCS6A03G0381800	0.77111	1.51975	No	No
31065	TraesCS6A03G0382200	1.32215	2.22501	Up	Up
31066	TraesCS6A03G0383300	0.95168	0.82973	Down	Down
31067	TraesCS6A03G0383300	1.02687	1.94069	UP	UP
31068	TraesCS6A03G0385100	0.77198	1.23411	No	No
31069	TraesCS6A03G0385400	1.01017	0.8516	No	No
31070	TraesCS6A03G0385500	1.01006	0.76772	No	No
31071	TraesCS6A03G0385600	0.94516	1.03417	No	No
31072	TraesCS6A03G0385700	0.97015	1.11599	No	No
31073	TraesCS6A03G0386200	0.87377	1.13815	No	No
31074	TraesCS6A03G0386400	1.22234	0.7617	No	No
31075	TraesCS6A03G0387000	0.89986	1.32489	No	No
31076	TraesCS6A03G0387200	1.26375	0.29676	Up	Down
31077	TraesCS6A03G0387700	1.05913	1.29234	UP	UP
31078	TraesCS6A03G0387900	0.92952	0.16478	Down	Down
31080	TraesCS6A03G0389100	0.97312	0.99973	Down	Down
31081	TraesCS6A03G0389300	1.19336	1.48764	UP	UP
31082	TraesCS6A03G0390700	0.83749	1.58498	No	No
31083	TraesCS6A03G0392600	0.74045	1.97468	No	No
31084	TraesCS6A03G0392700	1.92785	2.09092	UP	UP
31085	TraesCS6A03G0392800	0.85056	1.72753	No	No
31086	TraesCS6A03G0392900	1.27319	0.64083	No	No
31087	TraesCS6A03G0393100	1.12589	2.30972	Up	Up
31088	TraesCS6A03G0393500	1.09999	1.00754	UP	UP
31089	TraesCS6A03G0393900	1.00791	1.63198	UP	UP
31090	TraesCS6A03G0394400	0.86343	1.08118	No	No
31091	TraesCS6A03G0394700	1.14702	2.78003	Up	Up
31092	TraesCS6A03G0395000	2.90163	0.14796	Up	Down
31093	TraesCS6A03G0397200	1.1532	2.10586	Up	Up
31094	TraesCS6A03G0397500	1.27412	0.09461	Up	Down

31095	TraesCS6A03G0401800	1.07901	0.99058	No	No
31096	TraesCS6A03G0401900	0.86828	1.14178	No	No
31101	TraesCS6A03G0406100	1.22495	1.17786	UP	UP
31102	TraesCS6A03G0406200	1.10069	0.7835	No	No
31103	TraesCS6A03G0406900	0.84394	0.96299	Down	Down
31104	TraesCS6A03G0407000	1.07371	2.03964	Up	Up
31105	TraesCS6A03G0407400	0.90538	1.9663	No	No
31106	TraesCS6A03G0408100	1.06229	0.57758	No	No
31109	TraesCS6A03G0408700	0.77134	1.00373	No	No
31110	TraesCS6A03G0409000	0.97782	1.32623	No	No
31111	TraesCS6A03G0409700	1.14085	1.11258	UP	UP
31112	TraesCS6A03G0409800	1.08182	0.53395	No	No
31113	TraesCS6A03G0410000	0.79462	0.81854	Down	Down
31114	TraesCS6A03G0410600	0.91728	0.44691	Down	Down
31115	TraesCS6A03G0410700	0.74901	1.99069	No	No
31116	TraesCS6A03G0411100	1.38947	0.51505	No	No
31117	TraesCS6A03G0412200	1.04481	1.16185	UP	UP
31118	TraesCS6A03G0412300	0.81437	2.11593	Down	Up
31119	TraesCS6A03G0412700	0.73942	0.95357	Down	Down
31121	TraesCS6A03G0414700	4.4455	4.16028	UP	UP
31123	TraesCS6A03G0416200	0.72751	4.11269	Down	Up
31124	TraesCS6A03G0416600	0.67444	0.31602	Down	Down
31125	TraesCS6A03G0417700	0.83586	1.13611	No	No
31126	TraesCS6A03G0418100	1.02602	1.19603	UP	UP
31129	TraesCS6A03G0419400	1.25399	0.87651	No	No
31130	TraesCS6A03G0419600	0.94648	0.90986	Down	Down
31131	TraesCS6A03G0420200	0.7288	1.54307	No	No
31132	TraesCS6A03G0421200	0.92326	1.33496	No	No
31133	TraesCS6A03G0422000	1.48546	1.191	UP	UP
31134	TraesCS6A03G0422100	1.63855	1.1169	UP	UP
31135	TraesCS6A03G0422500	0.92506	1.20495	No	No
31136	TraesCS6A03G0423000	0.88011	0.26168	Down	Down
31137	TraesCS6A03G0424500	1.34978	1.37442	UP	UP
31138	TraesCS6A03G0425000	1.17798	1.0053	UP	UP
31139	TraesCS6A03G0425400	0.63538	0.58171	Down	Down
31140	TraesCS6A03G0427100	1.48344	1.29367	UP	UP
31142	TraesCS6A03G0427400	0.78424	0.55943	Down	Down
31144	TraesCS6A03G0429100	2.91958	0.57949	Up	Down
31145	TraesCS6A03G0429300	0.73616	4.28475	Down	Up
31146	TraesCS6A03G0430000	0.90415	0.96635	Down	Down
31147	TraesCS6A03G0430300	1.00846	0.66228	No	No
31148	TraesCS6A03G0430400	2.05522	0.72024	Up	Down
31149	TraesCS6A03G0430500	0.92453	0.69924	Down	Down
31150	TraesCS6A03G0430600	1.00815	0.73692	No	No
31151	TraesCS6A03G0430700	0.65942	1.05463	No	No
31152	TraesCS6A03G0430800	0.92172	1.13005	No	No
31153	TraesCS6A03G0431100	1.19324	0.35378	Up	Down
31154	TraesCS6A03G0431400	0.75812	1.5046	No	No
31155	TraesCS6A03G0432700	0.90986	1.1317	No	No
31159	TraesCS6A03G0433700	0.83253	0.71581	Down	Down
31160	TraesCS6A03G0433800	1.07262	1.12481	UP	UP
31161	TraesCS6A03G0434000	0.57596	1.03618	No	No

31162	TraesCS6A03G0434300	1.55582	2.21975	Up	Up
31163	TraesCS6A03G0434300	0.5275	0.34985	Down	Down
31164	TraesCS6A03G0435400	0.43563	1.37602	Down	Up
31165	TraesCS6A03G0436800	1.46303	1.5446	UP	UP
31166	TraesCS6A03G0437700	1.37968	1.3569	UP	UP
31168	TraesCS6A03G0438100	0.91286	1.16565	No	No
31170	TraesCS6A03G0439200	0.70168	0.39038	Down	Down
31171	TraesCS6A03G0439200	0.78697	1.23725	No	No
31172	TraesCS6A03G0441200	1.05021	1.05904	UP	UP
31174	TraesCS6A03G0441600	0.77592	1.16203	No	No
31175	TraesCS6A03G0441900	1.40391	5.22512	Up	Up
31176	TraesCS6A03G0442500	1.00213	0.95878	No	No
31177	TraesCS6A03G0443300	0.80567	1.40533	No	No
31178	TraesCS6A03G0443500	1.17554	1.42985	UP	UP
31179	TraesCS6A03G0443900	0.94882	1.03622	No	No
31180	TraesCS6A03G0444300	0.71541	0.68014	Down	Down
31181	TraesCS6A03G0444800	0.96673	2.38484	Down	Up
31182	TraesCS6A03G0444900	0.78905	2.04499	Down	Up
31184	TraesCS6A03G0448700	0.87747	0.67879	Down	Down
31185	TraesCS6A03G0449100	0.62331	0.78632	Down	Down
31186	TraesCS6A03G0449200	2.99347	0.97034	Up	Down
31187	TraesCS6A03G0449600	1.31814	0.69628	No	No
31188	TraesCS6A03G0449900	1.37186	1.38394	UP	UP
31189	TraesCS6A03G0450900	0.52277	3.9041	Down	Up
31190	TraesCS6A03G0451900	1.30453	1.27445	UP	UP
31192	TraesCS6A03G0453100	0.94661	0.78749	Down	Down
31193	TraesCS6A03G0453200	1.3397	1.93791	UP	UP
31194	TraesCS6A03G0454000	1.14185	1.12679	UP	UP
31195	TraesCS6A03G0454300	1.2735	0.98067	No	No
31196	TraesCS6A03G0454600	1.16845	1.14936	UP	UP
31198	TraesCS6A03G0457900	0.54918	1.31603	No	No
31199	TraesCS6A03G0458000	0.83583	1.02246	No	No
31200	TraesCS6A03G0459300	1.0257	0.96254	No	No
31201	TraesCS6A03G0459400	0.80041	1.15013	No	No
31202	TraesCS6A03G0460400	0.90847	1.14902	No	No
31203	TraesCS6A03G0460400	1.06463	0.6069	No	No
31205	TraesCS6A03G0461100	1.27973	1.00499	UP	UP
31206	TraesCS6A03G0461300	0.81809	0.45143	Down	Down
31207	TraesCS6A03G0461400	0.9397	0.89987	Down	Down
31209	TraesCS6A03G0463300	0.94081	0.99009	Down	Down
31210	TraesCS6A03G0466400	0.827	1.15702	No	No
31212	TraesCS6A03G0468400	1.05592	1.1944	UP	UP
31214	TraesCS6A03G0469900	0.97216	0.92356	Down	Down
31215	TraesCS6A03G0470100	1.13469	1.35953	UP	UP
31216	TraesCS6A03G0470300	0.9925	1.75889	No	No
31218	TraesCS6A03G0472000	1.79613	0.89747	No	No
31219	TraesCS6A03G0472100	1.3956	0.86096	No	No
31220	TraesCS6A03G0472400	1.01731	1.49247	UP	UP
31221	TraesCS6A03G0472400	0.93039	1.03927	No	No
31222	TraesCS6A03G0472400	3.64067	1.1903	Up	Up
31226	TraesCS6A03G0474500	1.23626	0.34576	Up	Down
31227	TraesCS6A03G0475000	1.35616	0.9236	No	No

31228	TraesCS6A03G0475600	0.88275	1.21312	No	No
31229	TraesCS6A03G0476500	1.08527	0.72269	No	No
31230	TraesCS6A03G0477100	1.05272	1.41161	UP	UP
31233	TraesCS6A03G0478300	1.16939	0.80243	No	No
31236	TraesCS6A03G0478800	1.84987	0.80864	No	No
31238	TraesCS6A03G0480200	1.48384	0.7952	No	No
31240	TraesCS6A03G0481800	0.83203	1.39853	No	No
31241	TraesCS6A03G0482800	1.46097	0.64677	No	No
31243	TraesCS6A03G0483400	0.90146	2.45675	Down	Up
31244	TraesCS6A03G0483900	0.89103	1.0852	No	No
31246	TraesCS6A03G0485200	1.51601	1.60013	UP	UP
31251	TraesCS6A03G0487500	0.67271	1.22133	No	No
31252	TraesCS6A03G0487800	0.38898	0.85154	Down	Down
31253	TraesCS6A03G0488100	0.97879	1.82233	No	No
31254	TraesCS6A03G0488400	1.73345	0.4554	Up	Down
31255	TraesCS6A03G0489400	1.16449	2.0291	Up	Up
31256	TraesCS6A03G0489700	1.28904	0.59324	No	No
31257	TraesCS6A03G0489800	0.79223	0.50709	Down	Down
31258	TraesCS6A03G0490100	1.11565	1.44866	UP	UP
31259	TraesCS6A03G0491500	2.38367	0.89565	Up	Down
31260	TraesCS6A03G0492700	1.15977	1.19509	UP	UP
31262	TraesCS6A03G0494500	0.89701	0.45237	Down	Down
31264	TraesCS6A03G0495900	1.00845	1.234	UP	UP
31265	TraesCS6A03G0497000	1.41767	0.69731	No	No
31266	TraesCS6A03G0497500	0.88387	1.19332	No	No
31267	TraesCS6A03G0499100	1.52899	2.88104	Up	Up
31268	TraesCS6A03G0499700	1.09913	0.95944	No	No
31269	TraesCS6A03G0500300	1.60613	0.85125	No	No
31270	TraesCS6A03G0501400	1.2023	1.40143	UP	UP
31271	TraesCS6A03G0501600	1.7154	0.82593	No	No
31272	TraesCS6A03G0501600	0.96107	2.97444	Down	Up
31273	TraesCS6A03G0502500	0.7907	1.25705	No	No
31274	TraesCS6A03G0503300	1.063	0.60939	No	No
31275	TraesCS6A03G0504400	0.85232	0.9645	Down	Down
31276	TraesCS6A03G0505500	0.94417	1.02531	No	No
31277	TraesCS6A03G0505900	0.86864	1.22377	No	No
31278	TraesCS6A03G0507000	0.76369	2.0409	Down	Up
31279	TraesCS6A03G0508900	0.99934	0.78981	Down	Down
31280	TraesCS6A03G0509600	0.70891	1.24235	No	No
31282	TraesCS6A03G0510900	0.87637	1.00236	No	No
31283	TraesCS6A03G0511700	0.82981	0.58789	Down	Down
31284	TraesCS6A03G0513200	0.80247	1.2251	No	No
31285	TraesCS6A03G0514900	1.05194	0.78578	No	No
31287	TraesCS6A03G0515400	1.11048	0.4713	Up	Down
31289	TraesCS6A03G0517500	0.87827	0.87936	Down	Down
31290	TraesCS6A03G0519700	0.84995	0.74375	Down	Down
31291	TraesCS6A03G0520200	1.2958	1.11788	UP	UP
31293	TraesCS6A03G0520500	0.66624	1.24273	No	No
31294	TraesCS6A03G0522300	0.66095	1.22724	No	No
31295	TraesCS6A03G0522700	0.74533	1.25757	No	No
31298	TraesCS6A03G0523200	1.08883	0.85391	No	No
31299	TraesCS6A03G0524100	0.7695	1.25679	No	No

31300	TraesCS6A03G0525400	1.10199	0.66224	No	No
31301	TraesCS6A03G0526700	0.90625	0.743	Down	Down
31302	TraesCS6A03G0528700	0.96093	1.82448	No	No
31303	TraesCS6A03G0529600	0.89224	2.83986	Down	Up
31306	TraesCS6A03G0532600	0.97547	0.73193	Down	Down
31307	TraesCS6A03G0533100	0.7779	0.66281	Down	Down
31308	TraesCS6A03G0533100	0.71844	1.12764	No	No
31309	TraesCS6A03G0533100	1.79241	0.92795	No	No
31310	TraesCS6A03G0533800	0.83801	1.37081	No	No
31311	TraesCS6A03G0534500	1.37032	1.15014	UP	UP
31312	TraesCS6A03G0535300	0.8038	1.25181	No	No
31313	TraesCS6A03G0535700	1.25574	1.09118	UP	UP
31314	TraesCS6A03G0537200	0.9038	1.31501	No	No
31315	TraesCS6A03G0537800	0.83307	1.49439	No	No
31316	TraesCS6A03G0540100	1.2599	2.47665	Up	Up
31318	TraesCS6A03G0541100	0.79188	0.27735	Down	Down
31319	TraesCS6A03G0541500	0.93714	1.99566	No	No
31320	TraesCS6A03G0542000	0.90756	1.5759	No	No
31323	TraesCS6A03G0543700	0.88691	1.46777	No	No
31325	TraesCS6A03G0545300	1.89752	0.75892	No	No
31326	TraesCS6A03G0546100	0.5152	1.11643	No	No
31327	TraesCS6A03G0546700	0.77403	2.02463	Down	Up
31328	TraesCS6A03G0547800	0.90101	1.25718	No	No
31330	TraesCS6A03G0549000	1.11437	0.60191	No	No
31331	TraesCS6A03G0549100	0.98068	1.00838	No	No
31332	TraesCS6A03G0549300	0.87451	1.70297	No	No
31333	TraesCS6A03G0550100	0.71747	1.62143	No	No
31334	TraesCS6A03G0550200	0.83673	0.3665	Down	Down
31336	TraesCS6A03G0552700	0.92555	0.81858	Down	Down
31337	TraesCS6A03G0553700	1.20856	1.73909	UP	UP
31338	TraesCS6A03G0555000	1.07588	1.16694	UP	UP
31341	TraesCS6A03G0556000	0.76341	0.95652	Down	Down
31342	TraesCS6A03G0556100	0.67978	1.38014	No	No
31344	TraesCS6A03G0557300	1.77115	1.60101	UP	UP
31345	TraesCS6A03G0557700	0.91143	0.89545	Down	Down
31346	TraesCS6A03G0558700	0.84094	1.53729	No	No
31347	TraesCS6A03G0559000	1.34378	1.24137	UP	UP
31352	TraesCS6A03G0562300	1.71238	0.56202	No	No
31355	TraesCS6A03G0564100	1.07677	0.1357	Up	Down
31356	TraesCS6A03G0564200	1.05232	0.6072	No	No
31357	TraesCS6A03G0565100	0.78771	0.92878	Down	Down
31358	TraesCS6A03G0565200	1.0603	1.62361	UP	UP
31360	TraesCS6A03G0566700	1.07427	2.14942	Up	Up
31361	TraesCS6A03G0570300	1.0323	1.40896	UP	UP
31363	TraesCS6A03G0571600	1.13508	0.22558	Up	Down
31365	TraesCS6A03G0572300	0.98766	0.47592	Down	Down
31366	TraesCS6A03G0572600	0.95319	1.4331	No	No
31367	TraesCS6A03G0572900	0.8551	2.01415	Down	Up
31368	TraesCS6A03G0575500	0.91503	2.42872	Down	Up
31369	TraesCS6A03G0575700	0.55236	4.05336	Down	Up
31371	TraesCS6A03G0577500	0.85111	0.76556	Down	Down
31372	TraesCS6A03G0577600	0.74944	1.6073	No	No

31373	TraesCS6A03G0578100	0.66076	0.49026	Down	Down
31374	TraesCS6A03G0579100	0.74428	0.22026	Down	Down
31375	TraesCS6A03G0579200	1.08877	1.58317	UP	UP
31376	TraesCS6A03G0579500	0.84469	0.4997	Down	Down
31377	TraesCS6A03G0579600	1.05831	1.15826	UP	UP
31378	TraesCS6A03G0580300	0.86357	1.71758	No	No
31379	TraesCS6A03G0580800	0.98919	1.56047	No	No
31380	TraesCS6A03G0581000	0.99929	1.20139	No	No
31382	TraesCS6A03G0581800	1.08207	1.23988	UP	UP
31383	TraesCS6A03G0582000	0.91312	0.76256	Down	Down
31384	TraesCS6A03G0582100	1.086	0.83327	No	No
31385	TraesCS6A03G0582200	1.3537	0.5395	No	No
31386	TraesCS6A03G0582900	0.87034	0.3169	Down	Down
31387	TraesCS6A03G0583000	1.12871	1.12398	UP	UP
31388	TraesCS6A03G0584100	0.99502	2.26871	Down	Up
31389	TraesCS6A03G0585000	1.03994	1.39669	UP	UP
31390	TraesCS6A03G0585100	1.14991	0.4817	Up	Down
31393	TraesCS6A03G0585900	1.12234	0.85469	No	No
31395	TraesCS6A03G0586800	0.59916	1.74445	No	No
31396	TraesCS6A03G0587600	0.67315	1.05057	No	No
31398	TraesCS6A03G0587800	1.05425	0.97417	No	No
31399	TraesCS6A03G0588200	1.28002	0.31752	Up	Down
31400	TraesCS6A03G0588300	1.32451	1.10087	UP	UP
31401	TraesCS6A03G0589300	1.06903	1.65517	UP	UP
31402	TraesCS6A03G0592200	1.38297	0.31616	Up	Down
31403	TraesCS6A03G0592400	1.06678	0.66294	No	No
31404	TraesCS6A03G0593100	1.62761	1.1518	UP	UP
31405	TraesCS6A03G0593900	0.91932	1.09447	No	No
31406	TraesCS6A03G0594000	1.02347	1.02278	UP	UP
31407	TraesCS6A03G0594100	1.67922	0.19535	Up	Down
31408	TraesCS6A03G0594700	1.2965	0.61083	No	No
31409	TraesCS6A03G0595000	0.92572	1.41776	No	No
31410	TraesCS6A03G0595100	0.98085	1.19469	No	No
31413	TraesCS6A03G0595700	1.78833	0.80763	No	No
31414	TraesCS6A03G0595900	0.97454	2.1861	Down	Up
31415	TraesCS6A03G0596000	0.88122	1.00774	No	No
31416	TraesCS6A03G0596200	1.20606	0.61848	No	No
31417	TraesCS6A03G0597700	1.10529	0.63557	No	No
31419	TraesCS6A03G0598300	1.0179	0.90072	No	No
31420	TraesCS6A03G0598600	0.92705	1.37043	No	No
31421	TraesCS6A03G0599200	0.80841	1.75032	No	No
31422	TraesCS6A03G0599300	0.943	0.37914	Down	Down
31423	TraesCS6A03G0599600	0.84868	1.1571	No	No
31424	TraesCS6A03G0600000	0.91042	0.67378	Down	Down
31425	TraesCS6A03G0600300	0.85139	0.68951	Down	Down
31426	TraesCS6A03G0600500	0.8281	0.91264	Down	Down
31427	TraesCS6A03G0600500	0.60434	0.65701	Down	Down
31428	TraesCS6A03G0601000	0.84876	0.33346	Down	Down
31429	TraesCS6A03G0601100	1.10471	0.77551	No	No
31430	TraesCS6A03G0601500	0.66891	0.62852	Down	Down
31431	TraesCS6A03G0601600	1.10668	0.65814	No	No
31432	TraesCS6A03G0601800	0.85587	1.56325	No	No

31433	TraesCS6A03G0603100	0.71414	1.27854	No	No
31434	TraesCS6A03G0603200	1.01881	0.84974	No	No
31435	TraesCS6A03G0604000	0.58988	1.9874	No	No
31436	TraesCS6A03G0604200	1.29468	1.25011	UP	UP
31437	TraesCS6A03G0604400	1.10976	2.59128	Up	Up
31438	TraesCS6A03G0604800	1.1776	1.13037	UP	UP
31439	TraesCS6A03G0604900	0.68256	0.71672	Down	Down
31441	TraesCS6A03G0606200	0.64766	1.48411	No	No
31442	TraesCS6A03G0606300	1.9528	0.58713	No	No
31444	TraesCS6A03G0606900	0.83934	0.56477	Down	Down
31445	TraesCS6A03G0607600	1.04545	0.74804	No	No
31446	TraesCS6A03G0607800	0.9801	0.61974	Down	Down
31447	TraesCS6A03G0608300	1.02413	2.10157	Up	Up
31448	TraesCS6A03G0608900	1.04495	0.95812	No	No
31449	TraesCS6A03G0608900	2.93116	0.63678	Up	Down
31450	TraesCS6A03G0609100	0.88227	0.47139	Down	Down
31452	TraesCS6A03G0611400	2.46308	0.37829	Up	Down
31453	TraesCS6A03G0612000	1.44853	0.40955	Up	Down
31454	TraesCS6A03G0613000	1.33682	1.83205	UP	UP
31456	TraesCS6A03G0613700	0.42246	3.63402	Down	Up
31457	TraesCS6A03G0617100	0.69392	1.42201	No	No
31458	TraesCS6A03G0617600	1.1525	1.23907	UP	UP
31459	TraesCS6A03G0617900	0.77856	3.83802	Down	Up
31461	TraesCS6A03G0619400	0.62413	1.65213	No	No
31462	TraesCS6A03G0619500	0.80639	1.51158	No	No
31463	TraesCS6A03G0619600	1.19026	0.98288	No	No
31464	TraesCS6A03G0620700	0.85722	0.75804	Down	Down
31465	TraesCS6A03G0621200	1.08941	0.96877	No	No
31466	TraesCS6A03G0622000	0.92778	1.47824	No	No
31468	TraesCS6A03G0622700	0.945	2.05064	Down	Up
31469	TraesCS6A03G0624100	0.69697	3.23525	Down	Up
31470	TraesCS6A03G0624200	0.82625	0.98572	Down	Down
31471	TraesCS6A03G0624400	1.06317	0.69185	No	No
31474	TraesCS6A03G0626900	1.06915	1.08424	UP	UP
31475	TraesCS6A03G0627000	1.11743	2.35092	Up	Up
31476	TraesCS6A03G0627400	0.69687	2.21063	Down	Up
31480	TraesCS6A03G0630400	0.57221	6.12163	Down	Up
31481	TraesCS6A03G0631200	1.2646	1.57494	UP	UP
31482	TraesCS6A03G0632100	1.15083	1.0145	UP	UP
31483	TraesCS6A03G0632800	1.25765	0.87335	No	No
31484	TraesCS6A03G0632900	0.90777	1.19511	No	No
31485	TraesCS6A03G0633000	0.94191	1.1289	No	No
31486	TraesCS6A03G0634100	0.8799	0.81349	Down	Down
31487	TraesCS6A03G0634900	0.93714	0.31108	Down	Down
31488	TraesCS6A03G0635200	1.21381	0.84659	No	No
31489	TraesCS6A03G0635500	1.54599	0.98206	No	No
31491	TraesCS6A03G0636600	0.82832	1.40783	No	No
31492	TraesCS6A03G0636700	0.93943	0.40371	Down	Down
31493	TraesCS6A03G0637300	1.30017	1.41813	UP	UP
31496	TraesCS6A03G0638700	0.71827	0.80384	Down	Down
31497	TraesCS6A03G0638800	1.05403	0.7668	No	No
31498	TraesCS6A03G0639000	1.18199	1.2941	UP	UP

31499	TraesCS6A03G0639300	0.46385	8.40951	Down	Up
31500	TraesCS6A03G0639700	1.49218	0.78838	No	No
31501	TraesCS6A03G0639800	1.33049	1.40505	UP	UP
31502	TraesCS6A03G0640300	1.2127	1.57951	UP	UP
31503	TraesCS6A03G0640400	0.99854	0.94145	Down	Down
31504	TraesCS6A03G0640900	0.70842	2.24452	Down	Up
31505	TraesCS6A03G0641100	1.19765	0.17631	Up	Down
31508	TraesCS6A03G0642700	0.97972	1.11095	No	No
31509	TraesCS6A03G0642800	0.83237	0.35154	Down	Down
31510	TraesCS6A03G0643200	1.05256	1.57924	UP	UP
31512	TraesCS6A03G0643900	1.0216	1.63568	UP	UP
31514	TraesCS6A03G0644600	1.14117	0.99675	No	No
31515	TraesCS6A03G0644700	0.98025	1.26299	No	No
31516	TraesCS6A03G0645300	1.1718	0.34607	Up	Down
31517	TraesCS6A03G0645400	0.96312	1.06248	No	No
31519	TraesCS6A03G0646100	1.46887	1.23273	UP	UP
31520	TraesCS6A03G0646500	1.12139	1.08311	UP	UP
31521	TraesCS6A03G0647400	1.7604	0.75701	No	No
31522	TraesCS6A03G0648400	1.10279	1.4138	UP	UP
31523	TraesCS6A03G0649300	1.11453	0.75447	No	No
31524	TraesCS6A03G0649400	1.7094	1.03668	UP	UP
31525	TraesCS6A03G0649600	1.48397	0.54792	No	No
31526	TraesCS6A03G0650000	1.52208	2.28818	Up	Up
31527	TraesCS6A03G0651200	1.01771	0.49021	Up	Down
31528	TraesCS6A03G0651800	2.32553	1.58027	Up	Up
31529	TraesCS6A03G0653000	1.19097	0.99682	No	No
31530	TraesCS6A03G0653200	0.72061	1.73635	No	No
31531	TraesCS6A03G0654100	0.81243	4.95556	Down	Up
31532	TraesCS6A03G0654300	0.96371	0.84775	Down	Down
31533	TraesCS6A03G0655200	0.79627	1.58962	No	No
31534	TraesCS6A03G0656900	1.14686	0.65278	No	No
31535	TraesCS6A03G0657100	1.10116	0.38788	Up	Down
31536	TraesCS6A03G0657300	0.32931	1.16338	Down	Up
31537	TraesCS6A03G0657600	0.87959	2.20025	Down	Up
31538	TraesCS6A03G0658500	0.94795	1.11709	No	No
31539	TraesCS6A03G0658600	1.06468	1.14061	UP	UP
31540	TraesCS6A03G0658800	1.20614	0.57533	No	No
31541	TraesCS6A03G0659600	0.51743	0.61658	Down	Down
31542	TraesCS6A03G0659700	0.85359	0.34338	Down	Down
31543	TraesCS6A03G0660200	0.92556	0.71606	Down	Down
31544	TraesCS6A03G0660500	0.82036	0.71135	Down	Down
31545	TraesCS6A03G0662000	0.87667	0.3717	Down	Down
31546	TraesCS6A03G0662100	1.10664	2.28826	Up	Up
31548	TraesCS6A03G0662700	0.9257	1.07	No	No
31549	TraesCS6A03G0662800	0.97901	1.30956	No	No
31551	TraesCS6A03G0663600	0.65841	2.90849	Down	Up
31552	TraesCS6A03G0664500	0.82756	1.10296	No	No
31553	TraesCS6A03G0664600	1.36818	2.03535	Up	Up
31554	TraesCS6A03G0664700	1.00327	1.01715	UP	UP
31555	TraesCS6A03G0665100	0.98994	2.45214	Down	Up
31556	TraesCS6A03G0665900	1.0428	1.22043	UP	UP
31557	TraesCS6A03G0666300	0.49666	1.91217	Down	Up

31558	TraesCS6A03G0667600	1.0098	0.86522	No	No
31559	TraesCS6A03G0667800	0.64622	4.86612	Down	Up
31560	TraesCS6A03G0668000	0.88056	1.79179	No	No
31561	TraesCS6A03G0668400	0.73279	3.18045	Down	Up
31562	TraesCS6A03G0669000	0.82519	0.84849	Down	Down
31563	TraesCS6A03G0669200	0.66561	1.35908	No	No
31564	TraesCS6A03G0669600	0.68592	1.45061	No	No
31565	TraesCS6A03G0669900	0.99267	0.44755	Down	Down
31566	TraesCS6A03G0670700	1.08332	0.97152	No	No
31567	TraesCS6A03G0671800	1.50735	0.93974	No	No
31569	TraesCS6A03G0672700	1.00631	0.84056	No	No
31570	TraesCS6A03G0672900	0.71741	0.74859	Down	Down
31571	TraesCS6A03G0673200	0.61776	0.911	Down	Down
31572	TraesCS6A03G0673800	0.97166	4.4532	Down	Up
31573	TraesCS6A03G0674100	0.8504	0.75831	Down	Down
31574	TraesCS6A03G0675000	1.82973	0.91358	No	No
31575	TraesCS6A03G0676500	1.01019	0.4171	Up	Down
31576	TraesCS6A03G0677000	0.36725	0.7172	Down	Down
31577	TraesCS6A03G0677800	0.77089	2.37057	Down	Up
31578	TraesCS6A03G0678400	1.08324	0.56394	No	No
31579	TraesCS6A03G0679300	1.01617	0.86934	No	No
31580	TraesCS6A03G0679900	0.86373	0.72564	Down	Down
31581	TraesCS6A03G0681100	0.94538	2.54768	Down	Up
31582	TraesCS6A03G0682900	1.11154	1.20876	UP	UP
31583	TraesCS6A03G0683100	1.33646	0.24676	Up	Down
31584	TraesCS6A03G0683300	0.96713	0.67908	Down	Down
31585	TraesCS6A03G0683500	0.87825	1.31562	No	No
31586	TraesCS6A03G0684600	1.01343	0.44106	Up	Down
31587	TraesCS6A03G0684800	0.91294	1.33208	No	No
31588	TraesCS6A03G0685100	0.3768	1.71837	Down	Up
31589	TraesCS6A03G0686000	0.8002	1.97315	No	No
31590	TraesCS6A03G0686500	0.90814	1.01574	No	No
31591	TraesCS6A03G0686600	0.98696	1.31724	No	No
31592	TraesCS6A03G0687600	1.06062	0.62507	No	No
31594	TraesCS6A03G0688100	0.89239	0.9771	Down	Down
31595	TraesCS6A03G0688200	0.98449	1.38607	No	No
31597	TraesCS6A03G0689400	1.0084	2.45949	Up	Up
31598	TraesCS6A03G0689500	1.58709	0.33867	Up	Down
31599	TraesCS6A03G0689700	0.78343	1.14163	No	No
31600	TraesCS6A03G0690000	1.14332	1.21815	UP	UP
31601	TraesCS6A03G0690700	0.93791	1.10313	No	No
31602	TraesCS6A03G0690800	1.03819	0.63211	No	No
31603	TraesCS6A03G0691000	0.89447	1.51438	No	No
31605	TraesCS6A03G0692300	1.34824	1.87372	UP	UP
31606	TraesCS6A03G0693200	1.07883	0.63459	No	No
31607	TraesCS6A03G0693500	0.95692	1.11965	No	No
31608	TraesCS6A03G0693800	0.98565	1.42063	No	No
31609	TraesCS6A03G0695500	0.98185	1.24973	No	No
31610	TraesCS6A03G0696200	0.82587	1.59322	No	No
31611	TraesCS6A03G0696400	1.39859	0.25919	Up	Down
31612	TraesCS6A03G0696800	0.67872	1.89213	No	No
31613	TraesCS6A03G0697400	0.36409	30.9591	Down	Up

31614	TraesCS6A03G0697600	0.64018	2.81639	Down	Up
31615	TraesCS6A03G0697800	0.90921	1.06721	No	No
31616	TraesCS6A03G0698600	1.09512	0.72504	No	No
31617	TraesCS6A03G0699200	0.70499	1.44429	No	No
31618	TraesCS6A03G0699300	1.12488	0.92876	No	No
31619	TraesCS6A03G0699900	0.93693	2.7821	Down	Up
31620	TraesCS6A03G0702200	1.1619	1.40044	UP	UP
31621	TraesCS6A03G0702300	0.84985	1.28755	No	No
31622	TraesCS6A03G0703300	1.94339	4.1193	Up	Up
31623	TraesCS6A03G0704700	1.00198	2.08324	Up	Up
31624	TraesCS6A03G0704900	0.59316	8.20612	Down	Up
31625	TraesCS6A03G0705000	1.24077	1.31715	UP	UP
31627	TraesCS6A03G0705800	0.99649	0.46035	Down	Down
31628	TraesCS6A03G0706000	0.91407	1.28719	No	No
31629	TraesCS6A03G0706300	1.0879	1.80976	UP	UP
31630	TraesCS6A03G0706900	0.63416	1.99957	No	No
31631	TraesCS6A03G0707000	0.7643	1.12302	No	No
31632	TraesCS6A03G0707400	0.94923	0.76743	Down	Down
31633	TraesCS6A03G0707400	1.62832	0.67262	No	No
31635	TraesCS6A03G0707900	0.77298	1.57347	No	No
31636	TraesCS6A03G0707900	0.85658	4.12496	Down	Up
31637	TraesCS6A03G0708200	1.46163	2.5081	Up	Up
31638	TraesCS6A03G0708300	1.08301	0.79818	No	No
31639	TraesCS6A03G0708400	1.0963	1.15444	UP	UP
31641	TraesCS6A03G0709300	1.05083	1.43914	UP	UP
31645	TraesCS6A03G0711800	0.73655	1.5112	No	No
31647	TraesCS6A03G0713100	0.79183	0.90484	Down	Down
31648	TraesCS6A03G0713200	0.95	2.16455	Down	Up
31649	TraesCS6A03G0713900	0.67131	0.88555	Down	Down
31650	TraesCS6A03G0714100	0.9624	1.08732	No	No
31651	TraesCS6A03G0714300	0.62834	6.44411	Down	Up
31652	TraesCS6A03G0714400	0.91381	0.30529	Down	Down
31654	TraesCS6A03G0717100	0.89355	3.86534	Down	Up
31655	TraesCS6A03G0717200	1.49394	0.54749	No	No
31656	TraesCS6A03G0717500	0.62699	1.27659	No	No
31657	TraesCS6A03G0720000	1.10262	1.83258	UP	UP
31658	TraesCS6A03G0720400	0.85569	1.23954	No	No
31659	TraesCS6A03G0720600	1.10838	0.26334	Up	Down
31660	TraesCS6A03G0721000	1.23063	0.99363	No	No
31661	TraesCS6A03G0721400	1.07136	0.85764	No	No
31662	TraesCS6A03G0722500	0.82029	2.21429	Down	Up
31663	TraesCS6A03G0722600	0.83336	0.83836	Down	Down
31664	TraesCS6A03G0723900	0.32029	7.12683	Down	Up
31665	TraesCS6A03G0724000	1.2149	1.07516	UP	UP
31666	TraesCS6A03G0724400	1.11698	1.25154	UP	UP
31667	TraesCS6A03G0724600	1.40762	1.08858	UP	UP
31668	TraesCS6A03G0724800	1.01092	0.19072	Up	Down
31669	TraesCS6A03G0725000	0.33934	5.16506	Down	Up
31670	TraesCS6A03G0725700	1.09875	0.16601	Up	Down
31671	TraesCS6A03G0726000	0.84404	3.4043	Down	Up
31672	TraesCS6A03G0726100	1.16949	1.19651	UP	UP
31673	TraesCS6A03G0726200	1.22021	0.67906	No	No

31674	TraesCS6A03G0726500	0.82909	1.07226	No	No
31675	TraesCS6A03G0726600	1.3261	0.44528	Up	Down
31676	TraesCS6A03G0726900	1.11394	1.58111	UP	UP
31677	TraesCS6A03G0727000	1.07281	0.89962	No	No
31678	TraesCS6A03G0727100	1.22471	0.09882	Up	Down
31679	TraesCS6A03G0727200	1.50897	1.04075	UP	UP
31680	TraesCS6A03G0727400	2.0514	0.67228	Up	Down
31682	TraesCS6A03G0727900	1.16149	0.99396	No	No
31683	TraesCS6A03G0728600	0.96633	1.41777	No	No
31684	TraesCS6A03G0728900	1.06242	0.55084	No	No
31685	TraesCS6A03G0729500	0.72038	1.13384	No	No
31686	TraesCS6A03G0729800	1.02198	1.2582	UP	UP
31688	TraesCS6A03G0730300	1.22182	1.37979	UP	UP
31689	TraesCS6A03G0730400	0.9313	1.15968	No	No
31691	TraesCS6A03G0731500	1.15452	0.71029	No	No
31692	TraesCS6A03G0731700	0.92058	0.86975	Down	Down
31693	TraesCS6A03G0731700	0.5151	3.30649	Down	Up
31694	TraesCS6A03G0733400	1.11402	1.21702	UP	UP
31695	TraesCS6A03G0734600	0.714	0.64114	Down	Down
31697	TraesCS6A03G0736800	1.64619	0.58012	No	No
31698	TraesCS6A03G0736900	0.6516	5.9265	Down	Up
31701	TraesCS6A03G0737500	0.59383	0.61233	Down	Down
31703	TraesCS6A03G0740800	0.64035	3.92885	Down	Up
31704	TraesCS6A03G0741400	0.84482	1.54812	No	No
31705	TraesCS6A03G0741700	0.69816	0.89448	Down	Down
31706	TraesCS6A03G0741800	1.15471	0.96979	No	No
31707	TraesCS6A03G0743000	0.73308	3.93144	Down	Up
31708	TraesCS6A03G0743100	1.95576	0.90182	No	No
31709	TraesCS6A03G0743400	1.02017	1.79679	UP	UP
31710	TraesCS6A03G0743500	0.84763	0.57307	Down	Down
31711	TraesCS6A03G0743800	0.85069	1.81765	No	No
31712	TraesCS6A03G0744200	0.89032	0.33263	Down	Down
31714	TraesCS6A03G0745400	0.86441	0.86786	Down	Down
31715	TraesCS6A03G0746600	0.87242	1.07038	No	No
31716	TraesCS6A03G0746700	1.4627	0.40894	Up	Down
31717	TraesCS6A03G0746900	0.80604	0.62695	Down	Down
31718	TraesCS6A03G0747700	0.93034	0.93827	Down	Down
31719	TraesCS6A03G0748000	1.05736	0.93951	No	No
31720	TraesCS6A03G0748100	1.06445	0.92141	No	No
31721	TraesCS6A03G0748800	0.97034	1.95963	No	No
31723	TraesCS6A03G0749000	1.08333	1.0284	UP	UP
31724	TraesCS6A03G0749000	1.6961	0.55637	No	No
31725	TraesCS6A03G0749400	0.44267	2.24492	Down	Up
31726	TraesCS6A03G0749600	1.43774	1.80466	UP	UP
31727	TraesCS6A03G0750200	0.40892	30.799	Down	Up
31729	TraesCS6A03G0750500	1.26566	1.18101	UP	UP
31730	TraesCS6A03G0750600	1.10746	1.03566	UP	UP
31731	TraesCS6A03G0750700	0.95446	1.81492	No	No
31732	TraesCS6A03G0750900	1.09881	0.61703	No	No
31733	TraesCS6A03G0751000	1.23626	0.49043	Up	Down
31734	TraesCS6A03G0751100	0.93086	0.82777	Down	Down
31736	TraesCS6A03G0751400	1.23582	0.88182	No	No

31739	TraesCS6A03G0753500	0.99272	2.04811	Down	Up
31740	TraesCS6A03G0754000	0.50544	21.8325	Down	Up
31741	TraesCS6A03G0754100	0.75197	7.30086	Down	Up
31742	TraesCS6A03G0754300	1.1864	0.82892	No	No
31743	TraesCS6A03G0754500	1.0055	0.88391	No	No
31744	TraesCS6A03G0756200	0.81323	0.83772	Down	Down
31745	TraesCS6A03G0756400	1.43317	1.96737	UP	UP
31746	TraesCS6A03G0756700	1.35353	2.53007	Up	Up
31747	TraesCS6A03G0756900	1.64017	2.1654	Up	Up
31748	TraesCS6A03G0757300	1.05056	1.26475	UP	UP
31749	TraesCS6A03G0757500	0.86268	5.06937	Down	Up
31750	TraesCS6A03G0758000	1.23001	1.1677	UP	UP
31751	TraesCS6A03G0758400	0.9007	0.96005	Down	Down
31752	TraesCS6A03G0758600	1.34083	0.56093	No	No
31753	TraesCS6A03G0758800	0.41512	0.41916	Down	Down
31755	TraesCS6A03G0759200	0.69317	2.13567	Down	Up
31756	TraesCS6A03G0759200	0.92376	2.8341	Down	Up
31757	TraesCS6A03G0759300	0.78552	1.17813	No	No
31758	TraesCS6A03G0760000	1.38662	1.08386	UP	UP
31759	TraesCS6A03G0760100	1.12262	2.97785	Up	Up
31760	TraesCS6A03G0760500	0.74084	0.71525	Down	Down
31761	TraesCS6A03G0760600	0.80036	0.8848	Down	Down
31762	TraesCS6A03G0760900	0.82523	0.3276	Down	Down
31763	TraesCS6A03G0761000	1.33729	2.58262	Up	Up
31764	TraesCS6A03G0761400	0.72555	1.93044	No	No
31765	TraesCS6A03G0762200	1.04346	0.13021	Up	Down
31766	TraesCS6A03G0762300	0.73507	2.79782	Down	Up
31767	TraesCS6A03G0762600	1.03763	0.75913	No	No
31768	TraesCS6A03G0763200	0.52494	0.95781	Down	Down
31770	TraesCS6A03G0764700	0.64151	0.30334	Down	Down
31771	TraesCS6A03G0765000	0.82234	0.7041	Down	Down
31772	TraesCS6A03G0765100	0.73618	1.10097	No	No
31773	TraesCS6A03G0765200	0.93601	0.35992	Down	Down
31775	TraesCS6A03G0765600	1.13824	0.45314	Up	Down
31776	TraesCS6A03G0765900	0.59297	1.35886	No	No
31777	TraesCS6A03G0766000	0.98084	0.60814	Down	Down
31779	TraesCS6A03G0767400	1.14776	0.3568	Up	Down
31780	TraesCS6A03G0767600	0.79932	0.79482	Down	Down
31781	TraesCS6A03G0768700	0.96444	1.50982	No	No
31782	TraesCS6A03G0768800	0.88459	1.13485	No	No
31783	TraesCS6A03G0769800	0.87287	0.96864	Down	Down
31785	TraesCS6A03G0771000	1.2939	1.7295	UP	UP
31786	TraesCS6A03G0771100	1.13689	0.3626	Up	Down
31787	TraesCS6A03G0771800	1.2833	1.21448	UP	UP
31788	TraesCS6A03G0772000	1.20734	0.719	No	No
31789	TraesCS6A03G0773000	1.4323	0.62831	No	No
31790	TraesCS6A03G0773300	1.09265	0.70977	No	No
31791	TraesCS6A03G0773400	0.83079	0.30029	Down	Down
31792	TraesCS6A03G0774400	0.92485	0.86931	Down	Down
31793	TraesCS6A03G0774600	0.93094	1.48389	No	No
31794	TraesCS6A03G0775600	0.91691	1.93734	No	No
31795	TraesCS6A03G0776900	0.87211	2.6462	Down	Up

31796	TraesCS6A03G0777300	0.9278	0.56905	Down	Down
31797	TraesCS6A03G0777600	0.70759	2.24653	Down	Up
31798	TraesCS6A03G0778300	1.29889	0.73496	No	No
31800	TraesCS6A03G0779000	1.95137	3.96354	Up	Up
31801	TraesCS6A03G0779500	0.76299	0.81153	Down	Down
31802	TraesCS6A03G0780000	1.0773	1.07074	UP	UP
31803	TraesCS6A03G0780200	1.10086	4.93711	Up	Up
31804	TraesCS6A03G0780800	0.78357	0.97658	Down	Down
31806	TraesCS6A03G0782200	1.31094	0.79924	No	No
31807	TraesCS6A03G0782600	0.66029	0.648	Down	Down
31808	TraesCS6A03G0782800	0.4003	2.25859	Down	Up
31809	TraesCS6A03G0783100	0.71303	1.35992	No	No
31810	TraesCS6A03G0783500	0.76853	0.73332	Down	Down
31811	TraesCS6A03G0784500	1.16755	2.03692	Up	Up
31812	TraesCS6A03G0784600	1.18775	1.006	UP	UP
31813	TraesCS6A03G0785900	0.94377	1.50227	No	No
31814	TraesCS6A03G0787800	0.80088	3.1639	Down	Up
31816	TraesCS6A03G0788700	0.65658	1.0426	No	No
31817	TraesCS6A03G0788800	0.9033	1.1799	No	No
31819	TraesCS6A03G0792100	0.7738	1.73027	No	No
31820	TraesCS6A03G0793400	0.88066	1.31282	No	No
31821	TraesCS6A03G0794400	1.03815	1.17868	UP	UP
31822	TraesCS6A03G0794700	0.88137	0.37442	Down	Down
31823	TraesCS6A03G0794800	0.99737	1.20922	No	No
31824	TraesCS6A03G0796000	1.05968	1.39189	UP	UP
31825	TraesCS6A03G0796000	1.31353	1.00083	UP	UP
31826	TraesCS6A03G0796100	1.1941	1.24926	UP	UP
31827	TraesCS6A03G0796500	1.10697	0.41764	Up	Down
31828	TraesCS6A03G0797500	0.9129	0.48168	Down	Down
31829	TraesCS6A03G0798600	1.31999	0.74443	No	No
31830	TraesCS6A03G0799000	0.99713	1.26454	No	No
31831	TraesCS6A03G0799300	1.05166	0.51497	No	No
31832	TraesCS6A03G0799600	1.05268	0.81196	No	No
31833	TraesCS6A03G0799800	0.7423	3.28055	Down	Up
31834	TraesCS6A03G0800000	0.93362	5.4796	Down	Up
31835	TraesCS6A03G0801600	0.90019	1.77554	No	No
31836	TraesCS6A03G0802100	0.70543	1.98161	No	No
31837	TraesCS6A03G0802600	1.07977	0.65193	No	No
31838	TraesCS6A03G0802700	1.03275	2.66492	Up	Up
31839	TraesCS6A03G0802900	0.93026	0.97002	Down	Down
31840	TraesCS6A03G0803200	1.11741	1.38494	UP	UP
31841	TraesCS6A03G0803300	1.04928	1.83907	UP	UP
31842	TraesCS6A03G0804100	1.02266	1.16908	UP	UP
31843	TraesCS6A03G0804600	0.75483	0.17771	Down	Down
31844	TraesCS6A03G0804900	1.24542	0.38591	Up	Down
31845	TraesCS6A03G0805200	0.91751	0.96311	Down	Down
31846	TraesCS6A03G0805300	1.13636	0.30162	Up	Down
31847	TraesCS6A03G0805800	0.80761	0.87774	Down	Down
31848	TraesCS6A03G0805900	0.61572	0.5262	Down	Down
31850	TraesCS6A03G0806400	1.12399	0.7363	No	No
31851	TraesCS6A03G0806700	0.99673	1.20282	No	No
31852	TraesCS6A03G0807500	0.89934	0.5383	Down	Down

31853	TraesCS6A03G0807800	0.98788	0.91304	Down	Down
31854	TraesCS6A03G0807900	0.71549	1.2528	No	No
31856	TraesCS6A03G0809800	0.83631	0.31963	Down	Down
31857	TraesCS6A03G0810200	1.18708	1.86266	UP	UP
31858	TraesCS6A03G0811000	1.25797	0.92836	No	No
31860	TraesCS6A03G0811600	0.96399	0.89077	Down	Down
31862	TraesCS6A03G0811900	1.34229	1.24503	UP	UP
31863	TraesCS6A03G0812000	2.23582	6.50618	Up	Up
31864	TraesCS6A03G0812200	1.62084	1.14013	UP	UP
31865	TraesCS6A03G0813500	1.31617	1.23052	UP	UP
31866	TraesCS6A03G0814000	0.88252	1.0329	No	No
31867	TraesCS6A03G0814400	0.7408	4.27228	Down	Up
31868	TraesCS6A03G0814700	1.0841	0.57132	No	No
31869	TraesCS6A03G0814800	1.1169	0.45274	Up	Down
31870	TraesCS6A03G0815300	0.85802	1.23072	No	No
31871	TraesCS6A03G0815400	0.6875	5.07287	Down	Up
31872	TraesCS6A03G0816500	0.46139	7.80427	Down	Up
31873	TraesCS6A03G0818200	0.86973	0.39035	Down	Down
31874	TraesCS6A03G0818300	1.55427	1.64512	UP	UP
31875	TraesCS6A03G0818400	0.7846	1.20718	No	No
31876	TraesCS6A03G0818700	0.97618	1.25099	No	No
31877	TraesCS6A03G0819000	0.55333	0.7272	Down	Down
31878	TraesCS6A03G0819100	1.03382	1.03548	UP	UP
31879	TraesCS6A03G0819400	1.2811	1.78233	UP	UP
31880	TraesCS6A03G0819900	0.73334	0.64473	Down	Down
31881	TraesCS6A03G0820000	0.94833	0.44799	Down	Down
31882	TraesCS6A03G0820100	0.7545	0.8663	Down	Down
31883	TraesCS6A03G0820400	0.63169	1.26464	No	No
31884	TraesCS6A03G0820900	0.91791	0.58479	Down	Down
31885	TraesCS6A03G0821000	1.0767	1.01656	UP	UP
31887	TraesCS6A03G0822900	1.08019	1.71013	UP	UP
31888	TraesCS6A03G0823200	0.82404	1.60187	No	No
31889	TraesCS6A03G0823500	0.83142	4.54482	Down	Up
31890	TraesCS6A03G0824800	0.49229	1.55976	Down	Up
31893	TraesCS6A03G0826700	1.1944	1.47868	UP	UP
31894	TraesCS6A03G0827000	0.8751	1.05533	No	No
31895	TraesCS6A03G0827200	0.8923	0.60449	Down	Down
31896	TraesCS6A03G0827600	0.72246	0.58466	Down	Down
31897	TraesCS6A03G0827700	0.94324	0.68305	Down	Down
31898	TraesCS6A03G0827900	1.08625	1.75992	UP	UP
31899	TraesCS6A03G0828700	0.94466	0.61647	Down	Down
31900	TraesCS6A03G0829100	0.97336	1.38998	No	No
31901	TraesCS6A03G0829200	0.75238	2.30176	Down	Up
31902	TraesCS6A03G0830000	0.96119	3.36529	Down	Up
31903	TraesCS6A03G0831400	0.41668	0.94461	Down	Down
31904	TraesCS6A03G0831500	1.0521	2.40832	Up	Up
31905	TraesCS6A03G0831800	1.23052	0.68234	No	No
31906	TraesCS6A03G0831900	1.2233	0.98581	No	No
31907	TraesCS6A03G0832200	2.95416	1.42794	Up	Up
31908	TraesCS6A03G0832500	1.20296	1.88415	UP	UP
31909	TraesCS6A03G0832600	1.1194	0.87467	No	No
31910	TraesCS6A03G0833100	1.63015	1.19724	UP	UP

31911	TraesCS6A03G0833100	0.58356	1.08865	No	No
31912	TraesCS6A03G0833500	0.90982	0.63721	Down	Down
31913	TraesCS6A03G0834200	0.83499	0.40403	Down	Down
31914	TraesCS6A03G0834500	0.82193	0.51239	Down	Down
31915	TraesCS6A03G0834600	1.33671	0.21445	Up	Down
31916	TraesCS6A03G0835100	1.06484	0.61555	No	No
31917	TraesCS6A03G0836400	2.13381	1.48427	Up	Up
31919	TraesCS6A03G0839900	0.80657	1.33981	No	No
31920	TraesCS6A03G0841800	0.73185	4.28138	Down	Up
31921	TraesCS6A03G0842200	0.8922	0.64802	Down	Down
31922	TraesCS6A03G0842400	0.85272	0.54449	Down	Down
31923	TraesCS6A03G0843600	1.08137	1.7316	UP	UP
31924	TraesCS6A03G0844900	0.81818	1.08795	No	No
31925	TraesCS6A03G0847700	1.00113	0.46812	Up	Down
31926	TraesCS6A03G0848400	0.23537	2.54326	Down	Up
31927	TraesCS6A03G0849400	1.96855	1.11772	UP	UP
31928	TraesCS6A03G0849900	1.73556	1.34688	UP	UP
31930	TraesCS6A03G0851500	1.40194	0.97091	No	No
31931	TraesCS6A03G0852000	1.59442	1.12268	UP	UP
31932	TraesCS6A03G0852700	1.13439	1.12011	UP	UP
31933	TraesCS6A03G0853400	0.75121	0.97116	Down	Down
31935	TraesCS6A03G0853800	0.85025	1.33734	No	No
31936	TraesCS6A03G0854800	0.73261	0.90503	Down	Down
31937	TraesCS6A03G0854900	0.78982	1.70581	No	No
31938	TraesCS6A03G0855300	1.24178	0.80128	No	No
31939	TraesCS6A03G0855800	1.11497	0.98191	No	No
31940	TraesCS6A03G0856000	0.63298	0.44022	Down	Down
31941	TraesCS6A03G0856200	1.08936	1.05336	UP	UP
31942	TraesCS6A03G0856300	0.74844	1.29002	No	No
31943	TraesCS6A03G0857600	1.05687	1.09928	UP	UP
31944	TraesCS6A03G0857900	0.92418	1.36276	No	No
31945	TraesCS6A03G0859200	0.86463	0.37836	Down	Down
31946	TraesCS6A03G0859300	1.4849	0.40479	Up	Down
31947	TraesCS6A03G0859500	0.894	0.83522	Down	Down
31948	TraesCS6A03G0860200	0.8278	1.15536	No	No
31949	TraesCS6A03G0861500	0.66733	1.31771	No	No
31950	TraesCS6A03G0861800	1.37647	1.06664	UP	UP
31951	TraesCS6A03G0864300	0.93401	1.04961	No	No
31953	TraesCS6A03G0865100	1.55778	0.77295	No	No
31954	TraesCS6A03G0865300	0.78259	1.09685	No	No
31956	TraesCS6A03G0867700	0.94675	0.72259	Down	Down
31957	TraesCS6A03G0867900	1.03784	2.79089	Up	Up
31958	TraesCS6A03G0869200	0.92503	0.80892	Down	Down
31959	TraesCS6A03G0869600	1.09203	1.06026	UP	UP
31960	TraesCS6A03G0869700	1.26304	0.31834	Up	Down
31961	TraesCS6A03G0869800	0.76748	0.58796	Down	Down
31964	TraesCS6A03G0871000	0.63979	1.41448	No	No
31965	TraesCS6A03G0872300	0.67074	0.86957	Down	Down
31966	TraesCS6A03G0872500	0.94748	1.18415	No	No
31967	TraesCS6A03G0874500	0.94446	0.46435	Down	Down
31968	TraesCS6A03G0875100	1.05487	0.6597	No	No
31969	TraesCS6A03G0875600	1.00156	0.90121	No	No

31970	TraesCS6A03G0877100	1.15488	0.67125	No	No
31971	TraesCS6A03G0877200	1.12684	2.01793	Up	Up
31972	TraesCS6A03G0877300	0.67097	1.3982	No	No
31973	TraesCS6A03G0877300	1.24684	1.15099	UP	UP
31975	TraesCS6A03G0877500	0.70143	1.28219	No	No
31976	TraesCS6A03G0877900	0.91062	1.56416	No	No
31977	TraesCS6A03G0880000	0.78607	0.8604	Down	Down
31978	TraesCS6A03G0880600	1.06684	1.68381	UP	UP
31979	TraesCS6A03G0883000	0.95958	1.15147	No	No
31983	TraesCS6A03G0886800	0.61085	2.59491	Down	Up
31984	TraesCS6A03G0887200	0.84487	2.469	Down	Up
31985	TraesCS6A03G0889000	1.03059	1.59332	UP	UP
31986	TraesCS6A03G0890000	0.98722	0.62237	Down	Down
31987	TraesCS6A03G0890700	1.13213	0.85598	No	No
31988	TraesCS6A03G0891500	0.79446	1.20989	No	No
31990	TraesCS6A03G0892600	1.00987	0.58032	No	No
31991	TraesCS6A03G0894200	1.06952	1.16333	UP	UP
31992	TraesCS6A03G0894500	1.48719	1.70352	UP	UP
31993	TraesCS6A03G0894600	1.6079	0.38742	Up	Down
31994	TraesCS6A03G0894800	0.81218	2.32689	Down	Up
31995	TraesCS6A03G0894800	0.86379	2.19875	Down	Up
31996	TraesCS6A03G0895300	0.75335	1.13719	No	No
31997	TraesCS6A03G0895500	0.86357	0.81295	Down	Down
31999	TraesCS6A03G0897900	0.67145	1.50257	No	No
32000	TraesCS6A03G0898500	0.8262	3.22804	Down	Up
32001	TraesCS6A03G0898600	1.49927	1.07967	UP	UP
32002	TraesCS6A03G0898700	0.78866	4.1628	Down	Up
32003	TraesCS6A03G0898800	0.91658	1.73956	No	No
32004	TraesCS6A03G0899100	0.86883	1.92848	No	No
32005	TraesCS6A03G0899500	0.70977	1.50559	No	No
32006	TraesCS6A03G0900600	1.67535	0.38878	Up	Down
32007	TraesCS6A03G0903100	1.01591	0.95886	No	No
32009	TraesCS6A03G0906700	0.6495	0.96438	Down	Down
32010	TraesCS6A03G0906800	0.86989	0.74314	Down	Down
32011	TraesCS6A03G0908100	1.02207	2.71705	Up	Up
32012	TraesCS6A03G0909000	1.15787	2.45295	Up	Up
32013	TraesCS6A03G0909400	1.21746	1.65858	UP	UP
32014	TraesCS6A03G0909600	0.83712	0.9073	Down	Down
32015	TraesCS6A03G0909800	1.13988	0.92554	No	No
32018	TraesCS6A03G0910400	1.09644	0.94688	No	No
32019	TraesCS6A03G0910500	1.02287	1.78449	UP	UP
32020	TraesCS6A03G0910700	1.23449	0.14617	Up	Down
32021	TraesCS6A03G0910800	0.75999	0.69637	Down	Down
32022	TraesCS6A03G0911900	1.34022	0.4487	Up	Down
32023	TraesCS6A03G0912000	1.37681	0.68186	No	No
32025	TraesCS6A03G0912400	1.02523	0.42831	Up	Down
32026	TraesCS6A03G0913000	1.4591	0.85039	No	No
32028	TraesCS6A03G0914700	2.77605	0.88525	Up	Down
32029	TraesCS6A03G0916300	1.08951	0.75302	No	No
32030	TraesCS6A03G0916800	1.24059	1.1182	UP	UP
32031	TraesCS6A03G0917800	1.06776	0.58704	No	No
32032	TraesCS6A03G0918000	1.15814	1.44205	UP	UP

32033	TraesCS6A03G0919800	0.96215	0.84818	Down	Down
32035	TraesCS6A03G0921200	1.24708	0.75563	No	No
32036	TraesCS6A03G0923000	1.85966	0.26348	Up	Down
32037	TraesCS6A03G0923200	1.09158	0.73208	No	No
32038	TraesCS6A03G0923700	0.82075	1.42489	No	No
32039	TraesCS6A03G0924100	0.7018	1.60401	No	No
32040	TraesCS6A03G0924600	0.66149	1.6026	No	No
32041	TraesCS6A03G0924700	0.62916	2.75544	Down	Up
32042	TraesCS6A03G0924800	1.10687	1.72056	UP	UP
32043	TraesCS6A03G0925600	1.10663	0.29356	Up	Down
32044	TraesCS6A03G0926000	0.70398	1.6321	No	No
32045	TraesCS6A03G0927500	0.84347	2.45078	Down	Up
32046	TraesCS6A03G0929800	0.96018	0.41907	Down	Down
32047	TraesCS6A03G0931800	0.81783	2.28862	Down	Up
32048	TraesCS6A03G0932100	1.13851	0.58848	No	No
32050	TraesCS6A03G0933300	0.91936	0.57053	Down	Down
32051	TraesCS6A03G0933500	0.73418	1.10423	No	No
32053	TraesCS6A03G0933700	0.70283	1.17746	No	No
32054	TraesCS6A03G0933800	0.85194	0.67007	Down	Down
32055	TraesCS6A03G0934000	0.99585	0.35206	Down	Down
32056	TraesCS6A03G0934300	0.90827	1.53845	No	No
32057	TraesCS6A03G0934700	0.44309	1.80892	Down	Up
32058	TraesCS6A03G0935600	1.20843	0.65731	No	No
32059	TraesCS6A03G0935600	1.24818	0.36078	Up	Down
32060	TraesCS6A03G0935800	0.89196	0.76083	Down	Down
32061	TraesCS6A03G0935900	0.81578	1.40661	No	No
32062	TraesCS6A03G0936700	0.53181	1.34835	No	No
32063	TraesCS6A03G0936800	1.70075	0.59075	No	No
32064	TraesCS6A03G0936900	1.87629	0.4152	Up	Down
32065	TraesCS6A03G0937800	1.05594	0.6783	No	No
32066	TraesCS6A03G0937900	1.29471	1.14212	UP	UP
32067	TraesCS6A03G0938100	0.91882	1.18708	No	No
32068	TraesCS6A03G0939000	1.12252	1.47525	UP	UP
32069	TraesCS6A03G0941000	1.28352	4.68425	Up	Up
32070	TraesCS6A03G0941100	1.18472	0.90154	No	No
32071	TraesCS6A03G0941800	0.79318	1.99899	No	No
32072	TraesCS6A03G0942000	0.94354	0.51537	Down	Down
32073	TraesCS6A03G0943800	1.21453	1.218	UP	UP
32074	TraesCS6A03G0943900	0.85481	0.25329	Down	Down
32075	TraesCS6A03G0944100	0.92966	0.95427	Down	Down
32078	TraesCS6A03G0946200	1.02528	0.37618	Up	Down
32079	TraesCS6A03G0946300	0.82542	1.06973	No	No
32080	TraesCS6A03G0947600	0.90229	1.75133	No	No
32081	TraesCS6A03G0949500	1.11628	0.95709	No	No
32082	TraesCS6A03G0951100	1.05774	0.77372	No	No
32084	TraesCS6A03G0951400	1.19607	3.86745	Up	Up
32085	TraesCS6A03G0951600	0.71453	1.78541	No	No
32086	TraesCS6A03G0953600	0.89201	1.87954	No	No
32088	TraesCS6A03G0953800	1.21052	0.60829	No	No
32089	TraesCS6A03G0953900	1.21142	1.74549	UP	UP
32090	TraesCS6A03G0954500	0.75149	0.77801	Down	Down
32091	TraesCS6A03G0956000	1.61691	0.20592	Up	Down

32092	TraesCS6A03G0957500	0.81577	0.70692	Down	Down
32093	TraesCS6A03G0958200	1.3594	1.41089	UP	UP
32094	TraesCS6A03G0958300	0.96257	0.85299	Down	Down
32095	TraesCS6A03G0958500	0.89215	2.67204	Down	Up
32096	TraesCS6A03G0958600	0.82135	1.3234	No	No
32097	TraesCS6A03G0962000	0.90345	1.58797	No	No
32099	TraesCS6A03G0963700	0.50907	1.86309	No	No
32100	TraesCS6A03G0965800	0.80852	0.81967	Down	Down
32101	TraesCS6A03G0966400	0.90007	0.76896	Down	Down
32102	TraesCS6A03G0966500	1.49168	0.65858	No	No
32103	TraesCS6A03G0966800	0.83677	0.80478	Down	Down
32104	TraesCS6A03G0968100	0.87469	1.0514	No	No
32105	TraesCS6A03G0969200	0.96238	0.56409	Down	Down
32106	TraesCS6A03G0969500	0.81632	0.9059	Down	Down
32107	TraesCS6A03G0969800	1.10971	1.13513	UP	UP
32108	TraesCS6A03G0970400	1.0098	2.78881	Up	Up
32109	TraesCS6A03G0971700	1.41038	0.8084	No	No
32110	TraesCS6A03G0972200	1.19548	0.36617	Up	Down
32111	TraesCS6A03G0972500	0.79944	1.83714	No	No
32112	TraesCS6A03G0972600	1.47939	0.61125	No	No
32113	TraesCS6A03G0972800	0.58981	1.31194	No	No
32114	TraesCS6A03G0973100	0.98356	0.30565	Down	Down
32115	TraesCS6A03G0973200	1.64857	0.2833	Up	Down
32116	TraesCS6A03G0973300	0.9416	0.49321	Down	Down
32117	TraesCS6A03G0973400	1.06103	1.08266	UP	UP
32118	TraesCS6A03G0973500	0.81423	1.48964	No	No
32120	TraesCS6A03G0973900	0.93469	1.46964	No	No
32121	TraesCS6A03G0976400	1.1399	1.00727	UP	UP
32122	TraesCS6A03G0979600	0.93965	1.28708	No	No
32123	TraesCS6A03G0979800	0.85736	1.20925	No	No
32124	TraesCS6A03G0979900	0.72434	0.47969	Down	Down
32125	TraesCS6A03G0982200	0.6654	2.08528	Down	Up
32126	TraesCS6A03G0982400	0.92738	1.87448	No	No
32127	TraesCS6A03G0987200	1.46925	0.4886	Up	Down
32128	TraesCS6A03G0987300	1.21812	0.40852	Up	Down
32129	TraesCS6A03G0987300	1.20312	0.30799	Up	Down
32130	TraesCS6A03G0987300	1.22199	0.33471	Up	Down
32132	TraesCS6A03G0987600	1.09341	1.9193	UP	UP
32133	TraesCS6A03G0987700	1.05435	1.62125	UP	UP
32134	TraesCS6A03G0987800	0.66333	1.77188	No	No
32135	TraesCS6A03G0987900	0.85359	0.27847	Down	Down
32136	TraesCS6A03G0987900	1.36348	0.58789	No	No
32137	TraesCS6A03G0988000	0.84646	1.31767	No	No
32138	TraesCS6A03G0988100	1.11599	0.61569	No	No
32139	TraesCS6A03G0990500	1.13913	0.29871	Up	Down
32140	TraesCS6A03G0991400	0.97698	1.37875	No	No
32143	TraesCS6A03G0992800	0.79801	1.29739	No	No
32144	TraesCS6A03G0992900	0.95958	1.46934	No	No
32145	TraesCS6A03G0993600	0.5137	2.14409	Down	Up
32146	TraesCS6A03G0993700	1.15805	0.61715	No	No
32147	TraesCS6A03G0993700	0.98339	0.62199	Down	Down
32148	TraesCS6A03G0993800	0.72931	3.00775	Down	Up

32149	TraesCS6A03G0994000	0.86662	1.36247	No	No
32150	TraesCS6A03G0996200	0.16918	24.9572	Down	Up
32152	TraesCS6A03G0997600	0.79916	1.57009	No	No
32153	TraesCS6A03G0999500	0.86861	1.07901	No	No
32154	TraesCS6A03G1000400	0.96765	0.98995	Down	Down
32155	TraesCS6A03G1000900	1.02117	1.19391	UP	UP
32156	TraesCS6A03G1001000	0.94173	1.84239	No	No
32157	TraesCS6A03G1001500	0.67457	1.62118	No	No
32158	TraesCS6A03G1001600	0.8303	0.81002	Down	Down
32159	TraesCS6A03G1001900	1.23661	0.90944	No	No
32160	TraesCS6A03G1002400	1.05626	0.99988	No	No
32161	TraesCS6A03G1002900	0.48455	1.22267	Down	Up
32162	TraesCS6A03G1003200	0.87704	0.84772	Down	Down
32163	TraesCS6A03G1006000	0.87585	0.62263	Down	Down
32164	TraesCS6A03G1006800	1.12752	1.59291	UP	UP
32165	TraesCS6A03G1006900	0.96193	0.36124	Down	Down
32166	TraesCS6A03G1007700	0.64386	1.86351	No	No
32167	TraesCS6A03G1007900	0.99304	1.13331	No	No
32168	TraesCS6A03G1008600	1.01506	1.42822	UP	UP
32169	TraesCS6A03G1011200	0.77819	1.17018	No	No
32170	TraesCS6A03G1011300	0.96993	1.56679	No	No
32171	TraesCS6A03G1011400	0.64418	0.30002	Down	Down
32172	TraesCS6A03G1013300	1.10594	0.47147	Up	Down
32173	TraesCS6A03G1013400	2.75233	0.23699	Up	Down
32174	TraesCS6A03G1013500	0.97179	0.7381	Down	Down
32175	TraesCS6A03G1013800	1.07104	0.92924	No	No
32177	TraesCS6A03G1014400	1.25804	0.75494	No	No
32178	TraesCS6A03G1015400	1.68244	0.1543	Up	Down
32180	TraesCS6A03G1016100	0.98306	1.17045	No	No
32181	TraesCS6A03G1016300	0.62674	1.23592	No	No
32182	TraesCS6A03G1016500	1.11873	1.46858	UP	UP
32183	TraesCS6A03G1016600	0.83477	3.93723	Down	Up
32184	TraesCS6A03G1016700	0.6971	0.36313	Down	Down
32185	TraesCS6A03G1016900	1.29381	0.85155	No	No
32186	TraesCS6A03G1017000	0.89819	1.57965	No	No
32187	TraesCS6A03G1018100	0.85938	1.32585	No	No
32188	TraesCS6A03G1018500	0.90698	1.51442	No	No
32189	TraesCS6A03G1018900	0.90905	1.13713	No	No
32190	TraesCS6A03G1019000	0.87576	1.10446	No	No
32191	TraesCS6A03G1019400	0.98882	1.9225	No	No
32192	TraesCS6A03G1021000	0.86752	1.36732	No	No
32193	TraesCS6A03G1022300	0.97507	0.3759	Down	Down
32194	TraesCS6A03G1023600	0.72899	0.91748	Down	Down
32196	TraesCS6A03G1024100	0.46945	1.58526	Down	Up
32197	TraesCS6A03G1024200	1.09518	0.98935	No	No
32198	TraesCS6A03G1024800	0.83809	1.08095	No	No
32199	TraesCS6A03G1025300	1.17596	1.66796	UP	UP
32200	TraesCS6A03G1026800	0.83134	0.81702	Down	Down
32201	TraesCS6A03G1027000	1.33301	0.69808	No	No
32202	TraesCS6A03G1028700	0.85896	1.35806	No	No
32203	TraesCS6A03G1028900	0.66407	0.58937	Down	Down
32204	TraesCS6A03G1030300	1.43789	1.24447	UP	UP

32205	TraesCS6A03G1030700	0.82057	0.33809	Down	Down
32206	TraesCS6A03G1030900	2.28572	0.61383	Up	Down
32207	TraesCS6A03G1032100	0.39106	0.42168	Down	Down
32208	TraesCS6A03G1037400	1.4776	0.78768	No	No
32209	TraesCS6A03G1039800	0.43232	1.07164	Down	Up
32210	TraesCS6A03G1039900	1.03318	0.231	Up	Down
32211	TraesCS6A03G1040500	0.43861	0.85875	Down	Down
32212	TraesCS6A03G1040600	1.17402	1.51193	UP	UP
32213	TraesCS6A03G1040700	0.85021	0.80522	Down	Down
32214	TraesCS6A03G1041200	0.5275	1.14922	No	No
32215	TraesCS6A03G1043100	0.93094	0.92838	Down	Down
32216	TraesCS6A03G1043300	0.77186	1.03218	No	No
32217	TraesCS6A03G1045100	1.27004	1.46284	UP	UP
32218	TraesCS6A03G1045900	0.8801	0.86994	Down	Down
32220	TraesCS6A03G1048100	1.1189	0.91422	No	No
32221	TraesCS6A03G1048200	1.02512	0.96037	No	No
32222	TraesCS6A03G1048900	1.12676	3.05769	Up	Up
32223	TraesCS6A03G1049000	0.89443	0.99694	Down	Down
32224	TraesCS6A03G1049900	1.1254	1.57608	UP	UP
32225	TraesCS6A03G1050000	0.89348	1.7111	No	No
32226	TraesCS6A03G1050600	0.87044	0.91645	Down	Down
32227	TraesCS6A03G1050800	1.1109	0.55138	No	No
32228	TraesCS6A03G1051300	0.95358	0.92262	Down	Down
32229	TraesCS6A03G1051600	1.46273	0.49559	Up	Down
32230	TraesCS6B03G0000500	0.95411	0.48905	Down	Down
32231	TraesCS6B03G0000700	0.77572	1.0351	No	No
32232	TraesCS6B03G0013900	0.5154	0.40628	Down	Down
32233	TraesCS6B03G0014000	0.86768	0.67643	Down	Down
32234	TraesCS6B03G0016500	0.70869	1.36662	No	No
32236	TraesCS6B03G0028000	1.05335	0.46107	Up	Down
32237	TraesCS6B03G0033400	0.80521	0.42818	Down	Down
32238	TraesCS6B03G0041500	1.00207	0.6608	No	No
32239	TraesCS6B03G0041700	1.38047	3.21618	Up	Up
32241	TraesCS6B03G0043400	0.43035	0.75188	Down	Down
32242	TraesCS6B03G0043900	0.76112	4.20344	Down	Up
32243	TraesCS6B03G0045800	0.66225	8.12486	Down	Up
32244	TraesCS6B03G0048100	0.90347	3.28793	Down	Up
32245	TraesCS6B03G0048200	0.91273	3.74689	Down	Up
32247	TraesCS6B03G0051600	0.97128	0.09899	Down	Down
32248	TraesCS6B03G0051700	1.14449	0.07692	Up	Down
32249	TraesCS6B03G0052200	0.94244	0.93498	Down	Down
32250	TraesCS6B03G0053900	1.06841	0.90278	No	No
32251	TraesCS6B03G0056200	2.74209	0.38337	Up	Down
32253	TraesCS6B03G0059200	1.23716	1.8487	UP	UP
32254	TraesCS6B03G0059300	0.88764	1.24193	No	No
32255	TraesCS6B03G0060300	0.74893	1.90085	No	No
32258	TraesCS6B03G0061900	0.74255	0.56378	Down	Down
32259	TraesCS6B03G0062000	1.03677	2.12744	Up	Up
32260	TraesCS6B03G0064400	0.76927	1.33916	No	No
32261	TraesCS6B03G0064500	0.88505	1.41151	No	No
32262	TraesCS6B03G0064700	1.18877	2.19099	Up	Up
32263	TraesCS6B03G0064800	0.91716	0.66	Down	Down

32264	TraesCS6B03G0065000	1.11558	3.23947	Up	Up
32265	TraesCS6B03G0074200	1.36044	0.46656	Up	Down
32266	TraesCS6B03G0074700	0.96328	0.94797	Down	Down
32268	TraesCS6B03G0076200	0.57387	1.46691	No	No
32271	TraesCS6B03G0078900	0.88668	0.93061	Down	Down
32272	TraesCS6B03G0079900	1.22406	1.28729	UP	UP
32273	TraesCS6B03G0081400	0.75451	1.69332	No	No
32278	TraesCS6B03G0084200	0.86819	0.72893	Down	Down
32281	TraesCS6B03G0085300	0.88159	1.29679	No	No
32282	TraesCS6B03G0086200	0.7783	2.29761	Down	Up
32283	TraesCS6B03G0086800	0.7717	2.921	Down	Up
32285	TraesCS6B03G0092600	0.97792	0.22916	Down	Down
32286	TraesCS6B03G0094900	1.08214	1.24094	UP	UP
32287	TraesCS6B03G0095200	0.62009	3.77503	Down	Up
32288	TraesCS6B03G0097200	0.77309	1.42667	No	No
32289	TraesCS6B03G0098600	0.81441	1.89655	No	No
32290	TraesCS6B03G0105400	0.86773	1.15561	No	No
32291	TraesCS6B03G0107400	0.8494	2.77366	Down	Up
32292	TraesCS6B03G0108200	0.91362	0.45751	Down	Down
32293	TraesCS6B03G0109100	0.59168	6.35804	Down	Up
32294	TraesCS6B03G0109800	0.95915	1.53798	No	No
32295	TraesCS6B03G0109800	0.95085	1.36882	No	No
32296	TraesCS6B03G0114300	1.04574	1.26725	UP	UP
32297	TraesCS6B03G0115800	1.82206	1.15144	UP	UP
32298	TraesCS6B03G0116500	1.10709	0.58207	No	No
32300	TraesCS6B03G0120800	4.80246	1.45215	Up	Up
32304	TraesCS6B03G0122900	0.89685	0.70161	Down	Down
32306	TraesCS6B03G0131000	0.95288	3.23719	Down	Up
32307	TraesCS6B03G0132000	0.87539	0.71096	Down	Down
32308	TraesCS6B03G0132300	1.2895	0.35604	Up	Down
32309	TraesCS6B03G0133900	0.44749	0.54007	Down	Down
32310	TraesCS6B03G0134100	0.48803	3.71751	Down	Up
32311	TraesCS6B03G0137600	0.77814	9.19817	Down	Up
32313	TraesCS6B03G0139700	1.28481	3.41732	Up	Up
32314	TraesCS6B03G0139900	1.02611	2.21217	Up	Up
32315	TraesCS6B03G0140500	0.80249	0.71751	Down	Down
32316	TraesCS6B03G0141500	1.06898	0.37368	Up	Down
32317	TraesCS6B03G0142500	1.16567	1.54532	UP	UP
32318	TraesCS6B03G0142600	1.02848	1.37462	UP	UP
32319	TraesCS6B03G0143000	0.46248	4.17105	Down	Up
32321	TraesCS6B03G0145000	1.03267	0.64718	No	No
32322	TraesCS6B03G0145100	1.05045	1.69913	UP	UP
32323	TraesCS6B03G0146200	0.87162	0.87984	Down	Down
32324	TraesCS6B03G0147400	0.86898	0.65126	Down	Down
32325	TraesCS6B03G0147700	0.77318	1.36559	No	No
32327	TraesCS6B03G0149600	0.80731	1.62741	No	No
32328	TraesCS6B03G0152400	0.94427	0.35336	Down	Down
32329	TraesCS6B03G0155100	0.73948	0.517	Down	Down
32330	TraesCS6B03G0155600	1.07903	0.77243	No	No
32332	TraesCS6B03G0157400	0.28629	0.75066	Down	Down
32333	TraesCS6B03G0158000	0.85842	0.90159	Down	Down
32334	TraesCS6B03G0160900	0.85866	4.86605	Down	Up

32335	TraesCS6B03G0162300	0.91268	0.8992	Down	Down
32336	TraesCS6B03G0163400	0.62587	2.34594	Down	Up
32337	TraesCS6B03G0168200	1.03341	0.71658	No	No
32338	TraesCS6B03G0168400	0.85976	0.36952	Down	Down
32339	TraesCS6B03G0168500	1.05477	0.9916	No	No
32340	TraesCS6B03G0169600	0.89781	0.99757	Down	Down
32341	TraesCS6B03G0171500	0.38284	1.76416	Down	Up
32347	TraesCS6B03G0176100	1.70648	1.90473	UP	UP
32348	TraesCS6B03G0183700	1.18406	0.54652	No	No
32349	TraesCS6B03G0184300	0.90931	1.10692	No	No
32350	TraesCS6B03G0184700	1.53854	1.69994	UP	UP
32351	TraesCS6B03G0187500	0.6502	0.99451	Down	Down
32352	TraesCS6B03G0187600	1.02998	0.92919	No	No
32353	TraesCS6B03G0188600	1.05125	1.26935	UP	UP
32354	TraesCS6B03G0188800	0.69906	1.99664	No	No
32357	TraesCS6B03G0191900	1.1013	1.11143	UP	UP
32358	TraesCS6B03G0192600	1.00157	0.76132	No	No
32359	TraesCS6B03G0193500	1.08834	0.99855	No	No
32364	TraesCS6B03G0196600	1.80663	1.0467	UP	UP
32365	TraesCS6B03G0200000	0.67458	0.68842	Down	Down
32366	TraesCS6B03G0202500	1.20291	31.4486	Up	Up
32368	TraesCS6B03G0208800	0.96186	1.7602	No	No
32369	TraesCS6B03G0208800	1.68479	1.34248	UP	UP
32370	TraesCS6B03G0209600	1.00446	0.50051	No	No
32374	TraesCS6B03G0211000	0.8178	0.55001	Down	Down
32375	TraesCS6B03G0211200	0.85113	1.70854	No	No
32379	TraesCS6B03G0212600	0.92411	0.87287	Down	Down
32380	TraesCS6B03G0213000	0.70607	1.05509	No	No
32382	TraesCS6B03G0215800	1.11269	0.90523	No	No
32383	TraesCS6B03G0216500	0.83159	0.98066	Down	Down
32384	TraesCS6B03G0217400	1.03763	0.42868	Up	Down
32385	TraesCS6B03G0219500	0.66916	0.375	Down	Down
32387	TraesCS6B03G0220000	1.1127	0.47914	Up	Down
32388	TraesCS6B03G0220700	1.1363	0.80279	No	No
32389	TraesCS6B03G0221200	0.72437	1.17339	No	No
32390	TraesCS6B03G0223000	0.87859	1.01283	No	No
32391	TraesCS6B03G0223100	0.71885	0.85867	Down	Down
32392	TraesCS6B03G0223200	1.26093	1.37216	UP	UP
32393	TraesCS6B03G0223900	0.85488	0.44096	Down	Down
32395	TraesCS6B03G0225700	0.95881	1.02135	No	No
32396	TraesCS6B03G0225800	0.87379	0.75837	Down	Down
32397	TraesCS6B03G0225900	1.25016	1.60166	UP	UP
32399	TraesCS6B03G0230000	0.5133	0.6722	Down	Down
32400	TraesCS6B03G0232100	0.59547	0.4038	Down	Down
32401	TraesCS6B03G0234500	0.84885	0.71329	Down	Down
32402	TraesCS6B03G0234700	1.14053	0.45667	Up	Down
32403	TraesCS6B03G0236500	1.02625	0.38843	Up	Down
32404	TraesCS6B03G0241200	0.85337	1.44299	No	No
32405	TraesCS6B03G0241500	1.52292	0.96021	No	No
32406	TraesCS6B03G0245500	0.6518	1.1708	No	No
32407	TraesCS6B03G0249000	1.22927	0.97245	No	No
32408	TraesCS6B03G0249500	0.75431	0.96835	Down	Down

32409	TraesCS6B03G0251100	0.92471	3.55921	Down	Up
32410	TraesCS6B03G0251900	1.76805	0.71001	No	No
32411	TraesCS6B03G0252900	0.42983	7.15832	Down	Up
32412	TraesCS6B03G0254400	0.9292	0.9894	Down	Down
32415	TraesCS6B03G0254800	0.93095	1.0474	No	No
32416	TraesCS6B03G0254900	1.07568	0.98522	No	No
32419	TraesCS6B03G0255700	1.02959	0.91695	No	No
32420	TraesCS6B03G0258000	0.76593	0.8181	Down	Down
32421	TraesCS6B03G0265100	0.76348	0.46328	Down	Down
32422	TraesCS6B03G0265200	0.93027	0.66475	Down	Down
32426	TraesCS6B03G0268300	1.03263	3.21289	Up	Up
32427	TraesCS6B03G0268300	1.41756	0.85601	No	No
32428	TraesCS6B03G0268300	0.84039	0.64746	Down	Down
32430	TraesCS6B03G0268600	0.77386	1.3412	No	No
32434	TraesCS6B03G0269400	0.7305	1.25309	No	No
32435	TraesCS6B03G0269500	0.8632	1.00872	No	No
32436	TraesCS6B03G0270300	0.76074	1.46918	No	No
32437	TraesCS6B03G0270400	1.00705	0.87281	No	No
32438	TraesCS6B03G0270500	1.07055	1.47552	UP	UP
32439	TraesCS6B03G0270600	0.66446	0.7125	Down	Down
32440	TraesCS6B03G0271200	1.04988	4.60855	Up	Up
32441	TraesCS6B03G0272100	0.73065	1.85346	No	No
32442	TraesCS6B03G0272300	0.70715	0.82448	Down	Down
32443	TraesCS6B03G0272400	0.64217	1.02147	No	No
32444	TraesCS6B03G0274500	1.02778	1.36064	UP	UP
32445	TraesCS6B03G0274600	0.85764	0.47502	Down	Down
32446	TraesCS6B03G0275400	0.97989	0.56972	Down	Down
32447	TraesCS6B03G0277500	0.78027	1.27557	No	No
32448	TraesCS6B03G0277700	0.65403	1.5956	No	No
32450	TraesCS6B03G0279300	1.07554	1.14706	UP	UP
32451	TraesCS6B03G0280000	0.85413	0.74117	Down	Down
32452	TraesCS6B03G0280000	1.04208	1.16555	UP	UP
32454	TraesCS6B03G0280900	0.99666	1.12526	No	No
32455	TraesCS6B03G0281200	0.90639	0.59128	Down	Down
32456	TraesCS6B03G0281300	0.98714	0.29246	Down	Down
32457	TraesCS6B03G0281400	1.09672	1.27759	UP	UP
32458	TraesCS6B03G0282800	0.90734	0.5057	Down	Down
32459	TraesCS6B03G0283900	0.41794	3.10313	Down	Up
32460	TraesCS6B03G0284600	0.81051	0.24971	Down	Down
32461	TraesCS6B03G0285300	0.99036	0.49124	Down	Down
32463	TraesCS6B03G0287800	1.28446	1.05754	UP	UP
32464	TraesCS6B03G0287800	0.86618	1.28123	No	No
32465	TraesCS6B03G0288700	0.6388	0.92579	Down	Down
32466	TraesCS6B03G0288900	1.12885	0.34465	Up	Down
32467	TraesCS6B03G0289000	1.16665	0.56372	No	No
32469	TraesCS6B03G0289700	0.88966	0.1998	Down	Down
32470	TraesCS6B03G0290800	0.94356	0.71763	Down	Down
32472	TraesCS6B03G0293100	1.35381	1.02791	UP	UP
32473	TraesCS6B03G0297800	0.80419	1.49314	No	No
32474	TraesCS6B03G0300700	0.90183	1.59407	No	No
32475	TraesCS6B03G0300700	0.95463	0.77548	Down	Down
32476	TraesCS6B03G0301000	0.66126	1.36528	No	No

32477	TraesCS6B03G0303300	0.92435	2.0663	Down	Up
32479	TraesCS6B03G0304400	2.7534	0.29782	Up	Down
32480	TraesCS6B03G0307200	1.86485	0.92889	No	No
32481	TraesCS6B03G0308300	0.88338	1.55731	No	No
32482	TraesCS6B03G0309600	0.60534	4.17143	Down	Up
32485	TraesCS6B03G0310200	0.89663	1.42375	No	No
32486	TraesCS6B03G0310500	0.87076	1.67524	No	No
32488	TraesCS6B03G0312000	0.88606	1.80584	No	No
32489	TraesCS6B03G0312100	1.01291	0.30908	Up	Down
32490	TraesCS6B03G0312100	0.51258	3.38293	Down	Up
32491	TraesCS6B03G0313000	0.82911	1.13843	No	No
32492	TraesCS6B03G0313200	0.87704	0.51091	Down	Down
32493	TraesCS6B03G0314000	1.03997	1.23347	UP	UP
32494	TraesCS6B03G0314200	1.59083	1.25051	UP	UP
32495	TraesCS6B03G0315000	1.17388	1.16828	UP	UP
32496	TraesCS6B03G0315100	0.73409	2.5447	Down	Up
32498	TraesCS6B03G0316000	1.09027	0.80279	No	No
32499	TraesCS6B03G0317400	1.04465	0.67924	No	No
32500	TraesCS6B03G0318000	1.64128	3.20166	Up	Up
32501	TraesCS6B03G0318000	1.30517	2.42383	Up	Up
32502	TraesCS6B03G0319000	1.29855	0.47133	Up	Down
32503	TraesCS6B03G0325100	0.77544	1.0176	No	No
32504	TraesCS6B03G0325200	1.11659	0.59689	No	No
32505	TraesCS6B03G0325500	0.77948	5.42845	Down	Up
32506	TraesCS6B03G0326100	0.81529	5.45248	Down	Up
32507	TraesCS6B03G0327300	1.16765	3.55346	Up	Up
32508	TraesCS6B03G0327500	0.46336	2.79779	Down	Up
32509	TraesCS6B03G0327600	1.08855	0.98202	No	No
32510	TraesCS6B03G0328000	0.91071	0.71695	Down	Down
32511	TraesCS6B03G0328100	0.74478	0.99599	Down	Down
32512	TraesCS6B03G0328300	0.65244	1.26113	No	No
32515	TraesCS6B03G0331900	1.19019	0.8104	No	No
32516	TraesCS6B03G0334200	1.03729	1.20115	UP	UP
32517	TraesCS6B03G0334600	0.93116	0.99735	Down	Down
32518	TraesCS6B03G0335500	0.81739	3.084	Down	Up
32519	TraesCS6B03G0335600	0.99336	0.56911	Down	Down
32520	TraesCS6B03G0336300	0.73378	0.78113	Down	Down
32523	TraesCS6B03G0339700	0.97846	0.46967	Down	Down
32524	TraesCS6B03G0340500	1.12767	1.93489	UP	UP
32525	TraesCS6B03G0340800	0.85249	0.87431	Down	Down
32526	TraesCS6B03G0342000	1.14807	0.5803	No	No
32527	TraesCS6B03G0342100	0.89896	0.70338	Down	Down
32528	TraesCS6B03G0342200	1.21438	0.7361	No	No
32530	TraesCS6B03G0344100	0.91183	1.20275	No	No
32531	TraesCS6B03G0344400	1.00493	1.9117	UP	UP
32532	TraesCS6B03G0345900	1.23431	0.11641	Up	Down
32533	TraesCS6B03G0347600	0.82352	2.1067	Down	Up
32534	TraesCS6B03G0347700	0.83414	0.77161	Down	Down
32536	TraesCS6B03G0349300	1.38281	0.57991	No	No
32537	TraesCS6B03G0350100	1.21477	0.97957	No	No
32538	TraesCS6B03G0350700	1.11424	1.17926	UP	UP
32539	TraesCS6B03G0350700	1.23966	1.24832	UP	UP

32540	TraesCS6B03G0350800	1.06121	0.81584	No	No
32541	TraesCS6B03G0351400	1.37019	0.10605	Up	Down
32542	TraesCS6B03G0352500	1.10325	0.87267	No	No
32545	TraesCS6B03G0353500	0.74491	1.4744	No	No
32546	TraesCS6B03G0354800	0.99249	0.97092	Down	Down
32547	TraesCS6B03G0354900	1.05631	1.90608	UP	UP
32549	TraesCS6B03G0356200	1.07823	1.16395	UP	UP
32550	TraesCS6B03G0356300	1.2807	1.23606	UP	UP
32551	TraesCS6B03G0356700	1.57914	1.17423	UP	UP
32552	TraesCS6B03G0356800	1.08937	1.17232	UP	UP
32553	TraesCS6B03G0357000	1.08669	0.90487	No	No
32554	TraesCS6B03G0359800	0.90332	16.9302	Down	Up
32555	TraesCS6B03G0360300	1.24355	0.70249	No	No
32556	TraesCS6B03G0361200	0.72641	1.17227	No	No
32557	TraesCS6B03G0361300	1.05225	0.70436	No	No
32558	TraesCS6B03G0361500	1.00363	2.64041	Up	Up
32559	TraesCS6B03G0362200	0.49815	2.28155	Down	Up
32560	TraesCS6B03G0362200	3.63009	2.47043	Up	Up
32561	TraesCS6B03G0363100	0.68817	0.98791	Down	Down
32563	TraesCS6B03G0364200	0.24375	8.42582	Down	Up
32564	TraesCS6B03G0364700	0.88063	1.186	No	No
32565	TraesCS6B03G0365000	0.73789	0.5898	Down	Down
32566	TraesCS6B03G0366600	1.36525	4.72439	Up	Up
32567	TraesCS6B03G0366700	1.07123	1.25485	UP	UP
32569	TraesCS6B03G0367400	1.37674	0.06377	Up	Down
32570	TraesCS6B03G0367500	0.98996	1.07852	No	No
32571	TraesCS6B03G0367600	0.92523	0.56021	Down	Down
32572	TraesCS6B03G0367900	0.94583	0.99172	Down	Down
32573	TraesCS6B03G0368000	1.08455	1.58232	UP	UP
32574	TraesCS6B03G0368800	0.80698	1.11273	No	No
32577	TraesCS6B03G0370600	0.79895	0.69361	Down	Down
32578	TraesCS6B03G0371600	0.75685	1.26479	No	No
32579	TraesCS6B03G0374800	0.86006	0.8558	Down	Down
32580	TraesCS6B03G0374900	0.90343	1.45527	No	No
32581	TraesCS6B03G0377100	0.71479	1.15557	No	No
32582	TraesCS6B03G0380000	0.48234	22.2294	Down	Up
32583	TraesCS6B03G0380500	1.17061	1.9718	UP	UP
32589	TraesCS6B03G0382900	0.85418	0.87605	Down	Down
32590	TraesCS6B03G0383400	1.46315	0.64866	No	No
32591	TraesCS6B03G0383800	1.36722	0.91805	No	No
32593	TraesCS6B03G0387800	0.66633	1.10566	No	No
32597	TraesCS6B03G0394200	0.9306	1.14357	No	No
32598	TraesCS6B03G0398200	0.67127	1.20858	No	No
32599	TraesCS6B03G0401100	1.54556	0.28611	Up	Down
32600	TraesCS6B03G0401100	2.14045	0.2553	Up	Down
32601	TraesCS6B03G0402900	1.08615	0.3518	Up	Down
32602	TraesCS6B03G0403900	0.73798	4.864	Down	Up
32603	TraesCS6B03G0404200	0.81213	0.9138	Down	Down
32604	TraesCS6B03G0404800	0.7979	2.06036	Down	Up
32605	TraesCS6B03G0405200	0.82853	0.50286	Down	Down
32606	TraesCS6B03G0405600	0.63566	2.34152	Down	Up
32607	TraesCS6B03G0405800	0.60344	2.91129	Down	Up

32608	TraesCS6B03G0406100	1.00835	0.95835	No	No
32611	TraesCS6B03G0407800	0.99639	1.39474	No	No
32612	TraesCS6B03G0408500	1.44396	3.9926	Up	Up
32613	TraesCS6B03G0410000	0.88116	0.23704	Down	Down
32614	TraesCS6B03G0410200	0.94128	1.31623	No	No
32615	TraesCS6B03G0410700	1.37409	0.82568	No	No
32616	TraesCS6B03G0411100	0.84228	1.18628	No	No
32617	TraesCS6B03G0411400	0.59924	0.9363	Down	Down
32619	TraesCS6B03G0412400	1.41865	0.95589	No	No
32620	TraesCS6B03G0413500	1.02246	0.46713	Up	Down
32621	TraesCS6B03G0413700	1.3918	0.52829	No	No
32622	TraesCS6B03G0413800	1.04521	1.00339	UP	UP
32623	TraesCS6B03G0414200	1.04851	0.94843	No	No
32626	TraesCS6B03G0417400	0.99401	1.09903	No	No
32627	TraesCS6B03G0418100	0.81058	0.89284	Down	Down
32628	TraesCS6B03G0418200	0.81984	0.75106	Down	Down
32629	TraesCS6B03G0418500	0.88507	2.93101	Down	Up
32630	TraesCS6B03G0419400	0.60598	0.78094	Down	Down
32631	TraesCS6B03G0420700	1.13768	1.35173	UP	UP
32632	TraesCS6B03G0421600	1.17785	0.92576	No	No
32633	TraesCS6B03G0422000	1.1598	0.33655	Up	Down
32636	TraesCS6B03G0422800	0.93984	0.98341	Down	Down
32637	TraesCS6B03G0424000	0.88916	0.86888	Down	Down
32644	TraesCS6B03G0427800	1.04785	1.76695	UP	UP
32646	TraesCS6B03G0430500	1.26101	0.83778	No	No
32647	TraesCS6B03G0430600	1.03851	2.76541	Up	Up
32648	TraesCS6B03G0430700	1.06838	0.98107	No	No
32649	TraesCS6B03G0431100	1.04242	0.97582	No	No
32650	TraesCS6B03G0431500	1.10021	1.11431	UP	UP
32651	TraesCS6B03G0432100	0.67218	2.19107	Down	Up
32653	TraesCS6B03G0433700	1.27856	0.38449	Up	Down
32655	TraesCS6B03G0435200	1.13465	1.12714	UP	UP
32656	TraesCS6B03G0435800	1.09069	2.33218	Up	Up
32659	TraesCS6B03G0438300	2.08766	1.67989	UP	UP
32660	TraesCS6B03G0438300	1.25888	1.4853	UP	UP
32661	TraesCS6B03G0438400	0.69254	0.28868	Down	Down
32662	TraesCS6B03G0438600	0.75996	0.73371	Down	Down
32663	TraesCS6B03G0440800	1.15824	0.26561	Up	Down
32664	TraesCS6B03G0441000	0.90737	1.05099	No	No
32665	TraesCS6B03G0441200	1.08027	0.16978	Up	Down
32666	TraesCS6B03G0441300	0.80978	1.42481	No	No
32667	TraesCS6B03G0442500	1.11019	1.69599	UP	UP
32668	TraesCS6B03G0442900	0.45069	1.48064	Down	Up
32669	TraesCS6B03G0443100	1.19064	0.96415	No	No
32670	TraesCS6B03G0443100	0.95327	0.70415	Down	Down
32671	TraesCS6B03G0443400	1.25865	0.8823	No	No
32672	TraesCS6B03G0443900	0.93682	1.49185	No	No
32673	TraesCS6B03G0444600	1.01777	1.50471	UP	UP
32674	TraesCS6B03G0445500	1.44717	0.46609	Up	Down
32675	TraesCS6B03G0446300	1.06045	1.32864	UP	UP
32676	TraesCS6B03G0446800	1.70356	7.4723	Up	Up
32677	TraesCS6B03G0447200	1.08318	1.11316	UP	UP

32678	TraesCS6B03G0447400	1.13959	1.2293	UP	UP
32679	TraesCS6B03G0447500	0.92681	0.39185	Down	Down
32680	TraesCS6B03G0447600	0.893	0.74306	Down	Down
32681	TraesCS6B03G0447900	1.34637	1.55906	UP	UP
32682	TraesCS6B03G0448000	0.76634	0.58044	Down	Down
32683	TraesCS6B03G0448500	0.88092	1.10788	No	No
32684	TraesCS6B03G0449100	1.04397	0.60557	No	No
32685	TraesCS6B03G0449100	1.19178	0.43757	Up	Down
32686	TraesCS6B03G0449200	0.7304	1.14339	No	No
32687	TraesCS6B03G0449300	1.1691	1.00991	UP	UP
32688	TraesCS6B03G0449700	1.02759	0.79677	No	No
32689	TraesCS6B03G0450500	0.92819	1.68128	No	No
32691	TraesCS6B03G0451000	0.76281	0.84364	Down	Down
32692	TraesCS6B03G0451200	0.8192	0.6371	Down	Down
32694	TraesCS6B03G0454000	0.52898	1.32608	No	No
32695	TraesCS6B03G0454100	0.595	1.85132	No	No
32696	TraesCS6B03G0454500	1.05133	3.12217	Up	Up
32697	TraesCS6B03G0455100	1.42311	0.86072	No	No
32699	TraesCS6B03G0455300	0.76139	0.40689	Down	Down
32700	TraesCS6B03G0455400	1.1266	0.76378	No	No
32701	TraesCS6B03G0456000	1.06782	0.68862	No	No
32702	TraesCS6B03G0456700	0.61226	8.46272	Down	Up
32703	TraesCS6B03G0457600	1.02915	1.12908	UP	UP
32704	TraesCS6B03G0460200	1.50226	1.05624	UP	UP
32705	TraesCS6B03G0461000	0.77045	0.48366	Down	Down
32706	TraesCS6B03G0461200	0.84392	1.06426	No	No
32707	TraesCS6B03G0462500	0.71062	0.95741	Down	Down
32708	TraesCS6B03G0462600	0.72611	1.43991	No	No
32709	TraesCS6B03G0464400	1.40435	1.14007	UP	UP
32710	TraesCS6B03G0464700	1.7133	0.33321	Up	Down
32711	TraesCS6B03G0464900	1.27461	0.63042	No	No
32712	TraesCS6B03G0465700	0.81444	1.17857	No	No
32713	TraesCS6B03G0465800	1.15071	2.78883	Up	Up
32714	TraesCS6B03G0466500	0.62764	1.51265	No	No
32715	TraesCS6B03G0467400	0.89453	3.7668	Down	Up
32716	TraesCS6B03G0467500	1.17978	0.81551	No	No
32717	TraesCS6B03G0467800	0.67603	1.22928	No	No
32718	TraesCS6B03G0468200	0.80658	1.35912	No	No
32719	TraesCS6B03G0468800	1.71396	2.41422	Up	Up
32720	TraesCS6B03G0468900	0.94336	0.50124	Down	Down
32721	TraesCS6B03G0469000	1.47368	1.25783	UP	UP
32722	TraesCS6B03G0469400	0.77021	1.41598	No	No
32725	TraesCS6B03G0470500	0.70034	0.84595	Down	Down
32728	TraesCS6B03G0472000	1.15028	0.89309	No	No
32729	TraesCS6B03G0472400	1.15301	1.62428	UP	UP
32730	TraesCS6B03G0474700	0.94558	0.71227	Down	Down
32731	TraesCS6B03G0474800	1.29933	0.19655	Up	Down
32732	TraesCS6B03G0474800	1.15878	0.25603	Up	Down
32733	TraesCS6B03G0474900	0.90835	1.75131	No	No
32734	TraesCS6B03G0475000	1.10471	1.00826	UP	UP
32735	TraesCS6B03G0476400	1.21185	1.17489	UP	UP
32736	TraesCS6B03G0478800	0.7074	1.49195	No	No

32740	TraesCS6B03G0482100	1.15228	0.8352	No	No
32741	TraesCS6B03G0482300	0.54488	1.81912	No	No
32742	TraesCS6B03G0482900	3.08926	0.09031	Up	Down
32744	TraesCS6B03G0485100	0.96509	1.22343	No	No
32746	TraesCS6B03G0485500	1.15768	1.42034	UP	UP
32747	TraesCS6B03G0485900	1.10795	0.99656	No	No
32748	TraesCS6B03G0486000	1.07706	0.81299	No	No
32749	TraesCS6B03G0486200	0.89013	1.57661	No	No
32751	TraesCS6B03G0486900	0.77897	2.43184	Down	Up
32753	TraesCS6B03G0489000	1.13997	0.32238	Up	Down
32754	TraesCS6B03G0489100	0.76736	2.5026	Down	Up
32755	TraesCS6B03G0490000	0.64149	2.92578	Down	Up
32756	TraesCS6B03G0490100	0.97626	1.92313	No	No
32762	TraesCS6B03G0493700	0.99329	1.56269	No	No
32763	TraesCS6B03G0493800	0.68759	0.16197	Down	Down
32765	TraesCS6B03G0494200	0.90043	1.29499	No	No
32766	TraesCS6B03G0494800	0.98242	0.78572	Down	Down
32767	TraesCS6B03G0495000	1.04096	1.32455	UP	UP
32768	TraesCS6B03G0495100	1.27901	0.82046	No	No
32769	TraesCS6B03G0495400	0.90964	1.49374	No	No
32770	TraesCS6B03G0495600	0.882	1.74879	No	No
32771	TraesCS6B03G0495700	1.08201	0.83022	No	No
32772	TraesCS6B03G0496200	0.77861	0.69048	Down	Down
32774	TraesCS6B03G0496500	1.19769	0.93811	No	No
32775	TraesCS6B03G0496600	1.09172	1.02935	UP	UP
32776	TraesCS6B03G0497400	0.86145	1.84026	No	No
32777	TraesCS6B03G0498200	0.91927	0.93085	Down	Down
32778	TraesCS6B03G0498600	0.90816	0.97858	Down	Down
32779	TraesCS6B03G0499500	0.92814	1.16156	No	No
32780	TraesCS6B03G0499600	1.14329	0.53503	No	No
32781	TraesCS6B03G0499700	0.94126	1.14079	No	No
32782	TraesCS6B03G0500000	1.10719	0.50755	No	No
32783	TraesCS6B03G0500100	0.7318	8.59864	Down	Up
32784	TraesCS6B03G0500700	1.33102	1.24949	UP	UP
32785	TraesCS6B03G0501200	0.89974	1.28291	No	No
32786	TraesCS6B03G0501600	1.1266	1.01023	UP	UP
32787	TraesCS6B03G0501800	0.52935	1.58226	No	No
32788	TraesCS6B03G0502900	0.80561	1.23374	No	No
32791	TraesCS6B03G0504400	2.25768	5.72265	Up	Up
32792	TraesCS6B03G0504500	2.92223	9.64827	Up	Up
32795	TraesCS6B03G0505200	0.84034	1.7347	No	No
32797	TraesCS6B03G0505800	0.85763	4.13297	Down	Up
32798	TraesCS6B03G0506000	0.85222	0.3375	Down	Down
32799	TraesCS6B03G0506800	1.12309	1.1393	UP	UP
32800	TraesCS6B03G0507000	1.08151	0.63729	No	No
32801	TraesCS6B03G0507800	0.93399	0.74797	Down	Down
32802	TraesCS6B03G0508500	1.3253	0.93494	No	No
32806	TraesCS6B03G0509300	0.88073	0.83698	Down	Down
32807	TraesCS6B03G0509800	0.88936	1.13202	No	No
32808	TraesCS6B03G0510000	0.89618	1.52322	No	No
32809	TraesCS6B03G0510900	0.94671	1.11876	No	No
32811	TraesCS6B03G0511200	1.02509	3.11439	Up	Up

32812	TraesCS6B03G0511200	0.54284	1.72518	No	No
32813	TraesCS6B03G0512800	1.18705	0.39169	Up	Down
32814	TraesCS6B03G0513600	0.76714	1.10448	No	No
32815	TraesCS6B03G0514200	1.78872	1.12149	UP	UP
32816	TraesCS6B03G0514400	1.22613	0.87061	No	No
32817	TraesCS6B03G0514500	1.02421	0.94703	No	No
32818	TraesCS6B03G0515300	1.04681	1.64593	UP	UP
32819	TraesCS6B03G0515700	0.82538	0.64739	Down	Down
32820	TraesCS6B03G0520300	2.10015	0.6891	Up	Down
32821	TraesCS6B03G0520600	0.21212	9.42045	Down	Up
32822	TraesCS6B03G0521000	0.92022	1.26635	No	No
32829	TraesCS6B03G0525300	0.59212	0.57442	Down	Down
32831	TraesCS6B03G0525500	1.15546	0.76257	No	No
32832	TraesCS6B03G0525700	1.18653	0.81473	No	No
32833	TraesCS6B03G0526000	1.27429	0.85083	No	No
32834	TraesCS6B03G0526200	1.77025	0.12014	Up	Down
32840	TraesCS6B03G0531700	0.84969	3.22145	Down	Up
32842	TraesCS6B03G0532600	1.33492	1.20892	UP	UP
32843	TraesCS6B03G0532700	0.79434	0.60568	Down	Down
32846	TraesCS6B03G0538600	0.74573	1.20726	No	No
32847	TraesCS6B03G0538900	0.92812	0.4144	Down	Down
32848	TraesCS6B03G0539100	0.91316	1.20744	No	No
32850	TraesCS6B03G0540100	0.62041	2.90282	Down	Up
32851	TraesCS6B03G0540800	0.96657	0.78395	Down	Down
32852	TraesCS6B03G0541500	1.40166	3.74593	Up	Up
32853	TraesCS6B03G0541700	0.8376	0.69998	Down	Down
32854	TraesCS6B03G0556000	0.91897	1.16098	No	No
32855	TraesCS6B03G0556000	1.0163	0.53385	No	No
32856	TraesCS6B03G0556500	0.84691	0.93179	Down	Down
32857	TraesCS6B03G0557000	1.32692	1.37188	UP	UP
32858	TraesCS6B03G0558700	1.07215	1.17183	UP	UP
32861	TraesCS6B03G0559500	0.95809	1.08614	No	No
32862	TraesCS6B03G0559600	0.8303	0.55979	Down	Down
32863	TraesCS6B03G0560000	1.15086	1.14306	UP	UP
32864	TraesCS6B03G0560600	1.00303	0.89719	No	No
32865	TraesCS6B03G0561000	0.59141	5.80882	Down	Up
32866	TraesCS6B03G0561200	0.94191	1.08768	No	No
32868	TraesCS6B03G0561800	0.63436	0.79635	Down	Down
32869	TraesCS6B03G0562100	1.44822	0.94753	No	No
32871	TraesCS6B03G0563400	1.22655	1.28452	UP	UP
32872	TraesCS6B03G0563700	0.69954	1.11332	No	No
32874	TraesCS6B03G0565900	1.12865	0.97901	No	No
32875	TraesCS6B03G0567000	0.95029	0.88057	Down	Down
32876	TraesCS6B03G0567000	1.29963	0.79315	No	No
32879	TraesCS6B03G0568500	0.90071	0.63317	Down	Down
32881	TraesCS6B03G0570400	0.86915	1.01552	No	No
32882	TraesCS6B03G0570700	1.17363	1.14917	UP	UP
32883	TraesCS6B03G0571800	1.21397	1.15243	UP	UP
32884	TraesCS6B03G0572100	1.00214	0.76789	No	No
32887	TraesCS6B03G0573500	1.25232	0.46523	Up	Down
32888	TraesCS6B03G0574100	1.03765	1.11473	UP	UP
32890	TraesCS6B03G0576700	0.75846	0.79224	Down	Down

32891	TraesCS6B03G0577400	1.15657	0.96028	No	No
32893	TraesCS6B03G0578100	1.036	0.73799	No	No
32894	TraesCS6B03G0578500	1.6374	1.17545	UP	UP
32895	TraesCS6B03G0579200	1.11087	0.26514	Up	Down
32896	TraesCS6B03G0579800	1.10625	0.29927	Up	Down
32897	TraesCS6B03G0579800	1.01617	0.86156	No	No
32899	TraesCS6B03G0580700	1.0362	1.23231	UP	UP
32903	TraesCS6B03G0583700	0.43196	1.57875	Down	Up
32904	TraesCS6B03G0583700	0.69065	2.15297	Down	Up
32905	TraesCS6B03G0583900	1.06996	1.86931	UP	UP
32906	TraesCS6B03G0584200	1.42318	0.41745	Up	Down
32907	TraesCS6B03G0584700	0.97909	0.42438	Down	Down
32908	TraesCS6B03G0585000	1.26161	0.4316	Up	Down
32909	TraesCS6B03G0585300	1.28842	1.66064	UP	UP
32910	TraesCS6B03G0585400	0.68089	1.17805	No	No
32912	TraesCS6B03G0586500	1.18622	1.5323	UP	UP
32913	TraesCS6B03G0587100	1.63946	0.67334	No	No
32916	TraesCS6B03G0587600	1.01711	0.99993	No	No
32918	TraesCS6B03G0588900	1.68373	0.63968	No	No
32919	TraesCS6B03G0589600	0.98014	1.13433	No	No
32920	TraesCS6B03G0589900	0.91664	0.99275	Down	Down
32921	TraesCS6B03G0592900	1.62656	0.94057	No	No
32922	TraesCS6B03G0593900	0.71054	0.4651	Down	Down
32923	TraesCS6B03G0594300	1.08027	2.16696	Up	Up
32924	TraesCS6B03G0594300	0.92923	2.75078	Down	Up
32927	TraesCS6B03G0595800	0.92596	1.5311	No	No
32929	TraesCS6B03G0598100	0.99803	1.29268	No	No
32930	TraesCS6B03G0599000	1.59929	1.23616	UP	UP
32931	TraesCS6B03G0600200	1.04755	1.1786	UP	UP
32932	TraesCS6B03G0600400	1.37613	3.00441	Up	Up
32933	TraesCS6B03G0600400	1.17812	0.7192	No	No
32934	TraesCS6B03G0601000	0.98093	0.89053	Down	Down
32935	TraesCS6B03G0601300	1.34146	0.61089	No	No
32936	TraesCS6B03G0602200	1.04343	0.78263	No	No
32937	TraesCS6B03G0603300	0.74142	1.25007	No	No
32938	TraesCS6B03G0605300	0.81965	1.60378	No	No
32939	TraesCS6B03G0605900	1.07671	1.46999	UP	UP
32940	TraesCS6B03G0606000	0.7522	1.57744	No	No
32944	TraesCS6B03G0606400	1.00559	0.95152	No	No
32945	TraesCS6B03G0607000	0.85142	1.3288	No	No
32946	TraesCS6B03G0609300	1.33961	1.0571	UP	UP
32947	TraesCS6B03G0610700	1.16081	1.33083	UP	UP
32948	TraesCS6B03G0613500	0.84672	2.49211	Down	Up
32949	TraesCS6B03G0615400	0.89695	0.8993	Down	Down
32951	TraesCS6B03G0617000	1.05778	2.08419	Up	Up
32952	TraesCS6B03G0617700	1.24405	0.54878	No	No
32954	TraesCS6B03G0619100	0.59074	0.4355	Down	Down
32955	TraesCS6B03G0619300	0.7397	1.02409	No	No
32956	TraesCS6B03G0619400	1.42884	0.98374	No	No
32957	TraesCS6B03G0620000	1.08968	0.96975	No	No
32958	TraesCS6B03G0620200	1.33304	0.61733	No	No
32959	TraesCS6B03G0621200	0.93788	0.93494	Down	Down

32962	TraesCS6B03G0626000	1.00303	0.31209	Up	Down
32963	TraesCS6B03G0626200	1.24759	1.01799	UP	UP
32964	TraesCS6B03G0627500	0.90519	0.46937	Down	Down
32965	TraesCS6B03G0627500	0.81668	1.72067	No	No
32966	TraesCS6B03G0627500	1.18569	0.62543	No	No
32968	TraesCS6B03G0629000	1.22521	1.764	UP	UP
32969	TraesCS6B03G0630000	1.0167	0.86517	No	No
32970	TraesCS6B03G0630900	1.43664	1.0584	UP	UP
32973	TraesCS6B03G0632100	0.94489	1.15538	No	No
32975	TraesCS6B03G0634300	2.06718	2.17222	UP	UP
32976	TraesCS6B03G0634500	1.06682	0.50355	No	No
32977	TraesCS6B03G0636000	1.42592	2.5209	Up	Up
32978	TraesCS6B03G0637200	0.71184	0.89807	Down	Down
32979	TraesCS6B03G0637300	0.75084	1.39184	No	No
32980	TraesCS6B03G0638500	1.34716	1.62324	UP	UP
32982	TraesCS6B03G0639300	1.26263	1.73153	UP	UP
32986	TraesCS6B03G0641200	1.16724	0.87958	No	No
32987	TraesCS6B03G0642700	1.1576	0.63659	No	No
32988	TraesCS6B03G0644500	2.27408	0.25765	Up	Down
32992	TraesCS6B03G0645700	0.4921	1.5621	Down	Up
32995	TraesCS6B03G0646500	0.95587	0.96056	Down	Down
32996	TraesCS6B03G0646900	0.8813	1.642	No	No
32997	TraesCS6B03G0647700	0.70817	1.5963	No	No
33000	TraesCS6B03G0649000	1.10263	1.13363	UP	UP
33001	TraesCS6B03G0649400	1.14242	0.61982	No	No
33002	TraesCS6B03G0650000	0.8775	0.61076	Down	Down
33003	TraesCS6B03G0650500	1.2805	0.83243	No	No
33004	TraesCS6B03G0651300	0.52693	1.69078	No	No
33005	TraesCS6B03G0652000	0.9231	0.96363	Down	Down
33007	TraesCS6B03G0652200	0.9338	1.47	No	No
33010	TraesCS6B03G0652700	1.07524	1.67613	UP	UP
33011	TraesCS6B03G0652900	1.74134	1.12473	UP	UP
33012	TraesCS6B03G0652900	0.98433	2.04553	Down	Up
33015	TraesCS6B03G0653500	1.61242	1.29775	UP	UP
33016	TraesCS6B03G0653500	1.03492	0.64896	No	No
33017	TraesCS6B03G0653600	0.45147	1.70043	Down	Up
33019	TraesCS6B03G0654400	1.40841	0.58732	No	No
33020	TraesCS6B03G0654400	0.87002	0.43417	Down	Down
33022	TraesCS6B03G0655000	0.76285	1.2598	No	No
33024	TraesCS6B03G0655800	0.77201	1.25542	No	No
33025	TraesCS6B03G0657000	1.4334	0.69467	No	No
33027	TraesCS6B03G0658400	0.94102	0.39888	Down	Down
33028	TraesCS6B03G0658400	1.78804	1.6875	UP	UP
33030	TraesCS6B03G0659400	0.85293	0.53488	Down	Down
33031	TraesCS6B03G0659600	1.12457	0.62906	No	No
33032	TraesCS6B03G0659600	1.33265	0.39146	Up	Down
33033	TraesCS6B03G0660300	0.81103	1.61344	No	No
33035	TraesCS6B03G0671100	1.2866	0.42204	Up	Down
33036	TraesCS6B03G0671500	1.28972	1.05638	UP	UP
33037	TraesCS6B03G0671800	0.8071	0.72886	Down	Down
33039	TraesCS6B03G0672700	0.52088	1.46116	No	No
33040	TraesCS6B03G0673200	1.45994	0.69769	No	No

33042	TraesCS6B03G0673400	1.03979	1.39745	UP	UP
33043	TraesCS6B03G0676000	1.1912	0.49805	Up	Down
33046	TraesCS6B03G0677700	0.8003	1.27613	No	No
33047	TraesCS6B03G0678000	1.162	0.94929	No	No
33048	TraesCS6B03G0678800	0.79246	3.61218	Down	Up
33049	TraesCS6B03G0680800	1.27968	0.86267	No	No
33050	TraesCS6B03G0681100	1.09994	1.2904	UP	UP
33053	TraesCS6B03G0682300	1.95011	0.51919	No	No
33055	TraesCS6B03G0682600	1.08305	0.56133	No	No
33059	TraesCS6B03G0683600	0.94039	1.28305	No	No
33060	TraesCS6B03G0684000	1.04401	1.11742	UP	UP
33061	TraesCS6B03G0684000	0.73844	1.79931	No	No
33063	TraesCS6B03G0686500	1.36613	0.49098	Up	Down
33064	TraesCS6B03G0686900	1.04469	0.53443	No	No
33065	TraesCS6B03G0687700	1.1821	0.60359	No	No
33066	TraesCS6B03G0688600	1.2291	1.24082	UP	UP
33067	TraesCS6B03G0689000	0.76668	1.20279	No	No
33069	TraesCS6B03G0690000	1.25944	1.1799	UP	UP
33070	TraesCS6B03G0690600	1.18568	1.72971	UP	UP
33072	TraesCS6B03G0692100	0.66193	3.0255	Down	Up
33073	TraesCS6B03G0692500	1.28885	0.25417	Up	Down
33074	TraesCS6B03G0693400	0.97416	0.55335	Down	Down
33075	TraesCS6B03G0693500	0.7666	1.39954	No	No
33076	TraesCS6B03G0694200	0.48064	0.37915	Down	Down
33077	TraesCS6B03G0694800	1.1064	1.63031	UP	UP
33078	TraesCS6B03G0694800	1.14858	1.90324	UP	UP
33079	TraesCS6B03G0694900	0.90294	0.42725	Down	Down
33080	TraesCS6B03G0696200	0.82585	1.8866	No	No
33081	TraesCS6B03G0696300	0.72305	1.83729	No	No
33082	TraesCS6B03G0696800	1.07952	0.94892	No	No
33083	TraesCS6B03G0698000	0.91539	1.99409	No	No
33084	TraesCS6B03G0698200	0.8611	0.5569	Down	Down
33085	TraesCS6B03G0701000	0.99626	0.91673	Down	Down
33086	TraesCS6B03G0701600	1.19733	0.55556	No	No
33087	TraesCS6B03G0701900	0.94585	1.35788	No	No
33092	TraesCS6B03G0704900	1.28017	0.98978	No	No
33096	TraesCS6B03G0705400	1.80645	0.67817	No	No
33097	TraesCS6B03G0705600	0.91447	1.62562	No	No
33098	TraesCS6B03G0706700	0.97978	0.93555	Down	Down
33100	TraesCS6B03G0710400	0.9274	1.18844	No	No
33102	TraesCS6B03G0712600	0.98367	1.52074	No	No
33103	TraesCS6B03G0712700	0.78639	0.53822	Down	Down
33105	TraesCS6B03G0713800	1.05604	1.86559	UP	UP
33106	TraesCS6B03G0714100	1.2896	0.97035	No	No
33107	TraesCS6B03G0714100	0.70388	0.46554	Down	Down
33109	TraesCS6B03G0714300	1.40218	0.74492	No	No
33110	TraesCS6B03G0714400	0.96293	0.75799	Down	Down
33111	TraesCS6B03G0714800	1.34881	0.88207	No	No
33112	TraesCS6B03G0715800	0.63288	1.54797	No	No
33113	TraesCS6B03G0716500	0.35059	1.14828	Down	Up
33115	TraesCS6B03G0717100	1.04903	0.72162	No	No
33116	TraesCS6B03G0717400	1.17167	0.18614	Up	Down

33117	TraesCS6B03G0717500	1.43575	1.22341	UP	UP
33118	TraesCS6B03G0719500	0.53505	0.18819	Down	Down
33119	TraesCS6B03G0720000	0.92114	0.62272	Down	Down
33120	TraesCS6B03G0721000	0.66293	1.31537	No	No
33121	TraesCS6B03G0721200	1.14667	1.60126	UP	UP
33122	TraesCS6B03G0722300	1.47088	1.36161	UP	UP
33123	TraesCS6B03G0722500	1.14532	1.02551	UP	UP
33124	TraesCS6B03G0722800	0.9392	1.32507	No	No
33125	TraesCS6B03G0723200	0.97333	1.00374	No	No
33126	TraesCS6B03G0723800	1.59047	0.18255	Up	Down
33127	TraesCS6B03G0724200	0.91108	1.2041	No	No
33128	TraesCS6B03G0724300	0.8881	1.26701	No	No
33129	TraesCS6B03G0725100	1.19693	0.9923	No	No
33130	TraesCS6B03G0725200	0.90343	0.77947	Down	Down
33132	TraesCS6B03G0727500	0.6825	1.65464	No	No
33134	TraesCS6B03G0729300	0.69339	1.58537	No	No
33135	TraesCS6B03G0729400	1.02334	1.20397	UP	UP
33136	TraesCS6B03G0729600	1.90808	1.15873	UP	UP
33137	TraesCS6B03G0729800	0.97068	0.50687	Down	Down
33138	TraesCS6B03G0729900	0.99704	1.24197	No	No
33139	TraesCS6B03G0730000	1.93505	1.09149	UP	UP
33140	TraesCS6B03G0731200	0.92755	1.0486	No	No
33141	TraesCS6B03G0731300	0.91718	0.74508	Down	Down
33142	TraesCS6B03G0731500	1.31687	0.354	Up	Down
33143	TraesCS6B03G0731500	0.77336	0.44406	Down	Down
33144	TraesCS6B03G0731600	1.14941	0.71708	No	No
33145	TraesCS6B03G0732300	0.70098	0.48834	Down	Down
33146	TraesCS6B03G0732400	0.98683	0.81649	Down	Down
33147	TraesCS6B03G0732800	0.85136	1.48233	No	No
33148	TraesCS6B03G0732900	0.75838	1.36191	No	No
33149	TraesCS6B03G0733000	0.83148	1.42668	No	No
33150	TraesCS6B03G0733100	0.29116	6.17	Down	Up
33151	TraesCS6B03G0733400	1.07901	1.12972	UP	UP
33152	TraesCS6B03G0733500	1.11335	0.952	No	No
33153	TraesCS6B03G0733600	0.67216	0.92037	Down	Down
33154	TraesCS6B03G0735200	1.05486	1.39703	UP	UP
33155	TraesCS6B03G0735500	0.91661	0.27068	Down	Down
33156	TraesCS6B03G0738800	0.92807	0.38763	Down	Down
33157	TraesCS6B03G0739500	1.22807	0.75818	No	No
33158	TraesCS6B03G0739900	1.362	1.14034	UP	UP
33159	TraesCS6B03G0740200	1.10622	1.51084	UP	UP
33160	TraesCS6B03G0740300	1.28365	0.85383	No	No
33161	TraesCS6B03G0740400	0.86562	1.19757	No	No
33162	TraesCS6B03G0741200	1.0858	1.13604	UP	UP
33163	TraesCS6B03G0741700	0.9369	2.11387	Down	Up
33164	TraesCS6B03G0743000	0.6911	3.18823	Down	Up
33166	TraesCS6B03G0745900	0.72236	1.05168	No	No
33167	TraesCS6B03G0746200	0.96323	1.88138	No	No
33169	TraesCS6B03G0747300	1.24947	1.03938	UP	UP
33170	TraesCS6B03G0747400	0.85834	1.19182	No	No
33171	TraesCS6B03G0749200	2.185	0.83369	Up	Down
33172	TraesCS6B03G0751400	1.12246	1.64506	UP	UP

33173	TraesCS6B03G0751900	0.76858	1.16886	No	No
33174	TraesCS6B03G0752100	1.15992	0.84861	No	No
33175	TraesCS6B03G0752200	1.29201	1.15866	UP	UP
33176	TraesCS6B03G0752400	0.70518	0.61473	Down	Down
33177	TraesCS6B03G0752700	1.47787	0.38209	Up	Down
33178	TraesCS6B03G0752800	0.93463	0.6381	Down	Down
33179	TraesCS6B03G0753200	1.05529	1.6713	UP	UP
33180	TraesCS6B03G0753300	0.72796	1.59734	No	No
33181	TraesCS6B03G0753600	0.67926	1.39527	No	No
33182	TraesCS6B03G0754400	0.7485	4.3482	Down	Up
33183	TraesCS6B03G0754800	2.72318	0.2892	Up	Down
33185	TraesCS6B03G0755000	0.7407	1.0798	No	No
33191	TraesCS6B03G0756600	1.10032	0.83411	No	No
33194	TraesCS6B03G0759200	0.51949	4.71911	Down	Up
33196	TraesCS6B03G0760600	0.97867	0.81443	Down	Down
33197	TraesCS6B03G0760800	1.4431	0.58177	No	No
33199	TraesCS6B03G0762500	1.00907	1.72271	UP	UP
33201	TraesCS6B03G0762700	1.22781	0.80251	No	No
33202	TraesCS6B03G0763000	0.79448	0.89919	Down	Down
33203	TraesCS6B03G0764600	0.85563	3.39217	Down	Up
33204	TraesCS6B03G0765000	0.83823	0.54882	Down	Down
33205	TraesCS6B03G0765400	0.70986	3.36108	Down	Up
33206	TraesCS6B03G0765500	0.89272	2.00272	Down	Up
33207	TraesCS6B03G0765600	0.81541	0.78111	Down	Down
33208	TraesCS6B03G0765700	1.37932	0.26275	Up	Down
33209	TraesCS6B03G0766700	1.74512	1.36655	UP	UP
33211	TraesCS6B03G0767200	0.85885	3.12031	Down	Up
33212	TraesCS6B03G0767400	1.06412	0.93483	No	No
33213	TraesCS6B03G0767700	1.2004	2.0639	Up	Up
33214	TraesCS6B03G0768100	1.62391	1.12077	UP	UP
33215	TraesCS6B03G0768400	0.54252	0.46771	Down	Down
33218	TraesCS6B03G0769100	0.50354	1.58965	No	No
33219	TraesCS6B03G0769200	2.33443	1.3351	Up	Up
33220	TraesCS6B03G0769300	1.14083	0.75653	No	No
33221	TraesCS6B03G0769600	0.84011	1.80373	No	No
33222	TraesCS6B03G0769800	0.89998	0.48755	Down	Down
33223	TraesCS6B03G0770100	0.82142	2.25936	Down	Up
33224	TraesCS6B03G0770800	1.01023	1.60662	UP	UP
33225	TraesCS6B03G0770900	0.82464	0.68541	Down	Down
33226	TraesCS6B03G0771200	0.64278	0.31891	Down	Down
33227	TraesCS6B03G0771300	0.69268	1.54868	No	No
33228	TraesCS6B03G0772400	0.94607	0.89745	Down	Down
33230	TraesCS6B03G0773500	3.604	0.37782	Up	Down
33231	TraesCS6B03G0775600	0.89043	1.06421	No	No
33232	TraesCS6B03G0775900	1.20287	0.71583	No	No
33233	TraesCS6B03G0776000	0.89395	0.11956	Down	Down
33234	TraesCS6B03G0776200	1.43471	0.35303	Up	Down
33235	TraesCS6B03G0777800	0.59848	1.79767	No	No
33236	TraesCS6B03G0778600	1.16304	0.52931	No	No
33238	TraesCS6B03G0779300	0.93142	0.93611	Down	Down
33239	TraesCS6B03G0779600	0.3761	4.44894	Down	Up
33241	TraesCS6B03G0780300	1.35053	0.58216	No	No

33243	TraesCS6B03G0781600	0.94629	1.49652	No	No
33244	TraesCS6B03G0782000	0.9898	1.08547	No	No
33247	TraesCS6B03G0782400	1.1585	0.9965	No	No
33248	TraesCS6B03G0782700	0.77601	2.11786	Down	Up
33249	TraesCS6B03G0782700	1.20416	1.20418	UP	UP
33251	TraesCS6B03G0784900	1.06483	0.82236	No	No
33252	TraesCS6B03G0785500	1.06594	1.51056	UP	UP
33253	TraesCS6B03G0785600	1.08805	0.44599	Up	Down
33254	TraesCS6B03G0785700	1.22294	1.48462	UP	UP
33255	TraesCS6B03G0786500	1.22751	0.80642	No	No
33256	TraesCS6B03G0786900	1.01556	1.09364	UP	UP
33257	TraesCS6B03G0787000	1.26335	0.47032	Up	Down
33258	TraesCS6B03G0787300	0.93366	2.057	Down	Up
33259	TraesCS6B03G0788800	1.12464	0.96803	No	No
33260	TraesCS6B03G0788900	1.1058	0.9463	No	No
33261	TraesCS6B03G0789300	1.71342	1.25426	UP	UP
33262	TraesCS6B03G0789500	0.98081	1.37675	No	No
33263	TraesCS6B03G0790300	0.65938	1.18821	No	No
33264	TraesCS6B03G0790600	0.71477	1.38623	No	No
33265	TraesCS6B03G0791200	0.19973	1.96717	Down	Up
33266	TraesCS6B03G0791300	0.93029	1.66907	No	No
33267	TraesCS6B03G0793200	0.88216	1.10984	No	No
33268	TraesCS6B03G0793800	0.89431	0.63499	Down	Down
33269	TraesCS6B03G0793900	0.85797	0.71672	Down	Down
33270	TraesCS6B03G0794800	1.01401	0.52032	No	No
33271	TraesCS6B03G0795200	0.70727	2.60066	Down	Up
33272	TraesCS6B03G0795500	0.57109	2.09894	Down	Up
33273	TraesCS6B03G0795600	1.82835	1.99371	UP	UP
33274	TraesCS6B03G0796800	0.69384	1.80922	No	No
33275	TraesCS6B03G0797800	1.06239	0.67299	No	No
33276	TraesCS6B03G0798300	0.85735	0.46784	Down	Down
33277	TraesCS6B03G0798900	0.75681	1.28201	No	No
33278	TraesCS6B03G0799500	0.92904	0.66058	Down	Down
33279	TraesCS6B03G0799700	0.77297	0.43933	Down	Down
33280	TraesCS6B03G0801100	0.99212	1.3705	No	No
33281	TraesCS6B03G0801600	1.00661	0.75737	No	No
33282	TraesCS6B03G0802500	0.50983	2.9194	Down	Up
33283	TraesCS6B03G0802600	0.69892	1.50328	No	No
33284	TraesCS6B03G0802800	1.06206	0.52823	No	No
33285	TraesCS6B03G0802900	0.69755	2.29042	Down	Up
33286	TraesCS6B03G0803600	0.99839	2.31709	Down	Up
33287	TraesCS6B03G0803900	1.58801	1.88813	UP	UP
33291	TraesCS6B03G0805300	0.72677	0.93573	Down	Down
33292	TraesCS6B03G0805800	1.26035	0.54878	No	No
33293	TraesCS6B03G0805900	0.88922	0.92036	Down	Down
33294	TraesCS6B03G0807100	1.06019	0.71242	No	No
33295	TraesCS6B03G0807300	1.27679	0.94566	No	No
33298	TraesCS6B03G0808400	0.56162	5.97202	Down	Up
33299	TraesCS6B03G0808800	1.2072	2.47654	Up	Up
33300	TraesCS6B03G0808900	0.71439	2.12056	Down	Up
33305	TraesCS6B03G0810200	0.78576	2.3648	Down	Up
33306	TraesCS6B03G0810700	1.07482	1.40343	UP	UP

33307	TraesCS6B03G0812000	1.42836	0.84395	No	No
33308	TraesCS6B03G0812100	0.71301	1.5454	No	No
33309	TraesCS6B03G0812300	0.86101	1.07436	No	No
33310	TraesCS6B03G0812800	1.149	0.98596	No	No
33311	TraesCS6B03G0813900	0.92103	0.86393	Down	Down
33312	TraesCS6B03G0814200	0.74721	0.93812	Down	Down
33313	TraesCS6B03G0814900	1.68668	0.74582	No	No
33314	TraesCS6B03G0815100	0.80265	3.23097	Down	Up
33315	TraesCS6B03G0816600	0.93481	0.57904	Down	Down
33316	TraesCS6B03G0816700	1.0085	1.22995	UP	UP
33317	TraesCS6B03G0816900	1.01408	0.96396	No	No
33318	TraesCS6B03G0817300	0.6544	0.5133	Down	Down
33321	TraesCS6B03G0819200	1.11372	0.53911	No	No
33322	TraesCS6B03G0819500	1.00683	1.23247	UP	UP
33323	TraesCS6B03G0821200	1.06506	2.05711	Up	Up
33324	TraesCS6B03G0821600	0.75842	3.04232	Down	Up
33325	TraesCS6B03G0821700	1.26674	0.4503	Up	Down
33326	TraesCS6B03G0821900	1.34211	0.42377	Up	Down
33329	TraesCS6B03G0824500	0.80827	1.64542	No	No
33330	TraesCS6B03G0824700	1.06698	0.55138	No	No
33331	TraesCS6B03G0825100	0.94135	1.30595	No	No
33332	TraesCS6B03G0825400	0.76816	0.86535	Down	Down
33333	TraesCS6B03G0825800	0.68838	1.27004	No	No
33334	TraesCS6B03G0825900	0.98004	1.45046	No	No
33335	TraesCS6B03G0827500	1.14275	0.40867	Up	Down
33336	TraesCS6B03G0829000	0.73212	3.0095	Down	Up
33337	TraesCS6B03G0829200	0.71327	1.2418	No	No
33340	TraesCS6B03G0830200	1.32952	0.65859	No	No
33341	TraesCS6B03G0830300	0.52817	0.94274	Down	Down
33342	TraesCS6B03G0830900	0.65121	2.14703	Down	Up
33343	TraesCS6B03G0831000	1.08155	1.1889	UP	UP
33345	TraesCS6B03G0832100	1.71413	0.71605	No	No
33346	TraesCS6B03G0833200	1.34372	0.58593	No	No
33347	TraesCS6B03G0834000	1.32416	1.45088	UP	UP
33348	TraesCS6B03G0834100	0.90761	1.03825	No	No
33350	TraesCS6B03G0834900	0.83069	0.71922	Down	Down
33351	TraesCS6B03G0835700	0.99685	2.95061	Down	Up
33352	TraesCS6B03G0835900	0.66554	8.7625	Down	Up
33354	TraesCS6B03G0837600	0.96522	0.27911	Down	Down
33356	TraesCS6B03G0838100	0.86587	1.55535	No	No
33357	TraesCS6B03G0838900	0.80752	1.60101	No	No
33358	TraesCS6B03G0839400	0.72441	1.79815	No	No
33359	TraesCS6B03G0839500	0.84404	1.25488	No	No
33360	TraesCS6B03G0839700	1.11515	1.07141	UP	UP
33361	TraesCS6B03G0840700	0.49357	1.83389	Down	Up
33362	TraesCS6B03G0840900	0.54117	0.98602	Down	Down
33364	TraesCS6B03G0841200	1.15149	0.87492	No	No
33365	TraesCS6B03G0842400	1.105	2.10506	Up	Up
33367	TraesCS6B03G0843800	0.94625	1.49787	No	No
33368	TraesCS6B03G0844400	1.03798	1.43942	UP	UP
33370	TraesCS6B03G0845000	0.40368	4.04585	Down	Up
33371	TraesCS6B03G0845300	0.6885	2.04113	Down	Up

33372	TraesCS6B03G0848200	1.2771	1.25987	UP	UP
33373	TraesCS6B03G0848300	1.01162	2.2417	Up	Up
33374	TraesCS6B03G0848700	1.32185	0.19452	Up	Down
33375	TraesCS6B03G0849100	1.07274	1.18583	UP	UP
33376	TraesCS6B03G0849300	0.7376	3.71124	Down	Up
33377	TraesCS6B03G0849400	0.82096	0.25092	Down	Down
33378	TraesCS6B03G0850800	0.85812	3.02455	Down	Up
33379	TraesCS6B03G0851000	1.38857	0.62937	No	No
33380	TraesCS6B03G0851200	2.50008	0.74621	Up	Down
33381	TraesCS6B03G0852700	1.04588	0.94286	No	No
33382	TraesCS6B03G0853200	0.93484	1.26655	No	No
33383	TraesCS6B03G0853400	0.81978	0.15854	Down	Down
33384	TraesCS6B03G0853600	1.12776	0.75037	No	No
33385	TraesCS6B03G0854100	1.13956	1.11373	UP	UP
33386	TraesCS6B03G0855000	1.09942	0.6376	No	No
33387	TraesCS6B03G0855900	0.91014	2.0047	Down	Up
33388	TraesCS6B03G0856000	0.9018	0.64476	Down	Down
33390	TraesCS6B03G0856800	0.33267	3.97079	Down	Up
33391	TraesCS6B03G0857300	1.16081	1.25287	UP	UP
33392	TraesCS6B03G0857700	1.05361	0.65614	No	No
33394	TraesCS6B03G0858200	1.14296	0.65572	No	No
33395	TraesCS6B03G0858400	0.25339	3.24673	Down	Up
33396	TraesCS6B03G0859400	1.44502	0.08133	Up	Down
33397	TraesCS6B03G0859900	0.81154	1.26874	No	No
33399	TraesCS6B03G0860500	0.51401	5.19242	Down	Up
33401	TraesCS6B03G0860700	0.61797	13.6176	Down	Up
33405	TraesCS6B03G0861200	1.12756	4.90264	Up	Up
33406	TraesCS6B03G0861300	0.80265	1.53238	No	No
33407	TraesCS6B03G0861600	1.1549	0.67738	No	No
33408	TraesCS6B03G0861800	0.98903	0.80328	Down	Down
33409	TraesCS6B03G0862000	1.28963	0.42942	Up	Down
33410	TraesCS6B03G0862500	0.99077	0.68525	Down	Down
33412	TraesCS6B03G0862800	1.34376	1.47357	UP	UP
33413	TraesCS6B03G0862900	1.67306	1.03477	UP	UP
33414	TraesCS6B03G0863200	1.06084	1.036	UP	UP
33415	TraesCS6B03G0863800	1.1398	1.11834	UP	UP
33416	TraesCS6B03G0864000	0.69048	0.88409	Down	Down
33418	TraesCS6B03G0864700	1.02317	0.79776	No	No
33419	TraesCS6B03G0865400	1.27461	2.51735	Up	Up
33420	TraesCS6B03G0865700	0.74177	1.67987	No	No
33421	TraesCS6B03G0865800	0.62089	1.41102	No	No
33422	TraesCS6B03G0865900	0.93332	1.61831	No	No
33423	TraesCS6B03G0866200	1.01966	0.81523	No	No
33424	TraesCS6B03G0866800	0.83971	0.9007	Down	Down
33425	TraesCS6B03G0867000	0.72655	1.59221	No	No
33426	TraesCS6B03G0867200	1.12453	1.11741	UP	UP
33432	TraesCS6B03G0869600	0.89855	0.67499	Down	Down
33433	TraesCS6B03G0869700	0.79523	0.83704	Down	Down
33436	TraesCS6B03G0872600	0.88665	0.45407	Down	Down
33437	TraesCS6B03G0872700	0.60523	5.98365	Down	Up
33438	TraesCS6B03G0873200	1.09105	1.02245	UP	UP
33439	TraesCS6B03G0873400	0.97538	1.00176	No	No

33442	TraesCS6B03G0875100	1.34721	1.47368	UP	UP
33444	TraesCS6B03G0877200	0.88257	1.31158	No	No
33445	TraesCS6B03G0877300	0.80149	1.19527	No	No
33446	TraesCS6B03G0878000	0.9437	3.51188	Down	Up
33449	TraesCS6B03G0879800	0.68951	2.04219	Down	Up
33450	TraesCS6B03G0880200	0.80547	2.0947	Down	Up
33451	TraesCS6B03G0880300	0.98042	1.17159	No	No
33452	TraesCS6B03G0880900	0.89547	5.54084	Down	Up
33455	TraesCS6B03G0882200	1.02417	1.26548	UP	UP
33457	TraesCS6B03G0882900	0.50381	2.61997	Down	Up
33458	TraesCS6B03G0883100	1.44031	0.43366	Up	Down
33459	TraesCS6B03G0884100	1.21412	1.04769	UP	UP
33460	TraesCS6B03G0884300	0.76771	1.57399	No	No
33461	TraesCS6B03G0884400	0.84705	0.61553	Down	Down
33462	TraesCS6B03G0884700	1.13658	1.22737	UP	UP
33463	TraesCS6B03G0884900	1.20215	0.40542	Up	Down
33464	TraesCS6B03G0885400	0.8035	0.87926	Down	Down
33465	TraesCS6B03G0885500	2.14816	0.63352	Up	Down
33466	TraesCS6B03G0885600	0.84513	1.26692	No	No
33467	TraesCS6B03G0886600	1.52421	4.24794	Up	Up
33468	TraesCS6B03G0887400	1.24637	0.92828	No	No
33469	TraesCS6B03G0887500	1.15026	1.16806	UP	UP
33470	TraesCS6B03G0887800	0.76908	2.58218	Down	Up
33471	TraesCS6B03G0888000	0.71868	1.08722	No	No
33472	TraesCS6B03G0889100	0.86526	1.2014	No	No
33473	TraesCS6B03G0889400	1.47472	0.94585	No	No
33475	TraesCS6B03G0889600	0.85487	1.62014	No	No
33476	TraesCS6B03G0889700	1.14888	0.36322	Up	Down
33477	TraesCS6B03G0889900	0.90732	0.89113	Down	Down
33479	TraesCS6B03G0890600	0.9595	0.70562	Down	Down
33485	TraesCS6B03G0894300	0.95261	0.77977	Down	Down
33486	TraesCS6B03G0894800	0.96994	1.40002	No	No
33487	TraesCS6B03G0897500	0.59944	1.10818	No	No
33488	TraesCS6B03G0899300	1.17042	0.77205	No	No
33489	TraesCS6B03G0899700	1.53668	4.14738	Up	Up
33490	TraesCS6B03G0899900	0.99554	1.83446	No	No
33491	TraesCS6B03G0900600	0.88203	1.22387	No	No
33492	TraesCS6B03G0900800	0.72462	5.08953	Down	Up
33493	TraesCS6B03G0901200	0.95806	1.3349	No	No
33494	TraesCS6B03G0902600	1.07317	1.41697	UP	UP
33495	TraesCS6B03G0902600	1.12909	7.61494	Up	Up
33496	TraesCS6B03G0902700	0.83175	3.33087	Down	Up
33497	TraesCS6B03G0902900	1.0472	1.13575	UP	UP
33498	TraesCS6B03G0903600	1.52994	0.77476	No	No
33499	TraesCS6B03G0903700	0.98093	0.85706	Down	Down
33500	TraesCS6B03G0904000	0.82258	0.72798	Down	Down
33501	TraesCS6B03G0904100	0.61212	0.70313	Down	Down
33502	TraesCS6B03G0905000	1.17571	0.48588	Up	Down
33503	TraesCS6B03G0905200	1.26092	1.83815	UP	UP
33504	TraesCS6B03G0905700	0.77657	1.30128	No	No
33505	TraesCS6B03G0906900	0.80669	0.09795	Down	Down
33506	TraesCS6B03G0907500	0.92447	1.72144	No	No

33509	TraesCS6B03G0908400	0.56687	0.29444	Down	Down
33511	TraesCS6B03G0909800	0.81762	0.7407	Down	Down
33512	TraesCS6B03G0910000	0.68795	0.63926	Down	Down
33513	TraesCS6B03G0910100	1.30843	0.56215	No	No
33514	TraesCS6B03G0910500	0.73005	0.84355	Down	Down
33515	TraesCS6B03G0910600	0.82168	1.09342	No	No
33516	TraesCS6B03G0910700	1.11568	0.63547	No	No
33517	TraesCS6B03G0911500	1.7963	0.85532	No	No
33518	TraesCS6B03G0912400	0.5972	1.19971	No	No
33519	TraesCS6B03G0912500	0.94819	1.12487	No	No
33520	TraesCS6B03G0914700	1.09093	0.57881	No	No
33521	TraesCS6B03G0915000	0.78412	0.7724	Down	Down
33522	TraesCS6B03G0915300	0.76212	1.13314	No	No
33523	TraesCS6B03G0915600	1.1957	1.43562	UP	UP
33525	TraesCS6B03G0917100	0.56908	1.26154	No	No
33526	TraesCS6B03G0917800	1.00566	1.81843	UP	UP
33527	TraesCS6B03G0918000	0.93738	0.39516	Down	Down
33528	TraesCS6B03G0919300	1.1262	1.2149	UP	UP
33529	TraesCS6B03G0920100	1.29307	0.53757	No	No
33530	TraesCS6B03G0920300	1.2847	0.8082	No	No
33531	TraesCS6B03G0920800	0.92266	0.11745	Down	Down
33533	TraesCS6B03G0922000	0.65332	1.01564	No	No
33534	TraesCS6B03G0922400	0.97868	0.90759	Down	Down
33537	TraesCS6B03G0923400	0.92991	0.75694	Down	Down
33538	TraesCS6B03G0923800	0.93864	0.38348	Down	Down
33539	TraesCS6B03G0924200	0.82846	0.57295	Down	Down
33540	TraesCS6B03G0924900	1.17924	1.16898	UP	UP
33541	TraesCS6B03G0925300	0.7488	0.91347	Down	Down
33542	TraesCS6B03G0926000	1.44892	0.42058	Up	Down
33544	TraesCS6B03G0926200	1.22996	4.50348	Up	Up
33546	TraesCS6B03G0927800	0.62996	2.18266	Down	Up
33547	TraesCS6B03G0928200	1.29296	0.74676	No	No
33548	TraesCS6B03G0928400	0.6733	1.18196	No	No
33549	TraesCS6B03G0928600	0.5437	1.62139	No	No
33550	TraesCS6B03G0929000	1.06452	1.42983	UP	UP
33551	TraesCS6B03G0929200	0.82642	0.99826	Down	Down
33552	TraesCS6B03G0929600	0.77985	0.85949	Down	Down
33554	TraesCS6B03G0932100	1.09777	1.52717	UP	UP
33555	TraesCS6B03G0932400	0.94835	1.57949	No	No
33556	TraesCS6B03G0932500	1.11823	0.76091	No	No
33557	TraesCS6B03G0934700	1.00402	1.29525	UP	UP
33558	TraesCS6B03G0935300	1.37689	0.91889	No	No
33559	TraesCS6B03G0935400	0.89617	1.18218	No	No
33560	TraesCS6B03G0935500	1.08179	0.47843	Up	Down
33562	TraesCS6B03G0936600	1.20186	0.49083	Up	Down
33563	TraesCS6B03G0936700	0.8192	0.7572	Down	Down
33565	TraesCS6B03G0937400	1.26019	0.68447	No	No
33566	TraesCS6B03G0938600	1.24423	0.86133	No	No
33567	TraesCS6B03G0938900	0.95605	1.69096	No	No
33568	TraesCS6B03G0939100	0.91973	0.23983	Down	Down
33569	TraesCS6B03G0939500	0.9301	0.88131	Down	Down
33570	TraesCS6B03G0940600	0.60645	0.93034	Down	Down

33571	TraesCS6B03G0941600	1.05304	1.16922	UP	UP
33572	TraesCS6B03G0941600	1.41365	1.01484	UP	UP
33576	TraesCS6B03G0943600	0.65018	0.9409	Down	Down
33577	TraesCS6B03G0943800	1.1148	1.39658	UP	UP
33578	TraesCS6B03G0944500	0.896	0.31617	Down	Down
33580	TraesCS6B03G0945000	0.91157	0.94124	Down	Down
33581	TraesCS6B03G0945100	0.82361	2.34982	Down	Up
33582	TraesCS6B03G0945200	0.8539	1.52345	No	No
33583	TraesCS6B03G0945400	0.98133	0.95107	Down	Down
33586	TraesCS6B03G0947300	0.79418	2.84722	Down	Up
33587	TraesCS6B03G0947700	1.07704	1.30816	UP	UP
33588	TraesCS6B03G0950900	0.91307	1.3666	No	No
33589	TraesCS6B03G0951300	1.25275	2.13783	Up	Up
33590	TraesCS6B03G0951400	1.12186	1.75727	UP	UP
33591	TraesCS6B03G0953000	0.83831	0.91483	Down	Down
33592	TraesCS6B03G0953300	0.79232	0.251	Down	Down
33593	TraesCS6B03G0953800	1.29106	0.4195	Up	Down
33595	TraesCS6B03G0954500	1.16191	0.65125	No	No
33596	TraesCS6B03G0954700	1.11891	0.32361	Up	Down
33597	TraesCS6B03G0955200	0.89991	0.97328	Down	Down
33598	TraesCS6B03G0955500	0.79304	1.11732	No	No
33599	TraesCS6B03G0955700	1.43585	0.98278	No	No
33600	TraesCS6B03G0956000	0.88566	7.88253	Down	Up
33601	TraesCS6B03G0956100	1.28458	1.11461	UP	UP
33602	TraesCS6B03G0956600	0.8321	1.00356	No	No
33603	TraesCS6B03G0956900	0.92734	0.50543	Down	Down
33604	TraesCS6B03G0957000	1.00599	2.87539	Up	Up
33605	TraesCS6B03G0957100	0.70062	1.13724	No	No
33607	TraesCS6B03G0960400	1.50755	0.29173	Up	Down
33609	TraesCS6B03G0960600	1.10764	0.97428	No	No
33610	TraesCS6B03G0960800	1.08618	1.63996	UP	UP
33611	TraesCS6B03G0961300	1.04526	1.12167	UP	UP
33612	TraesCS6B03G0961700	1.15107	1.31191	UP	UP
33613	TraesCS6B03G0962300	1.5122	2.23379	Up	Up
33614	TraesCS6B03G0962400	2.25708	10.303	Up	Up
33615	TraesCS6B03G0965400	0.93397	0.98776	Down	Down
33616	TraesCS6B03G0966000	0.68169	0.82338	Down	Down
33617	TraesCS6B03G0966700	1.10002	0.84479	No	No
33618	TraesCS6B03G0966800	1.06201	0.43386	Up	Down
33619	TraesCS6B03G0966900	0.66852	2.14494	Down	Up
33620	TraesCS6B03G0967000	0.35573	4.18601	Down	Up
33621	TraesCS6B03G0967700	1.02921	0.59582	No	No
33622	TraesCS6B03G0968000	0.70497	8.53784	Down	Up
33623	TraesCS6B03G0968700	1.01439	0.38075	Up	Down
33624	TraesCS6B03G0969000	0.59151	0.16856	Down	Down
33625	TraesCS6B03G0969100	1.49785	1.06535	UP	UP
33626	TraesCS6B03G0969600	1.22795	0.99751	No	No
33627	TraesCS6B03G0969900	1.17485	1.16042	UP	UP
33628	TraesCS6B03G0970000	0.87056	1.17982	No	No
33629	TraesCS6B03G0970400	1.31927	1.98981	UP	UP
33630	TraesCS6B03G0971200	0.94566	0.63623	Down	Down
33631	TraesCS6B03G0971300	0.89357	0.50178	Down	Down

33632	TraesCS6B03G0971400	0.56676	1.35432	No	No
33633	TraesCS6B03G0971900	1.09852	0.42845	Up	Down
33634	TraesCS6B03G0971900	0.94056	1.97093	No	No
33635	TraesCS6B03G0973900	0.99409	1.84331	No	No
33636	TraesCS6B03G0974500	0.92515	0.52219	Down	Down
33637	TraesCS6B03G0974600	0.88675	1.19207	No	No
33639	TraesCS6B03G0978000	0.66945	1.5555	No	No
33642	TraesCS6B03G0979500	0.38434	2.64789	Down	Up
33644	TraesCS6B03G0979900	1.9208	1.99161	UP	UP
33645	TraesCS6B03G0980600	1.09276	0.7967	No	No
33646	TraesCS6B03G0982200	0.8746	1.10182	No	No
33647	TraesCS6B03G0983600	0.88685	1.09821	No	No
33648	TraesCS6B03G0983700	0.83586	2.12523	Down	Up
33649	TraesCS6B03G0985100	0.79006	0.60114	Down	Down
33650	TraesCS6B03G0985200	0.79735	0.57119	Down	Down
33651	TraesCS6B03G0988300	1.18279	0.50939	No	No
33652	TraesCS6B03G0988400	1.2159	0.78107	No	No
33653	TraesCS6B03G0988700	1.15467	0.77171	No	No
33654	TraesCS6B03G0988900	0.81159	2.43444	Down	Up
33655	TraesCS6B03G0990400	1.00935	2.67643	Up	Up
33656	TraesCS6B03G0992500	0.71529	1.54587	No	No
33657	TraesCS6B03G0993600	0.90265	0.70209	Down	Down
33658	TraesCS6B03G0993700	1.34619	0.97039	No	No
33659	TraesCS6B03G0994000	1.23558	0.52821	No	No
33660	TraesCS6B03G0994100	1.62303	1.91881	UP	UP
33661	TraesCS6B03G0994600	1.05067	1.83172	UP	UP
33662	TraesCS6B03G0994700	10.2002	2.30545	Up	Up
33663	TraesCS6B03G0994900	1.08206	0.61086	No	No
33664	TraesCS6B03G0995400	2.02756	3.80989	Up	Up
33665	TraesCS6B03G0995500	0.97379	0.2925	Down	Down
33666	TraesCS6B03G0995900	0.94626	0.71306	Down	Down
33667	TraesCS6B03G0996100	1.16622	0.13203	Up	Down
33669	TraesCS6B03G0996600	1.19832	0.71966	No	No
33670	TraesCS6B03G1001900	0.68238	1.31037	No	No
33671	TraesCS6B03G1002800	1.18741	2.43448	Up	Up
33672	TraesCS6B03G1002900	1.19445	3.04831	Up	Up
33674	TraesCS6B03G1003700	0.90963	3.98219	Down	Up
33675	TraesCS6B03G1004300	0.94377	0.4457	Down	Down
33678	TraesCS6B03G1006000	1.02351	1.80864	UP	UP
33680	TraesCS6B03G1009700	1.0031	0.62657	No	No
33681	TraesCS6B03G1010100	0.78354	0.74925	Down	Down
33682	TraesCS6B03G1012300	1.05116	1.78484	UP	UP
33683	TraesCS6B03G1014600	0.99571	0.6347	Down	Down
33684	TraesCS6B03G1014700	1.01226	1.65865	UP	UP
33685	TraesCS6B03G1014800	1.21567	1.12887	UP	UP
33686	TraesCS6B03G1016700	3.10859	1.08441	Up	Up
33687	TraesCS6B03G1017100	1.59962	0.3974	Up	Down
33688	TraesCS6B03G1017200	3.35424	0.37855	Up	Down
33689	TraesCS6B03G1017600	2.40936	0.49606	Up	Down
33690	TraesCS6B03G1017800	0.86182	2.84211	Down	Up
33691	TraesCS6B03G1017900	0.87289	1.90994	No	No
33692	TraesCS6B03G1018100	1.00872	1.31432	UP	UP

33693	TraesCS6B03G1020100	0.92203	1.3866	No	No
33694	TraesCS6B03G1020300	0.943	1.35897	No	No
33695	TraesCS6B03G1020400	0.99791	1.34813	No	No
33696	TraesCS6B03G1020600	0.82079	1.84477	No	No
33697	TraesCS6B03G1022200	0.89404	1.76734	No	No
33698	TraesCS6B03G1024300	1.05026	1.5244	UP	UP
33699	TraesCS6B03G1024500	0.85194	0.5933	Down	Down
33700	TraesCS6B03G1024600	1.16207	1.90634	UP	UP
33701	TraesCS6B03G1026000	1.02331	1.19041	UP	UP
33702	TraesCS6B03G1026100	0.86366	0.86232	Down	Down
33703	TraesCS6B03G1026900	1.11641	1.18718	UP	UP
33704	TraesCS6B03G1027700	0.70245	0.47256	Down	Down
33705	TraesCS6B03G1027800	0.69624	1.87122	No	No
33706	TraesCS6B03G1029200	1.10255	0.18682	Up	Down
33707	TraesCS6B03G1029600	1.11724	0.63136	No	No
33708	TraesCS6B03G1030700	0.90596	0.96041	Down	Down
33709	TraesCS6B03G1030800	0.45347	2.5953	Down	Up
33710	TraesCS6B03G1031300	1.07796	1.03476	UP	UP
33715	TraesCS6B03G1035100	0.4644	1.43534	Down	Up
33716	TraesCS6B03G1035800	0.66699	0.83882	Down	Down
33719	TraesCS6B03G1036100	1.58109	0.46103	Up	Down
33720	TraesCS6B03G1036200	0.81798	1.26572	No	No
33721	TraesCS6B03G1037700	1.09103	0.94094	No	No
33722	TraesCS6B03G1038300	1.09814	0.92169	No	No
33723	TraesCS6B03G1038400	1.55816	4.27562	Up	Up
33724	TraesCS6B03G1039100	1.00756	1.52604	UP	UP
33725	TraesCS6B03G1039300	0.99378	0.30054	Down	Down
33726	TraesCS6B03G1039600	1.08109	0.58715	No	No
33727	TraesCS6B03G1041100	0.67339	1.65677	No	No
33728	TraesCS6B03G1046800	1.25817	0.56945	No	No
33730	TraesCS6B03G1047500	0.95024	0.61306	Down	Down
33732	TraesCS6B03G1048100	0.79168	1.27294	No	No
33733	TraesCS6B03G1049400	0.9821	2.23922	Down	Up
33734	TraesCS6B03G1050700	0.98549	0.81058	Down	Down
33735	TraesCS6B03G1051000	1.4628	1.08569	UP	UP
33736	TraesCS6B03G1051000	0.80236	1.38116	No	No
33737	TraesCS6B03G1051100	0.94403	0.86073	Down	Down
33738	TraesCS6B03G1051300	0.85455	1.27495	No	No
33739	TraesCS6B03G1051600	1.24185	0.984	No	No
33741	TraesCS6B03G1052200	0.99416	1.34819	No	No
33742	TraesCS6B03G1054200	0.93779	0.91229	Down	Down
33743	TraesCS6B03G1055800	1.24661	3.18044	Up	Up
33744	TraesCS6B03G1059400	1.08486	0.95696	No	No
33745	TraesCS6B03G1063300	0.6635	2.61241	Down	Up
33746	TraesCS6B03G1064200	0.75411	2.07694	Down	Up
33747	TraesCS6B03G1064400	1.33576	0.72452	No	No
33748	TraesCS6B03G1064800	1.67505	1.27565	UP	UP
33749	TraesCS6B03G1066500	0.7889	1.43719	No	No
33750	TraesCS6B03G1066600	0.78954	0.73904	Down	Down
33751	TraesCS6B03G1067300	0.56554	1.69762	No	No
33752	TraesCS6B03G1068200	0.98185	1.58089	No	No
33753	TraesCS6B03G1068800	0.84555	0.63209	Down	Down

33754	TraesCS6B03G1070100	1.0936	1.17614	UP	UP
33756	TraesCS6B03G1073100	0.8596	1.16774	No	No
33757	TraesCS6B03G1073300	0.44605	1.83041	Down	Up
33758	TraesCS6B03G1077100	1.03318	1.38053	UP	UP
33759	TraesCS6B03G1077500	0.65069	3.06026	Down	Up
33760	TraesCS6B03G1077900	0.79133	1.04874	No	No
33761	TraesCS6B03G1078000	0.69106	1.30612	No	No
33762	TraesCS6B03G1078400	1.46498	0.36973	Up	Down
33765	TraesCS6B03G1080100	0.93883	1.32193	No	No
33766	TraesCS6B03G1081200	1.03651	2.47168	Up	Up
33767	TraesCS6B03G1081300	1.47373	0.77999	No	No
33768	TraesCS6B03G1081400	0.24682	3.75974	Down	Up
33769	TraesCS6B03G1081600	1.09019	1.29619	UP	UP
33770	TraesCS6B03G1081700	1.28279	1.22958	UP	UP
33771	TraesCS6B03G1081800	0.76476	1.83014	No	No
33772	TraesCS6B03G1082100	1.25891	0.76317	No	No
33775	TraesCS6B03G1087500	1.07835	1.65958	UP	UP
33776	TraesCS6B03G1088100	0.73717	3.81046	Down	Up
33777	TraesCS6B03G1088300	1.36804	0.83261	No	No
33779	TraesCS6B03G1088900	0.75952	1.25833	No	No
33781	TraesCS6B03G1090700	0.64632	1.35403	No	No
33782	TraesCS6B03G1091100	1.30513	1.35488	UP	UP
33783	TraesCS6B03G1091600	1.50018	0.76747	No	No
33784	TraesCS6B03G1091800	0.90815	0.62384	Down	Down
33785	TraesCS6B03G1092100	0.72624	1.44623	No	No
33786	TraesCS6B03G1093300	0.74445	0.66345	Down	Down
33787	TraesCS6B03G1094100	0.83519	1.28313	No	No
33788	TraesCS6B03G1095300	1.33646	0.15455	Up	Down
33789	TraesCS6B03G1095600	0.98894	0.96888	Down	Down
33790	TraesCS6B03G1096200	1.32194	0.55418	No	No
33791	TraesCS6B03G1096300	1.40574	0.79033	No	No
33792	TraesCS6B03G1096600	0.9876	0.49515	Down	Down
33797	TraesCS6B03G1100100	1.18064	0.94412	No	No
33798	TraesCS6B03G1101100	0.81012	1.37543	No	No
33799	TraesCS6B03G1101200	1.00651	0.71678	No	No
33800	TraesCS6B03G1101400	1.17189	0.99554	No	No
33801	TraesCS6B03G1104600	1.06903	0.57666	No	No
33802	TraesCS6B03G1104900	1.05892	0.94303	No	No
33804	TraesCS6B03G1105400	1.0962	1.20179	UP	UP
33807	TraesCS6B03G1106000	1.00303	0.87054	No	No
33808	TraesCS6B03G1106300	0.78144	1.19637	No	No
33810	TraesCS6B03G1107200	0.76348	0.89389	Down	Down
33811	TraesCS6B03G1108900	1.17182	0.94067	No	No
33813	TraesCS6B03G1110100	1.08789	0.24597	Up	Down
33814	TraesCS6B03G1110400	0.9969	0.68315	Down	Down
33815	TraesCS6B03G1110700	0.88662	1.46883	No	No
33816	TraesCS6B03G1111000	0.893	0.87591	Down	Down
33817	TraesCS6B03G1111600	0.79598	2.01604	Down	Up
33818	TraesCS6B03G1111800	0.51811	6.81093	Down	Up
33819	TraesCS6B03G1111900	0.88774	1.5669	No	No
33820	TraesCS6B03G1116200	1.90833	0.59197	No	No
33821	TraesCS6B03G1118400	0.65271	1.33525	No	No

33822	TraesCS6B03G1120700	0.847	1.09756	No	No
33826	TraesCS6B03G1121800	1.04657	2.35331	Up	Up
33827	TraesCS6B03G1123100	0.46371	7.29885	Down	Up
33829	TraesCS6B03G1127700	0.86522	0.36201	Down	Down
33830	TraesCS6B03G1130000	0.86389	2.72794	Down	Up
33831	TraesCS6B03G1132000	0.80648	2.36974	Down	Up
33832	TraesCS6B03G1132400	0.68802	0.69982	Down	Down
33834	TraesCS6B03G1133100	0.57845	0.51302	Down	Down
33835	TraesCS6B03G1133200	1.15838	0.73455	No	No
33837	TraesCS6B03G1134200	1.64207	0.46106	Up	Down
33839	TraesCS6B03G1134500	1.31685	1.10136	UP	UP
33841	TraesCS6B03G1137500	1.25414	0.65939	No	No
33842	TraesCS6B03G1137600	0.7882	0.75088	Down	Down
33843	TraesCS6B03G1137700	0.85387	2.0799	Down	Up
33844	TraesCS6B03G1139500	1.27212	0.9611	No	No
33845	TraesCS6B03G1142900	0.73226	0.78413	Down	Down
33847	TraesCS6B03G1143600	1.21151	0.82117	No	No
33848	TraesCS6B03G1143900	0.74181	1.28698	No	No
33849	TraesCS6B03G1144500	0.96259	1.49027	No	No
33853	TraesCS6B03G1145900	1.20088	1.18826	UP	UP
33855	TraesCS6B03G1149800	1.56031	2.20993	Up	Up
33856	TraesCS6B03G1151100	0.42477	1.29365	Down	Up
33857	TraesCS6B03G1151300	1.14721	0.66034	No	No
33858	TraesCS6B03G1155900	1.05524	0.76542	No	No
33859	TraesCS6B03G1156000	1.02514	0.34024	Up	Down
33860	TraesCS6B03G1156100	0.85368	0.16005	Down	Down
33861	TraesCS6B03G1156100	1.55313	0.34073	Up	Down
33862	TraesCS6B03G1156400	0.96955	0.91399	Down	Down
33863	TraesCS6B03G1157200	1.00271	0.45999	Up	Down
33864	TraesCS6B03G1157300	0.8378	0.71544	Down	Down
33866	TraesCS6B03G1159100	1.00896	0.30679	Up	Down
33867	TraesCS6B03G1160200	1.03327	0.60237	No	No
33868	TraesCS6B03G1160300	1.50525	0.86113	No	No
33869	TraesCS6B03G1160400	1.5353	1.90717	UP	UP
33871	TraesCS6B03G1160800	1.11526	0.52231	No	No
33872	TraesCS6B03G1161400	1.22362	0.981	No	No
33873	TraesCS6B03G1161500	1.22247	0.33665	Up	Down
33874	TraesCS6B03G1161600	1.24013	1.13248	UP	UP
33875	TraesCS6B03G1161800	1.27274	3.26471	Up	Up
33876	TraesCS6B03G1162300	0.72029	2.0058	Down	Up
33877	TraesCS6B03G1163100	0.95814	1.543	No	No
33878	TraesCS6B03G1163200	0.89275	0.91057	Down	Down
33879	TraesCS6B03G1163800	0.97289	1.5788	No	No
33880	TraesCS6B03G1164600	0.53238	3.20705	Down	Up
33881	TraesCS6B03G1166500	1.63271	0.39184	Up	Down
33882	TraesCS6B03G1168600	0.79023	1.04681	No	No
33883	TraesCS6B03G1169100	0.1759	14.05	Down	Up
33884	TraesCS6B03G1169900	1.16417	1.09186	UP	UP
33885	TraesCS6B03G1170100	0.92954	1.71042	No	No
33886	TraesCS6B03G1170200	0.98579	1.04712	No	No
33887	TraesCS6B03G1170300	1.0971	1.06525	UP	UP
33888	TraesCS6B03G1174900	0.91605	1.71592	No	No

33889	TraesCS6B03G1177300	0.84147	0.6069	Down	Down
33890	TraesCS6B03G1179200	0.55578	2.10623	Down	Up
33891	TraesCS6B03G1179500	1.11567	1.36236	UP	UP
33893	TraesCS6B03G1182300	0.87908	0.99926	Down	Down
33894	TraesCS6B03G1183300	0.84241	0.6305	Down	Down
33895	TraesCS6B03G1183500	0.91021	0.64754	Down	Down
33896	TraesCS6B03G1183600	0.84041	0.57095	Down	Down
33897	TraesCS6B03G1183800	0.97704	0.87085	Down	Down
33898	TraesCS6B03G1185300	1.006	1.12766	UP	UP
33899	TraesCS6B03G1186000	0.72151	0.27481	Down	Down
33900	TraesCS6B03G1186200	0.9011	1.1313	No	No
33901	TraesCS6B03G1186300	0.95389	0.64117	Down	Down
33902	TraesCS6B03G1186400	0.85647	0.71043	Down	Down
33903	TraesCS6B03G1186700	0.89506	1.01506	No	No
33905	TraesCS6B03G1189000	0.85619	0.37764	Down	Down
33906	TraesCS6B03G1189600	0.3554	0.58893	Down	Down
33908	TraesCS6B03G1189900	0.69986	1.35614	No	No
33909	TraesCS6B03G1190600	1.25742	0.24469	Up	Down
33910	TraesCS6B03G1190900	0.79488	0.54546	Down	Down
33911	TraesCS6B03G1191000	0.96321	1.56268	No	No
33912	TraesCS6B03G1191100	0.84532	1.24886	No	No
33915	TraesCS6B03G1194200	1.06382	0.70246	No	No
33916	TraesCS6B03G1201700	1.24779	0.19136	Up	Down
33917	TraesCS6B03G1203200	0.39274	0.34731	Down	Down
33918	TraesCS6B03G1203300	0.80806	1.27358	No	No
33919	TraesCS6B03G1204700	1.10035	0.94405	No	No
33921	TraesCS6B03G1206600	0.71607	2.24883	Down	Up
33922	TraesCS6B03G1207200	1.08409	2.07785	Up	Up
33923	TraesCS6B03G1210300	0.83787	0.45224	Down	Down
33924	TraesCS6B03G1210400	2.03788	0.42417	Up	Down
33925	TraesCS6B03G1210400	1.45082	0.32246	Up	Down
33926	TraesCS6B03G1211000	0.89531	0.86978	Down	Down
33927	TraesCS6B03G1211100	0.98382	1.33158	No	No
33928	TraesCS6B03G1211200	0.61538	1.34818	No	No
33929	TraesCS6B03G1211400	1.05133	0.31592	Up	Down
33930	TraesCS6B03G1211400	0.69039	0.38776	Down	Down
33931	TraesCS6B03G1211500	0.9036	1.26916	No	No
33932	TraesCS6B03G1211700	1.10828	0.90552	No	No
33934	TraesCS6B03G1214200	1.02524	1.40634	UP	UP
33936	TraesCS6B03G1215000	0.82451	3.70128	Down	Up
33937	TraesCS6B03G1215100	0.89779	1.23514	No	No
33938	TraesCS6B03G1215200	0.69872	2.11264	Down	Up
33939	TraesCS6B03G1216400	1.57377	0.46581	Up	Down
33940	TraesCS6B03G1216400	0.92224	0.5453	Down	Down
33942	TraesCS6B03G1216700	0.71829	3.3255	Down	Up
33944	TraesCS6B03G1217400	0.42309	2.19494	Down	Up
33945	TraesCS6B03G1217600	0.24597	8.26021	Down	Up
33946	TraesCS6B03G1221800	0.78432	1.80958	No	No
33947	TraesCS6B03G1226600	0.82655	1.018	No	No
33948	TraesCS6B03G1226900	0.53104	1.95979	No	No
33949	TraesCS6B03G1226900	2.20621	1.94331	UP	UP
33950	TraesCS6B03G1227800	0.96517	1.15127	No	No

33951	TraesCS6B03G1227900	0.5693	1.4252	No	No
33953	TraesCS6B03G1228200	0.60725	1.98142	No	No
33954	TraesCS6B03G1228500	0.6823	0.8585	Down	Down
33955	TraesCS6B03G1228600	1.15459	0.82625	No	No
33956	TraesCS6B03G1228800	1.14012	1.61189	UP	UP
33957	TraesCS6B03G1229400	0.86497	0.83401	Down	Down
33958	TraesCS6B03G1229900	0.64825	1.41344	No	No
33959	TraesCS6B03G1230000	0.65249	1.38932	No	No
33960	TraesCS6B03G1230200	0.72108	0.95649	Down	Down
33961	TraesCS6B03G1230900	0.51976	10.6851	Down	Up
33963	TraesCS6B03G1232000	0.98635	1.28285	No	No
33964	TraesCS6B03G1232100	0.58774	1.93468	No	No
33966	TraesCS6B03G1232900	0.98226	0.99143	Down	Down
33967	TraesCS6B03G1236900	1.09803	0.71381	No	No
33968	TraesCS6B03G1237700	0.85856	1.44499	No	No
33969	TraesCS6B03G1238800	0.92976	0.73696	Down	Down
33970	TraesCS6B03G1238900	0.8032	1.94194	No	No
33971	TraesCS6B03G1239000	0.94669	0.77632	Down	Down
33973	TraesCS6B03G1244800	0.8648	0.87415	Down	Down
33974	TraesCS6B03G1244900	1.04389	0.81921	No	No
33975	TraesCS6B03G1245200	0.68218	0.36353	Down	Down
33976	TraesCS6B03G1247900	0.73282	0.30371	Down	Down
33977	TraesCS6B03G1248600	1.2395	0.99827	No	No
33979	TraesCS6B03G1249500	1.45164	0.75714	No	No
33980	TraesCS6B03G1249600	0.92702	0.99562	Down	Down
33981	TraesCS6B03G1249800	2.14834	0.18878	Up	Down
33982	TraesCS6B03G1250200	1.27299	0.10639	Up	Down
33983	TraesCS6B03G1250700	0.67285	0.40304	Down	Down
33985	TraesCS6B03G1251100	1.43081	1.12687	UP	UP
33986	TraesCS6B03G1251200	1.00809	2.62235	Up	Up
33987	TraesCS6B03G1251800	0.98126	1.69058	No	No
33988	TraesCS6B03G1251900	1.10193	0.96092	No	No
33989	TraesCS6B03G1252300	0.87627	1.43743	No	No
33990	TraesCS6B03G1252500	0.76992	1.44546	No	No
33992	TraesCS6B03G1253700	0.9093	1.57972	No	No
33994	TraesCS6B03G1255700	0.9436	1.51741	No	No
33995	TraesCS6B03G1256600	0.85387	1.60517	No	No
33996	TraesCS6B03G1259600	1.02625	1.11361	UP	UP
33997	TraesCS6B03G1261000	1.06755	0.3659	Up	Down
33998	TraesCS6B03G1261800	0.95549	2.30737	Down	Up
33999	TraesCS6B03G1261900	1.2437	5.55492	Up	Up
34000	TraesCS6B03G1262000	0.81432	1.02092	No	No
34001	TraesCS6B03G1262100	1.11762	1.48526	UP	UP
34002	TraesCS6B03G1262300	1.06211	0.70291	No	No
34003	TraesCS6B03G1262600	0.36613	1.41798	Down	Up
34004	TraesCS6B03G1262700	1.12025	1.22014	UP	UP
34005	TraesCS6B03G1263300	0.93866	1.07487	No	No
34006	TraesCS6B03G1264700	0.98248	2.25972	Down	Up
34007	TraesCS6B03G1265900	0.96084	0.2523	Down	Down
34009	TraesCS6B03G1273100	0.75836	1.49578	No	No
34010	TraesCS6B03G1275300	1.32215	0.71168	No	No
34011	TraesCS6B03G1275400	1.14934	1.16855	UP	UP

34012	TraesCS6B03G1277800	0.76183	1.36334	No	No
34013	TraesCS6B03G1278500	1.04565	0.25383	Up	Down
34014	TraesCS6B03G1279500	1.11987	0.56659	No	No
34016	TraesCS6B03G1289800	0.94734	0.24517	Down	Down
34017	TraesCS6B03G1290600	0.96377	0.6765	Down	Down
34019	TraesCS6B03G1291100	0.93528	0.83934	Down	Down
34020	TraesCS6B03G1294400	1.05673	0.80341	No	No
34021	TraesCS6B03G1294500	1.49409	0.7676	No	No
34022	TraesCS6B03G1297000	1.03328	0.78226	No	No
34023	TraesCS6B03G1304000	0.99634	1.82929	No	No
34024	TraesCS6B03G1304700	0.77962	0.69662	Down	Down
34025	TraesCS6B03G1305500	1.27484	0.8081	No	No
34026	TraesCS6B03G1305700	0.75264	0.6612	Down	Down
34027	TraesCS6B03G1305700	1.22493	1.69778	UP	UP
34028	TraesCS6B03G1306000	1.03802	0.24168	Up	Down
34029	TraesCS6D03G0004600	0.61676	0.86151	Down	Down
34030	TraesCS6D03G0004700	0.98366	0.45502	Down	Down
34033	TraesCS6D03G0007000	1.01493	5.89794	Up	Up
34034	TraesCS6D03G0009000	1.48476	0.64778	No	No
34035	TraesCS6D03G0009100	0.8569	1.40829	No	No
34036	TraesCS6D03G0010600	0.91441	0.33881	Down	Down
34037	TraesCS6D03G0010600	1.15876	0.32312	Up	Down
34038	TraesCS6D03G0010900	0.69223	1.28515	No	No
34039	TraesCS6D03G0011300	0.31334	0.64298	Down	Down
34040	TraesCS6D03G0011700	0.92944	1.3703	No	No
34041	TraesCS6D03G0011800	0.85349	0.86174	Down	Down
34042	TraesCS6D03G0012000	1.07642	1.17736	UP	UP
34043	TraesCS6D03G0012100	1.00123	0.63334	No	No
34044	TraesCS6D03G0012200	0.72971	0.34169	Down	Down
34045	TraesCS6D03G0012800	0.72656	11.0017	Down	Up
34046	TraesCS6D03G0012900	0.97608	1.42581	No	No
34047	TraesCS6D03G0015300	1.29561	1.2562	UP	UP
34048	TraesCS6D03G0016000	0.7401	1.67064	No	No
34049	TraesCS6D03G0017900	0.35417	0.88202	Down	Down
34050	TraesCS6D03G0018300	1.22364	1.14223	UP	UP
34051	TraesCS6D03G0018400	0.95551	1.25026	No	No
34052	TraesCS6D03G0020200	0.92018	1.41198	No	No
34053	TraesCS6D03G0020300	0.93016	1.19535	No	No
34055	TraesCS6D03G0025100	1.63186	0.65421	No	No
34056	TraesCS6D03G0025700	0.89531	0.4776	Down	Down
34057	TraesCS6D03G0028100	0.73282	2.33226	Down	Up
34058	TraesCS6D03G0030900	0.69815	0.65311	Down	Down
34059	TraesCS6D03G0031100	1.10025	2.33025	Up	Up
34061	TraesCS6D03G0031400	0.80559	0.7935	Down	Down
34062	TraesCS6D03G0032300	0.74811	1.13293	No	No
34063	TraesCS6D03G0034000	0.73947	4.67722	Down	Up
34064	TraesCS6D03G0034400	0.69452	6.05535	Down	Up
34065	TraesCS6D03G0035900	0.70784	1.20425	No	No
34066	TraesCS6D03G0036200	0.73798	2.08714	Down	Up
34067	TraesCS6D03G0036400	0.47315	0.96861	Down	Down
34068	TraesCS6D03G0036500	0.71609	0.61706	Down	Down
34069	TraesCS6D03G0037700	0.89492	1.64063	No	No

34070	TraesCS6D03G0038200	0.88924	2.00972	Down	Up
34071	TraesCS6D03G0039000	0.78049	0.23085	Down	Down
34072	TraesCS6D03G0040600	1.03012	0.69114	No	No
34073	TraesCS6D03G0042700	1.24863	0.21143	Up	Down
34074	TraesCS6D03G0043600	8.09166	0.31978	Up	Down
34075	TraesCS6D03G0045100	0.80719	0.88379	Down	Down
34076	TraesCS6D03G0045300	0.94575	1.22011	No	No
34077	TraesCS6D03G0045400	1.11485	0.78928	No	No
34078	TraesCS6D03G0046000	0.86709	1.87253	No	No
34079	TraesCS6D03G0048700	0.81802	1.65587	No	No
34080	TraesCS6D03G0048800	0.66835	1.26491	No	No
34081	TraesCS6D03G0048900	0.93862	1.65785	No	No
34082	TraesCS6D03G0049400	0.92396	1.30556	No	No
34083	TraesCS6D03G0049600	1.01987	3.6865	Up	Up
34084	TraesCS6D03G0049900	0.87437	1.0789	No	No
34085	TraesCS6D03G0050600	0.77743	3.46395	Down	Up
34087	TraesCS6D03G0051600	0.50207	12.4414	Down	Up
34089	TraesCS6D03G0053900	0.57794	1.20141	No	No
34090	TraesCS6D03G0054500	0.97943	1.18767	No	No
34091	TraesCS6D03G0055100	0.89484	1.21367	No	No
34092	TraesCS6D03G0055200	1.50832	0.48357	Up	Down
34093	TraesCS6D03G0057700	0.79229	0.36012	Down	Down
34094	TraesCS6D03G0058500	0.71868	2.1363	Down	Up
34095	TraesCS6D03G0058900	1.05996	1.42776	UP	UP
34096	TraesCS6D03G0059200	0.94036	2.30642	Down	Up
34097	TraesCS6D03G0059300	0.21613	0.82228	Down	Down
34098	TraesCS6D03G0063100	1.59833	0.37636	Up	Down
34099	TraesCS6D03G0063300	1.21568	2.17401	Up	Up
34100	TraesCS6D03G0064400	0.99436	0.20395	Down	Down
34101	TraesCS6D03G0064600	0.87148	0.68682	Down	Down
34102	TraesCS6D03G0064700	0.84311	4.99727	Down	Up
34103	TraesCS6D03G0064800	0.57971	4.24888	Down	Up
34104	TraesCS6D03G0066700	0.88692	8.4083	Down	Up
34105	TraesCS6D03G0066800	0.69434	1.42821	No	No
34106	TraesCS6D03G0067600	0.78732	2.10389	Down	Up
34107	TraesCS6D03G0070100	0.77151	1.13626	No	No
34110	TraesCS6D03G0075100	0.8694	1.33733	No	No
34111	TraesCS6D03G0077100	1.15005	0.77382	No	No
34112	TraesCS6D03G0077300	0.81146	5.47585	Down	Up
34113	TraesCS6D03G0078000	1.01025	1.66744	UP	UP
34114	TraesCS6D03G0078100	0.66707	1.69739	No	No
34115	TraesCS6D03G0078700	0.99072	1.29645	No	No
34116	TraesCS6D03G0081400	0.88043	1.99008	No	No
34117	TraesCS6D03G0082200	1.32616	0.84787	No	No
34118	TraesCS6D03G0083600	1.31944	0.46045	Up	Down
34119	TraesCS6D03G0083900	0.99085	0.57762	Down	Down
34120	TraesCS6D03G0085300	1.23157	0.64628	No	No
34121	TraesCS6D03G0085600	1.19218	0.65296	No	No
34122	TraesCS6D03G0086200	1.2029	1.3419	UP	UP
34123	TraesCS6D03G0086300	0.65202	0.75596	Down	Down
34124	TraesCS6D03G0097100	1.04546	0.62487	No	No
34125	TraesCS6D03G0097900	1.20833	2.57224	Up	Up

34126	TraesCS6D03G0098300	0.74554	1.02189	No	No
34127	TraesCS6D03G0099100	1.00363	0.70475	No	No
34129	TraesCS6D03G0101500	0.92318	1.08653	No	No
34130	TraesCS6D03G0103400	0.858	6.95472	Down	Up
34131	TraesCS6D03G0104100	0.7007	1.41642	No	No
34132	TraesCS6D03G0105300	1.21721	1.96098	UP	UP
34133	TraesCS6D03G0105500	0.89193	1.78591	No	No
34134	TraesCS6D03G0107700	1.11387	0.7833	No	No
34135	TraesCS6D03G0108100	1.1663	1.34957	UP	UP
34136	TraesCS6D03G0108200	0.59747	1.03635	No	No
34137	TraesCS6D03G0108400	0.97199	3.82326	Down	Up
34138	TraesCS6D03G0108500	0.43527	2.81099	Down	Up
34139	TraesCS6D03G0108900	0.86567	1.99196	No	No
34140	TraesCS6D03G0110900	1.03645	0.71603	No	No
34141	TraesCS6D03G0111000	0.99436	0.55279	Down	Down
34142	TraesCS6D03G0111100	1.1066	1.72129	UP	UP
34143	TraesCS6D03G0111600	0.77838	1.0374	No	No
34144	TraesCS6D03G0112100	0.95236	0.55295	Down	Down
34145	TraesCS6D03G0112300	0.92936	1.09614	No	No
34146	TraesCS6D03G0113500	0.77118	6.36553	Down	Up
34147	TraesCS6D03G0114100	0.67499	3.46055	Down	Up
34148	TraesCS6D03G0114200	1.01189	0.66331	No	No
34149	TraesCS6D03G0114300	0.75171	1.54414	No	No
34150	TraesCS6D03G0114500	0.77331	0.52325	Down	Down
34152	TraesCS6D03G0118600	0.67902	0.8919	Down	Down
34153	TraesCS6D03G0119600	1.44362	0.45571	Up	Down
34154	TraesCS6D03G0121300	1.08626	1.16132	UP	UP
34155	TraesCS6D03G0121600	3.30585	1.66853	Up	Up
34157	TraesCS6D03G0127800	1.03021	1.40159	UP	UP
34159	TraesCS6D03G0129900	1.16611	0.71711	No	No
34161	TraesCS6D03G0133700	0.89023	0.74094	Down	Down
34162	TraesCS6D03G0133700	1.81604	0.29036	Up	Down
34163	TraesCS6D03G0134700	0.7752	13.98	Down	Up
34165	TraesCS6D03G0135900	1.09039	0.71355	No	No
34166	TraesCS6D03G0136200	1.72964	0.6317	No	No
34167	TraesCS6D03G0136800	0.70403	0.5347	Down	Down
34168	TraesCS6D03G0137800	0.94807	0.28029	Down	Down
34169	TraesCS6D03G0137800	1.23961	0.54245	No	No
34170	TraesCS6D03G0139300	0.76924	0.53463	Down	Down
34171	TraesCS6D03G0139900	0.98403	1.21068	No	No
34172	TraesCS6D03G0140000	1.39196	0.56946	No	No
34173	TraesCS6D03G0140100	3.12345	0.44398	Up	Down
34175	TraesCS6D03G0140400	0.78259	1.29245	No	No
34176	TraesCS6D03G0140500	1.20256	1.78969	UP	UP
34177	TraesCS6D03G0142800	0.83041	1.22915	No	No
34178	TraesCS6D03G0142900	0.53125	0.81584	Down	Down
34179	TraesCS6D03G0143000	0.86053	0.95235	Down	Down
34180	TraesCS6D03G0143600	0.75719	0.52829	Down	Down
34181	TraesCS6D03G0143800	1.04681	0.44153	Up	Down
34182	TraesCS6D03G0144600	1.31543	1.14963	UP	UP
34183	TraesCS6D03G0144700	0.78617	1.09918	No	No
34184	TraesCS6D03G0146000	1.07201	0.50725	No	No

34185	TraesCS6D03G0146300	0.56833	0.65487	Down	Down
34186	TraesCS6D03G0149500	0.79818	10.457	Down	Up
34187	TraesCS6D03G0150000	1.22198	1.74296	UP	UP
34188	TraesCS6D03G0150100	0.98199	1.1854	No	No
34189	TraesCS6D03G0150400	0.80189	1.46577	No	No
34190	TraesCS6D03G0153900	0.43895	1.29889	Down	Up
34191	TraesCS6D03G0156800	0.91583	1.45815	No	No
34192	TraesCS6D03G0157600	0.83187	0.40269	Down	Down
34193	TraesCS6D03G0157700	0.94213	0.6127	Down	Down
34194	TraesCS6D03G0159700	1.21307	0.87816	No	No
34195	TraesCS6D03G0161000	0.81225	1.49404	No	No
34196	TraesCS6D03G0161200	0.54608	2.38243	Down	Up
34197	TraesCS6D03G0161300	0.92366	1.03236	No	No
34198	TraesCS6D03G0161700	0.96023	0.56171	Down	Down
34199	TraesCS6D03G0162200	0.88665	0.73783	Down	Down
34200	TraesCS6D03G0162300	0.94588	0.89097	Down	Down
34202	TraesCS6D03G0163300	0.77197	1.31266	No	No
34204	TraesCS6D03G0163800	0.4252	1.29616	Down	Up
34205	TraesCS6D03G0167000	0.86089	2.58343	Down	Up
34207	TraesCS6D03G0168600	1.59517	1.07143	UP	UP
34208	TraesCS6D03G0169400	0.74114	1.44045	No	No
34209	TraesCS6D03G0170500	0.85675	0.73213	Down	Down
34210	TraesCS6D03G0170500	1.03647	2.04111	Up	Up
34211	TraesCS6D03G0170600	0.78686	1.34906	No	No
34213	TraesCS6D03G0173800	0.73773	2.40236	Down	Up
34215	TraesCS6D03G0176800	1.04701	3.56661	Up	Up
34217	TraesCS6D03G0177300	1.00664	0.89128	No	No
34218	TraesCS6D03G0177400	0.80008	3.27635	Down	Up
34219	TraesCS6D03G0180000	1.15115	0.88731	No	No
34220	TraesCS6D03G0180300	1.30827	1.26664	UP	UP
34221	TraesCS6D03G0180800	1.12642	1.93054	UP	UP
34222	TraesCS6D03G0180900	0.97504	1.71985	No	No
34223	TraesCS6D03G0182000	0.68117	1.25842	No	No
34225	TraesCS6D03G0182200	1.36266	0.61717	No	No
34226	TraesCS6D03G0183100	0.81471	1.12366	No	No
34227	TraesCS6D03G0183200	1.89738	0.69694	No	No
34228	TraesCS6D03G0183900	0.83008	1.93417	No	No
34229	TraesCS6D03G0184400	0.61523	0.4897	Down	Down
34230	TraesCS6D03G0184800	1.13248	16.1821	Up	Up
34231	TraesCS6D03G0185200	1.18577	0.72859	No	No
34233	TraesCS6D03G0186100	1.06799	0.98457	No	No
34235	TraesCS6D03G0187300	0.82177	5.08576	Down	Up
34236	TraesCS6D03G0187800	1.18471	0.54906	No	No
34238	TraesCS6D03G0189400	1.14796	0.64774	No	No
34239	TraesCS6D03G0189400	1.00152	0.98824	No	No
34240	TraesCS6D03G0191800	1.24823	0.70651	No	No
34241	TraesCS6D03G0193100	0.84387	0.69744	Down	Down
34242	TraesCS6D03G0193200	0.99501	0.86794	Down	Down
34243	TraesCS6D03G0193400	0.81022	5.95668	Down	Up
34245	TraesCS6D03G0193800	1.34799	0.42233	Up	Down
34246	TraesCS6D03G0193900	0.88253	7.02415	Down	Up
34247	TraesCS6D03G0194000	1.13488	0.29528	Up	Down

34248	TraesCS6D03G0195300	0.84653	2.42089	Down	Up
34249	TraesCS6D03G0195400	0.74646	2.96789	Down	Up
34250	TraesCS6D03G0195500	1.7248	0.83214	No	No
34251	TraesCS6D03G0195900	0.94486	0.57661	Down	Down
34252	TraesCS6D03G0196000	1.09265	0.95677	No	No
34253	TraesCS6D03G0196400	0.65199	1.04348	No	No
34255	TraesCS6D03G0197400	1.26049	1.18796	UP	UP
34256	TraesCS6D03G0200300	1.05691	1.15068	UP	UP
34257	TraesCS6D03G0200900	1.08844	0.80021	No	No
34258	TraesCS6D03G0201100	0.92879	0.78034	Down	Down
34259	TraesCS6D03G0202000	0.89222	0.52052	Down	Down
34260	TraesCS6D03G0202500	0.73726	2.78627	Down	Up
34261	TraesCS6D03G0202700	0.78216	0.7709	Down	Down
34262	TraesCS6D03G0202700	1.35928	1.09243	UP	UP
34263	TraesCS6D03G0203600	0.75591	0.47361	Down	Down
34264	TraesCS6D03G0204300	0.92471	1.41449	No	No
34265	TraesCS6D03G0205200	4.72474	0.22638	Up	Down
34266	TraesCS6D03G0205800	0.9755	0.89496	Down	Down
34267	TraesCS6D03G0206300	1.05151	1.02606	UP	UP
34268	TraesCS6D03G0206400	0.82786	0.83326	Down	Down
34269	TraesCS6D03G0207400	1.01328	1.43417	UP	UP
34270	TraesCS6D03G0207500	1.24378	2.48078	Up	Up
34271	TraesCS6D03G0209300	1.01338	0.13742	Up	Down
34272	TraesCS6D03G0210300	0.67268	0.64909	Down	Down
34274	TraesCS6D03G0211000	1.302	4.8312	Up	Up
34275	TraesCS6D03G0211100	0.84201	3.10779	Down	Up
34276	TraesCS6D03G0213000	1.37463	1.0922	UP	UP
34278	TraesCS6D03G0214700	1.3085	0.75069	No	No
34279	TraesCS6D03G0215500	1.28351	1.21065	UP	UP
34280	TraesCS6D03G0215600	0.67869	0.68286	Down	Down
34281	TraesCS6D03G0217200	0.44194	1.78253	Down	Up
34282	TraesCS6D03G0217300	1.27533	1.13444	UP	UP
34283	TraesCS6D03G0219400	1.03147	1.92101	UP	UP
34284	TraesCS6D03G0220100	1.54355	0.47135	Up	Down
34285	TraesCS6D03G0220400	0.90512	0.9487	Down	Down
34287	TraesCS6D03G0220800	1.15377	1.48976	UP	UP
34288	TraesCS6D03G0221100	1.10772	1.36829	UP	UP
34289	TraesCS6D03G0221200	1.17788	0.74544	No	No
34290	TraesCS6D03G0221400	1.22377	1.42086	UP	UP
34292	TraesCS6D03G0222100	0.92467	0.8085	Down	Down
34294	TraesCS6D03G0222900	1.01084	0.28135	Up	Down
34296	TraesCS6D03G0223400	1.46997	0.53822	No	No
34297	TraesCS6D03G0223900	2.14781	9.18171	Up	Up
34298	TraesCS6D03G0224200	0.80473	0.6875	Down	Down
34299	TraesCS6D03G0225000	0.85185	0.96105	Down	Down
34300	TraesCS6D03G0225400	0.98929	0.64551	Down	Down
34301	TraesCS6D03G0225600	1.11489	2.11585	Up	Up
34302	TraesCS6D03G0225900	0.70326	2.13153	Down	Up
34303	TraesCS6D03G0227600	0.71517	0.88563	Down	Down
34304	TraesCS6D03G0227700	5.25672	0.0986	Up	Down
34305	TraesCS6D03G0227800	0.97463	1.26918	No	No
34306	TraesCS6D03G0228600	1.43699	0.56452	No	No

34307	TraesCS6D03G0228700	1.00017	0.81856	No	No
34308	TraesCS6D03G0228900	0.21956	14.4547	Down	Up
34309	TraesCS6D03G0229000	0.2197	8.93993	Down	Up
34310	TraesCS6D03G0230000	1.06633	1.24613	UP	UP
34311	TraesCS6D03G0230200	1.03344	0.8491	No	No
34312	TraesCS6D03G0232100	1.22366	1.48479	UP	UP
34313	TraesCS6D03G0232800	1.30399	0.0742	Up	Down
34314	TraesCS6D03G0233100	0.84288	1.31257	No	No
34315	TraesCS6D03G0233200	0.89416	1.25723	No	No
34316	TraesCS6D03G0233800	1.21728	1.19239	UP	UP
34317	TraesCS6D03G0234200	0.92402	1.27026	No	No
34321	TraesCS6D03G0234600	1.10245	1.00565	UP	UP
34322	TraesCS6D03G0234900	0.69075	0.82176	Down	Down
34323	TraesCS6D03G0237400	1.32694	0.66461	No	No
34324	TraesCS6D03G0237600	0.62459	1.07922	No	No
34325	TraesCS6D03G0237900	0.82202	1.29265	No	No
34326	TraesCS6D03G0238500	0.68517	3.03797	Down	Up
34327	TraesCS6D03G0238600	0.85322	1.23503	No	No
34328	TraesCS6D03G0242900	1.11421	1.36502	UP	UP
34329	TraesCS6D03G0243100	0.9242	0.84127	Down	Down
34330	TraesCS6D03G0243300	0.89565	2.23433	Down	Up
34331	TraesCS6D03G0244800	0.7583	1.0571	No	No
34332	TraesCS6D03G0245600	1.29807	0.58443	No	No
34333	TraesCS6D03G0246700	1.15456	1.98011	UP	UP
34334	TraesCS6D03G0248000	0.4169	16.5919	Down	Up
34335	TraesCS6D03G0248400	1.12355	1.77571	UP	UP
34336	TraesCS6D03G0249600	1.347	0.68978	No	No
34337	TraesCS6D03G0250300	1.36487	0.6926	No	No
34338	TraesCS6D03G0250600	0.82987	1.61387	No	No
34340	TraesCS6D03G0251400	0.87179	1.44697	No	No
34341	TraesCS6D03G0251500	0.91676	1.37168	No	No
34342	TraesCS6D03G0254200	0.97509	1.50534	No	No
34343	TraesCS6D03G0258300	1.42912	0.76615	No	No
34344	TraesCS6D03G0260400	1.13039	1.236	UP	UP
34346	TraesCS6D03G0263100	1.27354	0.27888	Up	Down
34348	TraesCS6D03G0266300	1.40232	0.44378	Up	Down
34349	TraesCS6D03G0266400	1.08658	0.37851	Up	Down
34350	TraesCS6D03G0267800	0.74938	3.85956	Down	Up
34351	TraesCS6D03G0268000	0.84696	0.99088	Down	Down
34352	TraesCS6D03G0268300	0.95587	2.31091	Down	Up
34353	TraesCS6D03G0268700	1.0757	0.68008	No	No
34354	TraesCS6D03G0269300	0.92674	2.41704	Down	Up
34355	TraesCS6D03G0269600	0.79871	2.58877	Down	Up
34357	TraesCS6D03G0272300	0.95746	0.30344	Down	Down
34359	TraesCS6D03G0273300	1.23127	1.51059	UP	UP
34360	TraesCS6D03G0273900	0.75794	1.24352	No	No
34361	TraesCS6D03G0275000	0.94105	0.7219	Down	Down
34362	TraesCS6D03G0275200	0.99209	0.45531	Down	Down
34363	TraesCS6D03G0275400	0.95005	0.85705	Down	Down
34364	TraesCS6D03G0275800	0.98054	0.93436	Down	Down
34365	TraesCS6D03G0276600	0.48335	4.36417	Down	Up
34367	TraesCS6D03G0279000	0.71818	1.3811	No	No

34370	TraesCS6D03G0279900	0.60266	0.66805	Down	Down
34371	TraesCS6D03G0280100	0.8012	2.14456	Down	Up
34372	TraesCS6D03G0280300	1.08679	0.92482	No	No
34374	TraesCS6D03G0281900	0.96985	1.37315	No	No
34375	TraesCS6D03G0282300	1.25874	1.12589	UP	UP
34376	TraesCS6D03G0285100	1.41336	1.76729	UP	UP
34377	TraesCS6D03G0285200	1.2067	1.07873	UP	UP
34378	TraesCS6D03G0285300	1.33481	0.83826	No	No
34380	TraesCS6D03G0287100	0.78592	1.0782	No	No
34381	TraesCS6D03G0287600	0.90101	1.82674	No	No
34382	TraesCS6D03G0288000	0.83889	0.86848	Down	Down
34383	TraesCS6D03G0288400	0.71125	1.97331	No	No
34384	TraesCS6D03G0288700	0.85939	0.61959	Down	Down
34385	TraesCS6D03G0288700	1.35617	1.09982	UP	UP
34386	TraesCS6D03G0289100	0.69783	1.41162	No	No
34387	TraesCS6D03G0290300	1.08248	1.63984	UP	UP
34388	TraesCS6D03G0290400	1.00221	0.33263	Up	Down
34389	TraesCS6D03G0292900	0.79125	1.29734	No	No
34390	TraesCS6D03G0293400	0.18702	1.41662	Down	Up
34391	TraesCS6D03G0293700	1.01396	2.68371	Up	Up
34394	TraesCS6D03G0295300	1.026	0.54014	No	No
34395	TraesCS6D03G0295400	0.77527	2.80875	Down	Up
34396	TraesCS6D03G0295400	0.80245	0.55935	Down	Down
34398	TraesCS6D03G0298500	0.63597	0.91006	Down	Down
34399	TraesCS6D03G0298700	1.00979	1.11735	UP	UP
34400	TraesCS6D03G0299000	0.92503	1.32735	No	No
34402	TraesCS6D03G0299900	1.18492	1.30138	UP	UP
34403	TraesCS6D03G0300300	0.55632	1.43684	No	No
34404	TraesCS6D03G0301600	1.50197	1.03564	UP	UP
34405	TraesCS6D03G0301600	1.09173	1.04912	UP	UP
34406	TraesCS6D03G0301800	1.39344	1.24512	UP	UP
34407	TraesCS6D03G0302400	0.88894	1.78468	No	No
34408	TraesCS6D03G0303200	1.43847	1.38154	UP	UP
34409	TraesCS6D03G0303700	1.17376	0.38534	Up	Down
34410	TraesCS6D03G0303900	0.81364	1.12791	No	No
34411	TraesCS6D03G0304200	1.4561	5.78683	Up	Up
34412	TraesCS6D03G0304700	1.13724	0.9322	No	No
34413	TraesCS6D03G0305300	0.86487	1.80721	No	No
34414	TraesCS6D03G0305400	1.54002	0.74485	No	No
34416	TraesCS6D03G0305900	2.33791	1.44896	Up	Up
34417	TraesCS6D03G0306400	1.10145	0.8104	No	No
34418	TraesCS6D03G0306700	0.98867	0.76708	Down	Down
34419	TraesCS6D03G0307600	1.28704	0.46943	Up	Down
34420	TraesCS6D03G0309200	1.04846	0.7227	No	No
34421	TraesCS6D03G0309600	1.17202	0.98799	No	No
34422	TraesCS6D03G0310500	1.0591	0.65858	No	No
34423	TraesCS6D03G0313700	0.82854	1.03497	No	No
34424	TraesCS6D03G0313800	0.51776	1.31728	No	No
34425	TraesCS6D03G0314600	0.99238	4.06006	Down	Up
34426	TraesCS6D03G0315800	1.28539	0.54625	No	No
34427	TraesCS6D03G0316900	1.09601	0.50952	No	No
34428	TraesCS6D03G0317000	0.81647	0.67061	Down	Down

34429	TraesCS6D03G0317400	1.09007	0.69681	No	No
34430	TraesCS6D03G0317500	1.03095	3.12176	Up	Up
34431	TraesCS6D03G0317700	0.53087	6.92134	Down	Up
34432	TraesCS6D03G0318800	0.24197	0.64658	Down	Down
34433	TraesCS6D03G0318800	1.26351	0.78478	No	No
34434	TraesCS6D03G0319900	1.26105	1.65764	UP	UP
34435	TraesCS6D03G0320000	0.56164	0.84817	Down	Down
34437	TraesCS6D03G0320400	0.95685	1.17128	No	No
34438	TraesCS6D03G0321200	0.65949	1.2332	No	No
34439	TraesCS6D03G0321300	0.77205	1.06462	No	No
34440	TraesCS6D03G0322400	1.40525	1.16541	UP	UP
34441	TraesCS6D03G0322600	0.99571	1.3364	No	No
34442	TraesCS6D03G0322600	0.85164	3.92245	Down	Up
34443	TraesCS6D03G0322800	0.73852	0.52359	Down	Down
34444	TraesCS6D03G0323000	1.23821	0.37429	Up	Down
34445	TraesCS6D03G0323900	0.73348	1.42179	No	No
34446	TraesCS6D03G0324000	0.6696	3.20502	Down	Up
34447	TraesCS6D03G0324300	0.69447	1.91987	No	No
34448	TraesCS6D03G0324700	0.77683	4.61276	Down	Up
34449	TraesCS6D03G0324800	1.25354	0.81459	No	No
34450	TraesCS6D03G0325100	0.87918	1.15992	No	No
34451	TraesCS6D03G0325200	1.19439	0.79914	No	No
34452	TraesCS6D03G0325600	0.84471	2.03739	Down	Up
34453	TraesCS6D03G0325700	0.87104	0.30855	Down	Down
34454	TraesCS6D03G0325900	1.01219	1.48856	UP	UP
34455	TraesCS6D03G0326800	1.45208	1.37129	UP	UP
34456	TraesCS6D03G0327000	0.72036	1.49848	No	No
34457	TraesCS6D03G0327700	1.14138	2.69773	Up	Up
34458	TraesCS6D03G0328900	1.08074	1.98583	UP	UP
34459	TraesCS6D03G0329000	0.86357	1.64537	No	No
34460	TraesCS6D03G0329100	1.43389	0.12666	Up	Down
34461	TraesCS6D03G0329200	0.88506	0.81102	Down	Down
34465	TraesCS6D03G0332100	0.79811	1.27548	No	No
34466	TraesCS6D03G0332400	0.9486	1.01553	No	No
34467	TraesCS6D03G0332600	1.07891	0.6696	No	No
34468	TraesCS6D03G0332900	2.1439	0.12637	Up	Down
34469	TraesCS6D03G0333400	0.90364	1.98807	No	No
34470	TraesCS6D03G0333800	0.69066	0.53265	Down	Down
34471	TraesCS6D03G0333900	0.86023	1.01939	No	No
34472	TraesCS6D03G0334000	0.71782	0.68146	Down	Down
34473	TraesCS6D03G0334200	0.81987	1.17019	No	No
34475	TraesCS6D03G0336800	0.86171	2.22922	Down	Up
34476	TraesCS6D03G0337000	1.00831	0.67839	No	No
34477	TraesCS6D03G0337200	0.85844	2.33579	Down	Up
34478	TraesCS6D03G0337500	0.98704	0.79177	Down	Down
34480	TraesCS6D03G0337700	0.85444	1.76715	No	No
34481	TraesCS6D03G0337800	0.82565	2.47932	Down	Up
34482	TraesCS6D03G0338400	1.62362	1.0006	UP	UP
34483	TraesCS6D03G0338600	1.60506	0.83806	No	No
34484	TraesCS6D03G0338900	1.17497	1.00281	UP	UP
34485	TraesCS6D03G0340100	0.74717	0.14281	Down	Down
34486	TraesCS6D03G0340300	0.63295	2.41069	Down	Up

34487	TraesCS6D03G0340700	1.03765	0.2726	Up	Down
34488	TraesCS6D03G0341000	1.0359	1.21072	UP	UP
34489	TraesCS6D03G0341100	1.29387	0.99721	No	No
34490	TraesCS6D03G0341400	0.95718	1.222	No	No
34491	TraesCS6D03G0341900	0.82999	1.12771	No	No
34492	TraesCS6D03G0342000	0.83845	0.63407	Down	Down
34493	TraesCS6D03G0342100	1.15367	0.72737	No	No
34494	TraesCS6D03G0342200	1.20874	0.99775	No	No
34495	TraesCS6D03G0342800	1.03223	0.88437	No	No
34496	TraesCS6D03G0342900	1.15929	1.39321	UP	UP
34498	TraesCS6D03G0343200	0.8508	1.39909	No	No
34500	TraesCS6D03G0344300	1.32496	1.02789	UP	UP
34502	TraesCS6D03G0345200	0.93269	0.58935	Down	Down
34503	TraesCS6D03G0346200	1.09855	0.94372	No	No
34504	TraesCS6D03G0346300	1.2841	0.28989	Up	Down
34505	TraesCS6D03G0346600	1.06474	0.8913	No	No
34506	TraesCS6D03G0347000	0.87202	0.48307	Down	Down
34507	TraesCS6D03G0347100	0.80896	2.19757	Down	Up
34508	TraesCS6D03G0348400	0.97485	0.81514	Down	Down
34510	TraesCS6D03G0348700	0.73726	1.07859	No	No
34511	TraesCS6D03G0350100	0.93608	1.14215	No	No
34512	TraesCS6D03G0350200	1.20754	0.92466	No	No
34513	TraesCS6D03G0350400	0.68242	1.33101	No	No
34517	TraesCS6D03G0351300	0.84421	1.9047	No	No
34518	TraesCS6D03G0352100	4.65354	10.3681	Up	Up
34519	TraesCS6D03G0352200	1.92448	12.8749	Up	Up
34520	TraesCS6D03G0352700	0.578	3.63824	Down	Up
34521	TraesCS6D03G0352900	1.11373	16.8001	Up	Up
34522	TraesCS6D03G0353000	1.80973	12.3032	Up	Up
34523	TraesCS6D03G0353300	0.8445	3.81393	Down	Up
34524	TraesCS6D03G0353400	0.87523	0.30624	Down	Down
34525	TraesCS6D03G0354700	0.9223	0.73677	Down	Down
34526	TraesCS6D03G0354900	1.08084	1.17812	UP	UP
34529	TraesCS6D03G0355800	1.228	0.93207	No	No
34531	TraesCS6D03G0356100	0.81439	0.74096	Down	Down
34532	TraesCS6D03G0357300	1.09531	1.43982	UP	UP
34533	TraesCS6D03G0358100	1.03164	0.95783	No	No
34534	TraesCS6D03G0358200	0.79605	1.37939	No	No
34535	TraesCS6D03G0359000	1.40744	0.21903	Up	Down
34536	TraesCS6D03G0359900	1.09526	1.24668	UP	UP
34537	TraesCS6D03G0360700	1.19348	0.56509	No	No
34538	TraesCS6D03G0360900	1.02376	0.43802	Up	Down
34539	TraesCS6D03G0361000	1.05315	1.06369	UP	UP
34540	TraesCS6D03G0361700	0.94408	2.14117	Down	Up
34541	TraesCS6D03G0361900	0.88354	0.46786	Down	Down
34542	TraesCS6D03G0363100	4.78606	0.42113	Up	Down
34544	TraesCS6D03G0363400	0.36423	6.77284	Down	Up
34545	TraesCS6D03G0363700	0.8916	0.97322	Down	Down
34546	TraesCS6D03G0363900	1.17555	0.47243	Up	Down
34548	TraesCS6D03G0364800	1.30498	0.63916	No	No
34549	TraesCS6D03G0364900	1.28158	0.28468	Up	Down
34550	TraesCS6D03G0365400	1.70003	2.76929	Up	Up

34551	TraesCS6D03G0365900	2.00788	1.39298	Up	Up
34552	TraesCS6D03G0366000	1.03152	1.34441	UP	UP
34553	TraesCS6D03G0366100	0.93532	0.52404	Down	Down
34555	TraesCS6D03G0366800	0.99682	0.48059	Down	Down
34556	TraesCS6D03G0369700	0.65221	1.139	No	No
34557	TraesCS6D03G0369800	1.03855	0.56204	No	No
34558	TraesCS6D03G0370500	0.8549	1.79297	No	No
34559	TraesCS6D03G0370700	0.76298	1.85571	No	No
34560	TraesCS6D03G0371200	0.99742	0.98835	Down	Down
34561	TraesCS6D03G0371500	0.81512	1.53883	No	No
34562	TraesCS6D03G0372200	0.9896	0.87091	Down	Down
34563	TraesCS6D03G0373300	1.46775	4.18943	Up	Up
34564	TraesCS6D03G0373400	0.8128	1.09931	No	No
34565	TraesCS6D03G0374400	0.91403	1.42424	No	No
34566	TraesCS6D03G0374600	1.49948	0.76247	No	No
34567	TraesCS6D03G0374800	1.21605	0.87993	No	No
34568	TraesCS6D03G0374800	1.29534	0.38962	Up	Down
34569	TraesCS6D03G0375200	0.94294	1.02095	No	No
34570	TraesCS6D03G0375400	1.3647	1.15026	UP	UP
34571	TraesCS6D03G0376300	1.10897	0.02974	Up	Down
34572	TraesCS6D03G0376600	0.82551	1.21038	No	No
34573	TraesCS6D03G0376700	0.60379	0.99908	Down	Down
34574	TraesCS6D03G0377100	0.84169	0.9609	Down	Down
34575	TraesCS6D03G0377300	1.10148	0.77169	No	No
34576	TraesCS6D03G0379400	0.433	6.00987	Down	Up
34577	TraesCS6D03G0379800	1.06868	1.07424	UP	UP
34578	TraesCS6D03G0380200	1.24855	0.92174	No	No
34580	TraesCS6D03G0381800	1.26737	1.69187	UP	UP
34582	TraesCS6D03G0382100	0.66187	1.29081	No	No
34583	TraesCS6D03G0382800	1.24744	0.38043	Up	Down
34584	TraesCS6D03G0383000	1.02246	0.18393	Up	Down
34585	TraesCS6D03G0383900	1.25886	1.16108	UP	UP
34586	TraesCS6D03G0383900	1.64484	0.89056	No	No
34587	TraesCS6D03G0383900	0.68249	1.20673	No	No
34588	TraesCS6D03G0384400	0.81869	1.1379	No	No
34589	TraesCS6D03G0384500	0.92757	1.47273	No	No
34590	TraesCS6D03G0384900	0.81586	0.93827	Down	Down
34591	TraesCS6D03G0385000	1.14496	1.11982	UP	UP
34592	TraesCS6D03G0385200	0.9238	1.31103	No	No
34593	TraesCS6D03G0387100	1.07937	1.06554	UP	UP
34594	TraesCS6D03G0389100	1.02015	0.84996	No	No
34597	TraesCS6D03G0390600	1.14149	0.77641	No	No
34599	TraesCS6D03G0392200	0.61239	0.95048	Down	Down
34600	TraesCS6D03G0392300	1.27058	1.33023	UP	UP
34601	TraesCS6D03G0392400	1.23828	2.18021	Up	Up
34602	TraesCS6D03G0393000	0.99149	2.01424	Down	Up
34603	TraesCS6D03G0393300	1.26368	2.18495	Up	Up
34604	TraesCS6D03G0393400	0.80023	0.50637	Down	Down
34605	TraesCS6D03G0393800	1.38252	1.3077	UP	UP
34607	TraesCS6D03G0395300	1.22927	0.46931	Up	Down
34608	TraesCS6D03G0395800	0.88921	0.84253	Down	Down
34609	TraesCS6D03G0395800	1.3812	0.9593	No	No

34610	TraesCS6D03G0396500	2.65172	0.84944	Up	Down
34611	TraesCS6D03G0396800	1.34498	1.09986	UP	UP
34613	TraesCS6D03G0402200	1.47556	0.96265	No	No
34614	TraesCS6D03G0402500	0.72128	0.85946	Down	Down
34616	TraesCS6D03G0404100	0.97823	0.23916	Down	Down
34617	TraesCS6D03G0404200	0.89906	2.89527	Down	Up
34618	TraesCS6D03G0404800	1.44675	0.99252	No	No
34619	TraesCS6D03G0405000	0.58056	1.76904	No	No
34620	TraesCS6D03G0405600	0.84867	1.82428	No	No
34621	TraesCS6D03G0406600	1.30515	0.14317	Up	Down
34624	TraesCS6D03G0407400	1.0093	1.41968	UP	UP
34625	TraesCS6D03G0407900	1.06703	0.84734	No	No
34627	TraesCS6D03G0408300	1.60798	0.66667	No	No
34628	TraesCS6D03G0410000	0.89159	0.98303	Down	Down
34629	TraesCS6D03G0410900	0.93843	1.59896	No	No
34630	TraesCS6D03G0411400	1.19203	0.76863	No	No
34631	TraesCS6D03G0411400	0.60237	0.32619	Down	Down
34632	TraesCS6D03G0411600	1.52894	0.9663	No	No
34633	TraesCS6D03G0412300	0.88818	0.95413	Down	Down
34634	TraesCS6D03G0412400	1.31583	0.23423	Up	Down
34637	TraesCS6D03G0414400	2.28942	0.67816	Up	Down
34638	TraesCS6D03G0414600	0.89353	1.56721	No	No
34639	TraesCS6D03G0415900	1.12943	0.58165	No	No
34640	TraesCS6D03G0416400	1.73238	0.59853	No	No
34642	TraesCS6D03G0416900	1.18399	0.77265	No	No
34643	TraesCS6D03G0417600	0.86716	1.11826	No	No
34644	TraesCS6D03G0422000	1.25513	1.50763	UP	UP
34647	TraesCS6D03G0422700	1.54391	0.53333	No	No
34648	TraesCS6D03G0423000	0.57404	1.05774	No	No
34649	TraesCS6D03G0423200	0.98698	1.55604	No	No
34650	TraesCS6D03G0423400	1.26576	0.95221	No	No
34651	TraesCS6D03G0423800	0.69417	1.16087	No	No
34653	TraesCS6D03G0424400	0.9921	1.79359	No	No
34654	TraesCS6D03G0425200	1.35881	1.2172	UP	UP
34655	TraesCS6D03G0425500	1.18696	0.87094	No	No
34657	TraesCS6D03G0426000	1.36105	0.72162	No	No
34658	TraesCS6D03G0426800	0.76846	1.77628	No	No
34659	TraesCS6D03G0427200	1.20871	1.28738	UP	UP
34660	TraesCS6D03G0428100	1.05643	1.17021	UP	UP
34661	TraesCS6D03G0428600	1.00353	1.50854	UP	UP
34662	TraesCS6D03G0431300	0.87127	1.15339	No	No
34663	TraesCS6D03G0432400	1.24642	0.90428	No	No
34664	TraesCS6D03G0433400	1.30503	0.90043	No	No
34665	TraesCS6D03G0434300	0.53388	1.08504	No	No
34666	TraesCS6D03G0434400	0.85562	1.12764	No	No
34667	TraesCS6D03G0434500	0.99368	0.52332	Down	Down
34668	TraesCS6D03G0439000	0.96492	1.3019	No	No
34669	TraesCS6D03G0440200	1.16434	1.02716	UP	UP
34670	TraesCS6D03G0441100	0.92007	0.57715	Down	Down
34671	TraesCS6D03G0441600	0.8164	1.34873	No	No
34673	TraesCS6D03G0442200	0.8025	1.64587	No	No
34675	TraesCS6D03G0443300	1.015	0.58297	No	No

34676	TraesCS6D03G0443400	1.24081	3.1241	Up	Up
34677	TraesCS6D03G0443400	0.6449	0.49006	Down	Down
34678	TraesCS6D03G0444200	1.3419	0.53188	No	No
34679	TraesCS6D03G0444200	0.70822	0.51776	Down	Down
34681	TraesCS6D03G0445500	1.02836	1.67458	UP	UP
34683	TraesCS6D03G0446800	0.86961	1.95611	No	No
34685	TraesCS6D03G0447900	0.91069	0.64071	Down	Down
34687	TraesCS6D03G0448600	1.1028	1.05808	UP	UP
34689	TraesCS6D03G0450000	0.94929	3.14435	Down	Up
34691	TraesCS6D03G0450700	1.10082	0.51814	No	No
34692	TraesCS6D03G0450800	1.1431	0.8056	No	No
34693	TraesCS6D03G0453000	1.49074	0.94833	No	No
34694	TraesCS6D03G0454000	0.73429	1.05748	No	No
34696	TraesCS6D03G0454600	2.53048	0.66919	Up	Down
34697	TraesCS6D03G0454600	0.72358	1.44	No	No
34698	TraesCS6D03G0454600	1.05167	1.32979	UP	UP
34699	TraesCS6D03G0456000	0.82996	1.51145	No	No
34702	TraesCS6D03G0456700	0.98271	1.81872	No	No
34703	TraesCS6D03G0457500	0.91853	1.59065	No	No
34705	TraesCS6D03G0457800	0.93342	1.203	No	No
34706	TraesCS6D03G0458000	0.98983	0.93039	Down	Down
34707	TraesCS6D03G0458700	0.86341	1.40783	No	No
34708	TraesCS6D03G0459300	1.79338	1.43432	UP	UP
34711	TraesCS6D03G0462300	0.84575	0.41655	Down	Down
34712	TraesCS6D03G0462400	0.71581	1.3948	No	No
34713	TraesCS6D03G0462800	0.99711	1.14789	No	No
34714	TraesCS6D03G0463000	1.17558	0.69882	No	No
34715	TraesCS6D03G0463200	1.12135	0.58868	No	No
34716	TraesCS6D03G0463700	1.23976	1.20607	UP	UP
34717	TraesCS6D03G0463900	1.06176	1.72511	UP	UP
34718	TraesCS6D03G0464100	0.84967	1.12503	No	No
34719	TraesCS6D03G0464800	1.39277	1.52059	UP	UP
34720	TraesCS6D03G0465000	0.67427	1.77964	No	No
34722	TraesCS6D03G0465800	1.39505	1.1896	UP	UP
34723	TraesCS6D03G0466100	0.90638	1.05862	No	No
34726	TraesCS6D03G0467100	0.91192	1.33114	No	No
34727	TraesCS6D03G0467400	0.85191	1.71924	No	No
34731	TraesCS6D03G0470800	1.20067	2.63886	Up	Up
34732	TraesCS6D03G0471400	0.99636	0.45182	Down	Down
34734	TraesCS6D03G0472000	0.97745	1.07353	No	No
34735	TraesCS6D03G0472700	0.67516	1.0034	No	No
34736	TraesCS6D03G0472800	0.74451	1.42178	No	No
34737	TraesCS6D03G0473000	1.28893	1.68965	UP	UP
34738	TraesCS6D03G0473500	0.93433	0.88511	Down	Down
34740	TraesCS6D03G0473900	0.87695	2.3243	Down	Up
34741	TraesCS6D03G0474000	1.11498	1.85298	UP	UP
34742	TraesCS6D03G0474100	1.32873	0.92876	No	No
34744	TraesCS6D03G0474900	0.87077	1.44714	No	No
34745	TraesCS6D03G0475300	0.72457	0.27695	Down	Down
34747	TraesCS6D03G0476100	0.84048	1.43159	No	No
34748	TraesCS6D03G0476200	0.91947	0.55695	Down	Down
34749	TraesCS6D03G0476500	1.06159	1.08594	UP	UP

34750	TraesCS6D03G0476500	0.75336	0.49197	Down	Down
34751	TraesCS6D03G0476600	0.99002	1.22507	No	No
34752	TraesCS6D03G0477200	0.86514	2.04616	Down	Up
34753	TraesCS6D03G0478400	0.4188	3.5605	Down	Up
34754	TraesCS6D03G0479800	0.70798	0.62875	Down	Down
34755	TraesCS6D03G0479900	0.79409	0.91883	Down	Down
34756	TraesCS6D03G0480200	0.78074	0.36028	Down	Down
34757	TraesCS6D03G0480600	0.94546	1.46469	No	No
34758	TraesCS6D03G0480700	0.82481	0.36553	Down	Down
34759	TraesCS6D03G0480800	0.88338	1.02184	No	No
34760	TraesCS6D03G0481400	0.90136	1.27823	No	No
34761	TraesCS6D03G0481500	0.58411	1.34635	No	No
34762	TraesCS6D03G0481900	0.87763	1.12742	No	No
34763	TraesCS6D03G0482400	0.85306	0.85927	Down	Down
34764	TraesCS6D03G0483300	1.16408	0.69111	No	No
34765	TraesCS6D03G0483400	0.96992	2.00829	Down	Up
34766	TraesCS6D03G0483800	0.95396	1.98297	No	No
34767	TraesCS6D03G0483900	0.93347	1.20468	No	No
34768	TraesCS6D03G0484400	0.85147	1.4894	No	No
34769	TraesCS6D03G0484500	0.80363	0.55459	Down	Down
34770	TraesCS6D03G0484900	1.0468	0.78623	No	No
34771	TraesCS6D03G0485100	1.37426	0.57593	No	No
34772	TraesCS6D03G0485200	0.20667	0.88468	Down	Down
34773	TraesCS6D03G0485700	0.61214	1.40978	No	No
34774	TraesCS6D03G0486500	1.09151	1.08386	UP	UP
34776	TraesCS6D03G0486900	1.08829	0.59156	No	No
34780	TraesCS6D03G0488400	1.12066	0.22051	Up	Down
34781	TraesCS6D03G0489600	0.75652	1.36749	No	No
34782	TraesCS6D03G0490900	0.77926	0.11263	Down	Down
34783	TraesCS6D03G0491100	1.14716	0.48334	Up	Down
34784	TraesCS6D03G0491500	0.73485	0.71703	Down	Down
34785	TraesCS6D03G0491700	1.12874	1.79276	UP	UP
34786	TraesCS6D03G0492400	1.43379	1.02172	UP	UP
34787	TraesCS6D03G0492500	1.13635	1.28291	UP	UP
34789	TraesCS6D03G0492800	1.09137	1.6219	UP	UP
34790	TraesCS6D03G0493600	1.7223	0.2236	Up	Down
34791	TraesCS6D03G0493900	0.77558	1.04056	No	No
34792	TraesCS6D03G0494000	0.91269	1.14433	No	No
34793	TraesCS6D03G0494400	1.16815	4.33377	Up	Up
34795	TraesCS6D03G0497300	1.01765	1.32823	UP	UP
34798	TraesCS6D03G0498000	0.82445	0.80818	Down	Down
34799	TraesCS6D03G0502500	0.90498	1.14437	No	No
34801	TraesCS6D03G0503200	0.67621	3.70396	Down	Up
34802	TraesCS6D03G0503500	0.81314	1.62108	No	No
34803	TraesCS6D03G0503700	0.84973	1.67553	No	No
34804	TraesCS6D03G0503800	1.28618	0.92911	No	No
34805	TraesCS6D03G0504000	0.92226	0.99731	Down	Down
34806	TraesCS6D03G0504200	1.64324	1.5785	UP	UP
34807	TraesCS6D03G0504500	0.98107	0.57992	Down	Down
34808	TraesCS6D03G0504700	0.90919	0.94146	Down	Down
34809	TraesCS6D03G0504800	1.11249	0.47089	Up	Down
34810	TraesCS6D03G0504900	1.06935	0.72452	No	No

34811	TraesCS6D03G0505100	1.00381	1.07046	UP	UP
34812	TraesCS6D03G0505200	1.04851	1.12236	UP	UP
34813	TraesCS6D03G0505300	1.01535	1.48287	UP	UP
34814	TraesCS6D03G0505600	0.75279	2.03352	Down	Up
34815	TraesCS6D03G0505700	0.876	1.06835	No	No
34816	TraesCS6D03G0506000	0.69953	5.19074	Down	Up
34818	TraesCS6D03G0506400	1.0072	1.24374	UP	UP
34819	TraesCS6D03G0506700	0.93344	0.70531	Down	Down
34820	TraesCS6D03G0506800	0.78994	0.92758	Down	Down
34825	TraesCS6D03G0508100	1.04092	1.21405	UP	UP
34826	TraesCS6D03G0508400	0.9383	0.99603	Down	Down
34827	TraesCS6D03G0508500	0.79624	0.59804	Down	Down
34828	TraesCS6D03G0508900	0.94738	0.31924	Down	Down
34829	TraesCS6D03G0509200	1.70306	0.49806	Up	Down
34830	TraesCS6D03G0509800	0.91041	1.0368	No	No
34831	TraesCS6D03G0510500	0.71293	1.1874	No	No
34832	TraesCS6D03G0510600	1.13415	0.70924	No	No
34833	TraesCS6D03G0510800	0.99732	1.21708	No	No
34834	TraesCS6D03G0511100	0.91986	1.80775	No	No
34836	TraesCS6D03G0512100	0.63594	6.43561	Down	Up
34837	TraesCS6D03G0512200	0.72373	2.99252	Down	Up
34838	TraesCS6D03G0513800	1.41653	1.80242	UP	UP
34839	TraesCS6D03G0514500	0.63179	2.39304	Down	Up
34840	TraesCS6D03G0514700	1.064	1.09342	UP	UP
34841	TraesCS6D03G0514800	0.83281	1.02979	No	No
34842	TraesCS6D03G0516300	0.80728	1.00689	No	No
34843	TraesCS6D03G0518600	1.24924	1.5864	UP	UP
34844	TraesCS6D03G0519000	0.8318	1.44985	No	No
34845	TraesCS6D03G0519400	0.60989	1.35193	No	No
34846	TraesCS6D03G0519500	0.56116	1.43622	No	No
34847	TraesCS6D03G0519600	1.40337	1.00859	UP	UP
34848	TraesCS6D03G0521100	0.85348	0.50077	Down	Down
34849	TraesCS6D03G0521200	1.55867	0.63364	No	No
34850	TraesCS6D03G0521300	0.95204	0.43736	Down	Down
34851	TraesCS6D03G0521600	1.07605	0.69988	No	No
34853	TraesCS6D03G0524200	0.78326	6.19431	Down	Up
34854	TraesCS6D03G0524500	1.0289	0.47644	Up	Down
34855	TraesCS6D03G0524700	1.81775	0.5977	No	No
34856	TraesCS6D03G0525200	0.68861	1.38326	No	No
34860	TraesCS6D03G0528300	1.02007	1.65597	UP	UP
34861	TraesCS6D03G0528600	1.09581	1.36815	UP	UP
34862	TraesCS6D03G0530300	0.87133	0.75059	Down	Down
34863	TraesCS6D03G0530500	2.87035	0.64502	Up	Down
34864	TraesCS6D03G0530600	1.14323	1.05572	UP	UP
34866	TraesCS6D03G0531300	0.45279	0.49115	Down	Down
34867	TraesCS6D03G0531400	1.09346	0.87879	No	No
34868	TraesCS6D03G0531400	1.31441	0.74962	No	No
34869	TraesCS6D03G0531500	0.70564	1.48194	No	No
34870	TraesCS6D03G0531700	1.67669	2.18525	Up	Up
34871	TraesCS6D03G0531800	1.09726	1.31102	UP	UP
34872	TraesCS6D03G0531900	0.66607	2.22113	Down	Up
34873	TraesCS6D03G0532400	0.96113	2.12052	Down	Up

34874	TraesCS6D03G0532500	1.12987	2.42678	Up	Up
34875	TraesCS6D03G0532800	0.97397	0.91263	Down	Down
34876	TraesCS6D03G0533200	1.09012	1.35448	UP	UP
34877	TraesCS6D03G0533400	1.01422	0.12013	Up	Down
34878	TraesCS6D03G0533700	0.60966	1.0528	No	No
34879	TraesCS6D03G0533800	1.04855	0.48358	Up	Down
34880	TraesCS6D03G0534300	0.85621	1.47463	No	No
34882	TraesCS6D03G0535300	1.04452	1.26322	UP	UP
34883	TraesCS6D03G0536000	0.76397	0.33728	Down	Down
34884	TraesCS6D03G0536100	1.02705	1.79825	UP	UP
34885	TraesCS6D03G0536200	1.13106	1.07375	UP	UP
34886	TraesCS6D03G0536500	0.91049	1.14966	No	No
34887	TraesCS6D03G0536700	1.9223	1.61733	UP	UP
34888	TraesCS6D03G0537200	2.1939	0.90141	Up	Down
34889	TraesCS6D03G0538700	1.28693	0.56452	No	No
34890	TraesCS6D03G0538800	0.86367	0.24769	Down	Down
34891	TraesCS6D03G0539000	1.42404	0.35289	Up	Down
34893	TraesCS6D03G0539900	1.19704	1.53658	UP	UP
34894	TraesCS6D03G0540400	0.95874	0.33452	Down	Down
34895	TraesCS6D03G0541500	0.94507	0.85508	Down	Down
34896	TraesCS6D03G0541600	0.70624	2.01409	Down	Up
34897	TraesCS6D03G0541900	1.17463	0.792	No	No
34898	TraesCS6D03G0542400	0.77731	1.3427	No	No
34899	TraesCS6D03G0542900	0.90211	0.57362	Down	Down
34900	TraesCS6D03G0543200	0.76513	1.43102	No	No
34901	TraesCS6D03G0543500	0.35341	0.69151	Down	Down
34902	TraesCS6D03G0545500	1.36828	0.50939	No	No
34903	TraesCS6D03G0545600	1.12227	0.47571	Up	Down
34905	TraesCS6D03G0545900	0.17433	3.85476	Down	Up
34906	TraesCS6D03G0546000	1.14289	1.52319	UP	UP
34907	TraesCS6D03G0546700	0.99311	0.49874	Down	Down
34908	TraesCS6D03G0547700	0.91404	0.97716	Down	Down
34909	TraesCS6D03G0547800	0.89798	1.48115	No	No
34910	TraesCS6D03G0547900	1.14106	0.42082	Up	Down
34911	TraesCS6D03G0548200	0.73285	0.94293	Down	Down
34912	TraesCS6D03G0548300	1.24582	0.85071	No	No
34913	TraesCS6D03G0549000	1.15409	0.91007	No	No
34914	TraesCS6D03G0549200	0.7849	0.53155	Down	Down
34915	TraesCS6D03G0550300	0.80855	0.59202	Down	Down
34916	TraesCS6D03G0550500	0.65435	3.25587	Down	Up
34917	TraesCS6D03G0551100	0.99485	1.38941	No	No
34918	TraesCS6D03G0551100	1.3184	0.70519	No	No
34919	TraesCS6D03G0551600	0.76244	0.68692	Down	Down
34920	TraesCS6D03G0552000	0.91338	1.0459	No	No
34921	TraesCS6D03G0552200	0.89536	1.08978	No	No
34922	TraesCS6D03G0552400	0.70216	10.1805	Down	Up
34923	TraesCS6D03G0553100	0.71466	0.76009	Down	Down
34924	TraesCS6D03G0553200	1.14247	1.59482	UP	UP
34925	TraesCS6D03G0553300	1.12472	1.07165	UP	UP
34926	TraesCS6D03G0554200	0.83449	4.88557	Down	Up
34927	TraesCS6D03G0554900	1.00972	1.41163	UP	UP
34928	TraesCS6D03G0555200	0.82226	2.03813	Down	Up

34932	TraesCS6D03G0557600	0.8838	2.5385	Down	Up
34933	TraesCS6D03G0557700	0.85438	2.79445	Down	Up
34934	TraesCS6D03G0558100	0.58206	3.45876	Down	Up
34936	TraesCS6D03G0559000	0.72891	0.67199	Down	Down
34937	TraesCS6D03G0559200	0.87241	1.58109	No	No
34938	TraesCS6D03G0559800	0.4001	0.90844	Down	Down
34939	TraesCS6D03G0559800	1.02296	1.35227	UP	UP
34940	TraesCS6D03G0559900	1.04024	0.34954	Up	Down
34941	TraesCS6D03G0560800	1.16878	1.31208	UP	UP
34942	TraesCS6D03G0561900	1.11873	1.3305	UP	UP
34943	TraesCS6D03G0562100	0.85696	1.21736	No	No
34944	TraesCS6D03G0562800	0.87155	1.0208	No	No
34945	TraesCS6D03G0563400	0.75528	1.09063	No	No
34946	TraesCS6D03G0563700	0.82875	1.00449	No	No
34947	TraesCS6D03G0564600	0.76864	1.3049	No	No
34949	TraesCS6D03G0566700	1.01096	0.26731	Up	Down
34950	TraesCS6D03G0566900	1.14077	0.39426	Up	Down
34951	TraesCS6D03G0567000	1.16088	2.39843	Up	Up
34952	TraesCS6D03G0568100	0.82852	1.20521	No	No
34953	TraesCS6D03G0568600	1.08649	0.54228	No	No
34954	TraesCS6D03G0569200	0.94995	0.66762	Down	Down
34955	TraesCS6D03G0570100	0.53365	0.68009	Down	Down
34956	TraesCS6D03G0570200	1.8662	2.47086	Up	Up
34957	TraesCS6D03G0570700	0.93417	1.96586	No	No
34958	TraesCS6D03G0571800	0.7886	1.36156	No	No
34959	TraesCS6D03G0572400	0.83784	0.58564	Down	Down
34960	TraesCS6D03G0572700	0.87566	1.22398	No	No
34962	TraesCS6D03G0573700	1.14221	0.64137	No	No
34963	TraesCS6D03G0574400	0.91815	1.38341	No	No
34964	TraesCS6D03G0574600	0.35744	2.00637	Down	Up
34965	TraesCS6D03G0575400	1.10738	3.55368	Up	Up
34967	TraesCS6D03G0575600	0.68065	0.74074	Down	Down
34968	TraesCS6D03G0576500	0.85924	0.72407	Down	Down
34969	TraesCS6D03G0577000	1.36521	0.72143	No	No
34970	TraesCS6D03G0577200	0.96771	1.19793	No	No
34971	TraesCS6D03G0577400	0.53378	1.37213	No	No
34972	TraesCS6D03G0577800	1.33434	0.6169	No	No
34973	TraesCS6D03G0577900	0.91247	2.39254	Down	Up
34974	TraesCS6D03G0578400	1.27655	0.53059	No	No
34975	TraesCS6D03G0578500	0.78242	1.41393	No	No
34976	TraesCS6D03G0578700	0.93608	1.0251	No	No
34977	TraesCS6D03G0579300	0.80186	2.54912	Down	Up
34978	TraesCS6D03G0579400	0.98696	0.74381	Down	Down
34979	TraesCS6D03G0579500	0.86198	0.98686	Down	Down
34980	TraesCS6D03G0579900	0.99984	1.40132	No	No
34982	TraesCS6D03G0581200	1.24052	1.67503	UP	UP
34983	TraesCS6D03G0581600	1.29444	0.43477	Up	Down
34984	TraesCS6D03G0581700	1.07791	1.70312	UP	UP
34985	TraesCS6D03G0582600	0.90902	1.3139	No	No
34986	TraesCS6D03G0583600	1.49683	0.6612	No	No
34987	TraesCS6D03G0584200	0.99578	1.12924	No	No
34988	TraesCS6D03G0584400	0.87266	1.56462	No	No

34989	TraesCS6D03G0584900	1.06313	0.21803	Up	Down
34990	TraesCS6D03G0585400	0.663	2.67136	Down	Up
34991	TraesCS6D03G0586700	0.39791	15.3277	Down	Up
34993	TraesCS6D03G0587100	0.72727	1.68439	No	No
34994	TraesCS6D03G0587600	1.36304	0.41172	Up	Down
34996	TraesCS6D03G0588300	0.69554	1.60699	No	No
34997	TraesCS6D03G0588500	0.86436	0.95491	Down	Down
34998	TraesCS6D03G0589900	1.09466	1.29675	UP	UP
34999	TraesCS6D03G0590400	1.04823	0.70222	No	No
35000	TraesCS6D03G0590500	0.92575	1.62959	No	No
35001	TraesCS6D03G0591500	1.63329	1.86581	UP	UP
35002	TraesCS6D03G0591800	1.0592	2.53385	Up	Up
35004	TraesCS6D03G0592200	0.97787	0.77137	Down	Down
35006	TraesCS6D03G0593300	0.66364	0.54417	Down	Down
35007	TraesCS6D03G0593400	1.08429	1.42762	UP	UP
35008	TraesCS6D03G0593700	0.78028	1.83772	No	No
35009	TraesCS6D03G0594000	0.69087	1.7675	No	No
35010	TraesCS6D03G0594100	0.82253	1.46274	No	No
35011	TraesCS6D03G0594200	1.22693	0.97646	No	No
35012	TraesCS6D03G0594300	1.17467	0.70677	No	No
35013	TraesCS6D03G0594300	1.0741	1.17799	UP	UP
35014	TraesCS6D03G0595000	0.58581	2.16056	Down	Up
35015	TraesCS6D03G0595200	0.55893	2.10758	Down	Up
35016	TraesCS6D03G0595300	0.87714	0.77905	Down	Down
35018	TraesCS6D03G0595500	0.81308	1.30977	No	No
35019	TraesCS6D03G0596200	0.87562	1.78333	No	No
35020	TraesCS6D03G0596400	1.37047	1.19875	UP	UP
35021	TraesCS6D03G0596900	1.04149	3.74349	Up	Up
35022	TraesCS6D03G0597000	0.90705	0.57211	Down	Down
35023	TraesCS6D03G0597000	1.13741	0.81052	No	No
35024	TraesCS6D03G0597200	0.47879	6.32009	Down	Up
35025	TraesCS6D03G0597400	0.87894	0.87081	Down	Down
35026	TraesCS6D03G0597500	1.47309	0.47483	Up	Down
35027	TraesCS6D03G0598000	2.33884	3.31888	Up	Up
35028	TraesCS6D03G0598500	0.69444	1.00407	No	No
35029	TraesCS6D03G0598700	0.91884	2.04205	Down	Up
35030	TraesCS6D03G0598900	1.32162	0.27655	Up	Down
35031	TraesCS6D03G0599000	0.5555	1.08882	No	No
35032	TraesCS6D03G0599200	0.90859	1.05207	No	No
35033	TraesCS6D03G0599400	0.61113	5.71402	Down	Up
35034	TraesCS6D03G0599500	1.09933	0.25778	Up	Down
35035	TraesCS6D03G0600700	1.04102	3.48188	Up	Up
35036	TraesCS6D03G0600800	1.39397	0.11305	Up	Down
35037	TraesCS6D03G0601000	0.67431	1.02415	No	No
35038	TraesCS6D03G0603000	0.81806	1.55601	No	No
35041	TraesCS6D03G0603800	1.14916	0.56226	No	No
35042	TraesCS6D03G0604100	0.99196	0.89418	Down	Down
35043	TraesCS6D03G0604500	1.17948	2.97652	Up	Up
35044	TraesCS6D03G0605000	1.09896	0.82011	No	No
35045	TraesCS6D03G0605200	0.39909	1.89839	Down	Up
35046	TraesCS6D03G0605300	0.84084	0.62475	Down	Down
35047	TraesCS6D03G0606300	0.22855	6.43552	Down	Up

35048	TraesCS6D03G0607400	0.9433	1.27353	No	No
35049	TraesCS6D03G0607500	1.44882	0.84134	No	No
35050	TraesCS6D03G0607700	1.11888	0.21543	Up	Down
35051	TraesCS6D03G0607800	0.57826	1.78026	No	No
35052	TraesCS6D03G0608400	2.46029	0.04619	Up	Down
35053	TraesCS6D03G0609300	1.16408	0.88176	No	No
35054	TraesCS6D03G0609500	1.0668	0.58714	No	No
35055	TraesCS6D03G0609800	0.82909	0.78115	Down	Down
35056	TraesCS6D03G0609900	1.14586	0.46828	Up	Down
35057	TraesCS6D03G0610400	1.14787	0.10415	Up	Down
35058	TraesCS6D03G0610600	1.24304	0.89864	No	No
35059	TraesCS6D03G0610900	2.07327	0.90993	Up	Down
35060	TraesCS6D03G0611100	0.96861	1.24777	No	No
35061	TraesCS6D03G0611400	0.86847	1.20822	No	No
35062	TraesCS6D03G0611700	0.7377	1.21117	No	No
35063	TraesCS6D03G0612800	0.9987	0.49597	Down	Down
35064	TraesCS6D03G0613300	1.55402	1.39202	UP	UP
35066	TraesCS6D03G0613700	0.97274	0.95965	Down	Down
35067	TraesCS6D03G0614000	0.69566	1.60802	No	No
35068	TraesCS6D03G0614200	0.91734	1.61438	No	No
35071	TraesCS6D03G0614600	0.52325	0.94074	Down	Down
35072	TraesCS6D03G0615700	0.94923	0.92954	Down	Down
35073	TraesCS6D03G0615900	0.78483	1.4361	No	No
35074	TraesCS6D03G0616400	1.28315	1.01116	UP	UP
35079	TraesCS6D03G0617000	1.03579	1.01073	UP	UP
35080	TraesCS6D03G0617500	0.70291	0.81289	Down	Down
35081	TraesCS6D03G0617600	1.02974	0.8567	No	No
35082	TraesCS6D03G0618800	0.95138	1.67232	No	No
35083	TraesCS6D03G0619300	1.03627	0.59344	No	No
35085	TraesCS6D03G0619500	0.64126	5.70794	Down	Up
35086	TraesCS6D03G0620300	0.74648	0.21936	Down	Down
35087	TraesCS6D03G0621300	0.55791	1.17055	No	No
35088	TraesCS6D03G0622700	0.78269	1.17802	No	No
35090	TraesCS6D03G0624200	0.96377	0.71383	Down	Down
35091	TraesCS6D03G0625300	1.15759	0.80575	No	No
35092	TraesCS6D03G0625400	0.84383	1.63461	No	No
35093	TraesCS6D03G0625500	0.78604	0.64901	Down	Down
35094	TraesCS6D03G0625800	0.83198	0.9034	Down	Down
35095	TraesCS6D03G0626000	1.1126	4.04226	Up	Up
35098	TraesCS6D03G0627300	1.05734	0.60457	No	No
35099	TraesCS6D03G0628400	0.93063	1.51597	No	No
35100	TraesCS6D03G0628500	1.50823	0.59124	No	No
35101	TraesCS6D03G0628700	0.80535	0.74868	Down	Down
35102	TraesCS6D03G0630100	1.59498	0.93846	No	No
35103	TraesCS6D03G0630200	1.03776	0.84558	No	No
35104	TraesCS6D03G0632800	0.71101	3.33209	Down	Up
35105	TraesCS6D03G0632900	0.8189	1.07074	No	No
35106	TraesCS6D03G0633600	0.56374	1.67202	No	No
35107	TraesCS6D03G0633800	0.781	1.30932	No	No
35109	TraesCS6D03G0634100	0.95074	0.61437	Down	Down
35110	TraesCS6D03G0634300	0.92447	1.23229	No	No
35111	TraesCS6D03G0634700	0.88376	2.05504	Down	Up

35112	TraesCS6D03G0634900	1.04025	0.54411	No	No
35113	TraesCS6D03G0635100	0.8161	0.82492	Down	Down
35115	TraesCS6D03G0635500	0.26327	2.2004	Down	Up
35116	TraesCS6D03G0635600	0.98708	0.84773	Down	Down
35117	TraesCS6D03G0636200	1.10296	1.1179	UP	UP
35118	TraesCS6D03G0637300	0.37461	15.5256	Down	Up
35119	TraesCS6D03G0637500	1.94435	0.85319	No	No
35120	TraesCS6D03G0637800	0.79804	0.99968	Down	Down
35121	TraesCS6D03G0638800	1.00566	0.67892	No	No
35122	TraesCS6D03G0639000	1.04517	1.82117	UP	UP
35123	TraesCS6D03G0639500	0.92395	3.11098	Down	Up
35124	TraesCS6D03G0640100	0.96348	1.08785	No	No
35125	TraesCS6D03G0640800	0.77534	4.7774	Down	Up
35126	TraesCS6D03G0641100	1.32344	1.1724	UP	UP
35127	TraesCS6D03G0641300	1.011	0.91174	No	No
35128	TraesCS6D03G0641900	1.10234	0.9866	No	No
35129	TraesCS6D03G0641900	1.18713	1.34231	UP	UP
35130	TraesCS6D03G0642100	0.84124	1.17297	No	No
35131	TraesCS6D03G0642600	1.08268	0.29868	Up	Down
35132	TraesCS6D03G0643300	1.2085	1.23079	UP	UP
35133	TraesCS6D03G0643500	0.81416	0.80227	Down	Down
35134	TraesCS6D03G0643700	0.8164	1.05598	No	No
35135	TraesCS6D03G0643800	0.94632	0.35008	Down	Down
35136	TraesCS6D03G0643900	1.29427	1.9701	UP	UP
35137	TraesCS6D03G0645000	0.8096	0.30335	Down	Down
35138	TraesCS6D03G0645300	0.80764	1.91627	No	No
35139	TraesCS6D03G0645700	0.8424	0.54558	Down	Down
35140	TraesCS6D03G0646900	0.95366	0.87778	Down	Down
35141	TraesCS6D03G0647000	0.52977	1.30053	No	No
35142	TraesCS6D03G0647800	0.9668	0.51813	Down	Down
35143	TraesCS6D03G0647900	0.66334	1.40991	No	No
35144	TraesCS6D03G0648000	0.87906	0.84607	Down	Down
35146	TraesCS6D03G0648500	0.83998	0.9714	Down	Down
35147	TraesCS6D03G0648800	0.80238	1.14299	No	No
35150	TraesCS6D03G0650600	1.07492	1.22702	UP	UP
35151	TraesCS6D03G0651100	1.19711	0.32872	Up	Down
35152	TraesCS6D03G0651200	0.66928	0.9765	Down	Down
35153	TraesCS6D03G0651200	1.10013	0.83432	No	No
35154	TraesCS6D03G0651900	0.94485	1.38901	No	No
35155	TraesCS6D03G0652000	0.84774	1.38586	No	No
35156	TraesCS6D03G0652700	0.73133	1.14309	No	No
35157	TraesCS6D03G0652800	1.2455	1.67179	UP	UP
35158	TraesCS6D03G0653000	0.45767	0.30755	Down	Down
35159	TraesCS6D03G0653000	0.96724	2.87545	Down	Up
35160	TraesCS6D03G0653300	0.89741	0.64289	Down	Down
35161	TraesCS6D03G0653300	1.02237	1.06555	UP	UP
35163	TraesCS6D03G0654400	0.37602	0.90404	Down	Down
35164	TraesCS6D03G0654800	1.24517	4.23272	Up	Up
35165	TraesCS6D03G0654900	1.13949	0.29284	Up	Down
35166	TraesCS6D03G0654900	1.63122	0.49349	Up	Down
35167	TraesCS6D03G0655000	1.26326	0.97201	No	No
35168	TraesCS6D03G0655300	1.56564	0.53187	No	No

35169	TraesCS6D03G0655300	0.92769	0.27074	Down	Down
35170	TraesCS6D03G0656200	1.01252	0.92728	No	No
35171	TraesCS6D03G0656500	1.0298	1.28413	UP	UP
35172	TraesCS6D03G0656900	1.2039	1.31391	UP	UP
35175	TraesCS6D03G0658100	0.87997	0.18899	Down	Down
35176	TraesCS6D03G0659200	1.20123	1.43777	UP	UP
35177	TraesCS6D03G0659400	1.79726	1.65282	UP	UP
35179	TraesCS6D03G0660400	1.11041	0.94536	No	No
35180	TraesCS6D03G0660500	0.89591	4.04115	Down	Up
35181	TraesCS6D03G0661300	0.7158	1.80205	No	No
35182	TraesCS6D03G0661800	1.43277	1.07284	UP	UP
35183	TraesCS6D03G0661900	1.00832	0.69067	No	No
35184	TraesCS6D03G0662000	1.0374	1.23712	UP	UP
35186	TraesCS6D03G0662200	1.0344	1.05777	UP	UP
35187	TraesCS6D03G0662500	1.17406	1.30198	UP	UP
35188	TraesCS6D03G0662700	0.85595	1.32579	No	No
35189	TraesCS6D03G0663800	1.19145	1.97185	UP	UP
35190	TraesCS6D03G0664000	1.08243	1.3399	UP	UP
35192	TraesCS6D03G0664700	0.84747	1.45486	No	No
35194	TraesCS6D03G0666000	0.5733	3.79816	Down	Up
35195	TraesCS6D03G0666200	0.90741	1.56445	No	No
35196	TraesCS6D03G0666500	0.78587	0.57622	Down	Down
35197	TraesCS6D03G0666600	0.85617	1.02674	No	No
35198	TraesCS6D03G0666700	1.14213	0.73436	No	No
35199	TraesCS6D03G0667200	1.34157	0.37395	Up	Down
35200	TraesCS6D03G0667300	0.84572	1.4358	No	No
35201	TraesCS6D03G0667900	1.21278	0.69953	No	No
35202	TraesCS6D03G0670400	1.1	1.4788	UP	UP
35203	TraesCS6D03G0670700	0.86566	0.25643	Down	Down
35204	TraesCS6D03G0670800	0.74264	1.04277	No	No
35205	TraesCS6D03G0671500	0.70408	0.84969	Down	Down
35206	TraesCS6D03G0671500	1.88047	0.83498	No	No
35207	TraesCS6D03G0671600	0.78775	1.47833	No	No
35208	TraesCS6D03G0671800	1.09896	0.45577	Up	Down
35209	TraesCS6D03G0672500	0.95622	0.55285	Down	Down
35211	TraesCS6D03G0674700	0.95472	2.07846	Down	Up
35212	TraesCS6D03G0674800	1.11087	0.45199	Up	Down
35213	TraesCS6D03G0675200	1.06768	0.97062	No	No
35214	TraesCS6D03G0675400	0.714	2.63255	Down	Up
35215	TraesCS6D03G0675500	0.75997	2.2786	Down	Up
35216	TraesCS6D03G0675900	0.80841	1.04724	No	No
35218	TraesCS6D03G0677100	0.87643	1.39368	No	No
35219	TraesCS6D03G0677300	0.63674	1.09664	No	No
35220	TraesCS6D03G0677600	1.15598	0.60974	No	No
35221	TraesCS6D03G0678300	0.99129	1.56368	No	No
35222	TraesCS6D03G0678600	1.51912	2.00502	UP	UP
35223	TraesCS6D03G0678900	1.10352	1.75222	UP	UP
35224	TraesCS6D03G0679600	0.59769	1.47567	No	No
35225	TraesCS6D03G0680700	0.8499	0.15352	Down	Down
35226	TraesCS6D03G0680800	1.05069	0.40847	Up	Down
35227	TraesCS6D03G0681200	0.97571	0.63636	Down	Down
35228	TraesCS6D03G0681300	1.07104	0.37968	Up	Down

35229	TraesCS6D03G0681800	0.90317	1.26876	No	No
35230	TraesCS6D03G0682500	0.6479	1.37628	No	No
35231	TraesCS6D03G0682700	1.26796	1.08413	UP	UP
35232	TraesCS6D03G0683300	0.45364	7.53728	Down	Up
35233	TraesCS6D03G0683500	1.14668	0.88679	No	No
35234	TraesCS6D03G0683700	0.75581	1.43208	No	No
35235	TraesCS6D03G0683800	0.66862	0.63456	Down	Down
35236	TraesCS6D03G0684000	0.8992	1.15017	No	No
35237	TraesCS6D03G0684100	0.81841	1.03394	No	No
35238	TraesCS6D03G0684200	0.7416	1.38886	No	No
35239	TraesCS6D03G0684700	1.26123	0.52299	No	No
35240	TraesCS6D03G0684800	0.90468	0.9486	Down	Down
35241	TraesCS6D03G0685000	1.10297	1.59014	UP	UP
35242	TraesCS6D03G0685400	0.8335	1.04962	No	No
35243	TraesCS6D03G0685500	0.96537	1.53097	No	No
35244	TraesCS6D03G0686800	0.90638	1.06234	No	No
35245	TraesCS6D03G0687600	1.06071	0.86642	No	No
35246	TraesCS6D03G0688300	0.62696	0.99394	Down	Down
35247	TraesCS6D03G0688600	0.60003	2.58567	Down	Up
35248	TraesCS6D03G0689000	1.20019	0.41634	Up	Down
35249	TraesCS6D03G0689300	1.32625	0.35907	Up	Down
35250	TraesCS6D03G0689300	2.22253	0.27523	Up	Down
35251	TraesCS6D03G0689500	0.65504	2.28401	Down	Up
35252	TraesCS6D03G0689600	0.53015	3.60401	Down	Up
35253	TraesCS6D03G0689700	1.24047	1.21382	UP	UP
35254	TraesCS6D03G0691300	1.41499	1.64048	UP	UP
35255	TraesCS6D03G0691400	0.89284	0.36905	Down	Down
35256	TraesCS6D03G0692500	1.04167	1.03212	UP	UP
35257	TraesCS6D03G0692600	0.9836	1.26203	No	No
35258	TraesCS6D03G0692700	1.05247	1.90967	UP	UP
35260	TraesCS6D03G0692900	0.84627	1.16123	No	No
35262	TraesCS6D03G0693400	0.68387	0.75188	Down	Down
35263	TraesCS6D03G0693500	0.74391	0.82195	Down	Down
35264	TraesCS6D03G0693700	0.94907	2.00723	Down	Up
35265	TraesCS6D03G0694100	1.01454	0.78433	No	No
35266	TraesCS6D03G0694200	0.87687	1.36446	No	No
35267	TraesCS6D03G0694500	0.94389	2.49659	Down	Up
35268	TraesCS6D03G0696000	0.88873	2.04068	Down	Up
35269	TraesCS6D03G0696600	1.13719	1.47603	UP	UP
35270	TraesCS6D03G0697200	0.94895	0.98838	Down	Down
35272	TraesCS6D03G0698800	0.1568	0.68507	Down	Down
35273	TraesCS6D03G0699000	0.49668	1.27284	Down	Up
35274	TraesCS6D03G0700400	0.78557	1.41885	No	No
35275	TraesCS6D03G0700600	1.25311	0.28216	Up	Down
35276	TraesCS6D03G0701100	0.83629	0.42956	Down	Down
35277	TraesCS6D03G0701400	0.80888	0.61458	Down	Down
35278	TraesCS6D03G0702400	1.00424	0.54671	No	No
35279	TraesCS6D03G0702700	1.32025	0.93342	No	No
35280	TraesCS6D03G0703100	0.97976	3.51012	Down	Up
35281	TraesCS6D03G0703500	0.84168	2.65355	Down	Up
35282	TraesCS6D03G0703600	1.9046	0.58952	No	No
35283	TraesCS6D03G0703900	1.6827	3.46179	Up	Up

35284	TraesCS6D03G0705200	0.95386	1.2077	No	No
35285	TraesCS6D03G0705600	1.1254	0.65141	No	No
35286	TraesCS6D03G0705700	1.01181	0.77883	No	No
35287	TraesCS6D03G0706800	4.24967	1.56197	Up	Up
35288	TraesCS6D03G0707000	1.13812	1.0947	UP	UP
35289	TraesCS6D03G0707100	0.88208	1.22485	No	No
35290	TraesCS6D03G0707700	0.93652	0.91762	Down	Down
35291	TraesCS6D03G0707900	0.96691	0.63817	Down	Down
35292	TraesCS6D03G0708800	1.06985	1.84605	UP	UP
35293	TraesCS6D03G0708900	0.88268	0.36939	Down	Down
35294	TraesCS6D03G0709300	1.11572	0.71613	No	No
35296	TraesCS6D03G0709700	0.75326	0.48205	Down	Down
35297	TraesCS6D03G0712500	0.82531	1.48857	No	No
35298	TraesCS6D03G0713700	4.19767	0.6523	Up	Down
35299	TraesCS6D03G0714300	0.52729	0.51697	Down	Down
35300	TraesCS6D03G0714400	0.84464	0.45978	Down	Down
35301	TraesCS6D03G0715300	0.81012	1.55352	No	No
35303	TraesCS6D03G0717800	0.80936	1.20835	No	No
35304	TraesCS6D03G0718300	0.85643	1.43039	No	No
35305	TraesCS6D03G0719000	1.15557	0.61574	No	No
35307	TraesCS6D03G0720300	0.97391	1.15428	No	No
35308	TraesCS6D03G0721000	1.20833	1.097	UP	UP
35309	TraesCS6D03G0722100	0.91576	1.49575	No	No
35310	TraesCS6D03G0722900	1.3671	1.60254	UP	UP
35311	TraesCS6D03G0723100	1.07988	1.14196	UP	UP
35312	TraesCS6D03G0723300	0.99858	2.37158	Down	Up
35313	TraesCS6D03G0724000	0.86407	1.56422	No	No
35314	TraesCS6D03G0724500	2.26951	0.27224	Up	Down
35315	TraesCS6D03G0725100	0.9377	1.21788	No	No
35316	TraesCS6D03G0725300	0.73042	0.72053	Down	Down
35317	TraesCS6D03G0725700	0.82379	0.97586	Down	Down
35318	TraesCS6D03G0726200	1.05079	1.87029	UP	UP
35320	TraesCS6D03G0728100	0.99978	0.96843	Down	Down
35321	TraesCS6D03G0729100	0.95676	0.45722	Down	Down
35322	TraesCS6D03G0729200	1.18219	2.12398	Up	Up
35323	TraesCS6D03G0729600	0.95942	0.28712	Down	Down
35324	TraesCS6D03G0729700	1.39961	0.55722	No	No
35325	TraesCS6D03G0729900	0.98685	1.37123	No	No
35326	TraesCS6D03G0730400	0.89877	1.66264	No	No
35327	TraesCS6D03G0731400	1.20945	1.40904	UP	UP
35328	TraesCS6D03G0731500	0.64689	3.66086	Down	Up
35329	TraesCS6D03G0733600	0.85644	1.19044	No	No
35331	TraesCS6D03G0733800	1.94712	0.32154	Up	Down
35332	TraesCS6D03G0734400	0.91969	0.52908	Down	Down
35333	TraesCS6D03G0736000	1.08184	1.46544	UP	UP
35338	TraesCS6D03G0738100	1.05803	0.88189	No	No
35339	TraesCS6D03G0738200	0.88695	4.9421	Down	Up
35340	TraesCS6D03G0739800	0.63662	0.85967	Down	Down
35341	TraesCS6D03G0739900	1.21432	0.88361	No	No
35342	TraesCS6D03G0740000	1.45827	1.31059	UP	UP
35343	TraesCS6D03G0740500	0.9393	0.25136	Down	Down
35344	TraesCS6D03G0740700	0.776	0.72337	Down	Down

35345	TraesCS6D03G0741300	0.80923	0.84679	Down	Down
35347	TraesCS6D03G0742000	0.62022	1.41174	No	No
35348	TraesCS6D03G0743300	1.03323	0.72444	No	No
35349	TraesCS6D03G0743500	0.96396	1.45002	No	No
35350	TraesCS6D03G0744800	1.52448	0.45129	Up	Down
35353	TraesCS6D03G0746800	0.94834	1.03198	No	No
35354	TraesCS6D03G0747400	0.76139	1.29047	No	No
35355	TraesCS6D03G0748600	0.86297	0.86824	Down	Down
35356	TraesCS6D03G0748700	1.13542	1.98073	UP	UP
35357	TraesCS6D03G0748900	1.27693	1.03448	UP	UP
35359	TraesCS6D03G0749100	0.7657	1.13689	No	No
35360	TraesCS6D03G0749500	1.25472	0.88537	No	No
35362	TraesCS6D03G0751400	0.85012	0.98178	Down	Down
35363	TraesCS6D03G0752000	1.22901	3.07397	Up	Up
35364	TraesCS6D03G0754900	1.03289	0.97108	No	No
35367	TraesCS6D03G0756400	1.09917	0.83192	No	No
35368	TraesCS6D03G0758600	0.63063	2.21561	Down	Up
35369	TraesCS6D03G0760500	1.98097	0.74649	No	No
35372	TraesCS6D03G0763100	1.15554	0.81917	No	No
35373	TraesCS6D03G0763500	0.83268	1.66142	No	No
35374	TraesCS6D03G0763600	0.7275	0.87683	Down	Down
35375	TraesCS6D03G0764000	0.66679	1.26831	No	No
35376	TraesCS6D03G0764500	1.01246	1.42894	UP	UP
35377	TraesCS6D03G0764900	1.31337	0.4386	Up	Down
35378	TraesCS6D03G0765500	1.16133	0.88335	No	No
35379	TraesCS6D03G0766400	0.84131	1.00812	No	No
35380	TraesCS6D03G0766600	0.33792	1.16482	Down	Up
35381	TraesCS6D03G0767100	0.80888	0.43569	Down	Down
35382	TraesCS6D03G0769300	0.5245	4.00775	Down	Up
35383	TraesCS6D03G0769700	1.01463	0.92519	No	No
35384	TraesCS6D03G0769800	0.9444	2.15621	Down	Up
35385	TraesCS6D03G0769900	0.59353	3.88306	Down	Up
35387	TraesCS6D03G0770200	0.69958	0.94545	Down	Down
35388	TraesCS6D03G0770300	0.92362	1.22807	No	No
35389	TraesCS6D03G0770600	1.78618	0.70794	No	No
35390	TraesCS6D03G0770900	0.66769	1.89685	No	No
35391	TraesCS6D03G0771200	0.77644	2.89777	Down	Up
35392	TraesCS6D03G0771300	1.31864	0.68881	No	No
35393	TraesCS6D03G0771500	1.00581	1.36252	UP	UP
35394	TraesCS6D03G0771700	0.85359	2.08139	Down	Up
35395	TraesCS6D03G0771700	0.69641	2.99547	Down	Up
35396	TraesCS6D03G0771900	0.84062	1.116	No	No
35397	TraesCS6D03G0772700	2.06363	0.12244	Up	Down
35398	TraesCS6D03G0774700	0.37388	5.59527	Down	Up
35399	TraesCS6D03G0775000	1.04112	0.96989	No	No
35401	TraesCS6D03G0776600	0.9992	1.18275	No	No
35403	TraesCS6D03G0777600	0.9197	2.28636	Down	Up
35404	TraesCS6D03G0777800	0.73597	0.67841	Down	Down
35406	TraesCS6D03G0778600	0.67312	3.98411	Down	Up
35407	TraesCS6D03G0779400	1.23803	1.4056	UP	UP
35408	TraesCS6D03G0780300	1.36323	1.21272	UP	UP
35409	TraesCS6D03G0780500	0.64358	1.00996	No	No

35410	TraesCS6D03G0780700	0.91356	0.83915	Down	Down
35411	TraesCS6D03G0781200	1.084	1.27511	UP	UP
35412	TraesCS6D03G0781300	0.88664	1.93882	No	No
35413	TraesCS6D03G0782100	1.31204	0.22312	Up	Down
35414	TraesCS6D03G0782200	0.73035	0.56018	Down	Down
35415	TraesCS6D03G0782500	1.11281	0.90276	No	No
35417	TraesCS6D03G0783200	1.08792	0.56192	No	No
35420	TraesCS6D03G0785800	1.29885	0.53421	No	No
35421	TraesCS6D03G0786700	0.74439	1.36918	No	No
35422	TraesCS6D03G0786800	0.93264	1.37592	No	No
35423	TraesCS6D03G0787100	1.15838	0.84483	No	No
35424	TraesCS6D03G0789500	1.07483	0.55471	No	No
35425	TraesCS6D03G0789900	1.04363	1.52857	UP	UP
35426	TraesCS6D03G0790700	1.04025	1.43844	UP	UP
35427	TraesCS6D03G0791000	0.95032	0.89318	Down	Down
35429	TraesCS6D03G0791200	1.05374	1.07093	UP	UP
35433	TraesCS6D03G0792700	1.37117	0.56889	No	No
35434	TraesCS6D03G0794100	1.65009	0.72332	No	No
35435	TraesCS6D03G0794200	0.99789	0.61929	Down	Down
35436	TraesCS6D03G0794300	0.97199	1.06649	No	No
35439	TraesCS6D03G0797000	0.76527	1.17655	No	No
35440	TraesCS6D03G0797300	0.67679	1.74568	No	No
35441	TraesCS6D03G0797400	0.69244	6.25788	Down	Up
35442	TraesCS6D03G0797600	1.07584	2.13013	Up	Up
35443	TraesCS6D03G0799300	1.606	0.39288	Up	Down
35444	TraesCS6D03G0799300	1.62035	0.3895	Up	Down
35445	TraesCS6D03G0801300	0.56236	1.72293	No	No
35447	TraesCS6D03G0802900	1.12915	7.58834	Up	Up
35448	TraesCS6D03G0803200	0.44437	6.10477	Down	Up
35450	TraesCS6D03G0806000	0.63646	1.94575	No	No
35451	TraesCS6D03G0807000	0.87795	1.46853	No	No
35453	TraesCS6D03G0808400	0.95681	0.7036	Down	Down
35454	TraesCS6D03G0808700	0.84252	0.62648	Down	Down
35455	TraesCS6D03G0808900	0.49387	0.35644	Down	Down
35457	TraesCS6D03G0809200	0.83172	0.81967	Down	Down
35458	TraesCS6D03G0809600	1.14647	0.40987	Up	Down
35460	TraesCS6D03G0809900	0.92947	0.78521	Down	Down
35461	TraesCS6D03G0810100	0.78309	1.53756	No	No
35462	TraesCS6D03G0810500	1.06486	0.74278	No	No
35463	TraesCS6D03G0810800	1.11214	0.56645	No	No
35464	TraesCS6D03G0810900	0.8684	0.76129	Down	Down
35465	TraesCS6D03G0811000	0.81375	1.10871	No	No
35467	TraesCS6D03G0812400	1.09176	1.04604	UP	UP
35468	TraesCS6D03G0812500	0.4775	1.11825	Down	Up
35469	TraesCS6D03G0814100	0.66043	1.0616	No	No
35470	TraesCS6D03G0814200	0.77701	0.71042	Down	Down
35471	TraesCS6D03G0814300	1.21285	1.84503	UP	UP
35472	TraesCS6D03G0814400	0.82826	1.08318	No	No
35473	TraesCS6D03G0814500	0.90865	0.9618	Down	Down
35475	TraesCS6D03G0816000	1.37782	1.6883	UP	UP
35477	TraesCS6D03G0818300	1.33037	3.06308	Up	Up
35478	TraesCS6D03G0818400	1.15405	1.07833	UP	UP

35479	TraesCS6D03G0819500	0.7458	1.26588	No	No
35480	TraesCS6D03G0819700	0.94111	0.32234	Down	Down
35481	TraesCS6D03G0822700	1.28334	1.30881	UP	UP
35482	TraesCS6D03G0822900	1.2372	0.326	Up	Down
35483	TraesCS6D03G0823200	0.8174	1.40631	No	No
35484	TraesCS6D03G0824500	0.54842	0.44278	Down	Down
35485	TraesCS6D03G0824600	0.81232	0.85638	Down	Down
35486	TraesCS6D03G0826900	1.06403	1.1239	UP	UP
35487	TraesCS6D03G0827000	1.79465	0.76515	No	No
35488	TraesCS6D03G0827100	1.08074	1.48683	UP	UP
35489	TraesCS6D03G0827200	0.65608	2.00084	Down	Up
35490	TraesCS6D03G0827500	1.13353	0.33098	Up	Down
35491	TraesCS6D03G0828600	1.03544	1.54882	UP	UP
35492	TraesCS6D03G0828700	1.08998	2.69879	Up	Up
35493	TraesCS6D03G0829000	0.77531	0.75821	Down	Down
35494	TraesCS6D03G0829200	1.83084	0.48175	Up	Down
35495	TraesCS6D03G0829500	0.95733	1.15948	No	No
35496	TraesCS6D03G0830000	0.37466	20.4205	Down	Up
35497	TraesCS6D03G0831200	0.96167	1.75003	No	No
35498	TraesCS6D03G0831300	0.81856	0.80785	Down	Down
35499	TraesCS6D03G0832000	1.35717	1.58485	UP	UP
35500	TraesCS6D03G0832100	0.81962	1.26845	No	No
35501	TraesCS6D03G0832200	0.99777	1.75776	No	No
35502	TraesCS6D03G0833200	0.50613	2.92642	Down	Up
35503	TraesCS6D03G0833700	0.3964	2.92636	Down	Up
35504	TraesCS6D03G0834200	1.79399	0.27331	Up	Down
35505	TraesCS6D03G0834400	1.60929	1.38986	UP	UP
35507	TraesCS6D03G0835400	0.74465	0.78596	Down	Down
35508	TraesCS6D03G0836700	1.02239	0.70609	No	No
35509	TraesCS6D03G0836900	0.78659	2.29722	Down	Up
35510	TraesCS6D03G0837000	1.02645	0.94198	No	No
35511	TraesCS6D03G0839000	0.47474	3.30797	Down	Up
35512	TraesCS6D03G0840500	0.85809	2.05221	Down	Up
35514	TraesCS6D03G0842200	1.02137	0.66064	No	No
35516	TraesCS6D03G0843700	0.79393	2.04387	Down	Up
35517	TraesCS6D03G0843800	1.00892	6.69297	Up	Up
35518	TraesCS6D03G0843900	1.38039	1.32675	UP	UP
35519	TraesCS6D03G0847200	0.79521	0.64659	Down	Down
35521	TraesCS6D03G0847600	0.94608	0.66264	Down	Down
35522	TraesCS6D03G0847700	0.76474	0.70088	Down	Down
35523	TraesCS6D03G0848800	0.93201	1.23002	No	No
35525	TraesCS6D03G0850600	1.01646	0.82619	No	No
35526	TraesCS6D03G0850800	0.60736	2.10446	Down	Up
35527	TraesCS6D03G0851000	0.87783	0.70885	Down	Down
35528	TraesCS6D03G0851100	0.88702	1.29673	No	No
35529	TraesCS6D03G0851600	0.75807	2.84112	Down	Up
35530	TraesCS6D03G0852700	0.85253	0.81665	Down	Down
35531	TraesCS6D03G0853000	0.97274	0.55916	Down	Down
35532	TraesCS6D03G0853100	1.04587	1.85359	UP	UP
35534	TraesCS6D03G0853700	1.18026	0.63184	No	No
35536	TraesCS6D03G0854200	1.20298	0.17889	Up	Down
35537	TraesCS6D03G0854300	1.33736	0.21317	Up	Down

35538	TraesCS6D03G0854400	0.77238	0.3609	Down	Down
35539	TraesCS6D03G0854500	1.06799	1.71152	UP	UP
35540	TraesCS6D03G0854600	1.0205	0.94836	No	No
35541	TraesCS6D03G0855200	1.21645	1.85908	UP	UP
35542	TraesCS6D03G0856400	1.16093	0.82321	No	No
35543	TraesCS6D03G0857100	1.02055	1.71649	UP	UP
35544	TraesCS6D03G0862100	0.97809	0.44075	Down	Down
35545	TraesCS6D03G0862300	0.83241	0.82329	Down	Down
35546	TraesCS6D03G0869100	0.71656	2.99619	Down	Up
35547	TraesCS6D03G0869500	1.01375	1.91253	UP	UP
35548	TraesCS6D03G0872200	1.08195	1.75714	UP	UP
35549	TraesCS6D03G0872500	0.73809	0.31306	Down	Down
35550	TraesCS6D03G0872600	1.41829	0.2511	Up	Down
35551	TraesCS6D03G0872600	1.11646	0.6664	No	No
35553	TraesCS6D03G0873000	0.5395	1.54558	No	No
35554	TraesCS6D03G0873300	0.78263	0.31908	Down	Down
35555	TraesCS6D03G0873500	0.85191	1.20079	No	No
35556	TraesCS6D03G0873600	0.91565	0.68807	Down	Down
35557	TraesCS6D03G0873900	0.97991	1.69931	No	No
35559	TraesCS6D03G0875100	0.86183	1.62017	No	No
35560	TraesCS6D03G0875200	1.64729	1.89352	UP	UP
35561	TraesCS6D03G0875400	1.25595	0.81641	No	No
35562	TraesCS6D03G0876100	1.03068	2.24323	Up	Up
35563	TraesCS6D03G0876200	0.8999	1.75439	No	No
35564	TraesCS6D03G0876600	0.72568	1.75522	No	No
35565	TraesCS6D03G0876700	0.73887	0.52526	Down	Down
35566	TraesCS6D03G0876700	0.52731	0.48103	Down	Down
35567	TraesCS6D03G0876900	0.97274	1.38747	No	No
35568	TraesCS6D03G0877900	0.72101	1.16299	No	No
35570	TraesCS6D03G0878100	0.67034	0.59954	Down	Down
35571	TraesCS6D03G0878500	0.81835	1.36575	No	No
35573	TraesCS6D03G0881400	0.85611	0.93913	Down	Down
35574	TraesCS6D03G0881700	0.60103	1.33336	No	No
35575	TraesCS6D03G0882200	0.80915	1.985	No	No
35576	TraesCS6D03G0882300	0.81452	1.4319	No	No
35577	TraesCS6D03G0882600	0.76349	1.58725	No	No
35578	TraesCS6D03G0882700	0.52716	1.72131	No	No
35579	TraesCS6D03G0882800	0.98773	1.16836	No	No
35580	TraesCS6D03G0882900	1.12004	0.73322	No	No
35581	TraesCS6D03G0883300	1.20069	2.10891	Up	Up
35582	TraesCS6D03G0883500	0.77345	0.98495	Down	Down
35583	TraesCS6D03G0883900	0.60973	1.58633	No	No
35585	TraesCS6D03G0884300	0.85286	1.1614	No	No
35586	TraesCS6D03G0885300	1.06738	0.68018	No	No
35587	TraesCS6D03G0885800	1.20615	0.22986	Up	Down
35588	TraesCS6D03G0885900	1.07005	1.50699	UP	UP
35590	TraesCS6D03G0886500	0.85488	0.89787	Down	Down
35591	TraesCS6D03G0887600	1.09396	2.34782	Up	Up
35592	TraesCS6D03G0889100	0.56155	1.13391	No	No
35594	TraesCS6D03G0889800	0.87271	0.33776	Down	Down
35596	TraesCS6D03G0891900	0.76837	0.47027	Down	Down
35597	TraesCS6D03G0892100	1.0043	1.18496	UP	UP

35598	TraesCS6D03G0892400	1.28999	0.78075	No	No
35599	TraesCS6D03G0892600	0.7028	1.98169	No	No
35600	TraesCS6D03G0892800	2.2118	0.38117	Up	Down
35601	TraesCS6D03G0893300	0.86082	0.81233	Down	Down
35602	TraesCS6D03G0893800	0.75319	0.85359	Down	Down
35603	TraesCS6D03G0894100	1.81588	0.18856	Up	Down
35604	TraesCS6D03G0894200	2.58162	0.12307	Up	Down
35605	TraesCS6D03G0894600	0.97673	0.9362	Down	Down
35606	TraesCS6D03G0895200	0.63835	0.41722	Down	Down
35607	TraesCS6D03G0895900	1.10027	1.02047	UP	UP
35608	TraesCS6D03G0896000	0.70241	1.06943	No	No
35609	TraesCS6D03G0897200	0.98054	1.50023	No	No
35611	TraesCS6D03G0897700	1.13586	1.05799	UP	UP
35612	TraesCS6D03G0898700	0.63038	0.89267	Down	Down
35614	TraesCS6D03G0899000	0.91707	1.3756	No	No
35615	TraesCS6D03G0899700	0.90294	1.71392	No	No
35618	TraesCS6D03G0901600	0.90263	1.67659	No	No
35620	TraesCS6D03G0902000	1.01203	1.01841	UP	UP
35621	TraesCS6D03G0902100	0.91858	0.70477	Down	Down
35622	TraesCS6D03G0902200	1.45269	1.33233	UP	UP
35624	TraesCS6D03G0902800	1.18909	1.51135	UP	UP
35625	TraesCS6D03G0903300	0.79087	3.93795	Down	Up
35626	TraesCS6D03G0903700	0.63144	2.58448	Down	Up
35627	TraesCS6D03G0903800	0.52614	2.07307	Down	Up
35628	TraesCS6D03G0904100	1.13913	0.56294	No	No
35629	TraesCS6D03G0904200	0.67502	2.15725	Down	Up
35630	TraesCS6D03G0905100	1.026	4.23892	Up	Up
35631	TraesCS6D03G0905400	0.87679	1.56206	No	No
35632	TraesCS6D03G0905700	1.54462	0.44373	Up	Down
35633	TraesCS6D03G0907900	1.04392	1.00464	UP	UP
35634	TraesCS6D03G0908000	1.17549	1.46119	UP	UP
35635	TraesCS6D03G0909400	2.2418	0.19148	Up	Down
35636	TraesCS6D03G0910300	0.86722	2.03118	Down	Up
35637	TraesCS6D03G0910500	1.24046	0.277	Up	Down
35638	TraesCS6D03G0911900	1.72622	1.07298	UP	UP
35639	TraesCS6D03G0912400	1.28543	0.46224	Up	Down
35640	TraesCS6D03G0913900	0.78403	1.28662	No	No
35641	TraesCS6D03G0914100	0.95995	1.32296	No	No
35642	TraesCS6D03G0916400	1.54245	1.53967	UP	UP
35643	TraesCS6D03G0918400	1.10548	0.36928	Up	Down
35644	TraesCS6D03G0918700	0.9959	0.83464	Down	Down
35645	TraesCS6D03G0918900	0.90354	1.14437	No	No
35646	TraesCS6D03G0919100	0.91371	0.98057	Down	Down
35648	TraesCS6D03G0921300	1.3593	0.76338	No	No
35649	TraesCS6D03G0921400	1.01658	0.80485	No	No
35650	TraesCS6D03G0921500	1.00776	0.92294	No	No
35651	TraesCS6D03G0924600	1.32941	1.38517	UP	UP
35652	TraesCS6D03G0926900	0.97424	1.4391	No	No
35653	TraesCS6D03G0929200	1.11011	0.66489	No	No
35654	TraesCS6D03G0929300	1.26695	0.81384	No	No
35655	TraesCS6D03G0930200	1.32704	1.97225	UP	UP
35656	TraesCS6D03G0930300	0.72639	1.28302	No	No

35657	TraesCS6D03G0931700	1.12182	0.96162	No	No
35658	TraesCS6D03G0931900	0.72974	2.6054	Down	Up
35659	TraesCS6D03G0932400	0.96213	0.86705	Down	Down
35660	TraesCS6D03G0932700	1.2429	0.69715	No	No
35661	TraesCS6D03G0932900	0.84918	0.63115	Down	Down
35662	TraesCS7A03G0000300	0.64536	2.39917	Down	Up
35663	TraesCS7A03G0000400	0.87669	2.17727	Down	Up
35664	TraesCS7A03G0001000	1.469	0.31463	Up	Down
35666	TraesCS7A03G0005100	1.04439	1.70913	UP	UP
35667	TraesCS7A03G0005200	0.69416	1.4113	No	No
35668	TraesCS7A03G0007200	0.95526	1.02052	No	No
35669	TraesCS7A03G0007300	1.0867	0.51035	No	No
35670	TraesCS7A03G0007800	1.30039	1.0619	UP	UP
35671	TraesCS7A03G0008400	1.1308	1.58918	UP	UP
35672	TraesCS7A03G0008800	0.90044	0.28325	Down	Down
35674	TraesCS7A03G0011400	1.42584	8.33739	Up	Up
35675	TraesCS7A03G0011700	0.98274	10.9854	Down	Up
35676	TraesCS7A03G0012800	0.74584	12.6961	Down	Up
35677	TraesCS7A03G0014200	1.06818	0.81326	No	No
35678	TraesCS7A03G0017400	1.19551	0.38168	Up	Down
35679	TraesCS7A03G0019700	0.42842	0.33974	Down	Down
35680	TraesCS7A03G0019800	0.97872	1.63882	No	No
35681	TraesCS7A03G0021600	1.20526	0.50389	No	No
35682	TraesCS7A03G0025000	0.78773	1.78505	No	No
35684	TraesCS7A03G0029900	0.75182	2.50341	Down	Up
35685	TraesCS7A03G0030000	0.57548	0.99369	Down	Down
35686	TraesCS7A03G0030900	0.96551	1.50505	No	No
35687	TraesCS7A03G0031700	0.69161	1.76098	No	No
35688	TraesCS7A03G0033500	0.94244	1.65263	No	No
35689	TraesCS7A03G0037500	0.85326	1.8199	No	No
35690	TraesCS7A03G0038500	1.13129	0.78111	No	No
35691	TraesCS7A03G0039700	0.99588	1.88028	No	No
35692	TraesCS7A03G0040100	0.93471	5.30248	Down	Up
35693	TraesCS7A03G0041300	0.83419	0.74874	Down	Down
35694	TraesCS7A03G0041400	0.73612	1.06501	No	No
35695	TraesCS7A03G0041500	0.87958	1.10169	No	No
35696	TraesCS7A03G0041900	0.95893	0.26502	Down	Down
35697	TraesCS7A03G0042000	0.79386	1.41297	No	No
35699	TraesCS7A03G0045500	0.8668	1.27886	No	No
35700	TraesCS7A03G0049900	1.04559	1.28377	UP	UP
35701	TraesCS7A03G0049900	0.66326	0.6772	Down	Down
35704	TraesCS7A03G0055900	0.80275	1.24641	No	No
35705	TraesCS7A03G0057100	1.00168	3.17089	Up	Up
35706	TraesCS7A03G0057200	1.13234	1.23666	UP	UP
35707	TraesCS7A03G0057300	0.97009	1.22754	No	No
35708	TraesCS7A03G0063300	0.91592	0.72431	Down	Down
35710	TraesCS7A03G0064200	1.00401	1.01965	UP	UP
35711	TraesCS7A03G0064400	0.65314	5.50942	Down	Up
35712	TraesCS7A03G0065200	0.98098	1.917	No	No
35713	TraesCS7A03G0065900	1.58057	0.70789	No	No
35714	TraesCS7A03G0066300	0.81483	0.87522	Down	Down
35715	TraesCS7A03G0068200	1.21288	1.41552	UP	UP

35716	TraesCS7A03G0070100	1.24281	3.94832	Up	Up
35717	TraesCS7A03G0071200	0.85325	2.31863	Down	Up
35718	TraesCS7A03G0071400	1.09318	1.32569	UP	UP
35719	TraesCS7A03G0072700	2.10338	1.38623	Up	Up
35720	TraesCS7A03G0075200	0.91713	1.53141	No	No
35721	TraesCS7A03G0077300	0.61329	1.69089	No	No
35723	TraesCS7A03G0077800	1.11111	0.82877	No	No
35724	TraesCS7A03G0090800	0.69443	1.2897	No	No
35725	TraesCS7A03G0092300	0.3615	8.16719	Down	Up
35726	TraesCS7A03G0093500	0.90725	1.22645	No	No
35727	TraesCS7A03G0093800	0.99684	1.72673	No	No
35728	TraesCS7A03G0096600	1.92258	1.05342	UP	UP
35729	TraesCS7A03G0097100	0.86169	1.08771	No	No
35730	TraesCS7A03G0097300	0.48196	3.89694	Down	Up
35731	TraesCS7A03G0099200	0.71848	0.53218	Down	Down
35732	TraesCS7A03G0104600	0.94057	1.10543	No	No
35733	TraesCS7A03G0104700	0.96153	1.08444	No	No
35734	TraesCS7A03G0108400	0.84624	0.73599	Down	Down
35735	TraesCS7A03G0108700	0.76552	0.94429	Down	Down
35736	TraesCS7A03G0108800	1.17235	0.67018	No	No
35737	TraesCS7A03G0108900	1.04832	0.52335	No	No
35738	TraesCS7A03G0109200	0.75249	1.47313	No	No
35739	TraesCS7A03G0109300	0.65421	4.90936	Down	Up
35740	TraesCS7A03G0109800	0.68921	0.4401	Down	Down
35741	TraesCS7A03G0111700	0.88359	0.92124	Down	Down
35742	TraesCS7A03G0111800	0.88341	1.21953	No	No
35743	TraesCS7A03G0115700	0.82727	1.22936	No	No
35744	TraesCS7A03G0115800	0.81877	0.23094	Down	Down
35745	TraesCS7A03G0117600	0.85261	1.66763	No	No
35746	TraesCS7A03G0121100	0.93063	2.17627	Down	Up
35748	TraesCS7A03G0123000	0.54643	2.41958	Down	Up
35749	TraesCS7A03G0123300	0.96233	1.03749	No	No
35751	TraesCS7A03G0125200	1.0401	0.9798	No	No
35752	TraesCS7A03G0126100	0.89904	1.28017	No	No
35753	TraesCS7A03G0126600	2.73876	0.41734	Up	Down
35754	TraesCS7A03G0127000	0.98823	0.6282	Down	Down
35755	TraesCS7A03G0127100	1.34743	0.76642	No	No
35756	TraesCS7A03G0127600	0.93949	0.23788	Down	Down
35757	TraesCS7A03G0130100	1.04626	1.15455	UP	UP
35758	TraesCS7A03G0136300	0.77203	2.13235	Down	Up
35759	TraesCS7A03G0136500	0.72267	0.99083	Down	Down
35761	TraesCS7A03G0138000	1.80185	1.26866	UP	UP
35762	TraesCS7A03G0138100	0.75044	9.19204	Down	Up
35764	TraesCS7A03G0138300	0.76231	3.64214	Down	Up
35765	TraesCS7A03G0138700	0.99409	1.50302	No	No
35766	TraesCS7A03G0138800	0.89989	1.58617	No	No
35767	TraesCS7A03G0138900	0.79383	0.82885	Down	Down
35768	TraesCS7A03G0140700	1.52896	1.47715	UP	UP
35769	TraesCS7A03G0140800	1.26665	0.80895	No	No
35770	TraesCS7A03G0141500	0.85076	1.42574	No	No
35771	TraesCS7A03G0142300	1.03458	1.34644	UP	UP
35772	TraesCS7A03G0142800	0.88995	1.32489	No	No

35773	TraesCS7A03G0144600	1.26465	1.24845	UP	UP
35774	TraesCS7A03G0145400	0.59767	0.75868	Down	Down
35776	TraesCS7A03G0147600	0.78417	1.42972	No	No
35777	TraesCS7A03G0148100	1.12491	1.10837	UP	UP
35778	TraesCS7A03G0149100	1.11458	0.60586	No	No
35779	TraesCS7A03G0149300	0.82729	1.20598	No	No
35780	TraesCS7A03G0149800	1.13795	0.60573	No	No
35781	TraesCS7A03G0152700	0.90926	1.09582	No	No
35782	TraesCS7A03G0152900	1.10644	1.4968	UP	UP
35783	TraesCS7A03G0154100	0.57363	1.98594	No	No
35784	TraesCS7A03G0154300	0.98604	0.61484	Down	Down
35785	TraesCS7A03G0155900	0.83129	1.4517	No	No
35787	TraesCS7A03G0156800	1.43759	1.71483	UP	UP
35790	TraesCS7A03G0160800	2.10016	0.64663	Up	Down
35791	TraesCS7A03G0160800	0.50137	0.47277	Down	Down
35792	TraesCS7A03G0160900	1.06557	1.40227	UP	UP
35795	TraesCS7A03G0165900	1.98976	14.9332	Up	Up
35796	TraesCS7A03G0169100	0.91462	0.67341	Down	Down
35797	TraesCS7A03G0173000	0.76737	1.10328	No	No
35798	TraesCS7A03G0173200	0.88075	0.7308	Down	Down
35800	TraesCS7A03G0175800	0.88815	3.05643	Down	Up
35801	TraesCS7A03G0177700	1.17441	0.68634	No	No
35802	TraesCS7A03G0178500	0.91932	1.13953	No	No
35804	TraesCS7A03G0179400	0.829	1.4489	No	No
35805	TraesCS7A03G0179900	0.78731	0.96032	Down	Down
35806	TraesCS7A03G0180500	0.71305	0.31919	Down	Down
35807	TraesCS7A03G0180700	1.49064	0.57465	No	No
35808	TraesCS7A03G0182400	0.48696	2.15315	Down	Up
35809	TraesCS7A03G0183300	1.13188	0.51263	No	No
35810	TraesCS7A03G0184700	0.81759	1.37845	No	No
35811	TraesCS7A03G0184900	0.60389	0.80675	Down	Down
35812	TraesCS7A03G0184900	1.55283	1.00268	UP	UP
35813	TraesCS7A03G0190200	0.81458	1.06998	No	No
35814	TraesCS7A03G0190300	1.22622	1.46734	UP	UP
35815	TraesCS7A03G0190400	1.01527	0.99858	No	No
35816	TraesCS7A03G0190800	1.04452	1.15245	UP	UP
35817	TraesCS7A03G0191600	0.85558	1.05082	No	No
35821	TraesCS7A03G0194400	0.74909	0.77631	Down	Down
35822	TraesCS7A03G0196800	1.10627	1.2329	UP	UP
35823	TraesCS7A03G0197100	1.19126	1.38391	UP	UP
35824	TraesCS7A03G0201200	0.83603	1.47457	No	No
35825	TraesCS7A03G0202600	1.59724	1.52078	UP	UP
35826	TraesCS7A03G0204800	1.48144	2.82357	Up	Up
35827	TraesCS7A03G0207800	0.91429	0.75484	Down	Down
35828	TraesCS7A03G0209400	1.43087	0.62548	No	No
35829	TraesCS7A03G0209500	1.39153	0.37625	Up	Down
35830	TraesCS7A03G0211000	0.90307	1.03509	No	No
35831	TraesCS7A03G0212100	1.05266	1.87578	UP	UP
35832	TraesCS7A03G0212100	0.61296	1.38165	No	No
35833	TraesCS7A03G0212700	1.27281	1.2302	UP	UP
35834	TraesCS7A03G0213200	1.31484	1.529	UP	UP
35835	TraesCS7A03G0214400	1.07063	12.8779	Up	Up

35836	TraesCS7A03G0215000	4.90855	0.30298	Up	Down
35837	TraesCS7A03G0215500	3.15708	0.17387	Up	Down
35838	TraesCS7A03G0215700	1.01612	0.62902	No	No
35839	TraesCS7A03G0215900	0.71586	1.66274	No	No
35840	TraesCS7A03G0216500	0.68482	2.66157	Down	Up
35841	TraesCS7A03G0218100	1.09823	1.60614	UP	UP
35842	TraesCS7A03G0218300	0.86547	1.44927	No	No
35843	TraesCS7A03G0219700	0.55177	2.65756	Down	Up
35844	TraesCS7A03G0219700	0.88991	1.61759	No	No
35845	TraesCS7A03G0222600	0.7961	1.65525	No	No
35846	TraesCS7A03G0222700	0.98229	0.8696	Down	Down
35847	TraesCS7A03G0223600	0.28446	0.35737	Down	Down
35848	TraesCS7A03G0224800	0.90789	0.63052	Down	Down
35849	TraesCS7A03G0225000	0.52221	2.03055	Down	Up
35850	TraesCS7A03G0225700	0.94515	2.51508	Down	Up
35851	TraesCS7A03G0226600	0.69447	0.96264	Down	Down
35852	TraesCS7A03G0227000	1.0646	0.59643	No	No
35853	TraesCS7A03G0227100	0.90815	0.73963	Down	Down
35854	TraesCS7A03G0227300	0.50527	1.4866	No	No
35855	TraesCS7A03G0227400	0.85142	1.40276	No	No
35856	TraesCS7A03G0240900	1.06252	2.01529	Up	Up
35857	TraesCS7A03G0242900	1.08116	0.96358	No	No
35858	TraesCS7A03G0243000	0.5388	0.56619	Down	Down
35859	TraesCS7A03G0243000	0.97057	1.28427	No	No
35860	TraesCS7A03G0243200	1.06046	0.94587	No	No
35861	TraesCS7A03G0243300	1.31766	1.11868	UP	UP
35862	TraesCS7A03G0243700	1.92352	0.80884	No	No
35864	TraesCS7A03G0243900	1.22836	0.96688	No	No
35865	TraesCS7A03G0245000	0.73625	1.19016	No	No
35866	TraesCS7A03G0245100	0.50539	1.52861	No	No
35867	TraesCS7A03G0245700	1.13869	1.08598	UP	UP
35868	TraesCS7A03G0246500	0.89585	0.88088	Down	Down
35869	TraesCS7A03G0247400	1.16662	1.71091	UP	UP
35870	TraesCS7A03G0247500	1.01214	1.84592	UP	UP
35871	TraesCS7A03G0247600	0.90253	5.74743	Down	Up
35872	TraesCS7A03G0247800	1.74427	1.68873	UP	UP
35875	TraesCS7A03G0248500	0.98029	2.50111	Down	Up
35876	TraesCS7A03G0248700	0.5707	0.92157	Down	Down
35877	TraesCS7A03G0252500	0.88611	1.28463	No	No
35878	TraesCS7A03G0253800	0.74669	1.97301	No	No
35879	TraesCS7A03G0254000	1.21702	1.2954	UP	UP
35880	TraesCS7A03G0254100	0.75468	0.97332	Down	Down
35881	TraesCS7A03G0257000	0.92462	0.85015	Down	Down
35882	TraesCS7A03G0257600	1.18281	0.68622	No	No
35883	TraesCS7A03G0257800	0.8091	1.61757	No	No
35884	TraesCS7A03G0257900	0.60044	0.94937	Down	Down
35885	TraesCS7A03G0258700	1.45327	0.66287	No	No
35886	TraesCS7A03G0261600	0.61211	0.88277	Down	Down
35887	TraesCS7A03G0262100	1.30234	0.68556	No	No
35888	TraesCS7A03G0262200	0.90909	1.01491	No	No
35889	TraesCS7A03G0263900	0.83763	0.81882	Down	Down
35890	TraesCS7A03G0264000	0.83239	1.15777	No	No

35892	TraesCS7A03G0265000	1.33318	1.39308	UP	UP
35893	TraesCS7A03G0265000	0.9485	1.88463	No	No
35894	TraesCS7A03G0265200	1.02382	1.0821	UP	UP
35895	TraesCS7A03G0265800	1.13807	4.22304	Up	Up
35896	TraesCS7A03G0266400	1.04803	0.33743	Up	Down
35897	TraesCS7A03G0268700	0.88212	0.93343	Down	Down
35898	TraesCS7A03G0271500	1.03304	1.30974	UP	UP
35899	TraesCS7A03G0271600	1.12274	1.30328	UP	UP
35900	TraesCS7A03G0272100	0.28295	0.47181	Down	Down
35901	TraesCS7A03G0272800	0.65307	1.23414	No	No
35902	TraesCS7A03G0274100	0.90846	5.64484	Down	Up
35903	TraesCS7A03G0274200	1.33155	0.86602	No	No
35904	TraesCS7A03G0274300	1.57925	0.75539	No	No
35905	TraesCS7A03G0278600	0.89492	1.21888	No	No
35906	TraesCS7A03G0278700	0.89168	1.35122	No	No
35907	TraesCS7A03G0281100	8.17163	0.74127	Up	Down
35908	TraesCS7A03G0281300	2.30542	5.65739	Up	Up
35909	TraesCS7A03G0281400	3.15771	0.25503	Up	Down
35910	TraesCS7A03G0284900	0.85856	1.75529	No	No
35911	TraesCS7A03G0285500	1.20229	0.38905	Up	Down
35912	TraesCS7A03G0288700	0.9161	1.25034	No	No
35913	TraesCS7A03G0288800	1.30561	0.79815	No	No
35914	TraesCS7A03G0289100	0.9299	0.97894	Down	Down
35915	TraesCS7A03G0289800	0.51236	3.25951	Down	Up
35916	TraesCS7A03G0290300	0.80289	2.19472	Down	Up
35917	TraesCS7A03G0291900	1.18206	0.63935	No	No
35918	TraesCS7A03G0292200	0.99973	1.89674	No	No
35920	TraesCS7A03G0297600	0.75302	3.28306	Down	Up
35921	TraesCS7A03G0298700	0.83975	1.27754	No	No
35922	TraesCS7A03G0299000	1.49248	0.9327	No	No
35924	TraesCS7A03G0299600	0.75717	0.93038	Down	Down
35925	TraesCS7A03G0299800	1.43308	1.17112	UP	UP
35927	TraesCS7A03G0301500	0.48238	4.51767	Down	Up
35928	TraesCS7A03G0302000	1.266	0.72259	No	No
35929	TraesCS7A03G0302000	1.49898	0.22803	Up	Down
35930	TraesCS7A03G0304100	0.42496	0.70588	Down	Down
35931	TraesCS7A03G0306100	0.99524	1.26256	No	No
35932	TraesCS7A03G0306700	1.40591	0.8448	No	No
35933	TraesCS7A03G0306800	0.69318	1.61913	No	No
35934	TraesCS7A03G0306800	0.87347	2.94766	Down	Up
35935	TraesCS7A03G0307100	1.3604	0.25969	Up	Down
35936	TraesCS7A03G0307600	1.99793	0.38546	Up	Down
35937	TraesCS7A03G0307700	1.30418	3.50373	Up	Up
35938	TraesCS7A03G0307800	0.63084	1.14162	No	No
35939	TraesCS7A03G0307900	0.60094	2.50678	Down	Up
35940	TraesCS7A03G0309100	1.87603	1.33869	UP	UP
35941	TraesCS7A03G0309100	0.34843	1.9292	Down	Up
35947	TraesCS7A03G0310100	1.70107	1.0956	UP	UP
35948	TraesCS7A03G0311000	1.01769	1.06926	UP	UP
35949	TraesCS7A03G0311200	0.98195	1.11738	No	No
35950	TraesCS7A03G0312200	1.06451	1.29777	UP	UP
35951	TraesCS7A03G0312400	0.90075	1.46829	No	No

35952	TraesCS7A03G0312600	1.10821	1.22708	UP	UP
35953	TraesCS7A03G0313100	1.02469	1.10878	UP	UP
35954	TraesCS7A03G0313600	1.04356	0.54261	No	No
35955	TraesCS7A03G0313700	0.49769	2.14693	Down	Up
35957	TraesCS7A03G0313900	1.43782	1.07738	UP	UP
35958	TraesCS7A03G0314000	1.23401	1.13899	UP	UP
35959	TraesCS7A03G0315800	0.73038	0.99974	Down	Down
35960	TraesCS7A03G0317100	1.73943	3.52244	Up	Up
35961	TraesCS7A03G0317100	2.02658	0.53664	Up	Down
35962	TraesCS7A03G0318600	0.56546	1.51828	No	No
35963	TraesCS7A03G0318900	0.38935	0.33166	Down	Down
35964	TraesCS7A03G0318900	1.47838	0.80204	No	No
35965	TraesCS7A03G0319200	0.8812	1.79372	No	No
35966	TraesCS7A03G0320400	1.31331	0.9734	No	No
35967	TraesCS7A03G0322300	1.14184	0.69429	No	No
35968	TraesCS7A03G0322300	2.52036	0.68606	Up	Down
35969	TraesCS7A03G0322400	0.94248	0.71906	Down	Down
35970	TraesCS7A03G0325100	0.96695	0.63854	Down	Down
35971	TraesCS7A03G0325600	1.26981	1.11536	UP	UP
35972	TraesCS7A03G0325700	0.86699	1.54941	No	No
35973	TraesCS7A03G0325900	0.89598	0.99409	Down	Down
35974	TraesCS7A03G0326600	0.79761	1.61597	No	No
35975	TraesCS7A03G0328300	0.98309	1.28237	No	No
35976	TraesCS7A03G0330700	0.93466	1.37869	No	No
35978	TraesCS7A03G0331500	0.81847	0.69961	Down	Down
35979	TraesCS7A03G0331500	0.67363	0.50785	Down	Down
35980	TraesCS7A03G0332000	1.25158	0.87393	No	No
35981	TraesCS7A03G0332400	1.35811	0.80682	No	No
35983	TraesCS7A03G0337800	0.99807	1.74666	No	No
35984	TraesCS7A03G0337900	1.42629	0.55306	No	No
35985	TraesCS7A03G0339300	1.26171	0.75187	No	No
35986	TraesCS7A03G0339300	1.11267	0.56218	No	No
35988	TraesCS7A03G0340800	0.60285	0.16507	Down	Down
35989	TraesCS7A03G0340800	0.9743	0.24283	Down	Down
35990	TraesCS7A03G0340900	1.58106	0.57014	No	No
35991	TraesCS7A03G0341100	1.13389	1.07248	UP	UP
35992	TraesCS7A03G0341200	1.03181	0.32734	Up	Down
35993	TraesCS7A03G0341700	1.10174	1.71088	UP	UP
35994	TraesCS7A03G0343900	1.45703	0.42776	Up	Down
35995	TraesCS7A03G0345200	0.98098	1.34738	No	No
35996	TraesCS7A03G0347000	0.92725	1.24436	No	No
35997	TraesCS7A03G0347200	0.98582	0.96506	Down	Down
35998	TraesCS7A03G0347800	0.73597	3.61741	Down	Up
35999	TraesCS7A03G0348900	0.80706	2.36035	Down	Up
36001	TraesCS7A03G0349900	1.0856	1.60623	UP	UP
36002	TraesCS7A03G0350100	0.5629	0.53267	Down	Down
36003	TraesCS7A03G0350500	1.13225	1.07343	UP	UP
36004	TraesCS7A03G0351000	0.32381	1.13925	Down	Up
36005	TraesCS7A03G0352200	0.81559	0.45373	Down	Down
36006	TraesCS7A03G0352200	1.07959	0.32078	Up	Down
36007	TraesCS7A03G0353100	1.07509	0.74345	No	No
36008	TraesCS7A03G0353300	1.28797	1.39646	UP	UP

36009	TraesCS7A03G0353400	0.90553	1.03507	No	No
36010	TraesCS7A03G0354300	1.07522	1.40512	UP	UP
36011	TraesCS7A03G0354400	1.20341	1.65282	UP	UP
36012	TraesCS7A03G0356400	1.0579	1.1689	UP	UP
36013	TraesCS7A03G0356500	1.23659	1.2254	UP	UP
36014	TraesCS7A03G0356600	1.08153	0.9426	No	No
36015	TraesCS7A03G0356800	0.26448	8.03107	Down	Up
36016	TraesCS7A03G0357900	0.97183	0.52474	Down	Down
36017	TraesCS7A03G0360700	1.07764	0.73783	No	No
36018	TraesCS7A03G0360800	1.5071	1.69234	UP	UP
36020	TraesCS7A03G0363100	0.55189	1.1008	No	No
36021	TraesCS7A03G0363200	0.9621	0.57856	Down	Down
36024	TraesCS7A03G0363900	1.41323	0.38469	Up	Down
36025	TraesCS7A03G0364900	0.92532	1.99538	No	No
36027	TraesCS7A03G0366100	1.04442	16.3389	Up	Up
36028	TraesCS7A03G0366300	0.92566	1.4734	No	No
36029	TraesCS7A03G0367100	0.83497	1.15271	No	No
36030	TraesCS7A03G0368300	0.64615	3.01019	Down	Up
36031	TraesCS7A03G0370100	0.76988	0.583	Down	Down
36033	TraesCS7A03G0372200	1.18847	1.13043	UP	UP
36034	TraesCS7A03G0372800	1.15596	0.88025	No	No
36036	TraesCS7A03G0373200	0.87401	0.21526	Down	Down
36037	TraesCS7A03G0374100	3.77176	1.18177	Up	Up
36038	TraesCS7A03G0375000	1.05304	0.80776	No	No
36039	TraesCS7A03G0375100	1.24279	0.62951	No	No
36040	TraesCS7A03G0376300	0.94895	4.782	Down	Up
36041	TraesCS7A03G0376400	0.46878	2.34716	Down	Up
36042	TraesCS7A03G0377000	1.75279	0.61181	No	No
36043	TraesCS7A03G0377100	1.7011	1.73886	UP	UP
36044	TraesCS7A03G0377300	0.87312	0.58985	Down	Down
36045	TraesCS7A03G0377400	1.00105	1.73523	UP	UP
36046	TraesCS7A03G0377600	1.0468	0.4683	Up	Down
36047	TraesCS7A03G0380500	0.71532	1.02015	No	No
36048	TraesCS7A03G0381500	0.96406	1.04116	No	No
36049	TraesCS7A03G0381600	0.8314	1.86926	No	No
36051	TraesCS7A03G0382100	0.88293	0.4497	Down	Down
36053	TraesCS7A03G0383500	0.86653	1.0935	No	No
36054	TraesCS7A03G0383700	1.27665	1.06594	UP	UP
36055	TraesCS7A03G0383800	2.00036	0.57324	Up	Down
36056	TraesCS7A03G0383900	0.70555	1.36374	No	No
36057	TraesCS7A03G0384100	1.24449	1.2614	UP	UP
36058	TraesCS7A03G0385000	1.43529	1.38848	UP	UP
36059	TraesCS7A03G0386100	0.91868	1.47379	No	No
36060	TraesCS7A03G0386600	0.90348	0.67838	Down	Down
36061	TraesCS7A03G0387100	1.21519	1.94687	UP	UP
36062	TraesCS7A03G0388400	0.46802	7.30531	Down	Up
36063	TraesCS7A03G0391600	1.21105	0.79648	No	No
36064	TraesCS7A03G0394400	0.98728	2.10062	Down	Up
36065	TraesCS7A03G0394500	0.75705	1.82137	No	No
36066	TraesCS7A03G0394500	0.92146	0.81765	Down	Down
36067	TraesCS7A03G0395100	0.93536	1.44106	No	No
36068	TraesCS7A03G0398400	0.45279	1.08217	Down	Up

36069	TraesCS7A03G0398800	1.59703	0.51204	No	No
36070	TraesCS7A03G0399400	1.23342	0.75825	No	No
36071	TraesCS7A03G0399400	1.00385	1.37902	UP	UP
36073	TraesCS7A03G0401100	0.96044	0.71673	Down	Down
36074	TraesCS7A03G0401200	0.70085	2.15275	Down	Up
36075	TraesCS7A03G0405800	1.39472	2.11164	Up	Up
36076	TraesCS7A03G0405900	1.27772	0.74497	No	No
36077	TraesCS7A03G0406000	0.91183	1.03958	No	No
36078	TraesCS7A03G0406400	0.91631	0.50708	Down	Down
36079	TraesCS7A03G0406500	1.47081	0.22442	Up	Down
36081	TraesCS7A03G0407600	0.7477	1.16143	No	No
36082	TraesCS7A03G0407900	1.03035	0.71842	No	No
36083	TraesCS7A03G0408100	1.62217	4.39365	Up	Up
36084	TraesCS7A03G0408200	1.19321	1.38902	UP	UP
36085	TraesCS7A03G0408300	0.8211	1.25274	No	No
36086	TraesCS7A03G0408500	1.4656	1.46821	UP	UP
36087	TraesCS7A03G0409000	0.18957	5.07649	Down	Up
36088	TraesCS7A03G0410900	1.2119	1.25777	UP	UP
36089	TraesCS7A03G0411100	0.93437	0.45655	Down	Down
36090	TraesCS7A03G0411300	0.87398	1.02928	No	No
36091	TraesCS7A03G0411400	1.30148	0.76725	No	No
36092	TraesCS7A03G0411700	0.74166	2.31419	Down	Up
36093	TraesCS7A03G0412400	1.15035	1.20974	UP	UP
36094	TraesCS7A03G0412600	0.87041	1.50036	No	No
36095	TraesCS7A03G0413100	0.86095	2.3613	Down	Up
36096	TraesCS7A03G0413300	1.01575	2.00911	Up	Up
36097	TraesCS7A03G0414500	1.26067	1.33694	UP	UP
36099	TraesCS7A03G0416100	0.78221	1.18226	No	No
36100	TraesCS7A03G0416300	1.07458	1.27242	UP	UP
36101	TraesCS7A03G0416500	0.73705	0.99244	Down	Down
36103	TraesCS7A03G0417400	0.64189	0.3034	Down	Down
36104	TraesCS7A03G0418600	1.38537	0.49327	Up	Down
36105	TraesCS7A03G0419800	1.26364	0.65135	No	No
36106	TraesCS7A03G0420200	0.51833	2.74341	Down	Up
36108	TraesCS7A03G0422700	0.48747	4.80343	Down	Up
36109	TraesCS7A03G0422800	0.85808	1.73744	No	No
36110	TraesCS7A03G0423400	1.24191	2.35355	Up	Up
36112	TraesCS7A03G0424200	1.02723	1.10963	UP	UP
36113	TraesCS7A03G0424700	0.78196	0.20541	Down	Down
36114	TraesCS7A03G0425000	1.08952	1.82121	UP	UP
36115	TraesCS7A03G0425400	1.05819	1.94492	UP	UP
36116	TraesCS7A03G0425500	0.87219	1.85239	No	No
36117	TraesCS7A03G0426300	0.88818	1.69093	No	No
36118	TraesCS7A03G0426600	1.24306	0.14025	Up	Down
36119	TraesCS7A03G0429900	1.14384	5.16148	Up	Up
36120	TraesCS7A03G0431800	0.78713	2.83924	Down	Up
36121	TraesCS7A03G0432800	0.89517	1.33451	No	No
36123	TraesCS7A03G0436100	0.80717	0.73239	Down	Down
36124	TraesCS7A03G0436300	0.93054	3.56105	Down	Up
36125	TraesCS7A03G0436700	0.64768	0.9161	Down	Down
36126	TraesCS7A03G0437000	1.16114	1.04724	UP	UP
36131	TraesCS7A03G0438100	0.41459	0.66853	Down	Down

36132	TraesCS7A03G0438200	0.68741	1.11789	No	No
36133	TraesCS7A03G0438300	1.38806	1.2926	UP	UP
36134	TraesCS7A03G0438600	1.81085	0.694	No	No
36139	TraesCS7A03G0441600	3.32761	0.07284	Up	Down
36140	TraesCS7A03G0441900	0.70263	1.54173	No	No
36141	TraesCS7A03G0442700	1.00914	1.29941	UP	UP
36142	TraesCS7A03G0443200	0.74167	2.19779	Down	Up
36143	TraesCS7A03G0443500	0.84692	1.1187	No	No
36144	TraesCS7A03G0443600	0.61682	0.91873	Down	Down
36145	TraesCS7A03G0443600	1.23472	1.84054	UP	UP
36146	TraesCS7A03G0444400	0.95897	1.08451	No	No
36147	TraesCS7A03G0444600	0.83327	0.52101	Down	Down
36148	TraesCS7A03G0444700	0.94217	0.58484	Down	Down
36150	TraesCS7A03G0445300	1.49051	0.20665	Up	Down
36151	TraesCS7A03G0446100	0.51343	1.27026	No	No
36152	TraesCS7A03G0448100	1.08591	1.10348	UP	UP
36153	TraesCS7A03G0449000	0.80592	1.33916	No	No
36154	TraesCS7A03G0449700	1.02636	0.87409	No	No
36155	TraesCS7A03G0449800	0.96632	0.48396	Down	Down
36156	TraesCS7A03G0450300	0.77788	1.70848	No	No
36157	TraesCS7A03G0450700	1.04048	0.48836	Up	Down
36159	TraesCS7A03G0451500	1.1993	0.30214	Up	Down
36160	TraesCS7A03G0452900	0.88476	0.58803	Down	Down
36161	TraesCS7A03G0453300	1.13814	0.73055	No	No
36163	TraesCS7A03G0454100	0.73047	3.70719	Down	Up
36164	TraesCS7A03G0454200	0.87787	0.68938	Down	Down
36165	TraesCS7A03G0454500	2.18769	2.88895	Up	Up
36166	TraesCS7A03G0455000	1.00686	0.81636	No	No
36167	TraesCS7A03G0455300	0.81553	1.47625	No	No
36168	TraesCS7A03G0455400	0.73102	2.67165	Down	Up
36169	TraesCS7A03G0455500	0.59873	1.43849	No	No
36170	TraesCS7A03G0455600	0.86442	9.70973	Down	Up
36171	TraesCS7A03G0455700	1.21113	0.83245	No	No
36172	TraesCS7A03G0455900	2.27305	2.62509	UP	UP
36174	TraesCS7A03G0456300	1.08422	0.73222	No	No
36175	TraesCS7A03G0456600	1.72426	1.3088	UP	UP
36176	TraesCS7A03G0457200	0.97887	0.69312	Down	Down
36177	TraesCS7A03G0457500	0.90785	0.83533	Down	Down
36178	TraesCS7A03G0457600	0.88633	3.73178	Down	Up
36179	TraesCS7A03G0458100	0.6485	0.909	Down	Down
36180	TraesCS7A03G0458800	0.85795	0.77123	Down	Down
36181	TraesCS7A03G0458900	0.89128	0.27748	Down	Down
36182	TraesCS7A03G0464300	1.09268	0.6333	No	No
36184	TraesCS7A03G0467200	0.88849	1.36462	No	No
36185	TraesCS7A03G0467600	0.88702	1.69445	No	No
36186	TraesCS7A03G0469500	2.95271	1.9545	Up	Up
36187	TraesCS7A03G0470400	0.28062	3.9284	Down	Up
36188	TraesCS7A03G0471800	1.5154	0.17052	Up	Down
36189	TraesCS7A03G0471900	0.99543	0.47692	Down	Down
36190	TraesCS7A03G0472600	1.15263	1.63882	UP	UP
36191	TraesCS7A03G0475600	0.85826	1.59305	No	No
36192	TraesCS7A03G0476100	0.75447	0.97455	Down	Down

36193	TraesCS7A03G0477200	1.15582	0.79132	No	No
36194	TraesCS7A03G0478200	1.02572	1.78168	UP	UP
36195	TraesCS7A03G0478300	0.64513	3.21523	Down	Up
36196	TraesCS7A03G0479000	0.86757	2.29798	Down	Up
36197	TraesCS7A03G0479300	0.79681	1.15398	No	No
36198	TraesCS7A03G0480100	1.0264	0.84836	No	No
36199	TraesCS7A03G0481100	0.5282	0.90495	Down	Down
36201	TraesCS7A03G0482500	1.17282	0.98322	No	No
36202	TraesCS7A03G0482800	1.04709	1.13836	UP	UP
36203	TraesCS7A03G0483000	1.02494	1.74605	UP	UP
36204	TraesCS7A03G0483200	0.74298	0.72154	Down	Down
36205	TraesCS7A03G0483300	0.84946	0.20852	Down	Down
36206	TraesCS7A03G0483500	1.14645	0.50678	No	No
36207	TraesCS7A03G0485500	1.29221	4.03233	Up	Up
36208	TraesCS7A03G0486400	0.97485	0.81863	Down	Down
36209	TraesCS7A03G0487400	0.99446	0.96824	Down	Down
36210	TraesCS7A03G0487500	0.61642	2.34435	Down	Up
36211	TraesCS7A03G0487600	1.6975	0.45037	Up	Down
36212	TraesCS7A03G0488200	1.26497	0.31491	Up	Down
36213	TraesCS7A03G0490500	1.88441	0.21512	Up	Down
36214	TraesCS7A03G0490700	1.07189	0.73314	No	No
36215	TraesCS7A03G0492000	0.48436	0.87922	Down	Down
36216	TraesCS7A03G0492100	0.98968	0.8438	Down	Down
36217	TraesCS7A03G0492500	1.15205	0.63357	No	No
36218	TraesCS7A03G0493900	0.97107	0.87649	Down	Down
36219	TraesCS7A03G0494000	0.79362	1.66328	No	No
36220	TraesCS7A03G0494100	0.73838	2.56178	Down	Up
36221	TraesCS7A03G0494300	1.28757	1.16304	UP	UP
36222	TraesCS7A03G0494500	1.35122	0.4722	Up	Down
36223	TraesCS7A03G0494700	0.98388	0.77779	Down	Down
36224	TraesCS7A03G0495100	1.14263	1.30084	UP	UP
36225	TraesCS7A03G0495600	1.32618	0.58372	No	No
36226	TraesCS7A03G0495700	1.05051	1.00322	UP	UP
36227	TraesCS7A03G0495900	0.82713	7.12548	Down	Up
36228	TraesCS7A03G0496900	1.50639	0.39703	Up	Down
36229	TraesCS7A03G0497400	0.9472	2.32824	Down	Up
36230	TraesCS7A03G0498300	1.03192	1.15922	UP	UP
36232	TraesCS7A03G0502200	0.44575	3.71346	Down	Up
36233	TraesCS7A03G0503300	1.77226	2.42837	Up	Up
36234	TraesCS7A03G0505500	0.75085	1.5131	No	No
36235	TraesCS7A03G0509800	1.0552	0.63393	No	No
36236	TraesCS7A03G0510000	1.0524	1.23991	UP	UP
36237	TraesCS7A03G0510200	1.11814	0.73484	No	No
36238	TraesCS7A03G0510200	1.37273	0.48772	Up	Down
36239	TraesCS7A03G0511400	0.95764	0.99622	Down	Down
36240	TraesCS7A03G0511700	1.41579	1.11223	UP	UP
36241	TraesCS7A03G0512000	1.27525	0.92613	No	No
36242	TraesCS7A03G0512300	0.66163	4.62507	Down	Up
36243	TraesCS7A03G0512300	0.95272	0.36802	Down	Down
36244	TraesCS7A03G0512500	0.75983	1.24798	No	No
36245	TraesCS7A03G0512600	0.93128	1.89018	No	No
36246	TraesCS7A03G0512800	1.81948	0.31997	Up	Down

36247	TraesCS7A03G0513400	3.0912	0.19586	Up	Down
36248	TraesCS7A03G0513500	0.83328	1.4502	No	No
36249	TraesCS7A03G0513600	1.06119	0.49435	Up	Down
36250	TraesCS7A03G0513700	0.71339	4.91462	Down	Up
36251	TraesCS7A03G0513900	0.92361	1.68021	No	No
36253	TraesCS7A03G0515500	0.91944	1.25063	No	No
36254	TraesCS7A03G0515600	0.89509	1.11243	No	No
36256	TraesCS7A03G0517300	1.54245	0.46379	Up	Down
36258	TraesCS7A03G0517900	0.91357	0.62154	Down	Down
36259	TraesCS7A03G0518100	1.22833	0.9798	No	No
36261	TraesCS7A03G0518900	0.79143	0.58404	Down	Down
36262	TraesCS7A03G0519100	0.92983	0.65934	Down	Down
36263	TraesCS7A03G0519200	0.72267	1.13907	No	No
36264	TraesCS7A03G0519400	1.55973	0.85028	No	No
36265	TraesCS7A03G0520100	0.82504	1.81421	No	No
36268	TraesCS7A03G0522400	1.24821	0.3479	Up	Down
36269	TraesCS7A03G0523600	1.23753	1.47455	UP	UP
36270	TraesCS7A03G0524000	0.91092	0.86462	Down	Down
36271	TraesCS7A03G0524500	1.60921	0.94921	No	No
36272	TraesCS7A03G0524700	0.54509	2.15408	Down	Up
36273	TraesCS7A03G0524800	0.94157	0.70598	Down	Down
36274	TraesCS7A03G0526200	1.08784	0.98393	No	No
36275	TraesCS7A03G0527900	0.64791	0.84465	Down	Down
36276	TraesCS7A03G0528000	0.85059	0.15725	Down	Down
36277	TraesCS7A03G0528300	0.82979	1.14266	No	No
36278	TraesCS7A03G0528400	1.01391	0.72035	No	No
36279	TraesCS7A03G0529200	0.85136	1.76359	No	No
36280	TraesCS7A03G0529200	1.43132	1.07447	UP	UP
36281	TraesCS7A03G0531000	0.97171	0.80345	Down	Down
36282	TraesCS7A03G0531100	1.4975	0.10879	Up	Down
36283	TraesCS7A03G0531800	0.98144	1.01137	No	No
36284	TraesCS7A03G0533300	0.96385	1.86619	No	No
36287	TraesCS7A03G0534900	0.95778	1.36003	No	No
36288	TraesCS7A03G0535400	1.80996	0.94429	No	No
36289	TraesCS7A03G0536900	1.06305	1.91872	UP	UP
36290	TraesCS7A03G0538000	0.57725	1.38075	No	No
36291	TraesCS7A03G0538100	1.05302	0.64177	No	No
36292	TraesCS7A03G0538500	1.16694	0.97414	No	No
36293	TraesCS7A03G0538700	0.44749	4.20219	Down	Up
36294	TraesCS7A03G0539000	0.94507	1.11717	No	No
36295	TraesCS7A03G0539100	0.99981	0.95491	Down	Down
36296	TraesCS7A03G0539500	0.938	0.78145	Down	Down
36297	TraesCS7A03G0539700	1.02684	0.57242	No	No
36298	TraesCS7A03G0539800	1.40738	0.97077	No	No
36299	TraesCS7A03G0540100	0.25433	4.2084	Down	Up
36300	TraesCS7A03G0540800	1.02457	1.13746	UP	UP
36301	TraesCS7A03G0540900	1.04751	0.98108	No	No
36302	TraesCS7A03G0542700	1.14323	0.85147	No	No
36303	TraesCS7A03G0543100	1.09073	1.64314	UP	UP
36305	TraesCS7A03G0544100	0.87269	0.85845	Down	Down
36306	TraesCS7A03G0544600	0.75966	1.03378	No	No
36307	TraesCS7A03G0544700	2.1898	1.53102	Up	Up

36308	TraesCS7A03G0545200	0.91913	0.89772	Down	Down
36309	TraesCS7A03G0545300	1.20309	0.55697	No	No
36310	TraesCS7A03G0545400	0.87157	0.71548	Down	Down
36311	TraesCS7A03G0546400	1.04307	0.80429	No	No
36312	TraesCS7A03G0546800	1.23635	3.53445	Up	Up
36313	TraesCS7A03G0547000	1.40461	3.11378	Up	Up
36314	TraesCS7A03G0547100	1.96652	0.72026	No	No
36316	TraesCS7A03G0547900	0.35308	3.831	Down	Up
36317	TraesCS7A03G0547900	0.42901	4.3956	Down	Up
36318	TraesCS7A03G0548600	1.66891	1.80961	UP	UP
36319	TraesCS7A03G0549500	0.92181	0.99681	Down	Down
36320	TraesCS7A03G0550300	0.79142	0.38962	Down	Down
36321	TraesCS7A03G0550500	1.0772	0.67421	No	No
36322	TraesCS7A03G0550900	0.75076	0.97028	Down	Down
36323	TraesCS7A03G0552000	1.1521	0.59818	No	No
36324	TraesCS7A03G0552300	0.92478	5.65263	Down	Up
36325	TraesCS7A03G0552800	1.09029	1.35709	UP	UP
36326	TraesCS7A03G0553200	1.22513	1.80393	UP	UP
36327	TraesCS7A03G0553400	1.25209	0.86435	No	No
36328	TraesCS7A03G0553500	0.77495	1.32717	No	No
36329	TraesCS7A03G0553800	0.91233	3.5862	Down	Up
36330	TraesCS7A03G0553800	0.88693	0.29089	Down	Down
36331	TraesCS7A03G0554100	1.44656	0.41025	Up	Down
36332	TraesCS7A03G0554300	1.33125	0.78284	No	No
36333	TraesCS7A03G0554400	1.15174	1.83704	UP	UP
36334	TraesCS7A03G0555000	1.30657	1.17618	UP	UP
36335	TraesCS7A03G0555500	0.57855	2.67398	Down	Up
36336	TraesCS7A03G0555700	1.17388	0.9617	No	No
36338	TraesCS7A03G0557100	1.05462	1.1088	UP	UP
36339	TraesCS7A03G0557200	1.07961	1.23415	UP	UP
36340	TraesCS7A03G0557300	1.23165	1.79042	UP	UP
36344	TraesCS7A03G0559400	1.59128	0.60319	No	No
36345	TraesCS7A03G0560100	0.4768	0.72891	Down	Down
36346	TraesCS7A03G0560100	0.93654	10.5526	Down	Up
36348	TraesCS7A03G0560900	0.87725	1.87471	No	No
36349	TraesCS7A03G0561700	1.11624	0.26121	Up	Down
36350	TraesCS7A03G0562400	0.81991	1.48714	No	No
36351	TraesCS7A03G0563500	1.30901	2.06441	Up	Up
36352	TraesCS7A03G0563600	1.26564	1.34781	UP	UP
36353	TraesCS7A03G0564000	0.68086	0.36187	Down	Down
36354	TraesCS7A03G0564300	1.0213	0.41745	Up	Down
36355	TraesCS7A03G0565100	0.82507	0.69895	Down	Down
36358	TraesCS7A03G0565600	1.18816	3.27172	Up	Up
36359	TraesCS7A03G0566400	1.24902	0.82092	No	No
36360	TraesCS7A03G0566700	0.1762	5.64645	Down	Up
36361	TraesCS7A03G0567700	1.02192	2.26569	Up	Up
36362	TraesCS7A03G0567900	0.91813	2.36438	Down	Up
36363	TraesCS7A03G0568100	1.25625	0.88887	No	No
36366	TraesCS7A03G0568500	1.106	1.355	UP	UP
36367	TraesCS7A03G0569000	1.00061	0.82098	No	No
36368	TraesCS7A03G0569600	0.84307	1.15895	No	No
36369	TraesCS7A03G0570300	1.28616	1.01843	UP	UP

36371	TraesCS7A03G0571100	1.54206	1.92118	UP	UP
36372	TraesCS7A03G0571200	1.3601	1.0094	UP	UP
36373	TraesCS7A03G0571400	0.99082	0.37959	Down	Down
36374	TraesCS7A03G0571900	0.77393	1.88823	No	No
36375	TraesCS7A03G0572000	1.12325	2.43131	Up	Up
36376	TraesCS7A03G0572400	0.66697	1.36207	No	No
36377	TraesCS7A03G0573200	1.2034	0.73513	No	No
36378	TraesCS7A03G0575300	0.84826	1.83778	No	No
36379	TraesCS7A03G0575400	1.02376	1.50508	UP	UP
36380	TraesCS7A03G0575500	1.10496	0.44127	Up	Down
36381	TraesCS7A03G0575700	1.36854	0.34805	Up	Down
36382	TraesCS7A03G0576400	1.03512	0.8565	No	No
36383	TraesCS7A03G0576400	0.89479	1.98693	No	No
36385	TraesCS7A03G0577500	1.09089	0.503	No	No
36389	TraesCS7A03G0578400	1.09124	0.75109	No	No
36390	TraesCS7A03G0578700	0.62666	0.89707	Down	Down
36391	TraesCS7A03G0579200	0.92607	1.74963	No	No
36392	TraesCS7A03G0579500	1.24225	0.45067	Up	Down
36393	TraesCS7A03G0580000	0.91678	0.84315	Down	Down
36398	TraesCS7A03G0582100	0.65271	0.7297	Down	Down
36399	TraesCS7A03G0582100	1.0116	1.21095	UP	UP
36400	TraesCS7A03G0583100	1.23258	1.25412	UP	UP
36402	TraesCS7A03G0583700	1.11851	6.00545	Up	Up
36403	TraesCS7A03G0583700	1.36842	5.86045	Up	Up
36404	TraesCS7A03G0584600	1.28987	0.964	No	No
36405	TraesCS7A03G0585000	0.97205	1.40173	No	No
36406	TraesCS7A03G0585600	1.22127	0.81847	No	No
36407	TraesCS7A03G0586300	0.84038	0.85102	Down	Down
36408	TraesCS7A03G0587400	1.15345	1.71935	UP	UP
36409	TraesCS7A03G0587700	1.41592	2.62445	Up	Up
36410	TraesCS7A03G0588600	0.83766	1.25213	No	No
36411	TraesCS7A03G0588900	0.54017	3.31981	Down	Up
36412	TraesCS7A03G0590500	0.90683	2.22743	Down	Up
36413	TraesCS7A03G0591600	1.28106	1.28672	UP	UP
36414	TraesCS7A03G0592500	1.63761	0.97688	No	No
36415	TraesCS7A03G0593200	0.72952	1.48815	No	No
36416	TraesCS7A03G0593800	0.76338	2.20412	Down	Up
36419	TraesCS7A03G0597400	0.96984	1.68672	No	No
36420	TraesCS7A03G0598200	0.80153	1.15853	No	No
36422	TraesCS7A03G0599300	0.99834	1.66556	No	No
36423	TraesCS7A03G0599300	1.63876	1.08853	UP	UP
36424	TraesCS7A03G0599800	0.73265	1.4508	No	No
36425	TraesCS7A03G0599900	0.7393	4.11423	Down	Up
36426	TraesCS7A03G0600100	1.24578	1.0114	UP	UP
36428	TraesCS7A03G0601800	0.88531	0.67271	Down	Down
36429	TraesCS7A03G0602300	1.37472	0.50647	No	No
36431	TraesCS7A03G0603600	0.98085	0.55017	Down	Down
36432	TraesCS7A03G0603600	1.12264	0.7755	No	No
36433	TraesCS7A03G0603900	0.69082	1.35825	No	No
36434	TraesCS7A03G0604300	1.1946	0.90367	No	No
36435	TraesCS7A03G0604500	1.24926	1.06978	UP	UP
36436	TraesCS7A03G0604700	0.95432	0.96392	Down	Down

36437	TraesCS7A03G0605700	0.76824	1.17371	No	No
36438	TraesCS7A03G0607100	0.65753	2.33109	Down	Up
36439	TraesCS7A03G0608200	0.91752	1.02544	No	No
36440	TraesCS7A03G0608600	0.73801	0.63304	Down	Down
36443	TraesCS7A03G0609100	0.49508	0.31685	Down	Down
36444	TraesCS7A03G0609200	0.69014	1.49377	No	No
36445	TraesCS7A03G0609800	1.74072	0.70763	No	No
36447	TraesCS7A03G0610000	0.76396	0.91352	Down	Down
36448	TraesCS7A03G0610400	1.088	0.77429	No	No
36449	TraesCS7A03G0610500	0.82981	0.40841	Down	Down
36450	TraesCS7A03G0610500	1.32515	0.33871	Up	Down
36451	TraesCS7A03G0610900	1.18514	0.67954	No	No
36454	TraesCS7A03G0612000	0.85969	1.29066	No	No
36455	TraesCS7A03G0612200	0.57391	1.18321	No	No
36456	TraesCS7A03G0612700	0.83349	0.97152	Down	Down
36457	TraesCS7A03G0613000	0.82325	3.84692	Down	Up
36458	TraesCS7A03G0613600	2.56479	0.17492	Up	Down
36459	TraesCS7A03G0613900	1.09929	0.6958	No	No
36460	TraesCS7A03G0615600	0.89572	1.62877	No	No
36461	TraesCS7A03G0615800	0.91922	1.61182	No	No
36465	TraesCS7A03G0617200	1.17655	0.70472	No	No
36466	TraesCS7A03G0617400	1.20169	0.66023	No	No
36467	TraesCS7A03G0617600	0.78792	0.927	Down	Down
36468	TraesCS7A03G0617700	0.94033	1.45505	No	No
36469	TraesCS7A03G0618500	1.08088	1.08785	UP	UP
36470	TraesCS7A03G0619600	0.94762	1.87721	No	No
36473	TraesCS7A03G0620900	1.17132	1.08066	UP	UP
36474	TraesCS7A03G0621000	1.03618	1.17653	UP	UP
36478	TraesCS7A03G0622400	0.87359	0.52015	Down	Down
36480	TraesCS7A03G0623500	1.18526	1.04567	UP	UP
36481	TraesCS7A03G0623600	0.54639	1.98505	No	No
36483	TraesCS7A03G0623900	1.04794	0.83833	No	No
36484	TraesCS7A03G0625900	1.14973	1.6952	UP	UP
36485	TraesCS7A03G0626200	0.56599	4.18997	Down	Up
36486	TraesCS7A03G0626400	1.4551	0.5217	No	No
36487	TraesCS7A03G0626800	1.03557	0.30723	Up	Down
36488	TraesCS7A03G0627800	1.21444	0.92236	No	No
36491	TraesCS7A03G0629500	0.71972	1.84229	No	No
36492	TraesCS7A03G0629700	0.83866	1.51011	No	No
36493	TraesCS7A03G0630400	1.10118	1.43102	UP	UP
36496	TraesCS7A03G0633400	1.8217	0.80254	No	No
36497	TraesCS7A03G0633600	0.95063	2.37881	Down	Up
36498	TraesCS7A03G0633800	1.38378	1.52576	UP	UP
36499	TraesCS7A03G0634200	1.96723	0.7426	No	No
36501	TraesCS7A03G0634700	1.18415	1.02354	UP	UP
36502	TraesCS7A03G0635300	0.72721	1.04412	No	No
36503	TraesCS7A03G0635400	0.82329	0.58687	Down	Down
36504	TraesCS7A03G0635600	1.03295	0.53551	No	No
36506	TraesCS7A03G0636000	1.26014	1.54795	UP	UP
36507	TraesCS7A03G0636200	1.44742	0.63958	No	No
36508	TraesCS7A03G0637000	0.68286	0.94978	Down	Down
36509	TraesCS7A03G0637800	1.8888	1.76896	UP	UP

36510	TraesCS7A03G0641700	0.82931	0.49443	Down	Down
36511	TraesCS7A03G0641800	0.96374	2.59612	Down	Up
36512	TraesCS7A03G0641800	0.9913	1.81378	No	No
36513	TraesCS7A03G0641900	0.73496	1.33817	No	No
36514	TraesCS7A03G0642100	0.49112	0.04021	Down	Down
36515	TraesCS7A03G0643100	1.29078	1.7676	UP	UP
36516	TraesCS7A03G0643600	1.40166	0.81422	No	No
36517	TraesCS7A03G0643700	1.01466	0.72052	No	No
36518	TraesCS7A03G0643800	0.7944	1.57468	No	No
36519	TraesCS7A03G0643800	0.82699	1.70425	No	No
36520	TraesCS7A03G0644200	0.60431	1.28902	No	No
36521	TraesCS7A03G0644400	0.80284	0.98179	Down	Down
36523	TraesCS7A03G0645100	0.9523	0.3311	Down	Down
36524	TraesCS7A03G0645200	0.68769	6.8624	Down	Up
36525	TraesCS7A03G0645400	0.80053	1.07005	No	No
36526	TraesCS7A03G0646300	0.6738	0.49523	Down	Down
36527	TraesCS7A03G0646400	0.7131	1.60588	No	No
36528	TraesCS7A03G0647000	0.92137	1.10739	No	No
36529	TraesCS7A03G0647100	0.87992	0.44874	Down	Down
36530	TraesCS7A03G0647200	1.47223	0.29282	Up	Down
36532	TraesCS7A03G0648000	1.06745	2.52097	Up	Up
36533	TraesCS7A03G0648100	0.67589	1.3062	No	No
36534	TraesCS7A03G0648400	1.08687	0.46313	Up	Down
36536	TraesCS7A03G0649200	0.91868	1.06315	No	No
36537	TraesCS7A03G0649300	1.38032	1.84688	UP	UP
36538	TraesCS7A03G0649800	0.92602	1.57397	No	No
36539	TraesCS7A03G0649900	0.95317	1.02551	No	No
36541	TraesCS7A03G0650400	0.91471	1.4507	No	No
36542	TraesCS7A03G0651000	1.40089	0.70895	No	No
36547	TraesCS7A03G0653600	1.13425	1.31064	UP	UP
36549	TraesCS7A03G0654800	1.07574	1.08905	UP	UP
36550	TraesCS7A03G0655200	0.75641	1.13165	No	No
36551	TraesCS7A03G0655400	0.97175	1.22865	No	No
36552	TraesCS7A03G0657400	1.79666	0.79475	No	No
36554	TraesCS7A03G0658900	1.8	1.08028	UP	UP
36555	TraesCS7A03G0660000	0.87099	1.21069	No	No
36556	TraesCS7A03G0660200	0.99297	1.7348	No	No
36557	TraesCS7A03G0660500	0.95247	0.50383	Down	Down
36558	TraesCS7A03G0660700	1.30254	0.66932	No	No
36562	TraesCS7A03G0661900	0.94386	0.76694	Down	Down
36563	TraesCS7A03G0663200	0.90729	1.43975	No	No
36564	TraesCS7A03G0663600	1.03866	1.40953	UP	UP
36565	TraesCS7A03G0664400	1.25694	0.98075	No	No
36566	TraesCS7A03G0665400	0.82929	1.65218	No	No
36567	TraesCS7A03G0665700	0.77341	0.9206	Down	Down
36570	TraesCS7A03G0666500	0.88942	1.16166	No	No
36571	TraesCS7A03G0667300	0.42073	1.86155	Down	Up
36572	TraesCS7A03G0669400	1.02042	1.44995	UP	UP
36573	TraesCS7A03G0669900	0.88411	1.23345	No	No
36574	TraesCS7A03G0671300	0.86159	1.36439	No	No
36575	TraesCS7A03G0671700	0.75472	1.15429	No	No
36576	TraesCS7A03G0671800	1.08659	0.93132	No	No

36577	TraesCS7A03G0672400	0.95846	0.56567	Down	Down
36578	TraesCS7A03G0673600	1.95498	1.23228	UP	UP
36579	TraesCS7A03G0673800	0.93364	1.24081	No	No
36580	TraesCS7A03G0674400	1.24335	1.70051	UP	UP
36581	TraesCS7A03G0674400	1.1504	0.91824	No	No
36582	TraesCS7A03G0674400	1.60206	1.25818	UP	UP
36585	TraesCS7A03G0675100	0.98153	1.45306	No	No
36587	TraesCS7A03G0676500	0.77344	1.22027	No	No
36588	TraesCS7A03G0677900	0.53509	1.13169	No	No
36589	TraesCS7A03G0678200	1.01553	0.76161	No	No
36590	TraesCS7A03G0678600	1.16385	1.10531	UP	UP
36591	TraesCS7A03G0679300	1.10106	0.32616	Up	Down
36593	TraesCS7A03G0680200	1.10267	0.97391	No	No
36594	TraesCS7A03G0680900	0.98269	1.31447	No	No
36595	TraesCS7A03G0681000	0.91206	1.12714	No	No
36597	TraesCS7A03G0681700	0.76655	0.58088	Down	Down
36598	TraesCS7A03G0682000	0.96793	0.67764	Down	Down
36599	TraesCS7A03G0682500	0.81303	1.61211	No	No
36600	TraesCS7A03G0682600	0.85003	1.00481	No	No
36601	TraesCS7A03G0682800	0.78795	1.20327	No	No
36603	TraesCS7A03G0683700	0.81267	1.35214	No	No
36604	TraesCS7A03G0684200	1.02044	0.85607	No	No
36607	TraesCS7A03G0684800	1.09886	1.26209	UP	UP
36608	TraesCS7A03G0685300	0.79009	0.1603	Down	Down
36609	TraesCS7A03G0686300	1.14351	2.62399	Up	Up
36610	TraesCS7A03G0688500	1.06924	1.04848	UP	UP
36611	TraesCS7A03G0691500	1.00759	1.35708	UP	UP
36612	TraesCS7A03G0700700	1.65062	0.71974	No	No
36613	TraesCS7A03G0701100	1.13786	0.62554	No	No
36614	TraesCS7A03G0702000	1.16012	1.64105	UP	UP
36615	TraesCS7A03G0702600	1.38304	0.67682	No	No
36616	TraesCS7A03G0703300	0.98344	1.15394	No	No
36617	TraesCS7A03G0703500	0.7249	1.61296	No	No
36620	TraesCS7A03G0705600	0.75572	0.7048	Down	Down
36621	TraesCS7A03G0706000	0.99224	0.91479	Down	Down
36622	TraesCS7A03G0706400	1.0304	1.44718	UP	UP
36623	TraesCS7A03G0707900	0.70552	1.31814	No	No
36624	TraesCS7A03G0708300	1.09805	0.67706	No	No
36625	TraesCS7A03G0708400	1.07711	1.60905	UP	UP
36628	TraesCS7A03G0710900	0.9258	1.32102	No	No
36629	TraesCS7A03G0711400	1.20014	1.46862	UP	UP
36630	TraesCS7A03G0712600	1.04975	1.5375	UP	UP
36631	TraesCS7A03G0713500	1.23794	1.08685	UP	UP
36632	TraesCS7A03G0713900	0.46964	0.84975	Down	Down
36633	TraesCS7A03G0714000	1.3888	1.45505	UP	UP
36634	TraesCS7A03G0715600	0.89206	0.53625	Down	Down
36635	TraesCS7A03G0717000	0.94901	0.44171	Down	Down
36636	TraesCS7A03G0717500	0.86086	0.58848	Down	Down
36638	TraesCS7A03G0718300	0.84227	1.87067	No	No
36639	TraesCS7A03G0719100	0.94065	0.65694	Down	Down
36640	TraesCS7A03G0719400	1.32137	0.8601	No	No
36641	TraesCS7A03G0719900	1.83875	1.22958	UP	UP

36642	TraesCS7A03G0719900	1.20573	0.60074	No	No
36643	TraesCS7A03G0720000	1.20304	0.87802	No	No
36644	TraesCS7A03G0720300	0.96303	0.52407	Down	Down
36645	TraesCS7A03G0720600	0.88808	0.78499	Down	Down
36646	TraesCS7A03G0721200	0.76646	0.9752	Down	Down
36647	TraesCS7A03G0722000	0.79173	1.01348	No	No
36649	TraesCS7A03G0723000	0.90307	0.7183	Down	Down
36650	TraesCS7A03G0724200	1.03681	1.0083	UP	UP
36651	TraesCS7A03G0724500	1.34283	0.37125	Up	Down
36652	TraesCS7A03G0724900	0.92493	0.92088	Down	Down
36654	TraesCS7A03G0725800	0.86454	1.03053	No	No
36655	TraesCS7A03G0726600	1.17431	1.21731	UP	UP
36656	TraesCS7A03G0727300	0.96809	0.69068	Down	Down
36657	TraesCS7A03G0728400	0.66461	1.54527	No	No
36660	TraesCS7A03G0731800	1.05263	0.22456	Up	Down
36661	TraesCS7A03G0732300	1.05529	1.6346	UP	UP
36662	TraesCS7A03G0732600	0.86604	1.4517	No	No
36663	TraesCS7A03G0734400	1.08512	1.03203	UP	UP
36664	TraesCS7A03G0734800	0.99895	1.39401	No	No
36665	TraesCS7A03G0735700	1.71991	0.72032	No	No
36666	TraesCS7A03G0736900	1.46599	0.66011	No	No
36667	TraesCS7A03G0737100	0.88876	1.13729	No	No
36668	TraesCS7A03G0737400	1.55195	0.11433	Up	Down
36669	TraesCS7A03G0737500	1.14567	0.98646	No	No
36670	TraesCS7A03G0737700	0.90441	0.78602	Down	Down
36671	TraesCS7A03G0738100	0.68522	3.08258	Down	Up
36672	TraesCS7A03G0738700	0.59604	1.84727	No	No
36673	TraesCS7A03G0738800	0.85687	1.27205	No	No
36674	TraesCS7A03G0739400	0.7576	0.76714	Down	Down
36675	TraesCS7A03G0740100	2.05775	1.63241	UP	UP
36676	TraesCS7A03G0740700	0.77407	0.9422	Down	Down
36677	TraesCS7A03G0741200	0.9855	2.10017	Down	Up
36678	TraesCS7A03G0741300	0.84632	0.50267	Down	Down
36679	TraesCS7A03G0744000	0.56227	1.04596	No	No
36680	TraesCS7A03G0744300	1.00993	2.53923	Up	Up
36681	TraesCS7A03G0745600	1.05782	1.16535	UP	UP
36682	TraesCS7A03G0746100	0.70981	1.02182	No	No
36684	TraesCS7A03G0746300	0.90921	0.96563	Down	Down
36685	TraesCS7A03G0746600	1.67735	0.88238	No	No
36686	TraesCS7A03G0747200	0.8761	0.81779	Down	Down
36688	TraesCS7A03G0747400	0.75011	0.90304	Down	Down
36690	TraesCS7A03G0748300	1.16522	1.0892	UP	UP
36691	TraesCS7A03G0749400	0.8467	1.25541	No	No
36692	TraesCS7A03G0749700	1.49996	0.4266	Up	Down
36693	TraesCS7A03G0749800	1.03965	0.85082	No	No
36694	TraesCS7A03G0750100	1.08538	1.48816	UP	UP
36696	TraesCS7A03G0750900	1.04194	1.39868	UP	UP
36697	TraesCS7A03G0751000	0.81544	0.78368	Down	Down
36698	TraesCS7A03G0751300	0.79701	0.76692	Down	Down
36699	TraesCS7A03G0751400	0.88969	1.85421	No	No
36700	TraesCS7A03G0751500	0.96595	1.33826	No	No
36701	TraesCS7A03G0752000	1.0385	1.26629	UP	UP

36702	TraesCS7A03G0752200	0.85248	0.85911	Down	Down
36703	TraesCS7A03G0753200	1.01202	1.48022	UP	UP
36704	TraesCS7A03G0753300	2.81303	0.44765	Up	Down
36705	TraesCS7A03G0754200	1.48036	1.0226	UP	UP
36706	TraesCS7A03G0754700	0.94738	0.47328	Down	Down
36707	TraesCS7A03G0754800	1.02579	1.05797	UP	UP
36708	TraesCS7A03G0755100	1.15122	0.7241	No	No
36709	TraesCS7A03G0755300	1.16382	2.30866	Up	Up
36711	TraesCS7A03G0756000	0.63597	4.45061	Down	Up
36712	TraesCS7A03G0756100	0.86433	3.18903	Down	Up
36713	TraesCS7A03G0756400	0.63856	1.85222	No	No
36714	TraesCS7A03G0756700	0.77008	0.42828	Down	Down
36715	TraesCS7A03G0756900	1.03607	1.16222	UP	UP
36716	TraesCS7A03G0757000	1.60995	0.38964	Up	Down
36717	TraesCS7A03G0758400	0.81738	1.13248	No	No
36718	TraesCS7A03G0759800	1.32808	0.91513	No	No
36719	TraesCS7A03G0760100	0.824	1.56751	No	No
36720	TraesCS7A03G0760600	0.95413	0.81627	Down	Down
36721	TraesCS7A03G0761100	0.86403	1.55483	No	No
36722	TraesCS7A03G0761500	0.96444	1.64833	No	No
36723	TraesCS7A03G0761600	0.96252	1.06185	No	No
36724	TraesCS7A03G0762100	0.9825	0.78962	Down	Down
36725	TraesCS7A03G0762200	0.98176	0.95403	Down	Down
36726	TraesCS7A03G0762300	0.84894	1.40355	No	No
36727	TraesCS7A03G0762800	1.05904	1.10098	UP	UP
36729	TraesCS7A03G0763500	0.92701	0.74579	Down	Down
36730	TraesCS7A03G0764700	1.33815	0.64809	No	No
36732	TraesCS7A03G0765600	1.38927	1.37541	UP	UP
36733	TraesCS7A03G0765700	1.70504	1.99772	UP	UP
36734	TraesCS7A03G0766000	0.86793	1.26316	No	No
36736	TraesCS7A03G0766700	0.93411	1.48547	No	No
36737	TraesCS7A03G0767300	1.13944	1.04602	UP	UP
36738	TraesCS7A03G0768100	0.6003	0.52308	Down	Down
36739	TraesCS7A03G0768200	1.03823	1.24397	UP	UP
36740	TraesCS7A03G0768400	0.80292	1.71645	No	No
36741	TraesCS7A03G0768500	1.02241	3.29318	Up	Up
36742	TraesCS7A03G0768900	1.04894	0.85925	No	No
36743	TraesCS7A03G0769100	0.75853	6.41248	Down	Up
36744	TraesCS7A03G0769900	0.8717	1.36954	No	No
36745	TraesCS7A03G0770100	0.91528	0.70782	Down	Down
36746	TraesCS7A03G0770900	0.42292	1.49286	Down	Up
36747	TraesCS7A03G0771400	1.0036	0.98621	No	No
36748	TraesCS7A03G0771500	0.80495	1.76554	No	No
36749	TraesCS7A03G0771800	1.16879	0.62437	No	No
36750	TraesCS7A03G0772900	0.64092	1.11029	No	No
36751	TraesCS7A03G0772900	0.79478	1.29812	No	No
36752	TraesCS7A03G0773000	0.88894	0.3592	Down	Down
36756	TraesCS7A03G0774700	0.83282	1.88055	No	No
36757	TraesCS7A03G0774700	0.95616	0.25256	Down	Down
36758	TraesCS7A03G0775200	1.1836	1.00486	UP	UP
36759	TraesCS7A03G0776300	0.79052	0.66558	Down	Down
36760	TraesCS7A03G0776800	0.84885	1.01817	No	No

36762	TraesCS7A03G0779000	0.7474	1.19656	No	No
36763	TraesCS7A03G0779200	0.62572	1.4192	No	No
36764	TraesCS7A03G0779600	0.74741	1.47491	No	No
36765	TraesCS7A03G0780400	1.37515	0.91729	No	No
36766	TraesCS7A03G0780500	0.95984	0.5763	Down	Down
36767	TraesCS7A03G0780600	0.83881	1.18279	No	No
36770	TraesCS7A03G0781200	1.153	1.47581	UP	UP
36771	TraesCS7A03G0781200	0.99735	1.97349	No	No
36772	TraesCS7A03G0783500	1.83055	0.6731	No	No
36773	TraesCS7A03G0783800	1.03011	1.36595	UP	UP
36774	TraesCS7A03G0784600	1.00598	0.25315	Up	Down
36775	TraesCS7A03G0785000	0.84657	1.46001	No	No
36776	TraesCS7A03G0785400	0.84583	0.7629	Down	Down
36777	TraesCS7A03G0785600	1.36603	1.27661	UP	UP
36778	TraesCS7A03G0785700	1.01694	0.77734	No	No
36779	TraesCS7A03G0786200	0.55865	2.45794	Down	Up
36780	TraesCS7A03G0786700	1.06174	2.73131	Up	Up
36782	TraesCS7A03G0787300	0.86437	2.72348	Down	Up
36783	TraesCS7A03G0789200	1.32222	0.73047	No	No
36784	TraesCS7A03G0789700	1.23142	1.99199	UP	UP
36785	TraesCS7A03G0791100	0.88761	1.322	No	No
36786	TraesCS7A03G0791500	1.21405	0.83462	No	No
36787	TraesCS7A03G0791800	0.83937	1.1953	No	No
36788	TraesCS7A03G0792300	0.94054	1.10307	No	No
36789	TraesCS7A03G0792500	0.63579	4.2477	Down	Up
36790	TraesCS7A03G0793200	1.14102	1.62685	UP	UP
36791	TraesCS7A03G0793400	1.26607	1.28966	UP	UP
36792	TraesCS7A03G0793600	1.24139	1.09508	UP	UP
36793	TraesCS7A03G0793800	1.13037	0.92269	No	No
36794	TraesCS7A03G0794900	0.69808	2.73888	Down	Up
36795	TraesCS7A03G0795000	0.85207	0.8089	Down	Down
36797	TraesCS7A03G0795300	1.07253	2.3327	Up	Up
36798	TraesCS7A03G0795500	1.01726	1.14623	UP	UP
36800	TraesCS7A03G0795800	0.96596	1.41349	No	No
36803	TraesCS7A03G0796500	1.09709	4.19479	Up	Up
36804	TraesCS7A03G0796800	3.14165	1.11157	Up	Up
36805	TraesCS7A03G0796900	2.20769	4.65438	Up	Up
36806	TraesCS7A03G0799100	0.84334	1.31728	No	No
36808	TraesCS7A03G0800300	1.72946	1.22581	UP	UP
36809	TraesCS7A03G0800800	0.41223	3.28857	Down	Up
36812	TraesCS7A03G0802000	0.93551	1.24038	No	No
36813	TraesCS7A03G0802600	1.1468	0.86152	No	No
36814	TraesCS7A03G0802800	1.10561	1.62067	UP	UP
36815	TraesCS7A03G0804400	1.04509	0.34722	Up	Down
36816	TraesCS7A03G0804600	1.38392	0.09116	Up	Down
36817	TraesCS7A03G0805000	1.70799	1.64545	UP	UP
36818	TraesCS7A03G0805100	0.95296	2.25394	Down	Up
36819	TraesCS7A03G0805500	0.84673	0.95195	Down	Down
36820	TraesCS7A03G0805700	0.87216	1.1769	No	No
36821	TraesCS7A03G0805800	1.0061	1.91721	UP	UP
36822	TraesCS7A03G0806100	1.25965	0.71182	No	No
36823	TraesCS7A03G0806200	1.32249	0.9219	No	No

36825	TraesCS7A03G0806400	1.07025	0.88089	No	No
36826	TraesCS7A03G0808100	0.88301	1.55432	No	No
36827	TraesCS7A03G0808200	1.31917	1.01664	UP	UP
36828	TraesCS7A03G0808300	1.08763	0.56926	No	No
36829	TraesCS7A03G0808400	1.74102	0.53276	No	No
36830	TraesCS7A03G0808500	0.94573	1.22935	No	No
36831	TraesCS7A03G0808700	1.07008	3.57827	Up	Up
36833	TraesCS7A03G0809800	0.82018	2.92966	Down	Up
36834	TraesCS7A03G0810200	0.43404	2.15856	Down	Up
36835	TraesCS7A03G0810300	0.74574	1.52311	No	No
36836	TraesCS7A03G0810700	0.86428	1.45595	No	No
36837	TraesCS7A03G0811800	0.72222	0.53629	Down	Down
36839	TraesCS7A03G0812100	1.04548	1.03203	UP	UP
36840	TraesCS7A03G0812300	1.07222	0.87319	No	No
36842	TraesCS7A03G0813400	0.66083	9.08165	Down	Up
36843	TraesCS7A03G0814200	1.58982	0.85793	No	No
36845	TraesCS7A03G0814800	0.80137	2.82675	Down	Up
36846	TraesCS7A03G0814900	0.25103	9.57864	Down	Up
36847	TraesCS7A03G0815000	0.91781	1.9978	No	No
36848	TraesCS7A03G0816300	1.31723	0.79558	No	No
36849	TraesCS7A03G0816900	1.17982	1.0037	UP	UP
36850	TraesCS7A03G0817600	0.73612	1.08105	No	No
36852	TraesCS7A03G0817900	0.71687	0.96341	Down	Down
36853	TraesCS7A03G0818000	0.77176	1.73303	No	No
36854	TraesCS7A03G0818100	1.25687	2.21117	Up	Up
36855	TraesCS7A03G0818700	0.70966	3.46379	Down	Up
36856	TraesCS7A03G0819600	0.64573	1.48952	No	No
36857	TraesCS7A03G0820900	0.75429	2.28885	Down	Up
36858	TraesCS7A03G0821000	0.73865	1.55285	No	No
36859	TraesCS7A03G0821100	1.0829	0.93601	No	No
36860	TraesCS7A03G0821400	0.74234	3.28678	Down	Up
36861	TraesCS7A03G0821600	0.63168	0.90295	Down	Down
36862	TraesCS7A03G0821800	0.92147	0.67064	Down	Down
36864	TraesCS7A03G0822100	1.46693	2.32736	Up	Up
36866	TraesCS7A03G0822400	1.07715	1.04837	UP	UP
36867	TraesCS7A03G0822700	1.51673	0.54831	No	No
36868	TraesCS7A03G0822800	1.03411	0.5053	No	No
36869	TraesCS7A03G0823500	0.8355	1.31999	No	No
36870	TraesCS7A03G0824500	0.87962	1.73869	No	No
36871	TraesCS7A03G0824700	0.89434	0.97811	Down	Down
36872	TraesCS7A03G0824800	0.88811	0.29387	Down	Down
36873	TraesCS7A03G0826800	0.81595	0.79332	Down	Down
36875	TraesCS7A03G0827700	0.84871	2.00958	Down	Up
36876	TraesCS7A03G0828400	1.18429	0.12706	Up	Down
36877	TraesCS7A03G0828800	1.28008	0.99317	No	No
36878	TraesCS7A03G0829900	0.80165	0.94302	Down	Down
36879	TraesCS7A03G0830300	1.00662	1.26604	UP	UP
36880	TraesCS7A03G0831400	0.95809	0.86795	Down	Down
36881	TraesCS7A03G0831800	0.86124	1.02935	No	No
36882	TraesCS7A03G0832300	0.24104	1.95622	Down	Up
36883	TraesCS7A03G0832600	0.78731	1.5621	No	No
36884	TraesCS7A03G0832800	1.11992	0.22145	Up	Down

36885	TraesCS7A03G0833000	0.81791	3.67474	Down	Up
36886	TraesCS7A03G0833400	1.01718	1.00223	UP	UP
36888	TraesCS7A03G0835900	0.47193	2.1954	Down	Up
36889	TraesCS7A03G0836500	0.9087	0.22693	Down	Down
36890	TraesCS7A03G0837600	1.29249	1.405	UP	UP
36891	TraesCS7A03G0839100	0.97572	3.80837	Down	Up
36892	TraesCS7A03G0839700	1.15679	2.22679	Up	Up
36893	TraesCS7A03G0839800	1.02824	0.50317	No	No
36894	TraesCS7A03G0840800	0.98936	1.06104	No	No
36896	TraesCS7A03G0841200	0.80692	0.81416	Down	Down
36897	TraesCS7A03G0841300	0.54412	1.14881	No	No
36898	TraesCS7A03G0841600	0.87091	0.44771	Down	Down
36899	TraesCS7A03G0841900	0.94638	1.0723	No	No
36900	TraesCS7A03G0842000	1.28554	1.25121	UP	UP
36901	TraesCS7A03G0842800	0.8721	0.57819	Down	Down
36902	TraesCS7A03G0842900	1.19731	0.82203	No	No
36903	TraesCS7A03G0843500	1.23674	1.32233	UP	UP
36904	TraesCS7A03G0843600	1.52204	0.96295	No	No
36905	TraesCS7A03G0843600	0.30139	1.07017	Down	Up
36906	TraesCS7A03G0843700	0.68583	1.16867	No	No
36907	TraesCS7A03G0843700	1.04515	0.39985	Up	Down
36908	TraesCS7A03G0843800	0.92334	0.62914	Down	Down
36909	TraesCS7A03G0844200	0.9622	0.68853	Down	Down
36910	TraesCS7A03G0844400	0.82238	2.27719	Down	Up
36912	TraesCS7A03G0845000	1.34975	1.21875	UP	UP
36913	TraesCS7A03G0845000	1.1559	1.8439	UP	UP
36914	TraesCS7A03G0845100	0.89792	1.46975	No	No
36915	TraesCS7A03G0845200	0.91101	0.73898	Down	Down
36916	TraesCS7A03G0845300	1.07118	0.82907	No	No
36917	TraesCS7A03G0845800	0.74145	1.826	No	No
36918	TraesCS7A03G0845900	0.87877	1.51656	No	No
36919	TraesCS7A03G0846900	0.8419	1.02948	No	No
36920	TraesCS7A03G0847000	1.23499	0.33222	Up	Down
36921	TraesCS7A03G0847100	0.46298	0.56259	Down	Down
36922	TraesCS7A03G0847300	0.72611	1.07922	No	No
36923	TraesCS7A03G0847900	0.57574	1.46042	No	No
36924	TraesCS7A03G0848300	0.96152	1.06316	No	No
36925	TraesCS7A03G0848400	0.76159	1.07902	No	No
36926	TraesCS7A03G0851300	1.04661	0.49034	Up	Down
36927	TraesCS7A03G0854000	0.95635	0.8674	Down	Down
36928	TraesCS7A03G0854700	2.44187	1.54545	Up	Up
36930	TraesCS7A03G0855200	1.34321	2.54908	Up	Up
36931	TraesCS7A03G0855300	0.54733	0.78514	Down	Down
36932	TraesCS7A03G0856200	0.78513	1.53142	No	No
36933	TraesCS7A03G0856400	0.57498	0.36346	Down	Down
36934	TraesCS7A03G0857000	0.30643	0.47639	Down	Down
36935	TraesCS7A03G0857300	0.73624	1.05456	No	No
36936	TraesCS7A03G0858000	0.81422	0.47291	Down	Down
36937	TraesCS7A03G0858400	0.83874	0.94188	Down	Down
36938	TraesCS7A03G0858600	1.02383	1.17365	UP	UP
36939	TraesCS7A03G0859100	0.7637	1.38323	No	No
36940	TraesCS7A03G0859400	0.82691	0.26235	Down	Down

36941	TraesCS7A03G0860500	1.23078	0.51783	No	No
36942	TraesCS7A03G0860900	1.04413	1.78754	UP	UP
36943	TraesCS7A03G0862100	0.91856	1.93636	No	No
36945	TraesCS7A03G0862400	0.97276	1.1048	No	No
36946	TraesCS7A03G0863400	0.90567	1.5999	No	No
36947	TraesCS7A03G0864200	0.93174	1.2204	No	No
36948	TraesCS7A03G0866100	0.66106	9.05417	Down	Up
36949	TraesCS7A03G0866200	0.93807	2.27388	Down	Up
36950	TraesCS7A03G0866500	0.84958	1.53839	No	No
36951	TraesCS7A03G0867300	1.45466	1.53075	UP	UP
36952	TraesCS7A03G0867400	0.93924	1.45536	No	No
36953	TraesCS7A03G0867800	1.21084	1.82207	UP	UP
36954	TraesCS7A03G0867900	0.4738	0.21336	Down	Down
36955	TraesCS7A03G0869700	1.97468	0.95153	No	No
36956	TraesCS7A03G0870200	0.66986	1.16105	No	No
36957	TraesCS7A03G0870600	0.87272	0.97491	Down	Down
36958	TraesCS7A03G0871200	1.33354	0.72697	No	No
36959	TraesCS7A03G0871300	1.15976	1.79663	UP	UP
36960	TraesCS7A03G0871600	0.66636	2.41706	Down	Up
36961	TraesCS7A03G0872300	1.18508	1.33033	UP	UP
36962	TraesCS7A03G0872300	1.13178	1.12944	UP	UP
36963	TraesCS7A03G0872300	1.39223	1.78013	UP	UP
36964	TraesCS7A03G0872300	0.70327	1.81994	No	No
36965	TraesCS7A03G0873800	1.08731	1.19228	UP	UP
36966	TraesCS7A03G0874500	0.99579	2.20524	Down	Up
36967	TraesCS7A03G0874900	2.44785	0.36249	Up	Down
36968	TraesCS7A03G0876800	0.68555	1.23033	No	No
36969	TraesCS7A03G0877900	0.95792	2.50167	Down	Up
36970	TraesCS7A03G0878000	1.35255	0.90408	No	No
36971	TraesCS7A03G0878300	1.08391	1.37156	UP	UP
36973	TraesCS7A03G0880100	0.86205	0.5161	Down	Down
36974	TraesCS7A03G0880200	1.04694	0.60427	No	No
36975	TraesCS7A03G0882900	0.46271	1.71707	Down	Up
36976	TraesCS7A03G0883000	1.4534	1.8065	UP	UP
36977	TraesCS7A03G0883200	0.98257	1.56044	No	No
36978	TraesCS7A03G0883300	2.00711	3.01346	Up	Up
36979	TraesCS7A03G0884000	0.11794	1.79222	Down	Up
36980	TraesCS7A03G0884900	0.74436	1.27695	No	No
36981	TraesCS7A03G0885000	1.08655	1.36651	UP	UP
36982	TraesCS7A03G0885500	0.93335	1.39098	No	No
36983	TraesCS7A03G0885900	1.47436	0.82738	No	No
36984	TraesCS7A03G0886400	0.74783	1.15746	No	No
36985	TraesCS7A03G0886800	1.4818	0.18887	Up	Down
36986	TraesCS7A03G0889100	1.88782	0.35187	Up	Down
36987	TraesCS7A03G0889800	1.25882	0.8736	No	No
36988	TraesCS7A03G0889900	0.94026	1.07646	No	No
36989	TraesCS7A03G0890200	0.93963	1.43637	No	No
36990	TraesCS7A03G0890400	0.94447	2.58612	Down	Up
36991	TraesCS7A03G0890800	1.16963	49.1726	Up	Up
36992	TraesCS7A03G0891000	2.37593	2.11347	UP	UP
36993	TraesCS7A03G0891600	1.48097	1.22911	UP	UP
36994	TraesCS7A03G0891900	1.44411	0.52665	No	No

36996	TraesCS7A03G0892600	0.62696	12.0457	Down	Up
36997	TraesCS7A03G0892700	0.82273	1.45079	No	No
36998	TraesCS7A03G0893100	0.79222	1.60941	No	No
36999	TraesCS7A03G0894900	0.96341	1.62592	No	No
37000	TraesCS7A03G0895200	0.42256	4.60414	Down	Up
37001	TraesCS7A03G0895700	0.48091	5.8935	Down	Up
37002	TraesCS7A03G0895800	0.52681	5.39711	Down	Up
37003	TraesCS7A03G0896500	1.28666	1.62191	UP	UP
37004	TraesCS7A03G0898000	1.09391	1.12544	UP	UP
37005	TraesCS7A03G0899600	0.45688	3.74803	Down	Up
37007	TraesCS7A03G0899800	1.03281	2.02474	Up	Up
37008	TraesCS7A03G0900000	1.00106	1.05263	UP	UP
37009	TraesCS7A03G0900900	0.88636	1.26603	No	No
37010	TraesCS7A03G0901000	0.94376	1.13612	No	No
37011	TraesCS7A03G0901400	1.01241	7.94014	Up	Up
37012	TraesCS7A03G0901600	1.197	1.11421	UP	UP
37013	TraesCS7A03G0902100	0.92912	1.76979	No	No
37015	TraesCS7A03G0902900	1.46485	1.68991	UP	UP
37016	TraesCS7A03G0903400	0.61982	1.26273	No	No
37017	TraesCS7A03G0903800	1.32836	3.18754	Up	Up
37018	TraesCS7A03G0905100	1.51042	0.49457	Up	Down
37019	TraesCS7A03G0905500	1.10732	0.57301	No	No
37020	TraesCS7A03G0905700	0.37061	0.92572	Down	Down
37021	TraesCS7A03G0906800	0.99229	0.40552	Down	Down
37022	TraesCS7A03G0907100	0.9725	1.40069	No	No
37023	TraesCS7A03G0907200	0.70533	1.96672	No	No
37028	TraesCS7A03G0909500	0.89903	0.93456	Down	Down
37029	TraesCS7A03G0909700	1.18306	0.71054	No	No
37030	TraesCS7A03G0909800	1.30347	0.27634	Up	Down
37031	TraesCS7A03G0911400	0.92776	1.14127	No	No
37032	TraesCS7A03G0911700	0.91136	2.0928	Down	Up
37033	TraesCS7A03G0912600	0.5366	1.58882	No	No
37034	TraesCS7A03G0912800	0.9053	3.52109	Down	Up
37035	TraesCS7A03G0913800	1.37329	0.52518	No	No
37036	TraesCS7A03G0914900	1.02296	1.29396	UP	UP
37037	TraesCS7A03G0915100	1.18354	0.81237	No	No
37038	TraesCS7A03G0915800	1.42775	0.1481	Up	Down
37039	TraesCS7A03G0916400	1.19141	1.16053	UP	UP
37040	TraesCS7A03G0916600	1.00582	0.94486	No	No
37041	TraesCS7A03G0916700	0.62768	0.68947	Down	Down
37042	TraesCS7A03G0916800	1.0741	0.11423	Up	Down
37043	TraesCS7A03G0917200	0.96924	0.74085	Down	Down
37044	TraesCS7A03G0917400	1.06828	1.12693	UP	UP
37045	TraesCS7A03G0917400	1.25853	0.89607	No	No
37046	TraesCS7A03G0918700	0.39497	2.69467	Down	Up
37048	TraesCS7A03G0919700	1.03202	0.48823	Up	Down
37049	TraesCS7A03G0919800	1.57376	0.97371	No	No
37050	TraesCS7A03G0919900	0.6993	5.95785	Down	Up
37051	TraesCS7A03G0920200	0.85548	2.44709	Down	Up
37052	TraesCS7A03G0920400	1.32847	0.46351	Up	Down
37053	TraesCS7A03G0920500	0.8212	3.36486	Down	Up
37054	TraesCS7A03G0920600	0.44339	1.93311	Down	Up

37056	TraesCS7A03G0921100	0.77699	1.10993	No	No
37059	TraesCS7A03G0922700	0.74433	0.66693	Down	Down
37060	TraesCS7A03G0922900	1.20978	0.77272	No	No
37061	TraesCS7A03G0923800	0.86609	1.31318	No	No
37062	TraesCS7A03G0924100	0.80449	0.92243	Down	Down
37063	TraesCS7A03G0924300	0.83844	2.26939	Down	Up
37064	TraesCS7A03G0924700	0.81768	0.35951	Down	Down
37065	TraesCS7A03G0924800	0.84901	2.04936	Down	Up
37066	TraesCS7A03G0924900	1.42945	0.22559	Up	Down
37067	TraesCS7A03G0924900	1.37162	0.14713	Up	Down
37068	TraesCS7A03G0925100	0.55365	0.87617	Down	Down
37069	TraesCS7A03G0926300	1.00467	1.16711	UP	UP
37070	TraesCS7A03G0926400	0.77314	1.24481	No	No
37071	TraesCS7A03G0926800	1.14219	1.03096	UP	UP
37072	TraesCS7A03G0926900	1.06296	0.58476	No	No
37073	TraesCS7A03G0927100	0.61022	5.16177	Down	Up
37075	TraesCS7A03G0928800	0.88669	1.71043	No	No
37076	TraesCS7A03G0929100	0.69855	0.95735	Down	Down
37077	TraesCS7A03G0929900	0.95831	1.03111	No	No
37078	TraesCS7A03G0930000	0.94231	1.67602	No	No
37079	TraesCS7A03G0930200	0.93492	1.06974	No	No
37080	TraesCS7A03G0930400	0.79825	1.70681	No	No
37081	TraesCS7A03G0930800	1.83346	0.40529	Up	Down
37082	TraesCS7A03G0931500	1.23623	0.27419	Up	Down
37083	TraesCS7A03G0931700	0.80726	1.10472	No	No
37084	TraesCS7A03G0931900	0.86606	0.32705	Down	Down
37085	TraesCS7A03G0932000	1.36985	1.43434	UP	UP
37086	TraesCS7A03G0932200	3.22766	0.80325	Up	Down
37087	TraesCS7A03G0932200	1.12675	0.70798	No	No
37088	TraesCS7A03G0932600	0.60905	2.69176	Down	Up
37089	TraesCS7A03G0932700	1.08227	0.73716	No	No
37090	TraesCS7A03G0932800	0.97366	0.36032	Down	Down
37091	TraesCS7A03G0933000	1.11725	1.00636	UP	UP
37092	TraesCS7A03G0933300	0.68552	2.35797	Down	Up
37093	TraesCS7A03G0933700	1.38341	0.36585	Up	Down
37094	TraesCS7A03G0933900	1.10088	0.79012	No	No
37096	TraesCS7A03G0934200	0.72062	1.50537	No	No
37097	TraesCS7A03G0934300	0.86333	0.82577	Down	Down
37098	TraesCS7A03G0934700	0.85921	0.8709	Down	Down
37099	TraesCS7A03G0936200	1.20257	1.04062	UP	UP
37100	TraesCS7A03G0939400	0.8805	1.04906	No	No
37101	TraesCS7A03G0941000	0.68519	1.4389	No	No
37102	TraesCS7A03G0941400	0.95649	0.8499	Down	Down
37103	TraesCS7A03G0941600	0.81419	3.94488	Down	Up
37104	TraesCS7A03G0943400	1.06674	0.43213	Up	Down
37105	TraesCS7A03G0944400	0.92893	1.27998	No	No
37106	TraesCS7A03G0944900	1.24839	1.07232	UP	UP
37107	TraesCS7A03G0946200	0.97883	1.80139	No	No
37108	TraesCS7A03G0946700	0.62047	0.88196	Down	Down
37109	TraesCS7A03G0946800	1.28408	0.49857	Up	Down
37110	TraesCS7A03G0946900	0.64669	1.54817	No	No
37111	TraesCS7A03G0947700	1.63102	0.60448	No	No

37113	TraesCS7A03G0949700	1.15899	1.01869	UP	UP
37114	TraesCS7A03G0949800	0.94161	1.47167	No	No
37116	TraesCS7A03G0954200	0.67766	1.27066	No	No
37117	TraesCS7A03G0954700	1.09024	1.02887	UP	UP
37118	TraesCS7A03G0955000	0.98094	0.60927	Down	Down
37119	TraesCS7A03G0955800	1.38763	0.45261	Up	Down
37121	TraesCS7A03G0956300	1.17206	0.94236	No	No
37122	TraesCS7A03G0956600	0.58175	4.68254	Down	Up
37123	TraesCS7A03G0958400	1.12029	0.27947	Up	Down
37124	TraesCS7A03G0958500	0.83694	1.08457	No	No
37125	TraesCS7A03G0959500	1.18794	0.82847	No	No
37126	TraesCS7A03G0959600	1.2935	1.13223	UP	UP
37128	TraesCS7A03G0961600	0.34312	1.46203	Down	Up
37129	TraesCS7A03G0962000	0.53392	0.80535	Down	Down
37130	TraesCS7A03G0963000	1.15312	1.07292	UP	UP
37134	TraesCS7A03G0963800	1.07454	1.71713	UP	UP
37135	TraesCS7A03G0964200	0.8398	1.08421	No	No
37136	TraesCS7A03G0964300	0.87554	1.48933	No	No
37137	TraesCS7A03G0964400	0.75214	3.73597	Down	Up
37138	TraesCS7A03G0971500	2.61713	0.60549	Up	Down
37139	TraesCS7A03G0973200	0.26571	0.36655	Down	Down
37140	TraesCS7A03G0973400	0.87474	1.11275	No	No
37141	TraesCS7A03G0973700	1.52541	1.43872	UP	UP
37142	TraesCS7A03G0973800	0.76406	1.46925	No	No
37143	TraesCS7A03G0973900	0.92964	0.65886	Down	Down
37145	TraesCS7A03G0974200	1.15115	1.72727	UP	UP
37147	TraesCS7A03G0975200	1.09745	0.84891	No	No
37148	TraesCS7A03G0976300	0.95785	1.74689	No	No
37150	TraesCS7A03G0978900	1.35043	0.60349	No	No
37151	TraesCS7A03G0982800	1.15112	11.9719	Up	Up
37152	TraesCS7A03G0983400	0.96779	1.64574	No	No
37153	TraesCS7A03G0983500	1.14798	1.14557	UP	UP
37154	TraesCS7A03G0983600	1.15845	0.80952	No	No
37155	TraesCS7A03G0983700	0.76537	1.26634	No	No
37157	TraesCS7A03G0985500	0.73374	1.35883	No	No
37159	TraesCS7A03G0986300	0.86902	0.38184	Down	Down
37160	TraesCS7A03G0986800	0.84651	0.82878	Down	Down
37161	TraesCS7A03G0987100	0.73457	1.72817	No	No
37162	TraesCS7A03G0988300	0.76673	0.54311	Down	Down
37163	TraesCS7A03G0988600	1.43428	2.12504	Up	Up
37164	TraesCS7A03G0989500	1.2748	0.80027	No	No
37165	TraesCS7A03G0989500	0.68469	1.52313	No	No
37166	TraesCS7A03G0990800	0.88226	0.93878	Down	Down
37167	TraesCS7A03G0991400	1.10165	0.58134	No	No
37168	TraesCS7A03G0991900	0.94214	1.00281	No	No
37169	TraesCS7A03G0992800	1.65994	1.43642	UP	UP
37170	TraesCS7A03G0993100	1.20893	1.0876	UP	UP
37171	TraesCS7A03G0993200	0.78098	0.5848	Down	Down
37172	TraesCS7A03G0993300	0.59723	1.21179	No	No
37173	TraesCS7A03G0993300	0.70302	1.99688	No	No
37174	TraesCS7A03G0993400	0.89945	2.37474	Down	Up
37175	TraesCS7A03G0993500	1.60135	0.89344	No	No

37177	TraesCS7A03G0995000	0.94137	7.39415	Down	Up
37178	TraesCS7A03G0997100	1.30722	0.35242	Up	Down
37179	TraesCS7A03G0997400	0.74661	8.00347	Down	Up
37180	TraesCS7A03G0997500	1.16333	1.7527	UP	UP
37181	TraesCS7A03G0998900	1.50107	0.60302	No	No
37182	TraesCS7A03G0999600	1.04372	1.81382	UP	UP
37183	TraesCS7A03G1001100	2.38558	0.62946	Up	Down
37184	TraesCS7A03G1001200	1.38951	0.71526	No	No
37185	TraesCS7A03G1001600	1.63158	1.60448	UP	UP
37186	TraesCS7A03G1001600	0.54783	0.52581	Down	Down
37187	TraesCS7A03G1001800	1.02492	0.36637	Up	Down
37188	TraesCS7A03G1001900	1.83671	1.6703	UP	UP
37189	TraesCS7A03G1002200	0.86819	1.24522	No	No
37190	TraesCS7A03G1003500	1.22616	0.12354	Up	Down
37191	TraesCS7A03G1004800	0.95175	1.1725	No	No
37192	TraesCS7A03G1005300	1.02186	1.599	UP	UP
37193	TraesCS7A03G1005400	1.02763	0.18657	Up	Down
37194	TraesCS7A03G1005600	0.57416	1.42387	No	No
37196	TraesCS7A03G1006300	0.79618	2.42066	Down	Up
37197	TraesCS7A03G1006400	1.0187	0.93931	No	No
37198	TraesCS7A03G1007200	2.14134	0.80665	Up	Down
37199	TraesCS7A03G1007300	1.60051	0.86382	No	No
37200	TraesCS7A03G1007900	0.9818	1.16287	No	No
37201	TraesCS7A03G1008200	1.07659	0.63805	No	No
37202	TraesCS7A03G1008400	0.78619	1.03066	No	No
37203	TraesCS7A03G1009700	0.93281	1.62498	No	No
37206	TraesCS7A03G1014700	1.23674	1.81772	UP	UP
37207	TraesCS7A03G1015500	0.91668	1.48226	No	No
37208	TraesCS7A03G1015800	1.04618	0.88081	No	No
37209	TraesCS7A03G1016200	0.94404	0.85919	Down	Down
37210	TraesCS7A03G1016300	0.73263	0.90869	Down	Down
37211	TraesCS7A03G1017600	0.93052	0.4827	Down	Down
37212	TraesCS7A03G1017900	1.07311	1.48008	UP	UP
37213	TraesCS7A03G1018500	1.69561	3.66286	Up	Up
37216	TraesCS7A03G1020100	1.43198	1.5989	UP	UP
37217	TraesCS7A03G1022200	1.00037	0.48881	Up	Down
37218	TraesCS7A03G1022300	0.65605	0.82936	Down	Down
37219	TraesCS7A03G1022800	0.84707	1.2246	No	No
37220	TraesCS7A03G1022900	0.90232	2.33808	Down	Up
37221	TraesCS7A03G1025200	1.09111	1.00762	UP	UP
37222	TraesCS7A03G1025200	1.16239	0.7983	No	No
37223	TraesCS7A03G1025500	0.93592	1.13253	No	No
37225	TraesCS7A03G1028600	1.09466	2.56557	Up	Up
37226	TraesCS7A03G1028600	1.35218	0.98669	No	No
37227	TraesCS7A03G1030300	1.29168	1.08902	UP	UP
37228	TraesCS7A03G1030600	2.75672	1.21673	Up	Up
37229	TraesCS7A03G1031600	0.53432	3.42768	Down	Up
37230	TraesCS7A03G1031700	1.18347	1.11807	UP	UP
37231	TraesCS7A03G1032000	1.09646	0.74182	No	No
37232	TraesCS7A03G1033100	1.17798	1.05012	UP	UP
37233	TraesCS7A03G1033400	1.89826	1.13873	UP	UP
37234	TraesCS7A03G1034800	0.69078	0.85758	Down	Down

37236	TraesCS7A03G1036700	0.62459	3.3873	Down	Up
37237	TraesCS7A03G1037300	1.01543	0.33143	Up	Down
37238	TraesCS7A03G1037400	0.94401	1.84681	No	No
37239	TraesCS7A03G1040200	0.86936	2.60448	Down	Up
37240	TraesCS7A03G1040600	0.80871	1.50027	No	No
37241	TraesCS7A03G1041400	1.24078	1.25854	UP	UP
37242	TraesCS7A03G1042900	1.23567	0.3463	Up	Down
37243	TraesCS7A03G1043100	1.44866	0.5496	No	No
37245	TraesCS7A03G1043900	0.83668	0.51587	Down	Down
37246	TraesCS7A03G1047500	0.99725	2.45781	Down	Up
37247	TraesCS7A03G1048200	0.95597	0.55263	Down	Down
37248	TraesCS7A03G1048800	1.06904	2.36342	Up	Up
37249	TraesCS7A03G1048900	0.97307	1.1272	No	No
37251	TraesCS7A03G1050400	0.88965	0.94593	Down	Down
37255	TraesCS7A03G1051200	0.65556	1.43677	No	No
37257	TraesCS7A03G1052300	1.26362	1.32866	UP	UP
37259	TraesCS7A03G1052600	0.69548	3.38574	Down	Up
37260	TraesCS7A03G1054700	0.75875	1.91637	No	No
37261	TraesCS7A03G1056400	2.00874	1.07891	Up	Up
37262	TraesCS7A03G1056400	1.48867	1.50864	UP	UP
37263	TraesCS7A03G1056400	1.44937	0.6807	No	No
37264	TraesCS7A03G1058400	0.70755	0.73503	Down	Down
37265	TraesCS7A03G1061100	1.02708	1.14102	UP	UP
37266	TraesCS7A03G1061200	0.91202	1.01481	No	No
37267	TraesCS7A03G1061800	1.38098	1.84316	UP	UP
37268	TraesCS7A03G1061900	0.87454	1.70547	No	No
37269	TraesCS7A03G1062100	0.64249	2.37495	Down	Up
37270	TraesCS7A03G1062200	0.77023	1.61016	No	No
37271	TraesCS7A03G1062400	0.76795	1.63871	No	No
37272	TraesCS7A03G1064200	1.00938	0.66948	No	No
37273	TraesCS7A03G1064600	0.70224	1.15093	No	No
37274	TraesCS7A03G1065800	1.16946	0.49328	Up	Down
37275	TraesCS7A03G1066800	0.96072	0.93064	Down	Down
37276	TraesCS7A03G1066900	0.82331	0.99923	Down	Down
37277	TraesCS7A03G1069600	0.96415	1.41646	No	No
37278	TraesCS7A03G1069900	1.12854	1.78322	UP	UP
37279	TraesCS7A03G1070800	1.82992	0.93421	No	No
37280	TraesCS7A03G1071300	1.84108	0.37668	Up	Down
37281	TraesCS7A03G1073100	1.11757	0.6042	No	No
37282	TraesCS7A03G1073700	0.78126	2.55311	Down	Up
37284	TraesCS7A03G1074400	1.26216	0.54116	No	No
37285	TraesCS7A03G1075600	0.8062	1.27673	No	No
37286	TraesCS7A03G1075600	1.60309	0.93499	No	No
37287	TraesCS7A03G1076700	0.94996	0.76695	Down	Down
37288	TraesCS7A03G1080800	1.009	1.26013	UP	UP
37289	TraesCS7A03G1080900	0.27429	0.55683	Down	Down
37290	TraesCS7A03G1081000	0.90512	1.07332	No	No
37291	TraesCS7A03G1081900	1.00689	0.80574	No	No
37292	TraesCS7A03G1082000	1.36667	1.50579	UP	UP
37293	TraesCS7A03G1082200	0.3778	8.37054	Down	Up
37294	TraesCS7A03G1082300	1.03623	2.12294	Up	Up
37295	TraesCS7A03G1082400	0.78942	1.74026	No	No

37297	TraesCS7A03G1085100	0.85435	0.9215	Down	Down
37298	TraesCS7A03G1087100	0.86833	0.40506	Down	Down
37299	TraesCS7A03G1088600	3.01121	0.51699	Up	Down
37300	TraesCS7A03G1088700	1.53124	0.88493	No	No
37301	TraesCS7A03G1090400	2.58658	1.52566	Up	Up
37302	TraesCS7A03G1091000	0.68766	22.8542	Down	Up
37303	TraesCS7A03G1091400	0.70605	0.45647	Down	Down
37304	TraesCS7A03G1092100	0.75209	1.13919	No	No
37306	TraesCS7A03G1095200	1.08686	1.08217	UP	UP
37308	TraesCS7A03G1095800	1.01375	1.02028	UP	UP
37311	TraesCS7A03G1099800	0.51699	1.14696	No	No
37312	TraesCS7A03G1099900	0.60912	0.57396	Down	Down
37314	TraesCS7A03G1100500	0.80615	0.87294	Down	Down
37315	TraesCS7A03G1100700	0.7609	1.58591	No	No
37316	TraesCS7A03G1101600	0.72782	1.5806	No	No
37317	TraesCS7A03G1102600	0.70306	1.62855	No	No
37318	TraesCS7A03G1103500	0.42964	5.64717	Down	Up
37320	TraesCS7A03G1104100	1.28989	1.15056	UP	UP
37321	TraesCS7A03G1104200	0.77169	1.27529	No	No
37322	TraesCS7A03G1104300	1.12991	2.84505	Up	Up
37324	TraesCS7A03G1106300	1.25333	0.38296	Up	Down
37325	TraesCS7A03G1110200	0.9611	0.60373	Down	Down
37326	TraesCS7A03G1111000	0.87904	1.2311	No	No
37327	TraesCS7A03G1111300	0.59262	1.11366	No	No
37328	TraesCS7A03G1111500	0.88142	1.53926	No	No
37329	TraesCS7A03G1113800	1.34133	1.21819	UP	UP
37330	TraesCS7A03G1116600	0.82238	0.56806	Down	Down
37332	TraesCS7A03G1117000	0.86774	0.07591	Down	Down
37333	TraesCS7A03G1117900	0.38715	2.0485	Down	Up
37335	TraesCS7A03G1118400	0.75781	0.52064	Down	Down
37336	TraesCS7A03G1119800	0.76368	1.2438	No	No
37337	TraesCS7A03G1119900	1.72334	1.38449	UP	UP
37338	TraesCS7A03G1120900	1.23778	1.86476	UP	UP
37339	TraesCS7A03G1121400	0.78175	1.06544	No	No
37340	TraesCS7A03G1121700	0.93556	1.07215	No	No
37342	TraesCS7A03G1122300	1.56994	0.94109	No	No
37343	TraesCS7A03G1123300	0.5836	1.6553	No	No
37344	TraesCS7A03G1123500	0.84305	0.99947	Down	Down
37345	TraesCS7A03G1123600	0.90652	1.54537	No	No
37346	TraesCS7A03G1123700	1.89543	0.71458	No	No
37347	TraesCS7A03G1124000	1.19104	0.91184	No	No
37348	TraesCS7A03G1124400	0.82901	2.07855	Down	Up
37349	TraesCS7A03G1125300	0.85196	2.68423	Down	Up
37350	TraesCS7A03G1126000	0.52988	15.2555	Down	Up
37351	TraesCS7A03G1126100	0.87925	0.8223	Down	Down
37352	TraesCS7A03G1126900	0.92	1.38198	No	No
37353	TraesCS7A03G1127800	1.79699	1.02538	UP	UP
37354	TraesCS7A03G1127900	1.18023	0.55341	No	No
37355	TraesCS7A03G1128200	1.31525	2.58617	Up	Up
37356	TraesCS7A03G1128400	1.34553	1.46059	UP	UP
37357	TraesCS7A03G1131700	0.72196	1.66641	No	No
37358	TraesCS7A03G1132200	0.7876	1.90707	No	No

37359	TraesCS7A03G1132600	0.92407	0.57927	Down	Down
37360	TraesCS7A03G1132800	0.95671	0.92577	Down	Down
37362	TraesCS7A03G1135900	0.63807	2.78135	Down	Up
37363	TraesCS7A03G1136000	1.08688	1.78678	UP	UP
37364	TraesCS7A03G1137100	0.79304	1.50771	No	No
37365	TraesCS7A03G1138800	1.07008	1.05793	UP	UP
37366	TraesCS7A03G1139900	1.30992	1.16317	UP	UP
37367	TraesCS7A03G1140800	1.24928	1.14866	UP	UP
37368	TraesCS7A03G1141100	1.33294	0.88554	No	No
37369	TraesCS7A03G1141200	0.83348	2.68499	Down	Up
37370	TraesCS7A03G1141400	0.7459	0.35295	Down	Down
37371	TraesCS7A03G1141400	1.04336	0.77019	No	No
37372	TraesCS7A03G1144700	0.48663	1.83537	Down	Up
37373	TraesCS7A03G1144900	0.89242	1.72351	No	No
37375	TraesCS7A03G1145600	0.88758	2.55484	Down	Up
37376	TraesCS7A03G1149500	1.1775	0.8115	No	No
37377	TraesCS7A03G1152900	1.7496	0.49634	Up	Down
37378	TraesCS7A03G1153100	1.69924	0.986	No	No
37379	TraesCS7A03G1153300	1.19169	0.73339	No	No
37380	TraesCS7A03G1153600	0.26773	0.65049	Down	Down
37381	TraesCS7A03G1153800	1.52929	0.87002	No	No
37382	TraesCS7A03G1153800	1.82185	1.20972	UP	UP
37383	TraesCS7A03G1155300	0.63614	1.22428	No	No
37384	TraesCS7A03G1156600	1.29222	0.5193	No	No
37385	TraesCS7A03G1157800	0.54406	1.51404	No	No
37386	TraesCS7A03G1158400	1.50715	0.8728	No	No
37387	TraesCS7A03G1158600	1.02631	1.62431	UP	UP
37388	TraesCS7A03G1158700	1.19032	0.72071	No	No
37389	TraesCS7A03G1158900	1.43793	1.11559	UP	UP
37390	TraesCS7A03G1159600	0.91277	1.33263	No	No
37391	TraesCS7A03G1159700	0.39402	2.18639	Down	Up
37393	TraesCS7A03G1161300	0.98492	0.92748	Down	Down
37394	TraesCS7A03G1161400	0.88483	0.73147	Down	Down
37395	TraesCS7A03G1163900	0.78564	0.46178	Down	Down
37396	TraesCS7A03G1165800	0.81567	0.83704	Down	Down
37397	TraesCS7A03G1166100	2.07175	0.50756	Up	Down
37398	TraesCS7A03G1166900	0.91892	0.75617	Down	Down
37399	TraesCS7A03G1167200	0.79058	1.79022	No	No
37400	TraesCS7A03G1169700	0.49961	4.43421	Down	Up
37401	TraesCS7A03G1171000	1.09799	1.25917	UP	UP
37402	TraesCS7A03G1171500	0.56333	2.34287	Down	Up
37403	TraesCS7A03G1171600	0.88189	1.32461	No	No
37404	TraesCS7A03G1173000	0.68209	0.49168	Down	Down
37405	TraesCS7A03G1173200	1.45721	0.58817	No	No
37408	TraesCS7A03G1176300	1.01348	0.41764	Up	Down
37409	TraesCS7A03G1177900	0.43666	0.92766	Down	Down
37410	TraesCS7A03G1177900	0.79776	0.72821	Down	Down
37411	TraesCS7A03G1179000	0.826	0.78307	Down	Down
37412	TraesCS7A03G1179100	1.70226	2.0281	UP	UP
37414	TraesCS7A03G1181700	1.18984	1.25859	UP	UP
37415	TraesCS7A03G1181800	0.94663	2.92474	Down	Up
37416	TraesCS7A03G1182400	0.94111	0.36514	Down	Down

37417	TraesCS7A03G1182900	0.893	1.0769	No	No
37418	TraesCS7A03G1183800	0.99538	2.09707	Down	Up
37419	TraesCS7A03G1183800	1.55145	2.60559	Up	Up
37420	TraesCS7A03G1184600	0.16283	16.6893	Down	Up
37421	TraesCS7A03G1186200	0.76582	1.31225	No	No
37422	TraesCS7A03G1186300	1.15951	1.75127	UP	UP
37423	TraesCS7A03G1187600	0.90996	0.46477	Down	Down
37424	TraesCS7A03G1188400	0.8374	1.69404	No	No
37425	TraesCS7A03G1188500	1.43823	2.44872	Up	Up
37426	TraesCS7A03G1190000	1.39044	0.80985	No	No
37427	TraesCS7A03G1190100	1.01094	1.47597	UP	UP
37428	TraesCS7A03G1194600	1.76663	0.48421	Up	Down
37429	TraesCS7A03G1196600	0.53689	2.12722	Down	Up
37430	TraesCS7A03G1201200	1.22013	0.69652	No	No
37431	TraesCS7A03G1201300	0.90824	0.32757	Down	Down
37432	TraesCS7A03G1201700	0.81164	0.71831	Down	Down
37433	TraesCS7A03G1202300	0.80116	1.69619	No	No
37434	TraesCS7A03G1202700	1.10073	4.65369	Up	Up
37435	TraesCS7A03G1203400	1.24344	0.45292	Up	Down
37436	TraesCS7A03G1203500	1.39634	1.55424	UP	UP
37438	TraesCS7A03G1205800	1.43584	0.59679	No	No
37439	TraesCS7A03G1210400	0.82389	2.19778	Down	Up
37440	TraesCS7A03G1212400	0.71716	8.54038	Down	Up
37441	TraesCS7A03G1212700	0.81074	2.35832	Down	Up
37442	TraesCS7A03G1214100	0.727	0.86607	Down	Down
37444	TraesCS7A03G1217500	0.80887	1.27768	No	No
37445	TraesCS7A03G1219000	1.2347	0.82286	No	No
37447	TraesCS7A03G1219600	0.73104	1.11079	No	No
37448	TraesCS7A03G1222500	0.51442	1.02513	No	No
37449	TraesCS7A03G1222600	0.72504	2.07163	Down	Up
37450	TraesCS7A03G1223100	0.76447	0.55467	Down	Down
37451	TraesCS7A03G1223700	0.18184	1.67088	Down	Up
37452	TraesCS7A03G1224500	0.95347	0.93436	Down	Down
37453	TraesCS7A03G1224600	1.09211	2.56262	Up	Up
37454	TraesCS7A03G1224700	0.36347	8.39001	Down	Up
37455	TraesCS7A03G1224900	0.76685	1.90792	No	No
37456	TraesCS7A03G1225100	1.05955	0.63266	No	No
37458	TraesCS7A03G1225700	1.32511	2.58504	Up	Up
37459	TraesCS7A03G1225900	1.46905	3.98522	Up	Up
37460	TraesCS7A03G1227400	0.95351	1.11612	No	No
37461	TraesCS7A03G1227600	0.84214	1.99251	No	No
37462	TraesCS7A03G1227700	0.70022	9.16453	Down	Up
37463	TraesCS7A03G1227900	1.02262	0.5653	No	No
37464	TraesCS7A03G1228000	0.63494	1.21795	No	No
37465	TraesCS7A03G1229000	0.9639	0.5965	Down	Down
37466	TraesCS7A03G1229100	0.48836	0.33682	Down	Down
37467	TraesCS7A03G1230300	0.54995	18.6568	Down	Up
37469	TraesCS7A03G1231500	0.78248	1.07624	No	No
37470	TraesCS7A03G1234000	0.98952	1.42383	No	No
37471	TraesCS7A03G1236200	1.21696	3.52916	Up	Up
37472	TraesCS7A03G1238700	1.10698	1.843	UP	UP
37475	TraesCS7A03G1241600	0.93226	1.59417	No	No

37476	TraesCS7A03G1242000	2.36468	0.34769	Up	Down
37477	TraesCS7A03G1242000	2.35291	0.44121	Up	Down
37478	TraesCS7A03G1242600	0.68675	1.45426	No	No
37479	TraesCS7A03G1243400	0.92272	4.97341	Down	Up
37480	TraesCS7A03G1243800	0.50195	2.79182	Down	Up
37481	TraesCS7A03G1249500	0.956	0.40137	Down	Down
37482	TraesCS7A03G1250500	1.41886	1.07114	UP	UP
37483	TraesCS7A03G1250700	1.13792	1.0805	UP	UP
37484	TraesCS7A03G1251100	0.81892	0.71408	Down	Down
37485	TraesCS7A03G1253800	0.80307	0.94751	Down	Down
37486	TraesCS7A03G1254000	0.89943	2.24075	Down	Up
37487	TraesCS7A03G1255100	1.07242	1.32707	UP	UP
37488	TraesCS7A03G1255700	0.67892	2.14411	Down	Up
37489	TraesCS7A03G1255900	0.71714	0.91801	Down	Down
37490	TraesCS7A03G1257300	0.79833	1.29779	No	No
37491	TraesCS7A03G1257400	0.81685	0.28968	Down	Down
37492	TraesCS7A03G1257700	0.90509	1.52905	No	No
37493	TraesCS7A03G1257900	1.18237	1.65048	UP	UP
37495	TraesCS7A03G1260300	1.19116	1.34423	UP	UP
37496	TraesCS7A03G1261200	0.73516	0.81976	Down	Down
37500	TraesCS7A03G1263400	0.92218	1.34187	No	No
37501	TraesCS7A03G1263800	1.07629	1.59421	UP	UP
37502	TraesCS7A03G1263900	0.99118	1.91289	No	No
37503	TraesCS7A03G1265100	0.66701	1.12569	No	No
37504	TraesCS7A03G1266300	0.77273	1.62984	No	No
37505	TraesCS7A03G1266900	0.9249	0.83753	Down	Down
37506	TraesCS7A03G1267000	1.23151	1.44734	UP	UP
37507	TraesCS7A03G1267100	0.80172	2.07199	Down	Up
37508	TraesCS7A03G1267400	1.35459	0.60439	No	No
37509	TraesCS7A03G1268100	0.81644	1.68449	No	No
37510	TraesCS7A03G1270500	0.88516	1.35676	No	No
37511	TraesCS7A03G1271500	0.92605	11.34	Down	Up
37512	TraesCS7A03G1271900	0.76133	1.42565	No	No
37516	TraesCS7A03G1273600	0.63253	3.55378	Down	Up
37517	TraesCS7A03G1275100	0.76265	1.01488	No	No
37518	TraesCS7A03G1275300	0.94335	1.4106	No	No
37519	TraesCS7A03G1278100	1.02908	0.37205	Up	Down
37520	TraesCS7A03G1278700	1.7126	2.49725	Up	Up
37521	TraesCS7A03G1278800	0.77415	0.50401	Down	Down
37522	TraesCS7A03G1279000	0.85244	0.93232	Down	Down
37523	TraesCS7A03G1283300	0.56449	1.53411	No	No
37524	TraesCS7A03G1283700	0.9851	8.6914	Down	Up
37525	TraesCS7A03G1284900	0.89918	1.46509	No	No
37526	TraesCS7A03G1285000	1.13339	1.33488	UP	UP
37527	TraesCS7A03G1285300	1.05195	0.73479	No	No
37528	TraesCS7A03G1285700	3.58342	0.83029	Up	Down
37529	TraesCS7A03G1286100	1.60082	0.38805	Up	Down
37530	TraesCS7A03G1286300	2.20589	0.54715	Up	Down
37531	TraesCS7A03G1286700	1.44558	0.39114	Up	Down
37533	TraesCS7A03G1288100	0.5959	10.512	Down	Up
37534	TraesCS7A03G1288800	1.35148	0.53172	No	No
37535	TraesCS7A03G1296500	0.73896	0.9371	Down	Down

37537	TraesCS7A03G1298300	0.68986	0.39433	Down	Down
37538	TraesCS7A03G1299500	3.43298	1.20334	Up	Up
37539	TraesCS7A03G1299900	1.13377	0.56349	No	No
37540	TraesCS7A03G1300000	0.38635	0.7089	Down	Down
37541	TraesCS7A03G1305400	0.76227	1.12023	No	No
37542	TraesCS7A03G1307300	1.22017	0.12534	Up	Down
37544	TraesCS7A03G1307800	1.25992	0.88636	No	No
37545	TraesCS7A03G1307900	1.26055	0.81469	No	No
37546	TraesCS7A03G1308000	0.62249	6.13568	Down	Up
37547	TraesCS7A03G1308100	2.06795	0.30528	Up	Down
37548	TraesCS7A03G1311200	0.84519	1.77155	No	No
37549	TraesCS7A03G1312100	0.37304	4.79499	Down	Up
37550	TraesCS7A03G1313600	1.05492	0.44449	Up	Down
37551	TraesCS7A03G1313800	0.91793	1.80566	No	No
37552	TraesCS7A03G1315200	0.80828	1.88279	No	No
37555	TraesCS7A03G1321200	1.11765	1.36136	UP	UP
37557	TraesCS7A03G1321500	1.18523	1.30098	UP	UP
37559	TraesCS7A03G1327000	7.45074	0.21719	Up	Down
37560	TraesCS7A03G1330200	0.88065	1.27751	No	No
37561	TraesCS7A03G1330300	1.1076	1.17035	UP	UP
37563	TraesCS7A03G1332800	0.94187	0.3496	Down	Down
37564	TraesCS7A03G1335000	0.66871	4.36289	Down	Up
37565	TraesCS7A03G1335500	1.06489	1.15914	UP	UP
37566	TraesCS7A03G1336800	0.93433	1.17991	No	No
37567	TraesCS7A03G1336800	0.36196	0.38897	Down	Down
37568	TraesCS7A03G1338000	0.62435	3.9692	Down	Up
37569	TraesCS7A03G1338700	0.8916	4.05401	Down	Up
37570	TraesCS7A03G1338800	1.4316	0.62208	No	No
37571	TraesCS7A03G1339000	0.96186	0.91227	Down	Down
37572	TraesCS7A03G1339600	1.1986	2.04246	Up	Up
37573	TraesCS7A03G1341600	0.88124	0.95884	Down	Down
37574	TraesCS7A03G1342600	0.71124	0.65866	Down	Down
37575	TraesCS7A03G1342900	1.10013	1.16937	UP	UP
37576	TraesCS7A03G1346100	0.94724	1.27142	No	No
37578	TraesCS7A03G1352600	1.20149	1.798	UP	UP
37579	TraesCS7A03G1352900	0.93336	5.09735	Down	Up
37581	TraesCS7A03G1356300	1.0052	0.3985	Up	Down
37582	TraesCS7A03G1359000	1.1903	0.64768	No	No
37583	TraesCS7A03G1359100	1.0436	1.03913	UP	UP
37584	TraesCS7A03G1360300	1.04736	1.25145	UP	UP
37585	TraesCS7A03G1360400	0.84992	0.54234	Down	Down
37586	TraesCS7A03G1360500	0.59267	1.28661	No	No
37587	TraesCS7A03G1360800	0.53816	14.573	Down	Up
37588	TraesCS7A03G1362900	1.20027	1.63651	UP	UP
37589	TraesCS7A03G1362900	0.948	1.50262	No	No
37590	TraesCS7A03G1363000	0.61578	2.16241	Down	Up
37591	TraesCS7A03G1366100	0.87629	0.33628	Down	Down
37592	TraesCS7A03G1366300	0.87982	1.07252	No	No
37593	TraesCS7A03G1368800	0.75809	0.84108	Down	Down
37594	TraesCS7A03G1369400	1.01162	0.51225	No	No
37595	TraesCS7A03G1372000	1.06599	0.92726	No	No
37596	TraesCS7A03G1374100	0.93237	1.39693	No	No

37597	TraesCS7A03G1375900	1.30086	2.46156	Up	Up
37599	TraesCS7A03G1376200	1.30239	0.53361	No	No
37601	TraesCS7A03G1381400	1.15802	1.25248	UP	UP
37602	TraesCS7A03G1381500	0.92557	0.78383	Down	Down
37604	TraesCS7A03G1388100	0.81536	0.67275	Down	Down
37605	TraesCS7A03G1388200	0.80945	1.44674	No	No
37606	TraesCS7A03G1389200	1.61685	2.29963	Up	Up
37607	TraesCS7A03G1389300	1.0898	0.92319	No	No
37608	TraesCS7A03G1389400	1.0598	1.67924	UP	UP
37609	TraesCS7A03G1389600	1.49567	3.98218	Up	Up
37610	TraesCS7B03G0000100	0.92763	1.99575	No	No
37611	TraesCS7B03G0000200	1.42422	1.89061	UP	UP
37612	TraesCS7B03G0001000	1.05175	0.85711	No	No
37613	TraesCS7B03G0001100	0.80838	0.66727	Down	Down
37614	TraesCS7B03G0002400	1.05527	0.96822	No	No
37615	TraesCS7B03G0002500	0.99341	0.81078	Down	Down
37616	TraesCS7B03G0002600	0.97892	0.80054	Down	Down
37617	TraesCS7B03G0002900	0.77946	0.59772	Down	Down
37618	TraesCS7B03G0003100	1.02883	0.86827	No	No
37619	TraesCS7B03G0005300	0.74017	0.77472	Down	Down
37620	TraesCS7B03G0005700	0.97972	0.94542	Down	Down
37621	TraesCS7B03G0006300	1.15656	1.0167	UP	UP
37622	TraesCS7B03G0006400	0.75496	1.30134	No	No
37623	TraesCS7B03G0011900	1.15432	1.35591	UP	UP
37624	TraesCS7B03G0012700	1.26406	1.81782	UP	UP
37625	TraesCS7B03G0013300	0.81025	2.10983	Down	Up
37626	TraesCS7B03G0013400	0.82103	1.9846	No	No
37628	TraesCS7B03G0014900	0.97932	0.76615	Down	Down
37629	TraesCS7B03G0015200	1.05211	0.53946	No	No
37630	TraesCS7B03G0016400	0.86097	1.36382	No	No
37631	TraesCS7B03G0018200	1.50086	1.27178	UP	UP
37632	TraesCS7B03G0019300	0.72789	1.55747	No	No
37633	TraesCS7B03G0019600	1.40069	0.63123	No	No
37634	TraesCS7B03G0022000	0.86756	0.86639	Down	Down
37635	TraesCS7B03G0022100	0.87999	1.14682	No	No
37636	TraesCS7B03G0023500	1.43731	1.53918	UP	UP
37637	TraesCS7B03G0023700	1.1151	1.17185	UP	UP
37638	TraesCS7B03G0024200	0.74772	1.9316	No	No
37639	TraesCS7B03G0024600	1.27829	4.07031	Up	Up
37640	TraesCS7B03G0025200	1.31586	0.43009	Up	Down
37643	TraesCS7B03G0030400	1.21417	0.68196	No	No
37644	TraesCS7B03G0030600	0.98349	1.00008	No	No
37645	TraesCS7B03G0031700	0.64463	1.3846	No	No
37646	TraesCS7B03G0031800	0.59317	1.12443	No	No
37647	TraesCS7B03G0032300	1.01823	1.15297	UP	UP
37648	TraesCS7B03G0032400	0.87884	1.7543	No	No
37649	TraesCS7B03G0036400	0.82066	0.72342	Down	Down
37650	TraesCS7B03G0036500	1.15282	1.03968	UP	UP
37654	TraesCS7B03G0039400	0.92748	0.57797	Down	Down
37655	TraesCS7B03G0043700	1.32631	0.79627	No	No
37656	TraesCS7B03G0044600	0.51774	0.4676	Down	Down
37657	TraesCS7B03G0046900	0.75203	1.57915	No	No

37658	TraesCS7B03G0047800	1.1902	0.54761	No	No
37661	TraesCS7B03G0050900	1.37183	0.39674	Up	Down
37663	TraesCS7B03G0052300	0.91904	1.28771	No	No
37664	TraesCS7B03G0052400	1.06315	0.55541	No	No
37665	TraesCS7B03G0054000	1.23147	0.9722	No	No
37666	TraesCS7B03G0054200	2.00505	0.44496	Up	Down
37670	TraesCS7B03G0059500	0.5579	0.43599	Down	Down
37671	TraesCS7B03G0060500	0.90859	0.75738	Down	Down
37672	TraesCS7B03G0060600	1.5659	1.38894	UP	UP
37673	TraesCS7B03G0060700	0.73496	1.52177	No	No
37674	TraesCS7B03G0060900	1.3767	1.11359	UP	UP
37676	TraesCS7B03G0067500	0.932	0.96704	Down	Down
37677	TraesCS7B03G0069100	0.89605	1.67824	No	No
37678	TraesCS7B03G0070400	1.47044	0.85179	No	No
37679	TraesCS7B03G0070900	0.71625	1.27645	No	No
37680	TraesCS7B03G0071600	1.38232	0.95686	No	No
37682	TraesCS7B03G0073600	0.54621	4.68083	Down	Up
37683	TraesCS7B03G0074000	1.18778	0.66366	No	No
37684	TraesCS7B03G0074000	1.91288	0.17405	Up	Down
37685	TraesCS7B03G0075400	1.08189	0.65167	No	No
37686	TraesCS7B03G0075800	1.4558	1.07651	UP	UP
37687	TraesCS7B03G0076400	0.93275	0.7096	Down	Down
37688	TraesCS7B03G0076700	0.32139	0.45799	Down	Down
37689	TraesCS7B03G0078600	1.00381	1.16431	UP	UP
37690	TraesCS7B03G0079700	0.94798	0.75663	Down	Down
37691	TraesCS7B03G0080100	0.93436	1.45717	No	No
37692	TraesCS7B03G0081700	1.84948	0.15347	Up	Down
37693	TraesCS7B03G0082300	0.91653	2.91362	Down	Up
37694	TraesCS7B03G0082400	0.58485	0.80916	Down	Down
37695	TraesCS7B03G0082700	0.95995	2.22004	Down	Up
37697	TraesCS7B03G0085000	1.32105	1.11888	UP	UP
37698	TraesCS7B03G0085200	1.33435	2.62222	Up	Up
37699	TraesCS7B03G0085200	0.74639	0.97639	Down	Down
37701	TraesCS7B03G0086400	0.95904	1.15772	No	No
37702	TraesCS7B03G0086500	1.12321	1.45754	UP	UP
37704	TraesCS7B03G0087800	0.74052	1.44599	No	No
37705	TraesCS7B03G0087900	1.07003	0.85013	No	No
37706	TraesCS7B03G0088100	0.68852	1.03076	No	No
37707	TraesCS7B03G0089200	0.9722	1.05327	No	No
37708	TraesCS7B03G0089400	0.6326	2.82911	Down	Up
37709	TraesCS7B03G0089900	0.47497	0.69839	Down	Down
37710	TraesCS7B03G0090800	1.306	0.90072	No	No
37711	TraesCS7B03G0091200	1.08893	1.30416	UP	UP
37712	TraesCS7B03G0094100	1.70698	0.45276	Up	Down
37713	TraesCS7B03G0094300	1.17252	1.74222	UP	UP
37714	TraesCS7B03G0095100	0.67293	1.11375	No	No
37715	TraesCS7B03G0096100	1.31999	2.61675	Up	Up
37716	TraesCS7B03G0097700	1.6718	0.53658	No	No
37717	TraesCS7B03G0097800	1.22526	1.22806	UP	UP
37718	TraesCS7B03G0098600	1.01902	1.03863	UP	UP
37722	TraesCS7B03G0107800	1.22006	0.68054	No	No
37723	TraesCS7B03G0108000	1.11045	1.26547	UP	UP

37724	TraesCS7B03G0108400	1.07684	0.84543	No	No
37725	TraesCS7B03G0108700	0.67961	1.65536	No	No
37726	TraesCS7B03G0110100	0.93417	1.72494	No	No
37727	TraesCS7B03G0111700	1.50555	1.23125	UP	UP
37728	TraesCS7B03G0112600	0.91902	0.65679	Down	Down
37729	TraesCS7B03G0115200	1.16812	0.79907	No	No
37730	TraesCS7B03G0116400	0.93538	1.25827	No	No
37731	TraesCS7B03G0116500	1.17945	0.84842	No	No
37732	TraesCS7B03G0116800	0.95716	1.15732	No	No
37733	TraesCS7B03G0122200	1.08614	2.12365	Up	Up
37734	TraesCS7B03G0122300	1.25967	0.87806	No	No
37736	TraesCS7B03G0126200	1.3103	0.30312	Up	Down
37737	TraesCS7B03G0126600	1.33912	0.32147	Up	Down
37739	TraesCS7B03G0132400	1.17079	1.26106	UP	UP
37740	TraesCS7B03G0133300	1.0803	0.52342	No	No
37741	TraesCS7B03G0135600	0.932	1.19121	No	No
37742	TraesCS7B03G0136800	0.80001	1.17909	No	No
37744	TraesCS7B03G0137700	1.01186	0.93892	No	No
37746	TraesCS7B03G0139000	0.98645	1.70022	No	No
37747	TraesCS7B03G0139200	0.95512	0.88068	Down	Down
37749	TraesCS7B03G0141300	0.81806	3.69842	Down	Up
37750	TraesCS7B03G0142100	0.84578	1.7549	No	No
37751	TraesCS7B03G0142100	1.35251	2.05209	Up	Up
37752	TraesCS7B03G0143400	0.80398	0.93838	Down	Down
37753	TraesCS7B03G0147000	0.85333	0.41998	Down	Down
37754	TraesCS7B03G0148900	1.04294	0.78041	No	No
37755	TraesCS7B03G0149800	0.97125	1.66377	No	No
37756	TraesCS7B03G0149900	1.31862	2.15635	Up	Up
37757	TraesCS7B03G0150300	1.38584	0.712	No	No
37758	TraesCS7B03G0152000	0.93441	1.27725	No	No
37759	TraesCS7B03G0152500	1.18467	0.84984	No	No
37760	TraesCS7B03G0152900	1.15228	1.39153	UP	UP
37761	TraesCS7B03G0157300	1.03297	2.77899	Up	Up
37763	TraesCS7B03G0159600	0.61906	1.24279	No	No
37764	TraesCS7B03G0160600	1.27895	0.49687	Up	Down
37765	TraesCS7B03G0162000	1.00342	0.77866	No	No
37766	TraesCS7B03G0162100	0.88678	1.22356	No	No
37767	TraesCS7B03G0162700	0.99723	18.8214	Down	Up
37768	TraesCS7B03G0163100	0.933	1.68512	No	No
37769	TraesCS7B03G0163600	0.97872	1.33587	No	No
37770	TraesCS7B03G0165700	0.99411	3.47882	Down	Up
37771	TraesCS7B03G0166400	0.65621	0.90674	Down	Down
37772	TraesCS7B03G0170000	0.89101	0.53819	Down	Down
37773	TraesCS7B03G0170200	1.32051	1.52701	UP	UP
37774	TraesCS7B03G0170900	0.74873	1.69274	No	No
37775	TraesCS7B03G0171900	1.27994	0.91541	No	No
37776	TraesCS7B03G0172000	1.66987	0.64788	No	No
37777	TraesCS7B03G0173000	0.52458	1.936	No	No
37778	TraesCS7B03G0173400	0.75418	4.3343	Down	Up
37780	TraesCS7B03G0174400	1.01179	0.71584	No	No
37781	TraesCS7B03G0174900	2.11792	0.6036	Up	Down
37782	TraesCS7B03G0175600	1.82542	1.01307	UP	UP

37783	TraesCS7B03G0175700	1.24469	0.75581	No	No
37784	TraesCS7B03G0175900	0.96838	0.77254	Down	Down
37785	TraesCS7B03G0176000	0.87988	1.57645	No	No
37786	TraesCS7B03G0176400	0.8531	0.26536	Down	Down
37787	TraesCS7B03G0176400	1.52113	5.1721	Up	Up
37788	TraesCS7B03G0179500	0.7656	0.89037	Down	Down
37789	TraesCS7B03G0179800	0.91893	1.51013	No	No
37790	TraesCS7B03G0179900	0.70734	1.19869	No	No
37791	TraesCS7B03G0182200	1.14111	1.25853	UP	UP
37792	TraesCS7B03G0182400	1.8375	0.53043	No	No
37793	TraesCS7B03G0182700	1.11646	1.3041	UP	UP
37794	TraesCS7B03G0182900	1.30634	1.63708	UP	UP
37795	TraesCS7B03G0183500	0.65193	0.84609	Down	Down
37797	TraesCS7B03G0186000	1.34144	1.67932	UP	UP
37798	TraesCS7B03G0187800	0.66489	0.61706	Down	Down
37799	TraesCS7B03G0189400	0.91671	5.91304	Down	Up
37800	TraesCS7B03G0190800	0.94685	1.58499	No	No
37803	TraesCS7B03G0193400	1.56986	1.82794	UP	UP
37804	TraesCS7B03G0193500	0.59347	4.22123	Down	Up
37805	TraesCS7B03G0193600	0.5461	7.51096	Down	Up
37806	TraesCS7B03G0194100	1.07851	1.57678	UP	UP
37807	TraesCS7B03G0194100	0.72757	0.93954	Down	Down
37808	TraesCS7B03G0194200	1.0384	1.03658	UP	UP
37809	TraesCS7B03G0195700	1.2407	2.03909	Up	Up
37810	TraesCS7B03G0196800	1.17294	21.9713	Up	Up
37811	TraesCS7B03G0198100	1.09634	3.60551	Up	Up
37812	TraesCS7B03G0198200	0.94939	1.13348	No	No
37813	TraesCS7B03G0198700	1.72792	0.65678	No	No
37814	TraesCS7B03G0199900	1.18751	1.01986	UP	UP
37815	TraesCS7B03G0200500	0.90577	1.17465	No	No
37816	TraesCS7B03G0201000	0.7386	1.96818	No	No
37817	TraesCS7B03G0201100	1.26545	1.14208	UP	UP
37818	TraesCS7B03G0205200	1.13536	2.19499	Up	Up
37819	TraesCS7B03G0206000	1.16749	0.81792	No	No
37820	TraesCS7B03G0206100	1.00586	1.16429	UP	UP
37821	TraesCS7B03G0206600	0.83908	0.55874	Down	Down
37822	TraesCS7B03G0207000	2.56612	0.45325	Up	Down
37823	TraesCS7B03G0207400	3.55782	0.98439	Up	Down
37824	TraesCS7B03G0208000	0.76902	0.94298	Down	Down
37827	TraesCS7B03G0211200	0.85165	0.80842	Down	Down
37828	TraesCS7B03G0211300	0.91828	1.85378	No	No
37829	TraesCS7B03G0211600	0.7415	2.6588	Down	Up
37830	TraesCS7B03G0211700	1.22743	0.9867	No	No
37831	TraesCS7B03G0211900	0.96859	1.68576	No	No
37832	TraesCS7B03G0212200	1.2441	1.63807	UP	UP
37834	TraesCS7B03G0214200	0.94578	0.46381	Down	Down
37835	TraesCS7B03G0215500	1.13288	1.39212	UP	UP
37836	TraesCS7B03G0216600	1.10906	2.01678	Up	Up
37837	TraesCS7B03G0217400	0.8644	0.79023	Down	Down
37839	TraesCS7B03G0217600	0.83418	1.3836	No	No
37840	TraesCS7B03G0217700	0.85495	1.3884	No	No
37844	TraesCS7B03G0218500	0.75777	0.83109	Down	Down

37846	TraesCS7B03G0220100	0.91994	1.11053	No	No
37849	TraesCS7B03G0221300	0.59574	1.878	No	No
37850	TraesCS7B03G0223600	0.58293	1.10014	No	No
37851	TraesCS7B03G0223800	0.97628	1.31765	No	No
37852	TraesCS7B03G0224100	0.99684	1.40978	No	No
37853	TraesCS7B03G0225900	2.0265	0.55736	Up	Down
37855	TraesCS7B03G0226700	1.32638	0.83965	No	No
37856	TraesCS7B03G0226700	1.12892	0.49265	Up	Down
37857	TraesCS7B03G0226800	0.55597	2.8989	Down	Up
37858	TraesCS7B03G0228600	1.38271	0.55277	No	No
37861	TraesCS7B03G0229800	0.50989	7.23189	Down	Up
37862	TraesCS7B03G0229900	1.18394	1.31857	UP	UP
37863	TraesCS7B03G0230500	0.86327	0.34813	Down	Down
37867	TraesCS7B03G0231500	1.04283	2.72561	Up	Up
37868	TraesCS7B03G0232300	0.6984	0.83265	Down	Down
37869	TraesCS7B03G0232900	0.8517	0.40632	Down	Down
37870	TraesCS7B03G0233200	0.75452	1.25265	No	No
37871	TraesCS7B03G0233800	1.05666	1.60195	UP	UP
37872	TraesCS7B03G0233900	0.54922	2.56273	Down	Up
37874	TraesCS7B03G0236000	0.4908	0.75002	Down	Down
37877	TraesCS7B03G0240400	1.16286	1.66241	UP	UP
37879	TraesCS7B03G0245500	0.96542	5.29479	Down	Up
37880	TraesCS7B03G0245700	1.12426	0.73955	No	No
37881	TraesCS7B03G0246800	0.3798	0.6299	Down	Down
37882	TraesCS7B03G0249500	1.04485	0.17984	Up	Down
37883	TraesCS7B03G0249600	0.65637	1.71847	No	No
37884	TraesCS7B03G0251800	1.2102	1.33026	UP	UP
37885	TraesCS7B03G0252100	0.76469	1.68204	No	No
37886	TraesCS7B03G0252300	1.24488	1.287	UP	UP
37888	TraesCS7B03G0252500	0.65274	1.41064	No	No
37889	TraesCS7B03G0252800	1.10598	1.08149	UP	UP
37890	TraesCS7B03G0253000	0.63689	0.46309	Down	Down
37891	TraesCS7B03G0253500	1.1074	0.58786	No	No
37892	TraesCS7B03G0254100	1.53109	0.41346	Up	Down
37893	TraesCS7B03G0254800	0.8874	0.9012	Down	Down
37894	TraesCS7B03G0255900	1.25816	2.18984	Up	Up
37895	TraesCS7B03G0255900	1.22264	0.67829	No	No
37896	TraesCS7B03G0256000	1.19299	0.70853	No	No
37897	TraesCS7B03G0256700	0.88828	1.33237	No	No
37899	TraesCS7B03G0257800	0.87557	0.96482	Down	Down
37900	TraesCS7B03G0258600	0.85327	0.70068	Down	Down
37901	TraesCS7B03G0258700	1.72234	0.65741	No	No
37902	TraesCS7B03G0259200	1.03248	0.90961	No	No
37903	TraesCS7B03G0260500	1.60683	1.9263	UP	UP
37906	TraesCS7B03G0261700	0.97549	0.6081	Down	Down
37907	TraesCS7B03G0262100	1.31822	1.19354	UP	UP
37908	TraesCS7B03G0262900	1.41529	1.07273	UP	UP
37909	TraesCS7B03G0262900	0.58986	0.49144	Down	Down
37910	TraesCS7B03G0263200	1.27877	3.66897	Up	Up
37911	TraesCS7B03G0263700	0.88912	0.90548	Down	Down
37912	TraesCS7B03G0263800	0.87245	2.5851	Down	Up
37913	TraesCS7B03G0264300	1.2885	2.63055	Up	Up

37914	TraesCS7B03G0264900	0.77812	0.84628	Down	Down
37915	TraesCS7B03G0266400	1.38383	0.46913	Up	Down
37916	TraesCS7B03G0266500	1.62115	0.7981	No	No
37917	TraesCS7B03G0270000	0.81103	0.86164	Down	Down
37918	TraesCS7B03G0270400	1.30411	0.58014	No	No
37919	TraesCS7B03G0270900	1.01415	0.65128	No	No
37920	TraesCS7B03G0271100	0.81945	0.89878	Down	Down
37921	TraesCS7B03G0272500	0.68972	1.18696	No	No
37922	TraesCS7B03G0272600	0.80448	1.22035	No	No
37923	TraesCS7B03G0276800	1.00364	0.74126	No	No
37924	TraesCS7B03G0277100	0.79437	0.93179	Down	Down
37926	TraesCS7B03G0278900	0.85681	0.92002	Down	Down
37928	TraesCS7B03G0282300	0.46031	2.69592	Down	Up
37929	TraesCS7B03G0282400	1.09399	2.42891	Up	Up
37932	TraesCS7B03G0287300	0.91644	0.69854	Down	Down
37933	TraesCS7B03G0288200	0.92406	1.26696	No	No
37934	TraesCS7B03G0289700	0.83296	0.8662	Down	Down
37935	TraesCS7B03G0290900	1.11908	0.94933	No	No
37936	TraesCS7B03G0292100	1.0215	1.77879	UP	UP
37937	TraesCS7B03G0292300	0.7777	5.94526	Down	Up
37939	TraesCS7B03G0293200	0.83778	2.04787	Down	Up
37940	TraesCS7B03G0293300	1.02728	1.56929	UP	UP
37941	TraesCS7B03G0293400	0.65456	0.95016	Down	Down
37943	TraesCS7B03G0294600	0.80738	0.97438	Down	Down
37944	TraesCS7B03G0294800	1.14667	1.01541	UP	UP
37945	TraesCS7B03G0296000	0.55573	0.80079	Down	Down
37946	TraesCS7B03G0297700	1.35823	0.84635	No	No
37947	TraesCS7B03G0297800	0.99242	1.12386	No	No
37948	TraesCS7B03G0297900	1.50895	0.91327	No	No
37949	TraesCS7B03G0298400	0.54613	0.53835	Down	Down
37950	TraesCS7B03G0298500	0.797	0.26824	Down	Down
37951	TraesCS7B03G0298600	1.2877	0.646	No	No
37955	TraesCS7B03G0300500	0.86813	0.91067	Down	Down
37957	TraesCS7B03G0301000	1.5644	1.71328	UP	UP
37958	TraesCS7B03G0301500	1.29301	0.74541	No	No
37959	TraesCS7B03G0302300	0.66833	4.76229	Down	Up
37960	TraesCS7B03G0303000	1.27904	0.77006	No	No
37961	TraesCS7B03G0303900	0.60734	0.92491	Down	Down
37962	TraesCS7B03G0305500	1.25994	0.8058	No	No
37963	TraesCS7B03G0305700	1.2193	0.86698	No	No
37964	TraesCS7B03G0306600	0.91524	1.17051	No	No
37965	TraesCS7B03G0307100	0.54692	2.00095	Down	Up
37966	TraesCS7B03G0307400	0.94337	1.33092	No	No
37967	TraesCS7B03G0307500	1.0828	1.08095	UP	UP
37968	TraesCS7B03G0307800	1.0053	0.76067	No	No
37969	TraesCS7B03G0308100	1.03359	0.9575	No	No
37970	TraesCS7B03G0309000	0.81405	0.88524	Down	Down
37971	TraesCS7B03G0309300	0.6982	3.86869	Down	Up
37972	TraesCS7B03G0313000	1.1038	0.17705	Up	Down
37973	TraesCS7B03G0313900	1.6128	0.659	No	No
37975	TraesCS7B03G0314300	1.00318	1.40751	UP	UP
37976	TraesCS7B03G0317600	1.36426	1.17167	UP	UP

37977	TraesCS7B03G0317600	1.39538	0.71861	No	No
37979	TraesCS7B03G0319700	0.59668	4.47904	Down	Up
37980	TraesCS7B03G0320200	0.70011	2.02003	Down	Up
37981	TraesCS7B03G0320400	1.51535	1.1977	UP	UP
37982	TraesCS7B03G0321000	1.22998	1.1091	UP	UP
37983	TraesCS7B03G0321600	0.84235	1.34351	No	No
37984	TraesCS7B03G0325100	1.18357	0.97748	No	No
37985	TraesCS7B03G0325300	1.0553	1.16785	UP	UP
37986	TraesCS7B03G0325400	1.05747	0.60882	No	No
37989	TraesCS7B03G0328500	1.10269	0.89489	No	No
37990	TraesCS7B03G0328500	0.95965	0.43375	Down	Down
37991	TraesCS7B03G0328600	1.03701	0.98814	No	No
37992	TraesCS7B03G0329800	0.77638	1.34911	No	No
37993	TraesCS7B03G0330000	0.85497	3.64701	Down	Up
37995	TraesCS7B03G0330500	1.24998	1.13873	UP	UP
37996	TraesCS7B03G0330800	2.24232	0.24558	Up	Down
37997	TraesCS7B03G0331000	1.89993	0.39301	Up	Down
37998	TraesCS7B03G0331200	0.85601	1.84828	No	No
37999	TraesCS7B03G0331300	0.75808	2.52336	Down	Up
38000	TraesCS7B03G0331700	0.71542	1.18559	No	No
38001	TraesCS7B03G0332000	1.22758	1.57865	UP	UP
38002	TraesCS7B03G0332800	1.25324	1.72417	UP	UP
38003	TraesCS7B03G0332900	2.02497	1.23493	Up	Up
38004	TraesCS7B03G0333700	1.12912	1.53367	UP	UP
38005	TraesCS7B03G0335900	1.05189	0.78781	No	No
38006	TraesCS7B03G0336200	0.92887	0.93046	Down	Down
38007	TraesCS7B03G0336500	1.06877	1.55428	UP	UP
38008	TraesCS7B03G0337000	1.2094	0.65786	No	No
38009	TraesCS7B03G0337000	0.7354	1.78219	No	No
38010	TraesCS7B03G0337200	1.33015	0.78852	No	No
38011	TraesCS7B03G0337300	1.28367	0.76016	No	No
38012	TraesCS7B03G0337700	0.6829	1.54074	No	No
38013	TraesCS7B03G0337900	1.23957	0.7898	No	No
38014	TraesCS7B03G0338000	0.80925	1.07234	No	No
38016	TraesCS7B03G0340200	1.17144	0.83051	No	No
38017	TraesCS7B03G0340500	1.31744	0.07593	Up	Down
38018	TraesCS7B03G0340800	0.99005	0.90303	Down	Down
38023	TraesCS7B03G0341800	0.73865	1.25401	No	No
38024	TraesCS7B03G0341900	0.97753	1.34949	No	No
38025	TraesCS7B03G0342400	1.12868	0.44911	Up	Down
38026	TraesCS7B03G0342700	0.82111	0.19591	Down	Down
38027	TraesCS7B03G0343100	0.89277	0.62203	Down	Down
38030	TraesCS7B03G0345800	1.01364	1.17322	UP	UP
38031	TraesCS7B03G0346700	0.50887	2.46709	Down	Up
38032	TraesCS7B03G0347000	1.11019	1.24159	UP	UP
38033	TraesCS7B03G0347800	0.64636	0.88478	Down	Down
38034	TraesCS7B03G0348400	0.54529	0.62533	Down	Down
38035	TraesCS7B03G0348500	0.97684	0.96704	Down	Down
38036	TraesCS7B03G0349500	0.9119	1.03476	No	No
38038	TraesCS7B03G0352200	1.49432	1.15483	UP	UP
38039	TraesCS7B03G0352500	1.13954	0.57369	No	No
38041	TraesCS7B03G0353500	1.12922	0.73325	No	No

38042	TraesCS7B03G0353700	0.89109	0.73395	Down	Down
38043	TraesCS7B03G0354000	0.60849	2.70535	Down	Up
38044	TraesCS7B03G0354200	0.86618	0.83022	Down	Down
38045	TraesCS7B03G0354500	1.37588	1.10158	UP	UP
38046	TraesCS7B03G0355000	1.16424	0.7274	No	No
38047	TraesCS7B03G0355300	0.96031	0.91195	Down	Down
38048	TraesCS7B03G0355500	1.29097	0.8415	No	No
38049	TraesCS7B03G0356000	0.9165	0.92214	Down	Down
38050	TraesCS7B03G0356100	1.18224	0.90543	No	No
38051	TraesCS7B03G0358300	1.25532	1.23341	UP	UP
38052	TraesCS7B03G0358400	0.91903	1.11607	No	No
38053	TraesCS7B03G0358500	1.16291	0.98204	No	No
38054	TraesCS7B03G0358600	1.257	1.55781	UP	UP
38055	TraesCS7B03G0359400	0.92832	2.03659	Down	Up
38056	TraesCS7B03G0361100	0.76083	1.04985	No	No
38057	TraesCS7B03G0361100	1.11192	0.755	No	No
38058	TraesCS7B03G0361200	1.0226	1.23541	UP	UP
38059	TraesCS7B03G0361900	0.95511	1.05507	No	No
38060	TraesCS7B03G0362000	1.08787	0.55393	No	No
38061	TraesCS7B03G0362100	1.31583	0.81344	No	No
38062	TraesCS7B03G0363600	1.04055	2.81599	Up	Up
38063	TraesCS7B03G0363800	1.31287	1.06776	UP	UP
38064	TraesCS7B03G0364600	0.37451	6.8275	Down	Up
38065	TraesCS7B03G0365100	2.03364	1.16407	Up	Up
38066	TraesCS7B03G0367400	0.68108	0.35978	Down	Down
38067	TraesCS7B03G0368200	1.21962	0.87793	No	No
38068	TraesCS7B03G0368500	0.86543	1.322	No	No
38069	TraesCS7B03G0369100	1.31341	0.63701	No	No
38070	TraesCS7B03G0369400	1.04298	2.87099	Up	Up
38071	TraesCS7B03G0370600	1.06123	1.59189	UP	UP
38072	TraesCS7B03G0371000	0.6539	2.93235	Down	Up
38073	TraesCS7B03G0371200	1.22781	0.73627	No	No
38074	TraesCS7B03G0371300	0.75111	1.12642	No	No
38075	TraesCS7B03G0371700	0.81881	1.8115	No	No
38076	TraesCS7B03G0372300	1.61495	0.33055	Up	Down
38077	TraesCS7B03G0372700	1.05129	1.23993	UP	UP
38078	TraesCS7B03G0372800	1.00074	1.3962	UP	UP
38080	TraesCS7B03G0373600	1.0388	1.0885	UP	UP
38081	TraesCS7B03G0375300	1.49199	0.58461	No	No
38083	TraesCS7B03G0376600	0.91878	1.78987	No	No
38084	TraesCS7B03G0377700	1.50187	0.46076	Up	Down
38085	TraesCS7B03G0377800	1.63848	0.74685	No	No
38087	TraesCS7B03G0378400	1.19067	0.41165	Up	Down
38088	TraesCS7B03G0378500	1.53725	0.81057	No	No
38089	TraesCS7B03G0379300	1.02809	0.85996	No	No
38090	TraesCS7B03G0380600	1.35086	0.24196	Up	Down
38091	TraesCS7B03G0380600	2.57379	0.86543	Up	Down
38092	TraesCS7B03G0380700	1.83895	1.19632	UP	UP
38093	TraesCS7B03G0381800	0.91376	2.26579	Down	Up
38094	TraesCS7B03G0382200	0.88287	2.33192	Down	Up
38095	TraesCS7B03G0382400	1.45708	0.47242	Up	Down
38096	TraesCS7B03G0386000	1.16646	1.36313	UP	UP

38097	TraesCS7B03G0386200	1.23409	1.22805	UP	UP
38098	TraesCS7B03G0386300	0.98115	1.4174	No	No
38099	TraesCS7B03G0387400	0.96507	0.45217	Down	Down
38101	TraesCS7B03G0388200	1.47942	0.64382	No	No
38102	TraesCS7B03G0388500	0.7775	1.00667	No	No
38103	TraesCS7B03G0389000	1.25227	0.87711	No	No
38105	TraesCS7B03G0392000	0.75045	3.19183	Down	Up
38106	TraesCS7B03G0392000	1.61179	1.44104	UP	UP
38107	TraesCS7B03G0392100	0.77297	1.32283	No	No
38108	TraesCS7B03G0392300	0.73189	1.116	No	No
38111	TraesCS7B03G0392700	0.92181	1.30084	No	No
38112	TraesCS7B03G0392800	1.11525	2.09676	Up	Up
38113	TraesCS7B03G0393000	0.91923	0.89986	Down	Down
38114	TraesCS7B03G0393700	0.78315	1.00451	No	No
38115	TraesCS7B03G0394700	1.32156	1.10258	UP	UP
38117	TraesCS7B03G0395000	1.23423	0.94851	No	No
38118	TraesCS7B03G0395400	1.13374	1.31507	UP	UP
38119	TraesCS7B03G0395600	0.90222	1.44278	No	No
38120	TraesCS7B03G0396300	0.5931	0.39155	Down	Down
38122	TraesCS7B03G0396800	1.12345	0.97087	No	No
38123	TraesCS7B03G0396900	1.06988	2.73654	Up	Up
38125	TraesCS7B03G0398100	0.794	1.76347	No	No
38128	TraesCS7B03G0399300	0.63385	2.42251	Down	Up
38130	TraesCS7B03G0401300	0.50526	6.49124	Down	Up
38131	TraesCS7B03G0401800	1.03262	1.04257	UP	UP
38133	TraesCS7B03G0402800	1.24774	0.40239	Up	Down
38137	TraesCS7B03G0404900	1.35022	0.89041	No	No
38138	TraesCS7B03G0405000	0.95925	1.30768	No	No
38139	TraesCS7B03G0405100	0.87807	0.97164	Down	Down
38140	TraesCS7B03G0405200	2.33911	1.60081	Up	Up
38141	TraesCS7B03G0405300	0.65511	3.25951	Down	Up
38142	TraesCS7B03G0405600	1.46348	2.13784	Up	Up
38144	TraesCS7B03G0407000	1.00829	1.08005	UP	UP
38151	TraesCS7B03G0408000	1.21032	1.57334	UP	UP
38152	TraesCS7B03G0408000	1.02062	0.64118	No	No
38154	TraesCS7B03G0409000	2.1036	1.19883	Up	Up
38155	TraesCS7B03G0409400	0.89254	1.63722	No	No
38156	TraesCS7B03G0409400	1.19868	0.72833	No	No
38157	TraesCS7B03G0409500	0.88453	0.98173	Down	Down
38158	TraesCS7B03G0409800	1.42737	0.70637	No	No
38159	TraesCS7B03G0411000	1.06532	1.13778	UP	UP
38161	TraesCS7B03G0412000	1.24568	1.08311	UP	UP
38162	TraesCS7B03G0412700	0.80973	1.88471	No	No
38163	TraesCS7B03G0413100	1.37489	1.70655	UP	UP
38164	TraesCS7B03G0413600	0.50919	5.27936	Down	Up
38165	TraesCS7B03G0414300	0.55905	1.3294	No	No
38166	TraesCS7B03G0415100	1.34692	2.07168	Up	Up
38167	TraesCS7B03G0415800	0.73036	1.75015	No	No
38168	TraesCS7B03G0415900	0.94856	1.15781	No	No
38169	TraesCS7B03G0416900	0.61767	1.2578	No	No
38170	TraesCS7B03G0417300	1.35877	0.95813	No	No
38171	TraesCS7B03G0418500	1.70346	0.92052	No	No

38174	TraesCS7B03G0419500	1.6132	1.04756	UP	UP
38175	TraesCS7B03G0419600	0.87342	2.16731	Down	Up
38176	TraesCS7B03G0420700	1.03599	1.87739	UP	UP
38178	TraesCS7B03G0423300	0.66266	1.40653	No	No
38183	TraesCS7B03G0424200	0.92533	1.30865	No	No
38184	TraesCS7B03G0424300	0.9079	3.58332	Down	Up
38185	TraesCS7B03G0424500	1.297	0.79077	No	No
38186	TraesCS7B03G0424800	0.86551	1.2003	No	No
38187	TraesCS7B03G0427200	1.16278	0.73046	No	No
38188	TraesCS7B03G0428100	0.91994	1.18867	No	No
38189	TraesCS7B03G0428400	0.69492	1.58837	No	No
38190	TraesCS7B03G0428700	0.61758	3.89951	Down	Up
38191	TraesCS7B03G0428900	1.05533	0.67631	No	No
38192	TraesCS7B03G0429300	1.05488	0.62639	No	No
38193	TraesCS7B03G0429400	1.07888	0.56632	No	No
38196	TraesCS7B03G0432000	1.29738	0.38818	Up	Down
38198	TraesCS7B03G0432500	0.68762	1.07265	No	No
38199	TraesCS7B03G0432900	0.80948	0.92881	Down	Down
38200	TraesCS7B03G0433500	1.02487	1.37649	UP	UP
38201	TraesCS7B03G0433700	0.62098	0.31871	Down	Down
38202	TraesCS7B03G0434100	0.64414	1.83616	No	No
38203	TraesCS7B03G0434300	0.63007	1.20159	No	No
38204	TraesCS7B03G0434400	1.0562	2.32583	Up	Up
38205	TraesCS7B03G0434700	1.27569	1.54821	UP	UP
38206	TraesCS7B03G0434900	0.97104	1.16395	No	No
38207	TraesCS7B03G0435000	0.48211	0.50968	Down	Down
38208	TraesCS7B03G0435800	0.78151	1.46909	No	No
38209	TraesCS7B03G0436100	1.83277	0.76654	No	No
38210	TraesCS7B03G0436400	1.05352	1.12085	UP	UP
38211	TraesCS7B03G0436500	1.00923	0.6187	No	No
38212	TraesCS7B03G0436500	1.22628	0.79283	No	No
38213	TraesCS7B03G0436500	1.35799	1.29293	UP	UP
38215	TraesCS7B03G0437400	0.42637	1.28385	Down	Up
38217	TraesCS7B03G0437700	1.26947	1.82703	UP	UP
38220	TraesCS7B03G0439400	0.87684	1.20835	No	No
38221	TraesCS7B03G0439700	0.40021	3.1266	Down	Up
38222	TraesCS7B03G0440500	0.87402	1.04884	No	No
38223	TraesCS7B03G0440800	0.66363	4.985	Down	Up
38224	TraesCS7B03G0440900	2.64843	0.64784	Up	Down
38225	TraesCS7B03G0443000	1.23335	0.54883	No	No
38226	TraesCS7B03G0443300	0.83081	1.1088	No	No
38227	TraesCS7B03G0443800	0.95401	1.01587	No	No
38228	TraesCS7B03G0444100	1.1213	1.12818	UP	UP
38229	TraesCS7B03G0444700	0.76121	1.15695	No	No
38231	TraesCS7B03G0444900	1.18314	0.59588	No	No
38232	TraesCS7B03G0445200	1.73855	0.66943	No	No
38233	TraesCS7B03G0445700	0.87055	1.08151	No	No
38234	TraesCS7B03G0446500	1.09631	0.91616	No	No
38235	TraesCS7B03G0447000	0.90905	1.03326	No	No
38236	TraesCS7B03G0447700	1.34053	1.87082	UP	UP
38237	TraesCS7B03G0448000	0.79731	0.41878	Down	Down
38238	TraesCS7B03G0448500	0.88648	1.43684	No	No

38239	TraesCS7B03G0448600	0.84536	1.06302	No	No
38240	TraesCS7B03G0448700	0.92127	1.19387	No	No
38241	TraesCS7B03G0449300	1.33754	1.01448	UP	UP
38242	TraesCS7B03G0449400	1.14475	0.86704	No	No
38243	TraesCS7B03G0449700	0.23844	0.93707	Down	Down
38245	TraesCS7B03G0451100	1.0938	1.22279	UP	UP
38246	TraesCS7B03G0451200	1.40273	1.6202	UP	UP
38247	TraesCS7B03G0451200	0.86202	1.08156	No	No
38248	TraesCS7B03G0451700	0.75879	4.72859	Down	Up
38249	TraesCS7B03G0452000	1.60932	0.40646	Up	Down
38250	TraesCS7B03G0452200	1.5643	0.60288	No	No
38251	TraesCS7B03G0452200	1.07032	0.41173	Up	Down
38252	TraesCS7B03G0454000	1.11953	1.03817	UP	UP
38253	TraesCS7B03G0454200	1.2504	0.56558	No	No
38254	TraesCS7B03G0455200	0.86142	1.64536	No	No
38255	TraesCS7B03G0455500	0.85576	0.79699	Down	Down
38256	TraesCS7B03G0458300	1.04941	0.67867	No	No
38257	TraesCS7B03G0458700	0.39848	1.35845	Down	Up
38258	TraesCS7B03G0459200	0.80477	0.6906	Down	Down
38259	TraesCS7B03G0459300	0.74993	0.87804	Down	Down
38260	TraesCS7B03G0459700	0.72597	1.29441	No	No
38262	TraesCS7B03G0460600	1.65662	0.59699	No	No
38263	TraesCS7B03G0460700	1.77583	1.46883	UP	UP
38264	TraesCS7B03G0460800	0.71653	1.70294	No	No
38265	TraesCS7B03G0461000	1.04256	0.53468	No	No
38266	TraesCS7B03G0461400	0.80927	1.11844	No	No
38268	TraesCS7B03G0462400	1.04977	1.37536	UP	UP
38269	TraesCS7B03G0465800	0.78191	0.44199	Down	Down
38270	TraesCS7B03G0466000	0.8727	4.50357	Down	Up
38271	TraesCS7B03G0466200	1.07132	1.41269	UP	UP
38272	TraesCS7B03G0466200	1.3142	0.83412	No	No
38274	TraesCS7B03G0466700	1.27037	0.60275	No	No
38275	TraesCS7B03G0467900	1.0278	0.73804	No	No
38276	TraesCS7B03G0468100	1.10993	0.43371	Up	Down
38280	TraesCS7B03G0468800	0.70936	0.96429	Down	Down
38281	TraesCS7B03G0469000	0.62958	1.72551	No	No
38282	TraesCS7B03G0469200	1.33019	1.70216	UP	UP
38284	TraesCS7B03G0469700	0.9246	0.29983	Down	Down
38285	TraesCS7B03G0469800	1.28918	3.79611	Up	Up
38286	TraesCS7B03G0469900	0.90428	1.1125	No	No
38288	TraesCS7B03G0470600	0.6765	1.65756	No	No
38289	TraesCS7B03G0470900	1.04584	0.64067	No	No
38290	TraesCS7B03G0472800	0.88508	0.50925	Down	Down
38291	TraesCS7B03G0472900	1.70988	1.3892	UP	UP
38292	TraesCS7B03G0474200	0.93129	0.70778	Down	Down
38293	TraesCS7B03G0474500	0.76482	1.14857	No	No
38294	TraesCS7B03G0474700	0.60237	1.71794	No	No
38296	TraesCS7B03G0476500	0.96931	2.49839	Down	Up
38297	TraesCS7B03G0477200	0.99718	1.03185	No	No
38298	TraesCS7B03G0477300	0.86332	1.10895	No	No
38299	TraesCS7B03G0477400	0.97166	1.02244	No	No
38302	TraesCS7B03G0479500	1.64897	1.21267	UP	UP

38304	TraesCS7B03G0480000	0.96874	0.42423	Down	Down
38310	TraesCS7B03G0483400	1.10299	1.6071	UP	UP
38311	TraesCS7B03G0485200	0.83101	1.48574	No	No
38313	TraesCS7B03G0486000	0.92129	0.94339	Down	Down
38315	TraesCS7B03G0487700	0.97372	2.23804	Down	Up
38316	TraesCS7B03G0488900	0.8627	0.8118	Down	Down
38319	TraesCS7B03G0490100	1.22837	0.96211	No	No
38320	TraesCS7B03G0491600	1.13631	0.43463	Up	Down
38322	TraesCS7B03G0492800	0.95645	1.42901	No	No
38323	TraesCS7B03G0492900	0.80839	1.78695	No	No
38326	TraesCS7B03G0495000	1.985	1.09419	UP	UP
38327	TraesCS7B03G0495100	0.98104	1.48161	No	No
38328	TraesCS7B03G0496100	0.85848	1.37775	No	No
38329	TraesCS7B03G0496300	0.75449	1.34059	No	No
38330	TraesCS7B03G0496400	0.92742	1.47257	No	No
38333	TraesCS7B03G0496900	0.80706	0.98565	Down	Down
38334	TraesCS7B03G0497000	0.78218	1.60788	No	No
38337	TraesCS7B03G0497700	0.77609	1.40086	No	No
38338	TraesCS7B03G0497700	0.96072	1.02582	No	No
38340	TraesCS7B03G0498200	0.94732	1.48714	No	No
38342	TraesCS7B03G0499300	0.92455	2.20349	Down	Up
38346	TraesCS7B03G0502100	0.92564	1.31103	No	No
38348	TraesCS7B03G0502500	1.93614	1.1646	UP	UP
38349	TraesCS7B03G0502600	2.51993	0.70605	Up	Down
38351	TraesCS7B03G0503400	1.33831	1.36832	UP	UP
38352	TraesCS7B03G0503900	1.26049	1.2873	UP	UP
38353	TraesCS7B03G0504400	0.78147	1.96282	No	No
38354	TraesCS7B03G0504400	0.84996	1.01183	No	No
38355	TraesCS7B03G0504500	0.99805	0.70442	Down	Down
38359	TraesCS7B03G0505700	0.99835	1.3032	No	No
38360	TraesCS7B03G0506300	0.95615	1.88448	No	No
38361	TraesCS7B03G0506800	0.84937	1.63952	No	No
38367	TraesCS7B03G0508500	1.18647	1.13582	UP	UP
38368	TraesCS7B03G0509200	0.94271	0.72206	Down	Down
38369	TraesCS7B03G0509200	0.80035	2.89006	Down	Up
38370	TraesCS7B03G0509300	0.90595	0.49632	Down	Down
38371	TraesCS7B03G0509900	1.32727	1.17235	UP	UP
38372	TraesCS7B03G0510400	1.10521	1.15009	UP	UP
38375	TraesCS7B03G0511200	1.17332	0.83927	No	No
38378	TraesCS7B03G0512700	0.38685	0.19379	Down	Down
38379	TraesCS7B03G0513000	0.56707	1.83822	No	No
38380	TraesCS7B03G0513500	1.1935	1.1408	UP	UP
38381	TraesCS7B03G0513900	1.01829	0.75055	No	No
38383	TraesCS7B03G0515000	0.87471	0.34591	Down	Down
38384	TraesCS7B03G0515200	0.80825	1.70898	No	No
38387	TraesCS7B03G0516500	0.53526	0.53868	Down	Down
38390	TraesCS7B03G0519800	1.24104	0.24305	Up	Down
38391	TraesCS7B03G0520000	1.48793	2.01722	Up	Up
38392	TraesCS7B03G0520300	0.93211	0.82423	Down	Down
38394	TraesCS7B03G0520500	2.16633	1.60634	Up	Up
38395	TraesCS7B03G0520500	0.45163	0.57238	Down	Down
38396	TraesCS7B03G0521000	1.18254	1.3157	UP	UP

38397	TraesCS7B03G0522000	1.08817	0.68003	No	No
38398	TraesCS7B03G0522400	0.69928	0.57878	Down	Down
38399	TraesCS7B03G0522400	0.77833	0.67377	Down	Down
38400	TraesCS7B03G0522900	1.14481	0.55967	No	No
38401	TraesCS7B03G0523400	0.91238	0.75954	Down	Down
38402	TraesCS7B03G0524300	0.955	3.16861	Down	Up
38406	TraesCS7B03G0527100	0.9002	1.80002	No	No
38407	TraesCS7B03G0528900	1.00402	0.73698	No	No
38408	TraesCS7B03G0530100	1.08193	2.03095	Up	Up
38410	TraesCS7B03G0531400	1.02825	0.92522	No	No
38411	TraesCS7B03G0531600	0.82835	0.73165	Down	Down
38412	TraesCS7B03G0532100	0.99158	1.30437	No	No
38413	TraesCS7B03G0532800	1.05973	1.68959	UP	UP
38414	TraesCS7B03G0533400	0.4457	2.05811	Down	Up
38417	TraesCS7B03G0534000	0.63202	2.98353	Down	Up
38418	TraesCS7B03G0534300	0.82126	2.56659	Down	Up
38422	TraesCS7B03G0537400	0.83753	1.01878	No	No
38424	TraesCS7B03G0539300	0.83611	0.96484	Down	Down
38425	TraesCS7B03G0539900	0.95317	1.02143	No	No
38427	TraesCS7B03G0540900	1.17428	0.52877	No	No
38428	TraesCS7B03G0541500	0.88737	0.32141	Down	Down
38429	TraesCS7B03G0543100	0.95616	1.14042	No	No
38430	TraesCS7B03G0543100	0.99319	1.39268	No	No
38431	TraesCS7B03G0543200	1.03017	0.7403	No	No
38432	TraesCS7B03G0543800	1.22099	1.47874	UP	UP
38434	TraesCS7B03G0544900	1.40742	0.64278	No	No
38435	TraesCS7B03G0544900	1.32626	1.05799	UP	UP
38436	TraesCS7B03G0545300	1.36474	0.85576	No	No
38437	TraesCS7B03G0545700	1.02409	1.47866	UP	UP
38438	TraesCS7B03G0545900	0.61843	1.09535	No	No
38439	TraesCS7B03G0546000	1.122	0.61546	No	No
38440	TraesCS7B03G0547200	1.27297	0.80276	No	No
38441	TraesCS7B03G0548200	1.07777	1.81729	UP	UP
38442	TraesCS7B03G0548400	0.95826	0.82481	Down	Down
38444	TraesCS7B03G0550300	1.16944	0.66331	No	No
38445	TraesCS7B03G0550300	1.37582	1.00879	UP	UP
38446	TraesCS7B03G0550600	1.0488	1.13486	UP	UP
38449	TraesCS7B03G0552100	0.78556	1.01408	No	No
38450	TraesCS7B03G0553400	0.94462	1.41892	No	No
38451	TraesCS7B03G0553800	0.90139	1.61338	No	No
38456	TraesCS7B03G0555500	0.72216	1.30218	No	No
38461	TraesCS7B03G0558300	1.64561	1.36199	UP	UP
38464	TraesCS7B03G0558700	0.93127	0.61506	Down	Down
38467	TraesCS7B03G0559800	1.25982	1.8812	UP	UP
38468	TraesCS7B03G0560800	0.98409	0.46827	Down	Down
38469	TraesCS7B03G0561400	0.95402	1.52108	No	No
38470	TraesCS7B03G0561600	1.08696	1.26229	UP	UP
38473	TraesCS7B03G0563400	0.80187	0.6288	Down	Down
38477	TraesCS7B03G0565200	1.07214	1.4563	UP	UP
38478	TraesCS7B03G0565500	1.19426	0.9897	No	No
38480	TraesCS7B03G0566000	0.92413	1.26735	No	No
38482	TraesCS7B03G0566600	0.66566	1.18917	No	No

38484	TraesCS7B03G0567500	0.70587	1.50135	No	No
38486	TraesCS7B03G0569600	0.59476	0.77678	Down	Down
38487	TraesCS7B03G0569800	1.02922	1.13945	UP	UP
38488	TraesCS7B03G0570200	1.12182	0.76438	No	No
38489	TraesCS7B03G0571100	0.76652	1.17987	No	No
38492	TraesCS7B03G0572600	1.15127	1.27425	UP	UP
38493	TraesCS7B03G0572800	0.74733	0.74697	Down	Down
38494	TraesCS7B03G0572900	1.28565	2.34459	Up	Up
38495	TraesCS7B03G0573000	0.56649	0.78539	Down	Down
38496	TraesCS7B03G0573500	1.08277	1.23209	UP	UP
38497	TraesCS7B03G0573900	0.6462	0.9934	Down	Down
38498	TraesCS7B03G0574100	0.98344	0.98617	Down	Down
38499	TraesCS7B03G0574400	1.07276	0.90019	No	No
38500	TraesCS7B03G0575300	1.43152	1.81809	UP	UP
38501	TraesCS7B03G0575700	1.08756	1.77988	UP	UP
38503	TraesCS7B03G0577300	1.15002	0.69908	No	No
38504	TraesCS7B03G0577400	1.18957	0.75074	No	No
38505	TraesCS7B03G0577700	1.46646	0.57886	No	No
38506	TraesCS7B03G0578200	0.9291	1.41386	No	No
38508	TraesCS7B03G0578500	1.03837	1.14945	UP	UP
38509	TraesCS7B03G0578800	1.0322	1.14239	UP	UP
38510	TraesCS7B03G0578900	1.04303	0.98845	No	No
38511	TraesCS7B03G0579500	0.80235	1.31783	No	No
38512	TraesCS7B03G0580000	0.89997	1.28704	No	No
38513	TraesCS7B03G0580100	0.31322	1.44374	Down	Up
38514	TraesCS7B03G0580700	0.88535	1.23043	No	No
38515	TraesCS7B03G0582300	0.79295	1.03238	No	No
38517	TraesCS7B03G0582900	1.06588	0.77465	No	No
38518	TraesCS7B03G0583000	0.95882	2.16536	Down	Up
38519	TraesCS7B03G0583400	0.98118	1.4579	No	No
38521	TraesCS7B03G0585800	0.99123	6.35902	Down	Up
38522	TraesCS7B03G0585900	1.01446	4.27316	Up	Up
38523	TraesCS7B03G0585900	0.57241	3.8716	Down	Up
38524	TraesCS7B03G0585900	0.62666	3.08771	Down	Up
38525	TraesCS7B03G0586100	0.82996	1.56549	No	No
38526	TraesCS7B03G0586900	0.83503	0.37251	Down	Down
38529	TraesCS7B03G0587500	1.13452	2.01084	Up	Up
38530	TraesCS7B03G0587600	2.44293	0.29542	Up	Down
38531	TraesCS7B03G0588600	0.87589	0.37231	Down	Down
38532	TraesCS7B03G0589400	1.56352	0.57361	No	No
38534	TraesCS7B03G0590100	0.99984	0.83345	Down	Down
38537	TraesCS7B03G0590600	0.92256	1.02824	No	No
38538	TraesCS7B03G0591000	0.70069	2.08988	Down	Up
38539	TraesCS7B03G0591100	1.04185	0.96118	No	No
38540	TraesCS7B03G0592100	0.87625	0.62911	Down	Down
38544	TraesCS7B03G0593000	0.83038	0.90964	Down	Down
38545	TraesCS7B03G0593200	0.79838	1.04449	No	No
38546	TraesCS7B03G0593600	1.04551	0.78151	No	No
38547	TraesCS7B03G0594000	1.08355	1.23855	UP	UP
38551	TraesCS7B03G0595100	1.0035	0.94118	No	No
38552	TraesCS7B03G0595500	1.10901	1.9409	UP	UP
38553	TraesCS7B03G0595700	1.04984	1.76472	UP	UP

38554	TraesCS7B03G0596000	0.87852	0.75191	Down	Down
38555	TraesCS7B03G0596700	1.19213	2.71952	Up	Up
38560	TraesCS7B03G0597600	0.9092	0.99631	Down	Down
38561	TraesCS7B03G0598100	1.18129	1.75654	UP	UP
38562	TraesCS7B03G0598300	0.8147	1.0259	No	No
38563	TraesCS7B03G0598400	0.93015	1.58525	No	No
38564	TraesCS7B03G0598500	0.98782	2.22297	Down	Up
38565	TraesCS7B03G0598600	0.98151	0.77482	Down	Down
38566	TraesCS7B03G0598800	0.67553	2.74072	Down	Up
38567	TraesCS7B03G0599600	0.44517	2.04342	Down	Up
38568	TraesCS7B03G0600400	1.10428	1.6246	UP	UP
38570	TraesCS7B03G0601700	0.89476	0.88014	Down	Down
38574	TraesCS7B03G0602200	1.30001	0.1969	Up	Down
38582	TraesCS7B03G0604900	1.16319	1.70288	UP	UP
38583	TraesCS7B03G0605500	0.87937	1.11203	No	No
38584	TraesCS7B03G0605600	1.17151	2.18096	Up	Up
38585	TraesCS7B03G0606200	1.17129	1.03046	UP	UP
38586	TraesCS7B03G0606600	1.06878	0.97199	No	No
38587	TraesCS7B03G0606600	0.83159	0.88225	Down	Down
38588	TraesCS7B03G0606700	0.91256	0.42202	Down	Down
38589	TraesCS7B03G0607000	1.06017	0.97103	No	No
38590	TraesCS7B03G0607700	0.97435	1.15148	No	No
38591	TraesCS7B03G0607800	0.96314	1.99503	No	No
38592	TraesCS7B03G0609600	0.67424	1.63524	No	No
38594	TraesCS7B03G0611000	0.96162	2.56515	Down	Up
38595	TraesCS7B03G0611200	0.69779	0.61973	Down	Down
38596	TraesCS7B03G0611400	0.63549	1.48195	No	No
38597	TraesCS7B03G0611700	0.85205	0.70893	Down	Down
38599	TraesCS7B03G0612200	1.00254	0.6829	No	No
38600	TraesCS7B03G0612200	0.92532	2.38793	Down	Up
38604	TraesCS7B03G0614100	0.82716	0.99985	Down	Down
38605	TraesCS7B03G0614200	0.63042	1.46098	No	No
38606	TraesCS7B03G0614400	0.78112	1.3129	No	No
38607	TraesCS7B03G0614500	1.12748	0.66222	No	No
38608	TraesCS7B03G0614600	1.40935	1.25133	UP	UP
38609	TraesCS7B03G0615500	0.71538	1.69448	No	No
38610	TraesCS7B03G0615700	0.90135	1.58045	No	No
38611	TraesCS7B03G0616600	0.98065	0.83423	Down	Down
38612	TraesCS7B03G0616700	0.98079	0.81125	Down	Down
38613	TraesCS7B03G0617100	1.00451	0.90512	No	No
38617	TraesCS7B03G0620200	0.80863	1.49666	No	No
38622	TraesCS7B03G0622200	0.95102	1.20988	No	No
38623	TraesCS7B03G0622900	0.88279	1.81841	No	No
38624	TraesCS7B03G0623500	0.7302	0.75998	Down	Down
38625	TraesCS7B03G0623900	0.88678	1.56571	No	No
38626	TraesCS7B03G0624100	0.86413	0.79566	Down	Down
38627	TraesCS7B03G0624300	0.56582	1.71401	No	No
38628	TraesCS7B03G0624700	1.27275	1.95829	UP	UP
38629	TraesCS7B03G0624900	0.93696	1.07869	No	No
38630	TraesCS7B03G0625200	0.86467	2.48317	Down	Up
38631	TraesCS7B03G0626400	0.94675	0.23016	Down	Down
38632	TraesCS7B03G0626700	0.72666	1.88774	No	No

38633	TraesCS7B03G0626800	0.80682	1.611	No	No
38634	TraesCS7B03G0627400	1.06193	0.79683	No	No
38635	TraesCS7B03G0627500	1.03382	1.69803	UP	UP
38636	TraesCS7B03G0627800	0.7701	1.28323	No	No
38638	TraesCS7B03G0628200	0.74717	3.69661	Down	Up
38639	TraesCS7B03G0628900	1.33156	0.85579	No	No
38642	TraesCS7B03G0629400	0.78043	1.01365	No	No
38644	TraesCS7B03G0629900	0.54134	1.26202	No	No
38645	TraesCS7B03G0629900	1.27097	1.56184	UP	UP
38647	TraesCS7B03G0631300	1.10386	1.29491	UP	UP
38648	TraesCS7B03G0631400	0.90885	1.06168	No	No
38649	TraesCS7B03G0631700	0.88926	0.71944	Down	Down
38650	TraesCS7B03G0632700	0.82467	0.68111	Down	Down
38651	TraesCS7B03G0633500	0.84056	0.76696	Down	Down
38653	TraesCS7B03G0633700	0.96984	1.55654	No	No
38654	TraesCS7B03G0633800	1.15243	1.01628	UP	UP
38655	TraesCS7B03G0634200	1.04777	1.36936	UP	UP
38656	TraesCS7B03G0634500	1.05294	0.7237	No	No
38657	TraesCS7B03G0635200	1.73447	3.66673	Up	Up
38659	TraesCS7B03G0636800	0.60307	0.88228	Down	Down
38660	TraesCS7B03G0638000	1.24938	0.82415	No	No
38661	TraesCS7B03G0638200	0.39695	1.84074	Down	Up
38663	TraesCS7B03G0639500	0.89886	0.87952	Down	Down
38664	TraesCS7B03G0639600	1.06783	0.86161	No	No
38666	TraesCS7B03G0640200	1.18478	1.65659	UP	UP
38667	TraesCS7B03G0640300	1.1672	0.94509	No	No
38668	TraesCS7B03G0641000	1.50123	0.7771	No	No
38669	TraesCS7B03G0641200	1.02988	0.30527	Up	Down
38670	TraesCS7B03G0641600	1.07252	0.05981	Up	Down
38671	TraesCS7B03G0642100	0.77128	1.76222	No	No
38673	TraesCS7B03G0642400	1.05899	0.63649	No	No
38674	TraesCS7B03G0642600	1.38198	1.53843	UP	UP
38675	TraesCS7B03G0642700	1.09889	1.55277	UP	UP
38676	TraesCS7B03G0643000	1.37434	0.92429	No	No
38677	TraesCS7B03G0643400	1.54652	1.10207	UP	UP
38679	TraesCS7B03G0643600	1.07081	4.17031	Up	Up
38680	TraesCS7B03G0645000	1.00267	0.71428	No	No
38681	TraesCS7B03G0645000	0.65498	1.26576	No	No
38682	TraesCS7B03G0645600	0.89272	1.28309	No	No
38683	TraesCS7B03G0645800	0.91587	1.61243	No	No
38684	TraesCS7B03G0645900	1.25721	0.94	No	No
38685	TraesCS7B03G0646100	1.02113	0.91687	No	No
38686	TraesCS7B03G0646700	1.13081	5.99427	Up	Up
38687	TraesCS7B03G0646900	0.65213	3.87887	Down	Up
38688	TraesCS7B03G0647400	2.1046	1.38412	Up	Up
38689	TraesCS7B03G0647600	0.73855	1.02388	No	No
38690	TraesCS7B03G0647700	0.65047	0.23902	Down	Down
38691	TraesCS7B03G0648100	0.84429	1.58475	No	No
38692	TraesCS7B03G0648600	0.63815	0.69149	Down	Down
38693	TraesCS7B03G0648800	1.15815	0.43446	Up	Down
38694	TraesCS7B03G0649100	1.0131	1.78754	UP	UP
38695	TraesCS7B03G0649200	1.23112	0.53328	No	No

38696	TraesCS7B03G0649300	1.45391	0.42824	Up	Down
38697	TraesCS7B03G0649500	1.04297	0.46593	Up	Down
38698	TraesCS7B03G0649700	0.54089	0.88881	Down	Down
38699	TraesCS7B03G0650400	0.54553	7.06885	Down	Up
38700	TraesCS7B03G0652700	1.09894	1.81333	UP	UP
38701	TraesCS7B03G0652900	0.97958	0.404	Down	Down
38702	TraesCS7B03G0653600	1.47029	0.78162	No	No
38703	TraesCS7B03G0654100	0.68847	2.11598	Down	Up
38704	TraesCS7B03G0654200	0.70544	1.66486	No	No
38705	TraesCS7B03G0654300	0.8608	0.61441	Down	Down
38707	TraesCS7B03G0655100	1.3122	1.47716	UP	UP
38708	TraesCS7B03G0655400	1.8143	1.76785	UP	UP
38709	TraesCS7B03G0655700	1.05432	0.79394	No	No
38710	TraesCS7B03G0655900	0.76147	2.25102	Down	Up
38711	TraesCS7B03G0656500	1.02995	1.29101	UP	UP
38712	TraesCS7B03G0659100	1.17093	5.91829	Up	Up
38713	TraesCS7B03G0659200	1.13748	0.20858	Up	Down
38715	TraesCS7B03G0659700	0.80677	0.70246	Down	Down
38716	TraesCS7B03G0660200	1.32785	0.50435	No	No
38717	TraesCS7B03G0661300	1.41624	0.73188	No	No
38718	TraesCS7B03G0662000	0.83291	1.12369	No	No
38720	TraesCS7B03G0662400	0.65329	1.6903	No	No
38721	TraesCS7B03G0663500	0.73521	0.84901	Down	Down
38722	TraesCS7B03G0663700	0.23842	0.65357	Down	Down
38723	TraesCS7B03G0663800	1.20038	0.30385	Up	Down
38725	TraesCS7B03G0665400	0.49536	0.48671	Down	Down
38726	TraesCS7B03G0665800	0.84295	1.04336	No	No
38727	TraesCS7B03G0666100	0.7673	1.36153	No	No
38728	TraesCS7B03G0667500	1.13095	2.06756	Up	Up
38729	TraesCS7B03G0667600	0.55984	2.23661	Down	Up
38730	TraesCS7B03G0667600	1.52387	0.56545	No	No
38732	TraesCS7B03G0667900	0.74488	1.84002	No	No
38734	TraesCS7B03G0668200	1.28741	0.93062	No	No
38735	TraesCS7B03G0668300	0.88292	1.32271	No	No
38736	TraesCS7B03G0668400	0.89476	0.56584	Down	Down
38737	TraesCS7B03G0668500	0.7988	1.12514	No	No
38738	TraesCS7B03G0669800	1.25197	0.86905	No	No
38739	TraesCS7B03G0669900	1.04233	0.65846	No	No
38740	TraesCS7B03G0670500	0.99597	1.32498	No	No
38741	TraesCS7B03G0670700	0.79205	1.37217	No	No
38742	TraesCS7B03G0671300	1.13408	0.34967	Up	Down
38743	TraesCS7B03G0671400	2.23923	2.14256	UP	UP
38744	TraesCS7B03G0671500	1.51977	0.62041	No	No
38745	TraesCS7B03G0672300	1.71721	1.07671	UP	UP
38746	TraesCS7B03G0673100	1.22767	2.17911	Up	Up
38747	TraesCS7B03G0673600	0.91057	0.41684	Down	Down
38748	TraesCS7B03G0674400	1.04128	1.05031	UP	UP
38750	TraesCS7B03G0674700	1.43096	0.36825	Up	Down
38751	TraesCS7B03G0675100	1.04504	1.83541	UP	UP
38752	TraesCS7B03G0675300	0.38805	3.80801	Down	Up
38753	TraesCS7B03G0675700	0.61338	1.13585	No	No
38754	TraesCS7B03G0675900	0.96427	1.29868	No	No

38756	TraesCS7B03G0676100	1.11167	2.10361	Up	Up
38757	TraesCS7B03G0676400	1.36697	0.58844	No	No
38758	TraesCS7B03G0676500	1.34397	0.59822	No	No
38759	TraesCS7B03G0676600	0.77427	0.75184	Down	Down
38760	TraesCS7B03G0676700	1.03947	1.20763	UP	UP
38762	TraesCS7B03G0678600	1.00382	1.12879	UP	UP
38763	TraesCS7B03G0678900	0.60795	1.88629	No	No
38764	TraesCS7B03G0679500	0.81693	1.68544	No	No
38768	TraesCS7B03G0679800	0.72613	0.947	Down	Down
38769	TraesCS7B03G0679900	0.95288	1.39147	No	No
38770	TraesCS7B03G0680100	0.7296	2.02409	Down	Up
38771	TraesCS7B03G0680300	1.01765	1.1568	UP	UP
38772	TraesCS7B03G0680500	1.01882	1.69743	UP	UP
38776	TraesCS7B03G0681400	1.22474	2.65838	Up	Up
38777	TraesCS7B03G0682100	0.58842	1.38479	No	No
38778	TraesCS7B03G0682100	0.93273	0.53222	Down	Down
38779	TraesCS7B03G0682200	0.887	1.41888	No	No
38780	TraesCS7B03G0682600	2.19786	1.88239	UP	UP
38781	TraesCS7B03G0683000	1.17093	0.69022	No	No
38782	TraesCS7B03G0683100	0.75221	1.37786	No	No
38783	TraesCS7B03G0683200	1.04834	0.65696	No	No
38784	TraesCS7B03G0683300	1.00143	0.43673	Up	Down
38785	TraesCS7B03G0684200	1.31645	0.35194	Up	Down
38786	TraesCS7B03G0684800	0.84333	0.66182	Down	Down
38787	TraesCS7B03G0685100	0.78897	1.36723	No	No
38789	TraesCS7B03G0685900	1.08549	0.40043	Up	Down
38790	TraesCS7B03G0686400	0.55679	0.48807	Down	Down
38792	TraesCS7B03G0688500	0.93268	0.7623	Down	Down
38793	TraesCS7B03G0688700	0.94455	1.0871	No	No
38794	TraesCS7B03G0689100	1.10253	2.50321	Up	Up
38795	TraesCS7B03G0689200	1.03681	1.24034	UP	UP
38796	TraesCS7B03G0689300	0.80362	0.7125	Down	Down
38797	TraesCS7B03G0690100	0.94131	1.4527	No	No
38798	TraesCS7B03G0690200	0.98003	0.37343	Down	Down
38799	TraesCS7B03G0690300	1.05196	0.88106	No	No
38800	TraesCS7B03G0691000	0.94654	1.46894	No	No
38802	TraesCS7B03G0692300	0.55806	3.7987	Down	Up
38803	TraesCS7B03G0693100	0.95473	0.38973	Down	Down
38804	TraesCS7B03G0694600	1.20813	1.03967	UP	UP
38805	TraesCS7B03G0694800	1.04616	2.68099	Up	Up
38806	TraesCS7B03G0695100	0.88843	1.0996	No	No
38807	TraesCS7B03G0695200	0.69621	1.8705	No	No
38809	TraesCS7B03G0695700	1.18854	2.01808	Up	Up
38810	TraesCS7B03G0696500	1.04004	1.14172	UP	UP
38811	TraesCS7B03G0698100	1.35249	1.44695	UP	UP
38812	TraesCS7B03G0698500	0.982	1.03956	No	No
38813	TraesCS7B03G0699600	1.34293	0.41471	Up	Down
38814	TraesCS7B03G0700800	0.83866	1.52963	No	No
38815	TraesCS7B03G0701300	1.10152	2.14661	Up	Up
38817	TraesCS7B03G0701900	0.94799	1.03448	No	No
38819	TraesCS7B03G0702300	1.23077	1.6832	UP	UP
38820	TraesCS7B03G0702900	1.23467	1.24856	UP	UP

38821	TraesCS7B03G0703400	1.08394	0.43254	Up	Down
38823	TraesCS7B03G0704200	0.99362	1.55469	No	No
38824	TraesCS7B03G0704300	1.13948	4.06826	Up	Up
38825	TraesCS7B03G0704900	1.25926	1.19972	UP	UP
38826	TraesCS7B03G0705500	0.58297	1.1699	No	No
38827	TraesCS7B03G0705800	1.52857	0.51131	No	No
38829	TraesCS7B03G0707300	1.49595	0.60808	No	No
38830	TraesCS7B03G0708100	1.59339	0.61322	No	No
38831	TraesCS7B03G0708600	0.81662	1.48609	No	No
38835	TraesCS7B03G0710400	0.7771	0.172	Down	Down
38836	TraesCS7B03G0710600	0.68328	0.52877	Down	Down
38839	TraesCS7B03G0711200	0.89536	1.21742	No	No
38840	TraesCS7B03G0711300	0.98781	0.99096	Down	Down
38841	TraesCS7B03G0711300	1.2079	1.13489	UP	UP
38842	TraesCS7B03G0712400	1.04401	8.20047	Up	Up
38843	TraesCS7B03G0712900	0.86067	1.07947	No	No
38844	TraesCS7B03G0714200	1.17425	2.60652	Up	Up
38845	TraesCS7B03G0714300	0.61853	4.85654	Down	Up
38846	TraesCS7B03G0714600	1.45581	1.55947	UP	UP
38847	TraesCS7B03G0714900	0.20855	5.55111	Down	Up
38848	TraesCS7B03G0715000	0.86195	1.27292	No	No
38849	TraesCS7B03G0715800	1.25136	0.42572	Up	Down
38850	TraesCS7B03G0715900	0.92371	0.92142	Down	Down
38852	TraesCS7B03G0716800	0.91661	1.10023	No	No
38854	TraesCS7B03G0717900	0.14529	10.096	Down	Up
38855	TraesCS7B03G0719500	0.78278	1.67331	No	No
38856	TraesCS7B03G0719700	0.74552	1.53926	No	No
38857	TraesCS7B03G0720900	0.76224	0.35706	Down	Down
38858	TraesCS7B03G0720900	2.59905	0.54476	Up	Down
38859	TraesCS7B03G0721500	0.64154	0.79587	Down	Down
38860	TraesCS7B03G0721600	1.80102	2.39302	Up	Up
38861	TraesCS7B03G0721700	1.20766	9.76885	Up	Up
38862	TraesCS7B03G0722300	1.51066	13.1035	Up	Up
38863	TraesCS7B03G0722400	1.1497	14.6103	Up	Up
38865	TraesCS7B03G0722800	0.37217	0.96979	Down	Down
38866	TraesCS7B03G0724400	0.72404	1.62129	No	No
38867	TraesCS7B03G0725000	0.83847	1.73457	No	No
38868	TraesCS7B03G0726700	1.33298	0.14787	Up	Down
38871	TraesCS7B03G0729000	0.8913	1.88528	No	No
38872	TraesCS7B03G0729200	0.88462	0.28275	Down	Down
38873	TraesCS7B03G0729200	1.25447	1.16229	UP	UP
38874	TraesCS7B03G0730000	1.36639	1.05985	UP	UP
38875	TraesCS7B03G0730400	0.84597	1.2357	No	No
38876	TraesCS7B03G0730400	0.58766	0.74519	Down	Down
38877	TraesCS7B03G0730800	0.69996	2.42388	Down	Up
38878	TraesCS7B03G0731000	0.17537	5.92938	Down	Up
38879	TraesCS7B03G0731300	1.82096	3.27778	Up	Up
38880	TraesCS7B03G0731400	1.03657	1.15354	UP	UP
38883	TraesCS7B03G0733800	0.53124	1.70201	No	No
38884	TraesCS7B03G0735100	0.94823	1.30679	No	No
38885	TraesCS7B03G0735600	1.50236	0.69554	No	No
38888	TraesCS7B03G0736900	0.35784	1.33427	Down	Up

38889	TraesCS7B03G0737600	3.04388	0.16604	Up	Down
38890	TraesCS7B03G0737900	3.37818	2.72636	Up	Up
38891	TraesCS7B03G0738400	0.9527	1.5936	No	No
38892	TraesCS7B03G0739500	1.03556	1.76418	UP	UP
38893	TraesCS7B03G0739800	1.11048	2.04803	Up	Up
38894	TraesCS7B03G0739800	1.16611	1.4586	UP	UP
38896	TraesCS7B03G0741300	0.5797	2.26038	Down	Up
38897	TraesCS7B03G0742500	1.09122	2.37794	Up	Up
38898	TraesCS7B03G0742700	1.36353	2.14232	Up	Up
38899	TraesCS7B03G0742900	0.87764	1.32501	No	No
38900	TraesCS7B03G0743400	0.37873	2.24114	Down	Up
38903	TraesCS7B03G0746300	0.9182	0.9582	Down	Down
38904	TraesCS7B03G0746500	1.00016	1.61927	UP	UP
38905	TraesCS7B03G0747800	0.85539	0.92742	Down	Down
38906	TraesCS7B03G0748000	0.8283	2.9284	Down	Up
38908	TraesCS7B03G0748900	1.00301	2.1177	Up	Up
38909	TraesCS7B03G0751700	1.39302	1.00771	UP	UP
38910	TraesCS7B03G0752300	0.97118	0.80702	Down	Down
38911	TraesCS7B03G0752800	1.10216	2.00232	Up	Up
38912	TraesCS7B03G0752900	0.93469	1.37408	No	No
38913	TraesCS7B03G0754100	0.75339	1.41072	No	No
38914	TraesCS7B03G0754700	0.76537	0.91542	Down	Down
38915	TraesCS7B03G0754900	0.59183	3.61471	Down	Up
38916	TraesCS7B03G0755100	0.70033	0.80241	Down	Down
38917	TraesCS7B03G0756600	0.83149	0.25886	Down	Down
38918	TraesCS7B03G0756700	1.01908	0.19797	Up	Down
38919	TraesCS7B03G0756800	0.86023	1.09355	No	No
38920	TraesCS7B03G0756900	0.91738	1.26885	No	No
38921	TraesCS7B03G0757500	0.83849	1.28254	No	No
38922	TraesCS7B03G0757900	1.02219	0.52418	No	No
38924	TraesCS7B03G0758900	1.05562	1.22937	UP	UP
38925	TraesCS7B03G0759000	0.97895	2.59795	Down	Up
38926	TraesCS7B03G0759100	0.95207	0.75225	Down	Down
38927	TraesCS7B03G0759200	0.50439	2.8394	Down	Up
38928	TraesCS7B03G0759500	0.81081	0.71783	Down	Down
38929	TraesCS7B03G0759700	1.7666	0.16442	Up	Down
38930	TraesCS7B03G0760200	0.85848	1.22903	No	No
38931	TraesCS7B03G0760300	0.75649	0.74141	Down	Down
38933	TraesCS7B03G0760700	0.93261	0.15339	Down	Down
38934	TraesCS7B03G0760900	0.95987	0.58911	Down	Down
38935	TraesCS7B03G0761100	1.20053	1.26101	UP	UP
38936	TraesCS7B03G0762300	0.60631	2.71841	Down	Up
38937	TraesCS7B03G0763300	1.1897	0.87423	No	No
38938	TraesCS7B03G0763500	2.25944	0.82588	Up	Down
38939	TraesCS7B03G0763600	0.57961	4.53715	Down	Up
38940	TraesCS7B03G0764000	1.08236	0.84063	No	No
38941	TraesCS7B03G0764100	0.83507	4.59335	Down	Up
38942	TraesCS7B03G0764200	1.12552	0.50248	No	No
38943	TraesCS7B03G0764300	0.70817	3.94785	Down	Up
38944	TraesCS7B03G0764900	0.74216	1.3813	No	No
38945	TraesCS7B03G0765500	1.43354	1.86248	UP	UP
38946	TraesCS7B03G0767400	0.7215	0.54463	Down	Down

38947	TraesCS7B03G0768500	1.06436	1.11397	UP	UP
38948	TraesCS7B03G0769700	0.63725	1.27436	No	No
38949	TraesCS7B03G0770000	1.37991	0.98561	No	No
38950	TraesCS7B03G0770200	0.73458	1.44897	No	No
38951	TraesCS7B03G0771200	1.03361	1.41163	UP	UP
38952	TraesCS7B03G0771400	0.87127	0.43061	Down	Down
38953	TraesCS7B03G0771600	0.93682	0.84294	Down	Down
38954	TraesCS7B03G0771700	1.44331	0.09207	Up	Down
38955	TraesCS7B03G0771900	0.71497	1.1563	No	No
38956	TraesCS7B03G0773800	0.9498	0.69609	Down	Down
38957	TraesCS7B03G0773900	0.87809	0.82598	Down	Down
38958	TraesCS7B03G0774900	0.55452	4.01801	Down	Up
38959	TraesCS7B03G0776400	0.684	2.50562	Down	Up
38960	TraesCS7B03G0776800	0.59	0.35334	Down	Down
38963	TraesCS7B03G0777500	2.29533	0.53118	Up	Down
38964	TraesCS7B03G0777600	1.09941	0.59169	No	No
38965	TraesCS7B03G0777700	0.97106	1.51547	No	No
38966	TraesCS7B03G0777800	0.92666	0.99348	Down	Down
38967	TraesCS7B03G0778200	0.75495	1.77819	No	No
38969	TraesCS7B03G0778400	1.86937	0.40397	Up	Down
38970	TraesCS7B03G0780300	0.62431	0.73289	Down	Down
38971	TraesCS7B03G0780400	1.03019	2.23735	Up	Up
38972	TraesCS7B03G0780500	0.93422	0.38722	Down	Down
38973	TraesCS7B03G0780600	0.94225	1.11493	No	No
38974	TraesCS7B03G0780900	0.92581	0.56234	Down	Down
38975	TraesCS7B03G0781000	1.13917	0.98128	No	No
38976	TraesCS7B03G0781200	0.81643	2.25116	Down	Up
38977	TraesCS7B03G0781300	0.98731	0.86569	Down	Down
38978	TraesCS7B03G0781400	0.96845	0.40132	Down	Down
38981	TraesCS7B03G0782000	0.86403	1.09585	No	No
38982	TraesCS7B03G0782400	0.7493	2.28157	Down	Up
38983	TraesCS7B03G0782800	1.36031	0.41181	Up	Down
38984	TraesCS7B03G0783200	0.58812	1.62087	No	No
38985	TraesCS7B03G0783300	0.96858	1.09156	No	No
38986	TraesCS7B03G0783500	0.86301	1.16565	No	No
38987	TraesCS7B03G0785400	0.9929	1.03924	No	No
38988	TraesCS7B03G0785800	0.61044	1.08642	No	No
38989	TraesCS7B03G0786100	0.86378	0.76246	Down	Down
38990	TraesCS7B03G0786300	0.94692	2.17747	Down	Up
38991	TraesCS7B03G0788100	1.28436	0.29952	Up	Down
38992	TraesCS7B03G0788400	1.05832	1.33837	UP	UP
38993	TraesCS7B03G0788700	1.46566	0.71665	No	No
38994	TraesCS7B03G0790800	0.94963	1.15933	No	No
38995	TraesCS7B03G0791500	1.37789	0.77377	No	No
38996	TraesCS7B03G0791600	0.68324	1.14285	No	No
39000	TraesCS7B03G0793900	1.0068	1.5944	UP	UP
39001	TraesCS7B03G0794000	1.26584	1.77677	UP	UP
39002	TraesCS7B03G0794100	1.53799	1.81155	UP	UP
39003	TraesCS7B03G0794200	1.25974	1.39532	UP	UP
39005	TraesCS7B03G0796700	0.45455	19.2289	Down	Up
39006	TraesCS7B03G0796900	0.86342	1.0882	No	No
39007	TraesCS7B03G0797100	1.18269	0.92778	No	No

39008	TraesCS7B03G0797500	0.80932	0.41449	Down	Down
39009	TraesCS7B03G0797500	0.73699	0.46479	Down	Down
39010	TraesCS7B03G0798300	1.06132	0.63904	No	No
39011	TraesCS7B03G0799300	1.01043	0.83931	No	No
39012	TraesCS7B03G0799700	0.65167	3.00853	Down	Up
39013	TraesCS7B03G0800800	1.08747	1.07025	UP	UP
39014	TraesCS7B03G0801300	0.72559	0.45489	Down	Down
39015	TraesCS7B03G0801400	1.23279	0.57376	No	No
39016	TraesCS7B03G0801900	0.95588	1.36195	No	No
39017	TraesCS7B03G0802200	1.26491	0.96411	No	No
39018	TraesCS7B03G0802300	0.76486	1.70256	No	No
39019	TraesCS7B03G0802400	1.03567	4.48386	Up	Up
39020	TraesCS7B03G0802500	0.8417	1.31978	No	No
39022	TraesCS7B03G0808300	1.57467	0.66127	No	No
39023	TraesCS7B03G0809600	0.35338	0.54853	Down	Down
39024	TraesCS7B03G0809700	1.05623	1.23806	UP	UP
39025	TraesCS7B03G0810100	0.83687	1.37542	No	No
39026	TraesCS7B03G0810300	0.9764	0.87143	Down	Down
39027	TraesCS7B03G0810500	1.58047	2.43439	Up	Up
39028	TraesCS7B03G0811700	0.80089	2.25711	Down	Up
39029	TraesCS7B03G0816400	1.13712	0.56275	No	No
39030	TraesCS7B03G0817600	1.28156	0.7876	No	No
39031	TraesCS7B03G0817800	0.78045	4.98715	Down	Up
39032	TraesCS7B03G0819000	0.99112	1.00623	No	No
39035	TraesCS7B03G0819800	1.16968	1.36503	UP	UP
39039	TraesCS7B03G0821500	1.54985	0.73196	No	No
39040	TraesCS7B03G0821600	0.78357	1.24346	No	No
39041	TraesCS7B03G0822500	0.76725	1.32764	No	No
39042	TraesCS7B03G0823600	0.9934	0.54765	Down	Down
39043	TraesCS7B03G0823600	0.78428	0.18862	Down	Down
39044	TraesCS7B03G0823800	0.95222	1.0042	No	No
39045	TraesCS7B03G0824100	0.52698	3.04902	Down	Up
39046	TraesCS7B03G0824400	1.08161	1.20906	UP	UP
39048	TraesCS7B03G0824900	1.20018	0.79755	No	No
39049	TraesCS7B03G0825800	0.75905	0.45395	Down	Down
39050	TraesCS7B03G0826300	1.33936	1.78151	UP	UP
39051	TraesCS7B03G0826400	1.15449	0.74829	No	No
39052	TraesCS7B03G0826900	1.09764	1.31215	UP	UP
39053	TraesCS7B03G0827100	1.05758	0.47472	Up	Down
39054	TraesCS7B03G0830200	1.74223	0.70056	No	No
39055	TraesCS7B03G0830300	0.77039	0.62291	Down	Down
39056	TraesCS7B03G0830400	0.43992	1.95626	Down	Up
39057	TraesCS7B03G0830400	0.61144	1.57918	No	No
39058	TraesCS7B03G0830500	0.78334	0.9632	Down	Down
39059	TraesCS7B03G0830700	0.84976	1.04439	No	No
39061	TraesCS7B03G0831100	0.92956	15.4237	Down	Up
39062	TraesCS7B03G0835300	1.33578	0.39094	Up	Down
39063	TraesCS7B03G0836200	0.9803	2.43641	Down	Up
39065	TraesCS7B03G0839200	1.46722	0.78795	No	No
39069	TraesCS7B03G0843200	0.3778	0.51235	Down	Down
39070	TraesCS7B03G0843200	0.50077	1.21176	No	No
39071	TraesCS7B03G0843300	1.07928	0.37591	Up	Down

39072	TraesCS7B03G0844100	0.81578	1.32288	No	No
39073	TraesCS7B03G0844800	1.17032	0.12379	Up	Down
39074	TraesCS7B03G0845300	0.97702	0.87275	Down	Down
39075	TraesCS7B03G0845600	0.95638	1.15285	No	No
39076	TraesCS7B03G0845700	0.89436	0.29864	Down	Down
39077	TraesCS7B03G0846100	0.77649	0.63294	Down	Down
39079	TraesCS7B03G0846900	0.82612	2.71082	Down	Up
39080	TraesCS7B03G0847100	1.01198	1.06165	UP	UP
39082	TraesCS7B03G0847700	1.82456	0.80699	No	No
39083	TraesCS7B03G0848900	0.94146	1.30545	No	No
39084	TraesCS7B03G0849200	0.94639	2.62738	Down	Up
39085	TraesCS7B03G0849700	0.82986	2.48351	Down	Up
39087	TraesCS7B03G0850000	1.17138	0.78727	No	No
39088	TraesCS7B03G0850100	1.8762	1.12889	UP	UP
39089	TraesCS7B03G0850600	0.94049	1.48594	No	No
39091	TraesCS7B03G0854500	0.76104	1.99019	No	No
39092	TraesCS7B03G0855600	0.86907	1.35004	No	No
39094	TraesCS7B03G0856900	1.13464	0.87848	No	No
39095	TraesCS7B03G0857000	0.77208	0.54673	Down	Down
39096	TraesCS7B03G0857100	0.82096	0.76989	Down	Down
39097	TraesCS7B03G0858200	0.97568	0.72627	Down	Down
39099	TraesCS7B03G0859600	1.21921	0.91779	No	No
39102	TraesCS7B03G0860600	0.86932	2.43953	Down	Up
39103	TraesCS7B03G0861100	1.07002	1.54813	UP	UP
39104	TraesCS7B03G0862100	1.1353	1.14616	UP	UP
39105	TraesCS7B03G0863100	1.26152	0.41441	Up	Down
39106	TraesCS7B03G0863300	0.91797	0.50212	Down	Down
39107	TraesCS7B03G0863400	1.14779	1.58681	UP	UP
39108	TraesCS7B03G0863800	0.9465	1.27533	No	No
39109	TraesCS7B03G0863900	0.93774	1.28431	No	No
39111	TraesCS7B03G0865700	1.00616	0.83915	No	No
39112	TraesCS7B03G0865900	0.84819	1.19819	No	No
39113	TraesCS7B03G0866300	0.52038	0.90855	Down	Down
39114	TraesCS7B03G0868800	1.01583	1.34673	UP	UP
39115	TraesCS7B03G0869300	1.55487	1.37621	UP	UP
39116	TraesCS7B03G0870000	1.00415	0.81106	No	No
39117	TraesCS7B03G0870400	0.51554	2.93072	Down	Up
39118	TraesCS7B03G0870700	0.80975	1.04412	No	No
39119	TraesCS7B03G0871400	1.35415	1.16465	UP	UP
39120	TraesCS7B03G0872200	0.99761	4.32749	Down	Up
39122	TraesCS7B03G0873000	1.3907	3.74206	Up	Up
39124	TraesCS7B03G0879000	0.69733	2.27953	Down	Up
39125	TraesCS7B03G0881800	1.0956	3.25673	Up	Up
39126	TraesCS7B03G0883500	1.42797	0.19956	Up	Down
39129	TraesCS7B03G0889200	0.90552	1.08771	No	No
39130	TraesCS7B03G0893400	1.11925	1.29308	UP	UP
39131	TraesCS7B03G0893500	0.89682	0.67979	Down	Down
39133	TraesCS7B03G0894800	0.93303	0.58406	Down	Down
39135	TraesCS7B03G0896000	1.25044	0.77878	No	No
39136	TraesCS7B03G0896100	0.85132	3.49546	Down	Up
39137	TraesCS7B03G0897700	1.29387	1.44447	UP	UP
39139	TraesCS7B03G0897900	0.65495	8.67906	Down	Up

39142	TraesCS7B03G0900100	0.65197	0.71014	Down	Down
39145	TraesCS7B03G0904300	1.81318	0.33137	Up	Down
39146	TraesCS7B03G0904400	0.96261	0.24288	Down	Down
39147	TraesCS7B03G0905100	1.13812	1.03895	UP	UP
39148	TraesCS7B03G0905200	1.58618	1.11294	UP	UP
39149	TraesCS7B03G0905800	1.1249	0.71553	No	No
39153	TraesCS7B03G0907100	0.7099	0.75715	Down	Down
39154	TraesCS7B03G0908800	1.24908	0.57263	No	No
39155	TraesCS7B03G0910900	1.07013	0.78869	No	No
39156	TraesCS7B03G0912200	0.85344	1.48327	No	No
39157	TraesCS7B03G0912300	0.73495	1.94294	No	No
39158	TraesCS7B03G0913200	0.85486	1.13901	No	No
39159	TraesCS7B03G0916600	0.82397	0.80888	Down	Down
39160	TraesCS7B03G0917200	0.54974	2.23293	Down	Up
39161	TraesCS7B03G0917900	1.05978	0.91823	No	No
39162	TraesCS7B03G0918600	0.68809	1.27201	No	No
39167	TraesCS7B03G0925400	0.7866	1.20496	No	No
39168	TraesCS7B03G0926300	0.26078	1.67208	Down	Up
39169	TraesCS7B03G0926700	0.88117	0.88413	Down	Down
39170	TraesCS7B03G0927400	1.2534	1.16198	UP	UP
39171	TraesCS7B03G0927600	0.93838	0.98594	Down	Down
39172	TraesCS7B03G0928200	1.11594	1.02937	UP	UP
39174	TraesCS7B03G0929000	0.84264	2.04419	Down	Up
39178	TraesCS7B03G0932100	0.87394	0.68828	Down	Down
39180	TraesCS7B03G0934500	1.31027	0.59887	No	No
39182	TraesCS7B03G0935900	3.02662	0.27161	Up	Down
39183	TraesCS7B03G0936000	2.4866	0.69917	Up	Down
39184	TraesCS7B03G0939200	1.02543	32.5942	Up	Up
39185	TraesCS7B03G0939600	0.82823	0.53042	Down	Down
39186	TraesCS7B03G0939900	0.77592	3.34423	Down	Up
39187	TraesCS7B03G0940100	1.18565	0.78473	No	No
39188	TraesCS7B03G0942100	0.85099	1.26408	No	No
39189	TraesCS7B03G0942300	0.76533	1.12474	No	No
39190	TraesCS7B03G0942800	0.97129	1.34306	No	No
39191	TraesCS7B03G0948200	1.26357	0.97944	No	No
39192	TraesCS7B03G0948300	0.66373	1.12058	No	No
39193	TraesCS7B03G0948300	0.78817	0.70328	Down	Down
39194	TraesCS7B03G0948700	0.72143	1.02191	No	No
39196	TraesCS7B03G0949200	0.67255	0.99727	Down	Down
39197	TraesCS7B03G0949800	0.87326	1.54676	No	No
39199	TraesCS7B03G0951400	1.44778	1.5389	UP	UP
39200	TraesCS7B03G0953600	0.29405	5.28455	Down	Up
39201	TraesCS7B03G0953700	0.5151	2.04085	Down	Up
39203	TraesCS7B03G0953900	0.8711	3.15457	Down	Up
39204	TraesCS7B03G0955100	1.81832	0.92765	No	No
39206	TraesCS7B03G0958000	1.21053	1.16211	UP	UP
39210	TraesCS7B03G0960600	1.01992	1.01302	UP	UP
39211	TraesCS7B03G0960900	1.03882	1.5181	UP	UP
39212	TraesCS7B03G0961100	0.93699	0.49751	Down	Down
39214	TraesCS7B03G0964100	0.99407	1.35933	No	No
39215	TraesCS7B03G0965100	0.98806	2.94103	Down	Up
39216	TraesCS7B03G0965400	0.98388	0.52115	Down	Down

39217	TraesCS7B03G0965700	1.29694	1.03652	UP	UP
39218	TraesCS7B03G0966100	0.91507	1.39387	No	No
39220	TraesCS7B03G0967700	0.99572	1.15856	No	No
39223	TraesCS7B03G0969600	1.0792	0.78318	No	No
39225	TraesCS7B03G0970900	1.07321	0.62464	No	No
39226	TraesCS7B03G0971200	0.77255	0.96477	Down	Down
39227	TraesCS7B03G0971400	0.93508	1.12768	No	No
39228	TraesCS7B03G0971800	0.88996	0.14838	Down	Down
39229	TraesCS7B03G0974300	0.88586	0.68046	Down	Down
39230	TraesCS7B03G0976000	0.72698	1.33274	No	No
39231	TraesCS7B03G0976200	1.91926	1.46395	UP	UP
39233	TraesCS7B03G0977000	0.95716	1.67461	No	No
39234	TraesCS7B03G0977400	0.76494	0.64072	Down	Down
39235	TraesCS7B03G0977700	0.79991	0.85338	Down	Down
39238	TraesCS7B03G0978800	0.98872	1.33656	No	No
39239	TraesCS7B03G0978900	1.15364	0.91666	No	No
39240	TraesCS7B03G0979200	1.28259	0.87971	No	No
39241	TraesCS7B03G0979600	0.76367	4.63513	Down	Up
39242	TraesCS7B03G0980200	0.42841	10.992	Down	Up
39243	TraesCS7B03G0980300	1.04497	0.78951	No	No
39244	TraesCS7B03G0980600	0.94667	0.81525	Down	Down
39245	TraesCS7B03G0980700	0.93203	1.07152	No	No
39246	TraesCS7B03G0981200	1.85328	1.88826	UP	UP
39248	TraesCS7B03G0981400	0.9511	0.53824	Down	Down
39249	TraesCS7B03G0981600	1.12855	1.69427	UP	UP
39250	TraesCS7B03G0982400	0.80188	0.76758	Down	Down
39251	TraesCS7B03G0982700	0.63824	4.80941	Down	Up
39253	TraesCS7B03G0983500	1.09252	1.57776	UP	UP
39254	TraesCS7B03G0983500	1.58413	1.36732	UP	UP
39255	TraesCS7B03G0984400	1.17898	1.13427	UP	UP
39256	TraesCS7B03G0985100	1.31807	0.80961	No	No
39257	TraesCS7B03G0986300	0.7336	1.12039	No	No
39258	TraesCS7B03G0987400	1.32143	1.1193	UP	UP
39260	TraesCS7B03G0990100	1.13794	1.76217	UP	UP
39261	TraesCS7B03G0990300	0.5224	0.51166	Down	Down
39262	TraesCS7B03G0990800	1.34976	1.10245	UP	UP
39263	TraesCS7B03G0991600	0.44945	1.04841	Down	Up
39264	TraesCS7B03G0992300	1.06145	0.93962	No	No
39265	TraesCS7B03G0993800	0.76925	1.29296	No	No
39267	TraesCS7B03G0996700	0.37593	0.79075	Down	Down
39269	TraesCS7B03G0998800	0.87854	1.39491	No	No
39270	TraesCS7B03G1001100	1.56767	0.586	No	No
39271	TraesCS7B03G1001800	1.09017	1.03537	UP	UP
39272	TraesCS7B03G1002800	1.27695	1.38138	UP	UP
39273	TraesCS7B03G1002900	1.01941	0.79166	No	No
39274	TraesCS7B03G1003300	0.73553	0.73951	Down	Down
39275	TraesCS7B03G1003400	0.84172	2.22381	Down	Up
39276	TraesCS7B03G1004000	0.91634	0.63246	Down	Down
39277	TraesCS7B03G1004200	1.06447	1.96853	UP	UP
39278	TraesCS7B03G1011300	0.979	0.89852	Down	Down
39279	TraesCS7B03G1023500	0.89104	0.83473	Down	Down
39281	TraesCS7B03G1025400	1.14466	2.25509	Up	Up

39285	TraesCS7B03G1026600	0.61755	0.52777	Down	Down
39286	TraesCS7B03G1026800	0.7858	1.64109	No	No
39287	TraesCS7B03G1026900	0.6893	1.988	No	No
39288	TraesCS7B03G1030900	0.50639	0.50777	Down	Down
39289	TraesCS7B03G1033800	1.7429	0.38415	Up	Down
39290	TraesCS7B03G1034300	0.91483	0.62876	Down	Down
39291	TraesCS7B03G1034600	0.96835	1.34926	No	No
39292	TraesCS7B03G1037100	0.80416	1.35232	No	No
39296	TraesCS7B03G1041300	0.45223	0.99648	Down	Down
39298	TraesCS7B03G1043200	0.89691	0.79971	Down	Down
39300	TraesCS7B03G1046700	1.19184	0.49191	Up	Down
39301	TraesCS7B03G1049300	0.76824	1.09549	No	No
39302	TraesCS7B03G1053400	0.86525	4.8093	Down	Up
39303	TraesCS7B03G1053500	0.97621	1.54833	No	No
39305	TraesCS7B03G1055300	2.28617	1.47125	Up	Up
39308	TraesCS7B03G1057200	0.90203	1.0589	No	No
39309	TraesCS7B03G1057400	1.19552	1.64161	UP	UP
39312	TraesCS7B03G1058200	0.92574	0.40283	Down	Down
39313	TraesCS7B03G1059200	1.0154	0.95671	No	No
39314	TraesCS7B03G1059500	0.86387	1.57294	No	No
39315	TraesCS7B03G1059600	1.10383	1.6393	UP	UP
39316	TraesCS7B03G1059700	1.21317	0.80044	No	No
39317	TraesCS7B03G1060000	1.31689	1.21749	UP	UP
39320	TraesCS7B03G1061700	1.45569	0.66167	No	No
39321	TraesCS7B03G1062800	0.96266	1.50517	No	No
39322	TraesCS7B03G1063000	1.08105	0.99282	No	No
39323	TraesCS7B03G1066200	1.92457	0.69943	No	No
39325	TraesCS7B03G1067300	1.01008	2.18279	Up	Up
39326	TraesCS7B03G1071800	1.25697	1.09623	UP	UP
39327	TraesCS7B03G1074600	0.62401	0.88642	Down	Down
39329	TraesCS7B03G1075600	0.63457	4.70026	Down	Up
39330	TraesCS7B03G1075900	0.64229	3.56584	Down	Up
39331	TraesCS7B03G1076200	0.76635	1.23423	No	No
39332	TraesCS7B03G1077800	1.45789	0.74049	No	No
39336	TraesCS7B03G1079600	0.82731	1.33444	No	No
39337	TraesCS7B03G1080500	0.91534	0.88952	Down	Down
39338	TraesCS7B03G1080900	1.12253	0.29966	Up	Down
39339	TraesCS7B03G1081000	1.01911	0.57341	No	No
39340	TraesCS7B03G1087400	1.06114	1.18455	UP	UP
39341	TraesCS7B03G1091800	1.07906	1.89896	UP	UP
39342	TraesCS7B03G1093700	0.739	4.94196	Down	Up
39343	TraesCS7B03G1095200	0.71854	1.3569	No	No
39344	TraesCS7B03G1097500	0.28429	1.20317	Down	Up
39345	TraesCS7B03G1101600	0.41245	0.87315	Down	Down
39346	TraesCS7B03G1103800	0.90017	0.83719	Down	Down
39347	TraesCS7B03G1108000	0.59899	0.33156	Down	Down
39348	TraesCS7B03G1109000	0.94297	0.74423	Down	Down
39349	TraesCS7B03G1109100	0.99646	0.7333	Down	Down
39350	TraesCS7B03G1109200	2.00741	0.80207	Up	Down
39351	TraesCS7B03G1109300	0.70339	3.20008	Down	Up
39352	TraesCS7B03G1109400	0.86557	1.50949	No	No
39353	TraesCS7B03G1109900	0.79552	2.32718	Down	Up

39354	TraesCS7B03G1110000	0.87817	0.46239	Down	Down
39355	TraesCS7B03G1110000	1.01678	0.54199	No	No
39357	TraesCS7B03G1111600	1.18401	3.18889	Up	Up
39358	TraesCS7B03G1114600	0.80328	0.77945	Down	Down
39359	TraesCS7B03G1115300	1.17903	1.01348	UP	UP
39360	TraesCS7B03G1119100	0.8836	1.35267	No	No
39361	TraesCS7B03G1125600	2.5506	0.81066	Up	Down
39365	TraesCS7B03G1134000	1.31082	0.92037	No	No
39366	TraesCS7B03G1134600	0.8109	0.50124	Down	Down
39367	TraesCS7B03G1138600	1.03379	1.6013	UP	UP
39368	TraesCS7B03G1138700	0.98309	1.16607	No	No
39369	TraesCS7B03G1139600	1.73291	0.41081	Up	Down
39370	TraesCS7B03G1139600	2.30226	0.38057	Up	Down
39371	TraesCS7B03G1140700	0.86165	0.67389	Down	Down
39372	TraesCS7B03G1142000	0.61285	2.02676	Down	Up
39373	TraesCS7B03G1142500	0.43099	1.24968	Down	Up
39374	TraesCS7B03G1168000	0.95216	0.49949	Down	Down
39376	TraesCS7B03G1173600	0.77226	1.05214	No	No
39377	TraesCS7B03G1174700	0.64861	0.81721	Down	Down
39378	TraesCS7B03G1175600	0.79322	1.92234	No	No
39379	TraesCS7B03G1175900	0.99697	2.92177	Down	Up
39380	TraesCS7B03G1176100	0.76002	1.12959	No	No
39381	TraesCS7B03G1176700	0.85031	1.04256	No	No
39382	TraesCS7B03G1176800	1.0923	0.33363	Up	Down
39383	TraesCS7B03G1177000	0.89229	1.32887	No	No
39384	TraesCS7B03G1177200	1.40014	1.31354	UP	UP
39385	TraesCS7B03G1178300	1.79983	1.10317	UP	UP
39386	TraesCS7B03G1178600	0.82323	0.96999	Down	Down
39388	TraesCS7B03G1179800	0.82594	1.78932	No	No
39389	TraesCS7B03G1180200	0.89397	1.64465	No	No
39390	TraesCS7B03G1180800	0.90628	1.42368	No	No
39391	TraesCS7B03G1182200	0.92375	0.91845	Down	Down
39392	TraesCS7B03G1185200	0.73152	2.06957	Down	Up
39393	TraesCS7B03G1185800	0.94645	2.07969	Down	Up
39394	TraesCS7B03G1185900	1.0204	1.3574	UP	UP
39395	TraesCS7B03G1186000	0.89051	1.31663	No	No
39396	TraesCS7B03G1188400	0.84467	0.79383	Down	Down
39397	TraesCS7B03G1191100	0.86363	8.47279	Down	Up
39398	TraesCS7B03G1191500	1.02036	4.6761	Up	Up
39399	TraesCS7B03G1191900	1.39394	1.51632	UP	UP
39400	TraesCS7B03G1192500	0.59374	1.9419	No	No
39401	TraesCS7B03G1192600	1.07112	1.14701	UP	UP
39402	TraesCS7B03G1192700	1.08449	0.99311	No	No
39403	TraesCS7B03G1193100	1.1178	1.35578	UP	UP
39404	TraesCS7B03G1193400	1.09334	1.35894	UP	UP
39405	TraesCS7B03G1193700	1.00974	1.00241	UP	UP
39406	TraesCS7B03G1197300	1.35294	0.4155	Up	Down
39407	TraesCS7B03G1197600	1.0443	0.44722	Up	Down
39408	TraesCS7B03G1197700	1.11693	1.0379	UP	UP
39410	TraesCS7B03G1200200	0.91095	1.78408	No	No
39411	TraesCS7B03G1200500	1.24166	3.31735	Up	Up
39413	TraesCS7B03G1202200	1.01909	1.38813	UP	UP

39414	TraesCS7B03G1202300	1.12057	0.56406	No	No
39415	TraesCS7B03G1202400	1.67303	1.3725	UP	UP
39416	TraesCS7B03G1202500	1.252	0.68015	No	No
39417	TraesCS7B03G1204400	0.32886	8.6397	Down	Up
39418	TraesCS7B03G1208400	1.21367	0.21817	Up	Down
39419	TraesCS7B03G1209800	1.13246	1.04929	UP	UP
39420	TraesCS7B03G1212900	0.69109	3.99951	Down	Up
39421	TraesCS7B03G1214600	0.7915	0.62979	Down	Down
39423	TraesCS7B03G1217900	1.17215	0.54686	No	No
39424	TraesCS7B03G1218000	0.57874	0.73003	Down	Down
39425	TraesCS7B03G1218300	0.9788	1.1666	No	No
39426	TraesCS7B03G1218400	1.28718	1.20024	UP	UP
39428	TraesCS7B03G1220900	0.83475	0.63508	Down	Down
39429	TraesCS7B03G1226700	0.82835	1.15167	No	No
39430	TraesCS7B03G1227600	1.35384	0.13638	Up	Down
39432	TraesCS7B03G1228600	1.60926	1.08816	UP	UP
39433	TraesCS7B03G1229000	0.97094	0.51403	Down	Down
39434	TraesCS7B03G1239600	0.48355	2.4552	Down	Up
39435	TraesCS7B03G1240800	1.45692	0.8677	No	No
39436	TraesCS7B03G1241300	1.0604	1.99452	UP	UP
39439	TraesCS7B03G1242100	1.09002	0.36746	Up	Down
39440	TraesCS7B03G1242400	1.13414	1.36438	UP	UP
39441	TraesCS7B03G1245900	1.11218	0.60658	No	No
39444	TraesCS7B03G1250400	1.4233	1.04306	UP	UP
39445	TraesCS7B03G1250600	1.2802	1.07877	UP	UP
39446	TraesCS7B03G1250700	0.96711	0.90828	Down	Down
39447	TraesCS7B03G1250800	0.88196	2.41847	Down	Up
39448	TraesCS7B03G1262500	1.26871	1.4247	UP	UP
39449	TraesCS7B03G1262700	1.43422	0.91529	No	No
39451	TraesCS7B03G1267400	0.98029	0.42041	Down	Down
39453	TraesCS7B03G1269600	1.08458	0.65265	No	No
39454	TraesCS7B03G1272500	0.95704	1.40608	No	No
39455	TraesCS7B03G1272900	0.63196	7.70797	Down	Up
39456	TraesCS7B03G1274100	1.30985	1.17016	UP	UP
39459	TraesCS7B03G1278900	0.79759	1.23015	No	No
39460	TraesCS7B03G1279100	1.07116	1.06384	UP	UP
39461	TraesCS7B03G1281000	1.28584	0.89123	No	No
39462	TraesCS7B03G1299100	1.17224	1.1682	UP	UP
39463	TraesCS7B03G1299200	1.16287	0.93582	No	No
39464	TraesCS7B03G1302400	1.52075	0.30663	Up	Down
39465	TraesCS7B03G1302500	1.07124	1.14973	UP	UP
39467	TraesCS7B03G1303000	0.4115	12.0558	Down	Up
39468	TraesCS7B03G1307200	0.92999	0.32625	Down	Down
39469	TraesCS7B03G1318100	0.98995	1.02894	No	No
39471	TraesCS7B03G1318600	0.90071	1.38388	No	No
39472	TraesCS7B03G1341800	1.17713	1.1487	UP	UP
39473	TraesCS7B03G1341900	0.80044	0.96083	Down	Down
39474	TraesCS7B03G1342000	1.31074	1.39342	UP	UP
39475	TraesCS7B03G1342000	0.64543	0.97201	Down	Down
39476	TraesCS7B03G1342000	1.07545	1.12041	UP	UP
39478	TraesCS7D03G0000400	1.74855	0.71241	No	No
39479	TraesCS7D03G0000400	1.56674	1.50082	UP	UP

39480	TraesCS7D03G0000500	0.98652	1.69096	No	No
39481	TraesCS7D03G0000900	0.9897	0.33148	Down	Down
39482	TraesCS7D03G0001000	0.58552	1.40927	No	No
39483	TraesCS7D03G0001100	0.5985	1.15075	No	No
39485	TraesCS7D03G0004000	1.01606	0.96838	No	No
39487	TraesCS7D03G0004300	0.54872	2.1138	Down	Up
39488	TraesCS7D03G0007200	1.06672	0.83495	No	No
39489	TraesCS7D03G0007300	0.85136	1.37814	No	No
39490	TraesCS7D03G0007600	0.69258	0.72329	Down	Down
39491	TraesCS7D03G0009300	1.25935	0.90596	No	No
39492	TraesCS7D03G0009700	1.0224	1.07859	UP	UP
39493	TraesCS7D03G0010000	1.03955	0.435	Up	Down
39494	TraesCS7D03G0011300	1.23758	0.95425	No	No
39495	TraesCS7D03G0012800	1.1044	2.34436	Up	Up
39496	TraesCS7D03G0019500	0.9541	0.41976	Down	Down
39497	TraesCS7D03G0019600	1.11739	1.06121	UP	UP
39498	TraesCS7D03G0021600	0.3553	0.41947	Down	Down
39499	TraesCS7D03G0021800	0.90448	1.37357	No	No
39500	TraesCS7D03G0024000	0.86324	0.91599	Down	Down
39501	TraesCS7D03G0024300	0.83093	1.0564	No	No
39502	TraesCS7D03G0024500	1.27738	1.38328	UP	UP
39505	TraesCS7D03G0025300	0.91302	1.79312	No	No
39506	TraesCS7D03G0025400	0.60217	1.12295	No	No
39507	TraesCS7D03G0025800	1.18191	2.56741	Up	Up
39508	TraesCS7D03G0025800	0.43599	1.54762	Down	Up
39509	TraesCS7D03G0025900	1.20772	0.82781	No	No
39510	TraesCS7D03G0026100	1.24115	0.95897	No	No
39511	TraesCS7D03G0026500	0.62445	1.61974	No	No
39513	TraesCS7D03G0027200	1.52123	0.62211	No	No
39514	TraesCS7D03G0027700	0.73572	1.56237	No	No
39518	TraesCS7D03G0029400	1.20706	0.75043	No	No
39519	TraesCS7D03G0030700	1.15375	1.33713	UP	UP
39520	TraesCS7D03G0031700	0.91829	0.53328	Down	Down
39522	TraesCS7D03G0032200	1.04881	1.31869	UP	UP
39523	TraesCS7D03G0032900	1.02836	0.81909	No	No
39524	TraesCS7D03G0033000	1.52901	0.46806	Up	Down
39525	TraesCS7D03G0033000	0.37114	0.28419	Down	Down
39526	TraesCS7D03G0033400	1.05261	2.13107	Up	Up
39527	TraesCS7D03G0033900	0.82649	0.72126	Down	Down
39528	TraesCS7D03G0035200	0.82412	1.91377	No	No
39529	TraesCS7D03G0035800	1.04177	0.82476	No	No
39531	TraesCS7D03G0036200	0.84508	0.97407	Down	Down
39532	TraesCS7D03G0036300	0.71069	1.54382	No	No
39533	TraesCS7D03G0036400	1.02315	0.88301	No	No
39534	TraesCS7D03G0036500	0.99455	0.41923	Down	Down
39535	TraesCS7D03G0036600	0.82842	0.26339	Down	Down
39536	TraesCS7D03G0036700	0.75974	0.95812	Down	Down
39538	TraesCS7D03G0041300	0.96175	0.76619	Down	Down
39540	TraesCS7D03G0053900	1.01243	0.75702	No	No
39541	TraesCS7D03G0055600	1.45211	0.65749	No	No
39542	TraesCS7D03G0055800	0.75233	1.0564	No	No
39543	TraesCS7D03G0057000	0.91065	1.03595	No	No

39544	TraesCS7D03G0057100	0.87964	1.52684	No	No
39545	TraesCS7D03G0059700	0.94962	0.74501	Down	Down
39546	TraesCS7D03G0060500	1.05127	0.89874	No	No
39547	TraesCS7D03G0060600	0.68075	5.20989	Down	Up
39548	TraesCS7D03G0061100	0.69407	1.59656	No	No
39549	TraesCS7D03G0062100	1.40705	0.4642	Up	Down
39550	TraesCS7D03G0063400	0.78004	2.10489	Down	Up
39551	TraesCS7D03G0065400	1.02365	1.35703	UP	UP
39552	TraesCS7D03G0066400	0.75744	4.41896	Down	Up
39553	TraesCS7D03G0067400	0.81919	1.6154	No	No
39554	TraesCS7D03G0068000	0.85438	2.10085	Down	Up
39555	TraesCS7D03G0068100	1.12302	1.5462	UP	UP
39556	TraesCS7D03G0068400	1.15287	0.9356	No	No
39557	TraesCS7D03G0069600	1.19703	1.80035	UP	UP
39558	TraesCS7D03G0069800	2.25364	0.84108	Up	Down
39559	TraesCS7D03G0070100	1.0702	1.07454	UP	UP
39561	TraesCS7D03G0072900	0.65598	1.34019	No	No
39562	TraesCS7D03G0073700	0.98175	1.93768	No	No
39563	TraesCS7D03G0074600	1.21969	1.05969	UP	UP
39565	TraesCS7D03G0079300	1.02455	0.54698	No	No
39566	TraesCS7D03G0081300	0.95107	0.93191	Down	Down
39567	TraesCS7D03G0081400	0.71846	1.25279	No	No
39568	TraesCS7D03G0083900	0.50473	7.08249	Down	Up
39569	TraesCS7D03G0084600	1.05437	2.78776	Up	Up
39570	TraesCS7D03G0085300	0.95596	1.4022	No	No
39571	TraesCS7D03G0086000	1.12526	1.74753	UP	UP
39572	TraesCS7D03G0087800	0.84324	0.87961	Down	Down
39573	TraesCS7D03G0088200	1.05607	1.71475	UP	UP
39574	TraesCS7D03G0088300	0.78675	1.62479	No	No
39575	TraesCS7D03G0089800	0.84161	0.92362	Down	Down
39576	TraesCS7D03G0089900	1.01935	0.7762	No	No
39577	TraesCS7D03G0090000	1.24074	0.53554	No	No
39578	TraesCS7D03G0090900	1.23758	0.67668	No	No
39579	TraesCS7D03G0091300	1.21906	0.60419	No	No
39580	TraesCS7D03G0093000	0.72022	1.51179	No	No
39581	TraesCS7D03G0093100	1.46121	1.16545	UP	UP
39582	TraesCS7D03G0094200	0.822	1.09665	No	No
39583	TraesCS7D03G0094500	0.8311	1.09152	No	No
39585	TraesCS7D03G0095300	1.04118	1.01444	UP	UP
39586	TraesCS7D03G0095800	0.69962	1.45593	No	No
39589	TraesCS7D03G0098400	0.82933	0.6325	Down	Down
39591	TraesCS7D03G0099500	0.73548	0.85779	Down	Down
39592	TraesCS7D03G0100200	0.98328	1.29659	No	No
39593	TraesCS7D03G0100300	0.90955	0.79291	Down	Down
39594	TraesCS7D03G0100500	0.89393	1.81376	No	No
39595	TraesCS7D03G0100600	0.76673	3.89086	Down	Up
39596	TraesCS7D03G0100800	0.84951	0.22589	Down	Down
39597	TraesCS7D03G0102100	1.16746	0.69731	No	No
39598	TraesCS7D03G0102200	0.9467	1.14357	No	No
39599	TraesCS7D03G0104000	0.79329	0.94206	Down	Down
39600	TraesCS7D03G0104100	0.76809	0.43172	Down	Down
39602	TraesCS7D03G0110700	0.49524	2.92496	Down	Up

39603	TraesCS7D03G0112700	0.81744	1.6373	No	No
39605	TraesCS7D03G0112900	0.99391	2.51234	Down	Up
39606	TraesCS7D03G0113000	1.30682	2.55065	Up	Up
39607	TraesCS7D03G0113500	1.79908	0.72471	No	No
39608	TraesCS7D03G0113900	1.15729	1.13345	UP	UP
39610	TraesCS7D03G0114500	1.04126	0.59882	No	No
39611	TraesCS7D03G0114600	1.02173	0.96512	No	No
39613	TraesCS7D03G0116600	1.14453	1.1958	UP	UP
39614	TraesCS7D03G0116700	1.30779	0.81361	No	No
39615	TraesCS7D03G0116800	1.15014	1.07726	UP	UP
39616	TraesCS7D03G0122500	0.79119	2.18229	Down	Up
39617	TraesCS7D03G0122900	0.86733	1.03685	No	No
39618	TraesCS7D03G0123000	0.8299	1.51389	No	No
39619	TraesCS7D03G0124600	0.86024	8.2437	Down	Up
39620	TraesCS7D03G0124700	0.63441	1.73347	No	No
39622	TraesCS7D03G0125200	0.77663	0.95203	Down	Down
39624	TraesCS7D03G0125800	0.75049	1.28212	No	No
39625	TraesCS7D03G0125900	1.7237	3.48456	Up	Up
39626	TraesCS7D03G0127300	1.13047	1.53737	UP	UP
39627	TraesCS7D03G0129500	0.93566	1.05092	No	No
39628	TraesCS7D03G0130300	0.59256	1.81689	No	No
39629	TraesCS7D03G0131300	0.92512	0.916	Down	Down
39630	TraesCS7D03G0132900	0.92758	0.75259	Down	Down
39631	TraesCS7D03G0133000	0.98462	0.58994	Down	Down
39632	TraesCS7D03G0133500	1.03118	1.05264	UP	UP
39633	TraesCS7D03G0134500	0.69159	1.9497	No	No
39635	TraesCS7D03G0136000	0.66636	1.54869	No	No
39636	TraesCS7D03G0136600	1.15462	1.00773	UP	UP
39637	TraesCS7D03G0137100	1.90296	0.49289	Up	Down
39638	TraesCS7D03G0137600	1.00936	0.4611	Up	Down
39639	TraesCS7D03G0137700	0.75876	0.56024	Down	Down
39640	TraesCS7D03G0138800	0.96177	0.63844	Down	Down
39641	TraesCS7D03G0138900	1.17267	0.25785	Up	Down
39642	TraesCS7D03G0139200	0.95349	0.76798	Down	Down
39643	TraesCS7D03G0139900	0.83481	1.04297	No	No
39644	TraesCS7D03G0140100	1.10655	1.36738	UP	UP
39645	TraesCS7D03G0141600	0.86143	1.95009	No	No
39646	TraesCS7D03G0141900	0.9713	0.43981	Down	Down
39647	TraesCS7D03G0143500	0.76307	2.37399	Down	Up
39648	TraesCS7D03G0143800	0.94968	2.20158	Down	Up
39649	TraesCS7D03G0145900	0.92275	1.46616	No	No
39650	TraesCS7D03G0149600	0.83847	0.44884	Down	Down
39651	TraesCS7D03G0149700	0.88987	1.49319	No	No
39652	TraesCS7D03G0150700	0.58331	1.36114	No	No
39653	TraesCS7D03G0150800	0.9064	0.87522	Down	Down
39656	TraesCS7D03G0155600	1.65743	13.3962	Up	Up
39658	TraesCS7D03G0157300	0.78305	0.88084	Down	Down
39659	TraesCS7D03G0157400	0.85397	0.83118	Down	Down
39661	TraesCS7D03G0161400	0.92395	1.20409	No	No
39662	TraesCS7D03G0162300	0.88454	1.30077	No	No
39663	TraesCS7D03G0162800	0.93876	0.9657	Down	Down
39664	TraesCS7D03G0164800	0.93632	1.13749	No	No

39666	TraesCS7D03G0166600	1.16384	0.8682	No	No
39667	TraesCS7D03G0167500	1.00249	0.87559	No	No
39668	TraesCS7D03G0167900	0.91692	0.27366	Down	Down
39669	TraesCS7D03G0168000	1.03755	0.30969	Up	Down
39670	TraesCS7D03G0169400	1.3022	0.59797	No	No
39671	TraesCS7D03G0171100	0.98211	1.06673	No	No
39672	TraesCS7D03G0171200	1.00639	1.15743	UP	UP
39673	TraesCS7D03G0171300	0.70126	1.60373	No	No
39675	TraesCS7D03G0172200	1.1162	1.34821	UP	UP
39676	TraesCS7D03G0176200	1.21573	2.67516	Up	Up
39678	TraesCS7D03G0178200	0.8632	1.63448	No	No
39679	TraesCS7D03G0178300	1.06172	0.92345	No	No
39681	TraesCS7D03G0180100	2.02037	1.70158	UP	UP
39682	TraesCS7D03G0181500	1.01034	1.31895	UP	UP
39683	TraesCS7D03G0182600	2.00065	1.49088	Up	Up
39685	TraesCS7D03G0183500	0.81454	1.66115	No	No
39686	TraesCS7D03G0183600	0.86438	4.1002	Down	Up
39687	TraesCS7D03G0183700	1.11864	2.66325	Up	Up
39688	TraesCS7D03G0183800	1.3493	3.02233	Up	Up
39689	TraesCS7D03G0183900	1.11999	2.49948	Up	Up
39690	TraesCS7D03G0187100	1.19799	1.2021	UP	UP
39691	TraesCS7D03G0187200	1.11345	1.29299	UP	UP
39692	TraesCS7D03G0188900	3.70627	0.42578	Up	Down
39693	TraesCS7D03G0189100	1.4618	0.87727	No	No
39694	TraesCS7D03G0190100	1.06288	1.29125	UP	UP
39695	TraesCS7D03G0192200	1.00754	2.0529	Up	Up
39696	TraesCS7D03G0192300	0.68372	1.41614	No	No
39697	TraesCS7D03G0192300	0.97284	2.19856	Down	Up
39698	TraesCS7D03G0193100	0.96244	1.07298	No	No
39699	TraesCS7D03G0193600	1.02562	1.12387	UP	UP
39700	TraesCS7D03G0195000	2.29623	12.9555	Up	Up
39701	TraesCS7D03G0198400	0.96386	3.37081	Down	Up
39702	TraesCS7D03G0198700	0.7726	1.56836	No	No
39703	TraesCS7D03G0199600	1.0533	1.22053	UP	UP
39704	TraesCS7D03G0199700	0.90753	0.72161	Down	Down
39706	TraesCS7D03G0200100	1.93375	3.15456	Up	Up
39707	TraesCS7D03G0200600	0.88665	5.51521	Down	Up
39708	TraesCS7D03G0200700	1.40101	0.84836	No	No
39709	TraesCS7D03G0201600	0.62503	3.00699	Down	Up
39710	TraesCS7D03G0204200	0.74003	1.34381	No	No
39711	TraesCS7D03G0204300	1.0567	0.74959	No	No
39712	TraesCS7D03G0207300	0.58231	0.31475	Down	Down
39713	TraesCS7D03G0208600	0.78393	2.21638	Down	Up
39714	TraesCS7D03G0208800	0.93185	0.65067	Down	Down
39716	TraesCS7D03G0210000	0.95974	2.93881	Down	Up
39717	TraesCS7D03G0211000	1.07015	0.55319	No	No
39718	TraesCS7D03G0211100	0.87089	0.59664	Down	Down
39719	TraesCS7D03G0211400	0.43034	2.42029	Down	Up
39720	TraesCS7D03G0211500	0.77734	1.35404	No	No
39721	TraesCS7D03G0214800	0.95577	0.7388	Down	Down
39723	TraesCS7D03G0218600	1.21894	1.42423	UP	UP
39724	TraesCS7D03G0218700	0.74635	1.24425	No	No

39725	TraesCS7D03G0219500	1.06791	1.11339	UP	UP
39726	TraesCS7D03G0219600	1.50796	0.79494	No	No
39727	TraesCS7D03G0219800	1.49179	0.48378	Up	Down
39728	TraesCS7D03G0221000	0.82171	1.40903	No	No
39729	TraesCS7D03G0221200	0.80962	1.47351	No	No
39730	TraesCS7D03G0221700	0.83659	1.48668	No	No
39731	TraesCS7D03G0222000	0.74298	1.43866	No	No
39732	TraesCS7D03G0224100	0.75027	5.14975	Down	Up
39733	TraesCS7D03G0224200	0.88692	2.19135	Down	Up
39734	TraesCS7D03G0224300	1.1137	0.91197	No	No
39735	TraesCS7D03G0224400	0.91012	1.09972	No	No
39736	TraesCS7D03G0225100	0.37514	2.00932	Down	Up
39737	TraesCS7D03G0225100	0.80371	4.32711	Down	Up
39738	TraesCS7D03G0225200	1.13828	2.90749	Up	Up
39741	TraesCS7D03G0229000	0.9838	1.17001	No	No
39743	TraesCS7D03G0230800	0.52477	2.66953	Down	Up
39744	TraesCS7D03G0231100	0.88753	2.06315	Down	Up
39745	TraesCS7D03G0231200	0.83187	1.94811	No	No
39746	TraesCS7D03G0231600	1.17247	1.06601	UP	UP
39747	TraesCS7D03G0231700	0.6475	0.64981	Down	Down
39748	TraesCS7D03G0237000	1.59197	1.11361	UP	UP
39749	TraesCS7D03G0237100	0.98676	1.14707	No	No
39750	TraesCS7D03G0237300	0.98323	0.38474	Down	Down
39751	TraesCS7D03G0237600	0.69934	1.37048	No	No
39752	TraesCS7D03G0237700	0.67489	1.24389	No	No
39753	TraesCS7D03G0238300	1.44466	0.64158	No	No
39754	TraesCS7D03G0239500	1.24504	0.77809	No	No
39755	TraesCS7D03G0240000	0.72573	1.03081	No	No
39756	TraesCS7D03G0240200	1.16688	1.06116	UP	UP
39757	TraesCS7D03G0240400	1.29488	0.8163	No	No
39758	TraesCS7D03G0240500	1.56096	0.45141	Up	Down
39761	TraesCS7D03G0241400	1.34597	0.50646	No	No
39762	TraesCS7D03G0241500	1.42022	0.89877	No	No
39763	TraesCS7D03G0241600	0.92668	0.75129	Down	Down
39764	TraesCS7D03G0241800	1.36046	1.47321	UP	UP
39765	TraesCS7D03G0243300	1.1602	1.19172	UP	UP
39766	TraesCS7D03G0243400	0.92464	0.96932	Down	Down
39767	TraesCS7D03G0243400	1.32008	2.02504	Up	Up
39768	TraesCS7D03G0243600	0.76041	1.68076	No	No
39769	TraesCS7D03G0243800	1.06604	8.15809	Up	Up
39770	TraesCS7D03G0244200	1.00558	0.37305	Up	Down
39772	TraesCS7D03G0245800	1.07955	0.60265	No	No
39774	TraesCS7D03G0248500	1.06032	1.04462	UP	UP
39775	TraesCS7D03G0248600	0.98652	1.07971	No	No
39776	TraesCS7D03G0248700	1.02886	8.55547	Up	Up
39777	TraesCS7D03G0248800	1.44086	3.54469	Up	Up
39778	TraesCS7D03G0249000	0.52726	1.61073	No	No
39779	TraesCS7D03G0249200	1.77495	0.93271	No	No
39780	TraesCS7D03G0249900	0.52339	1.20662	No	No
39781	TraesCS7D03G0250200	1.22676	2.02478	Up	Up
39782	TraesCS7D03G0250300	0.78444	0.73052	Down	Down
39783	TraesCS7D03G0250800	1.29392	0.94098	No	No

39784	TraesCS7D03G0250900	0.90247	2.27486	Down	Up
39785	TraesCS7D03G0253600	0.84329	1.36405	No	No
39786	TraesCS7D03G0255000	0.77161	0.77187	Down	Down
39789	TraesCS7D03G0255700	4.35334	0.18673	Up	Down
39791	TraesCS7D03G0256500	1.65953	1.72667	UP	UP
39792	TraesCS7D03G0257200	1.6267	1.67198	UP	UP
39795	TraesCS7D03G0260400	1.36062	1.13456	UP	UP
39796	TraesCS7D03G0264000	1.07961	0.45496	Up	Down
39797	TraesCS7D03G0264600	0.64775	2.37336	Down	Up
39798	TraesCS7D03G0267400	0.66469	1.15262	No	No
39800	TraesCS7D03G0267800	0.3817	0.95738	Down	Down
39801	TraesCS7D03G0268200	1.12931	0.95251	No	No
39802	TraesCS7D03G0268300	1.22509	0.8368	No	No
39806	TraesCS7D03G0269500	1.27174	1.07518	UP	UP
39807	TraesCS7D03G0269700	3.38629	0.94224	Up	Down
39808	TraesCS7D03G0271300	0.99621	1.39029	No	No
39809	TraesCS7D03G0271700	1.2407	1.33287	UP	UP
39810	TraesCS7D03G0272900	1.04709	0.66267	No	No
39811	TraesCS7D03G0280400	0.76792	0.99099	Down	Down
39812	TraesCS7D03G0281000	0.96815	1.12996	No	No
39813	TraesCS7D03G0281300	1.03337	1.06635	UP	UP
39814	TraesCS7D03G0281400	2.25443	1.15444	Up	Up
39816	TraesCS7D03G0282900	0.67626	0.83007	Down	Down
39817	TraesCS7D03G0283100	0.8386	1.30466	No	No
39818	TraesCS7D03G0284100	0.56127	4.943	Down	Up
39819	TraesCS7D03G0284500	1.3768	0.3427	Up	Down
39820	TraesCS7D03G0284500	2.09151	1.21344	Up	Up
39823	TraesCS7D03G0286700	0.80752	0.38091	Down	Down
39824	TraesCS7D03G0286800	0.46378	0.71213	Down	Down
39825	TraesCS7D03G0288600	1.10759	1.52714	UP	UP
39826	TraesCS7D03G0289300	0.93538	0.87563	Down	Down
39827	TraesCS7D03G0289800	0.98128	0.82593	Down	Down
39828	TraesCS7D03G0290300	0.78898	0.87665	Down	Down
39829	TraesCS7D03G0291500	0.90739	0.77529	Down	Down
39830	TraesCS7D03G0291600	0.78995	5.53125	Down	Up
39831	TraesCS7D03G0291700	0.74211	1.12282	No	No
39832	TraesCS7D03G0291800	1.69245	2.28792	Up	Up
39833	TraesCS7D03G0292900	1.30721	1.0623	UP	UP
39834	TraesCS7D03G0293600	0.98116	1.27445	No	No
39835	TraesCS7D03G0293700	1.02534	1.30071	UP	UP
39836	TraesCS7D03G0294800	0.95003	1.40329	No	No
39837	TraesCS7D03G0294900	1.21435	1.29222	UP	UP
39838	TraesCS7D03G0295100	1.08797	1.38298	UP	UP
39839	TraesCS7D03G0296100	0.79729	0.93505	Down	Down
39840	TraesCS7D03G0296500	0.40704	1.81268	Down	Up
39841	TraesCS7D03G0297200	1.13175	0.95636	No	No
39842	TraesCS7D03G0297400	0.98677	1.00297	No	No
39843	TraesCS7D03G0298500	0.84091	1.07542	No	No
39844	TraesCS7D03G0300500	1.75151	1.11196	UP	UP
39845	TraesCS7D03G0300500	2.74972	2.43374	UP	UP
39847	TraesCS7D03G0304200	1.20814	0.3533	Up	Down
39848	TraesCS7D03G0304200	1.24264	0.44557	Up	Down

39849	TraesCS7D03G0305400	1.17373	1.29253	UP	UP
39850	TraesCS7D03G0306500	0.59712	1.61108	No	No
39851	TraesCS7D03G0307400	1.96096	0.75952	No	No
39854	TraesCS7D03G0313700	1.17093	0.70519	No	No
39855	TraesCS7D03G0314300	1.07	1.16615	UP	UP
39856	TraesCS7D03G0314500	0.65735	1.32306	No	No
39857	TraesCS7D03G0314600	1.00568	0.78805	No	No
39858	TraesCS7D03G0316600	1.07727	1.74474	UP	UP
39859	TraesCS7D03G0318500	1.82066	1.30531	UP	UP
39860	TraesCS7D03G0319800	0.93533	0.69668	Down	Down
39861	TraesCS7D03G0320100	1.39343	1.04235	UP	UP
39862	TraesCS7D03G0320300	0.96612	0.85687	Down	Down
39865	TraesCS7D03G0321800	1.50523	0.97897	No	No
39866	TraesCS7D03G0322000	1.44634	0.94506	No	No
39868	TraesCS7D03G0322900	1.09386	0.86231	No	No
39869	TraesCS7D03G0324600	0.60339	0.8582	Down	Down
39872	TraesCS7D03G0325800	0.74865	21.9855	Down	Up
39873	TraesCS7D03G0326000	1.1156	0.83456	No	No
39874	TraesCS7D03G0326500	0.89822	0.60074	Down	Down
39875	TraesCS7D03G0326600	1.13693	2.54266	Up	Up
39876	TraesCS7D03G0327200	1.42427	1.06886	UP	UP
39877	TraesCS7D03G0327800	1.21562	0.59528	No	No
39878	TraesCS7D03G0328600	1.2339	0.0933	Up	Down
39879	TraesCS7D03G0328700	0.75339	0.4282	Down	Down
39880	TraesCS7D03G0328900	1.1938	1.32242	UP	UP
39881	TraesCS7D03G0329000	1.00842	0.30465	Up	Down
39882	TraesCS7D03G0329600	1.14726	1.3629	UP	UP
39884	TraesCS7D03G0331100	1.07987	1.59322	UP	UP
39885	TraesCS7D03G0331200	0.96465	2.17337	Down	Up
39886	TraesCS7D03G0331900	0.92002	0.39706	Down	Down
39887	TraesCS7D03G0333100	1.22588	1.50106	UP	UP
39888	TraesCS7D03G0335100	0.91687	0.93188	Down	Down
39889	TraesCS7D03G0335500	0.76786	2.1467	Down	Up
39890	TraesCS7D03G0335800	1.18232	0.90751	No	No
39891	TraesCS7D03G0336000	1.05218	0.89957	No	No
39892	TraesCS7D03G0337200	0.86406	1.35798	No	No
39893	TraesCS7D03G0337500	0.89013	5.0367	Down	Up
39894	TraesCS7D03G0338400	0.71905	1.98287	No	No
39895	TraesCS7D03G0338700	1.06229	11.2586	Up	Up
39896	TraesCS7D03G0338800	0.6747	1.57327	No	No
39897	TraesCS7D03G0341000	1.03307	0.27058	Up	Down
39898	TraesCS7D03G0342000	0.8064	0.70132	Down	Down
39899	TraesCS7D03G0342300	0.89857	0.87284	Down	Down
39900	TraesCS7D03G0343000	0.83622	2.0498	Down	Up
39901	TraesCS7D03G0343100	1.24859	2.65396	Up	Up
39902	TraesCS7D03G0344900	1.67482	1.00694	UP	UP
39903	TraesCS7D03G0345200	1.1156	0.64517	No	No
39905	TraesCS7D03G0346900	3.27893	2.22346	Up	Up
39906	TraesCS7D03G0347200	1.22865	1.30367	UP	UP
39907	TraesCS7D03G0347400	0.91496	2.26415	Down	Up
39909	TraesCS7D03G0347600	1.60879	1.1353	UP	UP
39910	TraesCS7D03G0347800	1.13618	0.54908	No	No

39911	TraesCS7D03G0349300	0.69368	1.52697	No	No
39912	TraesCS7D03G0350500	0.79434	1.31112	No	No
39914	TraesCS7D03G0350800	0.81278	17.8579	Down	Up
39915	TraesCS7D03G0351100	0.73334	1.86855	No	No
39917	TraesCS7D03G0351600	0.87536	1.76432	No	No
39918	TraesCS7D03G0353000	1.01524	4.19949	Up	Up
39919	TraesCS7D03G0354700	0.68986	1.21169	No	No
39924	TraesCS7D03G0358200	1.03861	0.78111	No	No
39925	TraesCS7D03G0358300	0.55094	0.64448	Down	Down
39926	TraesCS7D03G0360400	0.55877	2.34726	Down	Up
39928	TraesCS7D03G0361000	0.67333	2.43211	Down	Up
39929	TraesCS7D03G0361100	0.75456	5.01714	Down	Up
39930	TraesCS7D03G0361500	1.1754	1.11831	UP	UP
39931	TraesCS7D03G0361800	0.70386	0.74334	Down	Down
39932	TraesCS7D03G0361900	2.11106	0.79124	Up	Down
39933	TraesCS7D03G0361900	0.65408	2.4054	Down	Up
39934	TraesCS7D03G0362100	0.86985	0.51602	Down	Down
39936	TraesCS7D03G0362800	0.1709	18.6525	Down	Up
39938	TraesCS7D03G0366000	0.71807	1.01108	No	No
39939	TraesCS7D03G0366400	0.73038	1.50061	No	No
39940	TraesCS7D03G0368700	1.34608	0.87207	No	No
39941	TraesCS7D03G0368800	0.96964	1.47018	No	No
39942	TraesCS7D03G0368900	1.1332	1.09142	UP	UP
39943	TraesCS7D03G0369100	0.84697	1.28049	No	No
39944	TraesCS7D03G0369300	1.31995	1.45029	UP	UP
39945	TraesCS7D03G0369900	0.6702	1.23464	No	No
39946	TraesCS7D03G0372300	0.66164	1.35022	No	No
39948	TraesCS7D03G0373600	0.60377	0.98799	Down	Down
39949	TraesCS7D03G0373900	1.14282	0.65447	No	No
39950	TraesCS7D03G0374600	0.80486	7.56029	Down	Up
39951	TraesCS7D03G0376400	0.82543	0.67578	Down	Down
39953	TraesCS7D03G0378600	1.20261	3.13526	Up	Up
39954	TraesCS7D03G0378800	0.63803	0.80895	Down	Down
39955	TraesCS7D03G0379600	1.05115	2.18587	Up	Up
39956	TraesCS7D03G0383400	0.88997	1.02647	No	No
39957	TraesCS7D03G0383700	2.13174	0.63603	Up	Down
39960	TraesCS7D03G0385400	1.2613	1.5711	UP	UP
39961	TraesCS7D03G0385600	1.19806	0.77317	No	No
39962	TraesCS7D03G0386300	0.67127	2.07964	Down	Up
39963	TraesCS7D03G0386400	0.94583	1.07257	No	No
39964	TraesCS7D03G0389800	1.07669	1.9595	UP	UP
39965	TraesCS7D03G0389900	0.97642	0.68525	Down	Down
39966	TraesCS7D03G0390000	1.02092	1.76469	UP	UP
39967	TraesCS7D03G0390900	1.03022	0.66099	No	No
39968	TraesCS7D03G0391000	1.92385	0.24757	Up	Down
39969	TraesCS7D03G0391100	0.6331	1.81026	No	No
39970	TraesCS7D03G0391300	1.14941	1.07574	UP	UP
39971	TraesCS7D03G0392300	0.56556	1.96002	No	No
39972	TraesCS7D03G0392400	0.93044	0.5009	Down	Down
39973	TraesCS7D03G0393100	0.8772	0.89528	Down	Down
39975	TraesCS7D03G0393800	0.9878	3.95016	Down	Up
39976	TraesCS7D03G0394100	1.03839	1.26067	UP	UP

39977	TraesCS7D03G0394500	0.79661	1.13034	No	No
39978	TraesCS7D03G0394700	1.33045	2.02962	Up	Up
39979	TraesCS7D03G0396800	5.26605	1.91657	Up	Up
39980	TraesCS7D03G0397400	1.05173	0.43833	Up	Down
39982	TraesCS7D03G0398000	0.95457	1.15773	No	No
39983	TraesCS7D03G0398300	1.06892	0.64073	No	No
39984	TraesCS7D03G0399000	0.9539	2.42484	Down	Up
39985	TraesCS7D03G0400100	0.87378	1.60064	No	No
39987	TraesCS7D03G0400300	0.84852	1.75545	No	No
39988	TraesCS7D03G0404900	0.71956	0.95986	Down	Down
39989	TraesCS7D03G0405000	1.19608	0.75926	No	No
39990	TraesCS7D03G0405100	0.49598	0.56945	Down	Down
39991	TraesCS7D03G0408600	1.21349	0.55172	No	No
39992	TraesCS7D03G0408700	0.61521	3.27321	Down	Up
39993	TraesCS7D03G0409500	0.8706	1.38706	No	No
39995	TraesCS7D03G0410800	0.6945	7.28577	Down	Up
39996	TraesCS7D03G0410900	0.80124	1.5294	No	No
39997	TraesCS7D03G0411300	1.08553	2.23044	Up	Up
39998	TraesCS7D03G0411600	0.68485	11.4997	Down	Up
40000	TraesCS7D03G0411800	0.9789	1.19294	No	No
40001	TraesCS7D03G0412400	0.74874	0.3321	Down	Down
40002	TraesCS7D03G0412800	1.07303	1.81548	UP	UP
40003	TraesCS7D03G0413000	1.00059	1.96324	UP	UP
40004	TraesCS7D03G0413200	0.91826	2.47666	Down	Up
40005	TraesCS7D03G0414100	1.31838	0.70402	No	No
40007	TraesCS7D03G0414700	0.95915	0.16514	Down	Down
40008	TraesCS7D03G0415700	0.92703	0.23545	Down	Down
40010	TraesCS7D03G0418200	1.17345	0.82736	No	No
40011	TraesCS7D03G0419900	1.37658	1.14596	UP	UP
40012	TraesCS7D03G0420700	1.11058	1.44189	UP	UP
40013	TraesCS7D03G0421000	0.91673	3.0834	Down	Up
40014	TraesCS7D03G0421400	1.02397	1.08733	UP	UP
40015	TraesCS7D03G0421700	0.86106	0.87744	Down	Down
40016	TraesCS7D03G0422100	1.13499	0.64168	No	No
40017	TraesCS7D03G0423100	0.60699	0.56994	Down	Down
40018	TraesCS7D03G0423600	0.66038	1.05071	No	No
40019	TraesCS7D03G0425700	0.66691	6.49367	Down	Up
40021	TraesCS7D03G0427600	3.33601	0.38914	Up	Down
40022	TraesCS7D03G0427700	0.58064	1.54741	No	No
40023	TraesCS7D03G0428200	1.19286	1.20115	UP	UP
40024	TraesCS7D03G0428300	0.83825	2.28948	Down	Up
40025	TraesCS7D03G0428400	1.0286	0.84218	No	No
40026	TraesCS7D03G0428600	0.83901	0.78816	Down	Down
40027	TraesCS7D03G0428600	1.06556	1.69212	UP	UP
40028	TraesCS7D03G0428700	1.0723	1.11295	UP	UP
40029	TraesCS7D03G0429000	0.83511	0.35312	Down	Down
40030	TraesCS7D03G0429100	1.31966	0.82572	No	No
40031	TraesCS7D03G0429600	1.18553	0.36172	Up	Down
40032	TraesCS7D03G0430100	0.7211	0.83568	Down	Down
40033	TraesCS7D03G0431500	0.88182	1.05833	No	No
40034	TraesCS7D03G0432700	1.06696	1.34255	UP	UP
40035	TraesCS7D03G0433700	0.9694	1.43944	No	No

40036	TraesCS7D03G0433900	1.60134	0.25036	Up	Down
40037	TraesCS7D03G0434100	0.82116	1.40321	No	No
40038	TraesCS7D03G0434200	1.20526	0.90336	No	No
40039	TraesCS7D03G0434700	0.71401	1.6441	No	No
40040	TraesCS7D03G0435300	1.12302	0.61076	No	No
40041	TraesCS7D03G0438000	1.04875	0.38448	Up	Down
40042	TraesCS7D03G0438600	1.21108	1.29283	UP	UP
40043	TraesCS7D03G0439000	0.60816	2.91754	Down	Up
40044	TraesCS7D03G0439100	1.25427	1.14442	UP	UP
40045	TraesCS7D03G0439300	2.06658	3.77428	Up	Up
40047	TraesCS7D03G0439500	0.81071	1.16627	No	No
40048	TraesCS7D03G0439600	0.79793	3.63854	Down	Up
40050	TraesCS7D03G0440300	1.26865	1.3753	UP	UP
40051	TraesCS7D03G0440400	0.95353	2.22114	Down	Up
40052	TraesCS7D03G0440500	0.46993	14.0261	Down	Up
40053	TraesCS7D03G0440600	1.15991	0.83749	No	No
40054	TraesCS7D03G0441200	1.36229	1.02584	UP	UP
40055	TraesCS7D03G0441300	1.06131	0.82938	No	No
40056	TraesCS7D03G0443300	1.07694	1.12347	UP	UP
40057	TraesCS7D03G0443700	0.59158	0.99089	Down	Down
40059	TraesCS7D03G0445300	1.0551	0.7676	No	No
40060	TraesCS7D03G0445400	0.93359	0.86221	Down	Down
40061	TraesCS7D03G0445800	0.99702	0.68314	Down	Down
40063	TraesCS7D03G0447200	0.90306	0.88991	Down	Down
40065	TraesCS7D03G0448600	0.6276	1.60737	No	No
40066	TraesCS7D03G0448700	0.84093	1.24049	No	No
40067	TraesCS7D03G0450000	0.6456	5.44455	Down	Up
40068	TraesCS7D03G0450100	0.92628	3.31212	Down	Up
40069	TraesCS7D03G0450300	1.13266	1.37894	UP	UP
40070	TraesCS7D03G0450700	0.74502	4.74581	Down	Up
40071	TraesCS7D03G0450800	0.83124	1.2967	No	No
40073	TraesCS7D03G0453600	0.99803	0.3059	Down	Down
40074	TraesCS7D03G0454900	0.62508	3.61696	Down	Up
40075	TraesCS7D03G0455000	1.44034	1.51361	UP	UP
40076	TraesCS7D03G0459900	1.72865	0.09331	Up	Down
40077	TraesCS7D03G0460200	0.85752	2.81225	Down	Up
40078	TraesCS7D03G0460500	0.8072	1.05122	No	No
40079	TraesCS7D03G0463100	1.00058	2.68501	Up	Up
40080	TraesCS7D03G0463200	0.5483	6.79064	Down	Up
40081	TraesCS7D03G0463700	0.96887	1.5576	No	No
40082	TraesCS7D03G0463800	0.64178	0.78355	Down	Down
40083	TraesCS7D03G0464400	1.00525	1.10046	UP	UP
40084	TraesCS7D03G0464500	1.11746	0.8646	No	No
40085	TraesCS7D03G0464700	0.56227	1.98333	No	No
40086	TraesCS7D03G0464900	0.80671	0.88584	Down	Down
40087	TraesCS7D03G0466700	1.13088	1.14895	UP	UP
40088	TraesCS7D03G0467000	1.06377	0.78005	No	No
40089	TraesCS7D03G0467300	2.75917	0.767	Up	Down
40090	TraesCS7D03G0467500	0.74884	1.17787	No	No
40091	TraesCS7D03G0467700	1.08196	0.94041	No	No
40092	TraesCS7D03G0467800	1.04281	0.12702	Up	Down
40093	TraesCS7D03G0467800	0.82422	0.60576	Down	Down

40094	TraesCS7D03G0467900	0.93576	0.41982	Down	Down
40095	TraesCS7D03G0469400	0.54828	5.59683	Down	Up
40096	TraesCS7D03G0469500	0.96662	0.97489	Down	Down
40097	TraesCS7D03G0470800	0.52062	4.35321	Down	Up
40098	TraesCS7D03G0470900	2.19745	0.39586	Up	Down
40099	TraesCS7D03G0471300	0.88331	0.32827	Down	Down
40100	TraesCS7D03G0473300	0.92312	1.11166	No	No
40101	TraesCS7D03G0474400	1.00055	0.78772	No	No
40102	TraesCS7D03G0474600	1.0639	1.06548	UP	UP
40103	TraesCS7D03G0474800	0.78473	1.36708	No	No
40104	TraesCS7D03G0474900	1.2435	2.50723	Up	Up
40105	TraesCS7D03G0475900	0.79809	0.79446	Down	Down
40106	TraesCS7D03G0476100	0.70941	3.65406	Down	Up
40107	TraesCS7D03G0476200	0.78815	1.13087	No	No
40108	TraesCS7D03G0476800	0.99072	0.48754	Down	Down
40109	TraesCS7D03G0477000	0.93104	1.12326	No	No
40110	TraesCS7D03G0477800	0.90247	0.56161	Down	Down
40111	TraesCS7D03G0479000	0.63197	5.07449	Down	Up
40113	TraesCS7D03G0481400	1.10384	0.86683	No	No
40116	TraesCS7D03G0483800	0.96873	0.86728	Down	Down
40119	TraesCS7D03G0485000	0.45167	4.4552	Down	Up
40120	TraesCS7D03G0486900	0.73702	1.67203	No	No
40121	TraesCS7D03G0490100	1.15008	0.51635	No	No
40122	TraesCS7D03G0490400	0.95335	2.06722	Down	Up
40123	TraesCS7D03G0490500	0.94352	0.55005	Down	Down
40124	TraesCS7D03G0490500	1.37718	0.42565	Up	Down
40125	TraesCS7D03G0491600	0.75116	1.08489	No	No
40126	TraesCS7D03G0491900	0.48652	1.68452	Down	Up
40127	TraesCS7D03G0492300	1.34257	1.08598	UP	UP
40128	TraesCS7D03G0492300	1.18836	0.81456	No	No
40129	TraesCS7D03G0492400	0.89905	1.5659	No	No
40133	TraesCS7D03G0493800	1.10199	1.37242	UP	UP
40134	TraesCS7D03G0494000	0.75678	2.66109	Down	Up
40135	TraesCS7D03G0494400	1.12575	0.55208	No	No
40136	TraesCS7D03G0494500	0.95952	0.78819	Down	Down
40139	TraesCS7D03G0495800	1.09735	1.69595	UP	UP
40140	TraesCS7D03G0495900	0.80309	1.47296	No	No
40141	TraesCS7D03G0496200	0.59079	1.45074	No	No
40142	TraesCS7D03G0496800	1.41816	1.23358	UP	UP
40143	TraesCS7D03G0496900	1.50521	1.35296	UP	UP
40145	TraesCS7D03G0498500	1.14857	1.07023	UP	UP
40147	TraesCS7D03G0498900	1.10803	1.44106	UP	UP
40148	TraesCS7D03G0500900	0.98438	0.49006	Down	Down
40149	TraesCS7D03G0501000	0.70148	2.25349	Down	Up
40150	TraesCS7D03G0501300	1.28451	0.93411	No	No
40151	TraesCS7D03G0501400	1.01703	1.24702	UP	UP
40152	TraesCS7D03G0501500	0.9461	0.52738	Down	Down
40153	TraesCS7D03G0501700	1.27366	0.64125	No	No
40154	TraesCS7D03G0501800	0.68317	1.27578	No	No
40155	TraesCS7D03G0502100	0.76658	2.66145	Down	Up
40157	TraesCS7D03G0503700	1.17733	1.16651	UP	UP
40158	TraesCS7D03G0504000	1.20198	0.10213	Up	Down

40159	TraesCS7D03G0504100	1.16524	0.53921	No	No
40160	TraesCS7D03G0505100	0.62568	1.57985	No	No
40161	TraesCS7D03G0505200	0.78905	1.03734	No	No
40162	TraesCS7D03G0505400	2.56905	0.40764	Up	Down
40163	TraesCS7D03G0505500	0.9089	0.12449	Down	Down
40164	TraesCS7D03G0505600	0.65437	0.60941	Down	Down
40165	TraesCS7D03G0507200	0.82761	0.82719	Down	Down
40168	TraesCS7D03G0508800	0.88795	0.64666	Down	Down
40169	TraesCS7D03G0508900	0.90446	1.60271	No	No
40170	TraesCS7D03G0509000	1.28559	1.45625	UP	UP
40171	TraesCS7D03G0509700	0.78955	1.52769	No	No
40173	TraesCS7D03G0510700	0.71661	0.71172	Down	Down
40174	TraesCS7D03G0511400	1.10247	1.249	UP	UP
40175	TraesCS7D03G0512300	1.22402	0.949	No	No
40176	TraesCS7D03G0513200	1.83209	2.12454	UP	UP
40177	TraesCS7D03G0513200	1.96014	3.2369	Up	Up
40178	TraesCS7D03G0513900	0.89852	0.82479	Down	Down
40179	TraesCS7D03G0514200	1.09126	0.27576	Up	Down
40180	TraesCS7D03G0514300	0.84029	0.48231	Down	Down
40182	TraesCS7D03G0515400	0.82285	1.59495	No	No
40183	TraesCS7D03G0515700	0.9821	0.70699	Down	Down
40184	TraesCS7D03G0516100	0.46309	1.10642	Down	Up
40185	TraesCS7D03G0516300	0.8232	1.2495	No	No
40186	TraesCS7D03G0516400	0.84915	0.66785	Down	Down
40187	TraesCS7D03G0516600	1.19594	0.70017	No	No
40189	TraesCS7D03G0516800	0.98925	0.84895	Down	Down
40190	TraesCS7D03G0516800	1.04802	0.82515	No	No
40192	TraesCS7D03G0517400	1.01686	1.42186	UP	UP
40193	TraesCS7D03G0517400	0.77627	0.91871	Down	Down
40194	TraesCS7D03G0517500	0.84557	0.85706	Down	Down
40195	TraesCS7D03G0517700	0.60715	1.1842	No	No
40196	TraesCS7D03G0519900	1.3982	1.1033	UP	UP
40197	TraesCS7D03G0520300	1.31066	0.58437	No	No
40198	TraesCS7D03G0520400	1.06511	1.73794	UP	UP
40199	TraesCS7D03G0521000	1.08683	0.97783	No	No
40200	TraesCS7D03G0522600	0.86573	1.62596	No	No
40201	TraesCS7D03G0522700	0.76268	0.95963	Down	Down
40202	TraesCS7D03G0523600	0.78742	1.23596	No	No
40203	TraesCS7D03G0523800	1.15439	0.57096	No	No
40204	TraesCS7D03G0523900	1.43632	0.98486	No	No
40205	TraesCS7D03G0524400	1.34704	1.70855	UP	UP
40206	TraesCS7D03G0524700	1.24662	4.05744	Up	Up
40207	TraesCS7D03G0524700	1.04441	2.34014	Up	Up
40208	TraesCS7D03G0524800	1.03863	1.89005	UP	UP
40209	TraesCS7D03G0525000	1.18387	2.47847	Up	Up
40210	TraesCS7D03G0525600	0.98876	0.96982	Down	Down
40211	TraesCS7D03G0525900	0.60693	7.39733	Down	Up
40212	TraesCS7D03G0526400	1.54715	1.05239	UP	UP
40213	TraesCS7D03G0527800	0.67902	0.42588	Down	Down
40215	TraesCS7D03G0529000	1.00563	0.59758	No	No
40216	TraesCS7D03G0529800	0.99729	1.13129	No	No
40217	TraesCS7D03G0530900	1.32694	0.98694	No	No

40218	TraesCS7D03G0534100	1.18936	3.7113	Up	Up
40219	TraesCS7D03G0535200	0.2371	5.66903	Down	Up
40220	TraesCS7D03G0535300	1.35715	3.30808	Up	Up
40221	TraesCS7D03G0536000	0.52298	1.67355	No	No
40222	TraesCS7D03G0536300	1.24806	0.80648	No	No
40223	TraesCS7D03G0536400	0.89281	1.49629	No	No
40224	TraesCS7D03G0536500	1.15343	0.6498	No	No
40225	TraesCS7D03G0536600	0.87498	1.84824	No	No
40226	TraesCS7D03G0536900	1.43296	0.67819	No	No
40227	TraesCS7D03G0537100	1.15948	0.93169	No	No
40228	TraesCS7D03G0537200	1.19858	2.31745	Up	Up
40230	TraesCS7D03G0537600	1.15264	1.24691	UP	UP
40231	TraesCS7D03G0537900	0.61388	2.36249	Down	Up
40232	TraesCS7D03G0538000	1.50972	0.99633	No	No
40233	TraesCS7D03G0538200	1.21037	1.06634	UP	UP
40234	TraesCS7D03G0538300	1.01763	2.4472	Up	Up
40237	TraesCS7D03G0540500	1.47572	0.76788	No	No
40238	TraesCS7D03G0541800	0.56844	3.44118	Down	Up
40240	TraesCS7D03G0543100	0.86181	1.62896	No	No
40241	TraesCS7D03G0543900	0.93367	0.15359	Down	Down
40242	TraesCS7D03G0545000	0.76446	1.62417	No	No
40243	TraesCS7D03G0545400	1.212	1.98542	UP	UP
40244	TraesCS7D03G0545900	1.05335	1.0705	UP	UP
40245	TraesCS7D03G0546100	0.74437	0.34487	Down	Down
40246	TraesCS7D03G0546500	1.13729	0.53331	No	No
40247	TraesCS7D03G0546600	0.89913	1.00771	No	No
40248	TraesCS7D03G0546800	1.01533	1.45318	UP	UP
40249	TraesCS7D03G0547200	0.91406	1.62514	No	No
40250	TraesCS7D03G0547300	1.05303	1.19072	UP	UP
40251	TraesCS7D03G0547600	1.24039	0.69202	No	No
40252	TraesCS7D03G0548000	0.2786	2.75161	Down	Up
40253	TraesCS7D03G0549600	0.76955	0.65027	Down	Down
40254	TraesCS7D03G0550100	0.95021	1.02249	No	No
40256	TraesCS7D03G0550500	0.94731	1.3541	No	No
40257	TraesCS7D03G0551100	0.81549	1.23921	No	No
40258	TraesCS7D03G0551200	1.45053	1.62073	UP	UP
40259	TraesCS7D03G0551200	1.38326	1.13067	UP	UP
40260	TraesCS7D03G0551200	0.92115	0.89185	Down	Down
40261	TraesCS7D03G0551200	1.56218	0.44304	Up	Down
40262	TraesCS7D03G0551500	0.83721	0.396	Down	Down
40263	TraesCS7D03G0552100	0.97462	0.99332	Down	Down
40264	TraesCS7D03G0553200	0.85082	1.41254	No	No
40265	TraesCS7D03G0553300	1.54134	0.78908	No	No
40266	TraesCS7D03G0553600	0.6962	0.30618	Down	Down
40267	TraesCS7D03G0554300	0.88689	1.23668	No	No
40270	TraesCS7D03G0554800	1.28918	1.11985	UP	UP
40274	TraesCS7D03G0557600	1.08251	0.44914	Up	Down
40275	TraesCS7D03G0558000	0.93973	1.77347	No	No
40277	TraesCS7D03G0558300	0.86707	1.72686	No	No
40278	TraesCS7D03G0558400	1.2262	1.66877	UP	UP
40279	TraesCS7D03G0558500	1.13016	0.25415	Up	Down
40280	TraesCS7D03G0558600	1.22237	0.43758	Up	Down

40281	TraesCS7D03G0559200	0.93381	0.50653	Down	Down
40283	TraesCS7D03G0561300	0.99022	1.72407	No	No
40284	TraesCS7D03G0561400	1.41965	0.47347	Up	Down
40285	TraesCS7D03G0562700	1.04038	0.89832	No	No
40286	TraesCS7D03G0565200	1.1351	1.03042	UP	UP
40288	TraesCS7D03G0566200	1.28001	1.83611	UP	UP
40290	TraesCS7D03G0567800	1.10928	0.7945	No	No
40291	TraesCS7D03G0568000	0.56631	1.3266	No	No
40292	TraesCS7D03G0568400	0.98268	0.57604	Down	Down
40293	TraesCS7D03G0568600	0.97825	0.79448	Down	Down
40294	TraesCS7D03G0569000	1.46188	1.34515	UP	UP
40295	TraesCS7D03G0569800	1.41547	2.13236	Up	Up
40296	TraesCS7D03G0570800	0.98045	1.54164	No	No
40297	TraesCS7D03G0571000	0.82501	2.3894	Down	Up
40298	TraesCS7D03G0571100	0.51482	2.74515	Down	Up
40299	TraesCS7D03G0571300	0.83077	1.8835	No	No
40300	TraesCS7D03G0571500	0.60778	2.93867	Down	Up
40305	TraesCS7D03G0579800	0.57933	0.8318	Down	Down
40306	TraesCS7D03G0581700	0.88393	1.66221	No	No
40309	TraesCS7D03G0582900	1.16871	1.89013	UP	UP
40310	TraesCS7D03G0583400	0.66477	1.55683	No	No
40311	TraesCS7D03G0583700	1.20348	0.7936	No	No
40312	TraesCS7D03G0583900	1.53127	0.86198	No	No
40313	TraesCS7D03G0584100	1.26683	2.30645	Up	Up
40314	TraesCS7D03G0584200	0.80075	3.98516	Down	Up
40315	TraesCS7D03G0585100	1.23982	1.55137	UP	UP
40317	TraesCS7D03G0586100	0.80488	1.8101	No	No
40318	TraesCS7D03G0586300	1.04948	1.10413	UP	UP
40319	TraesCS7D03G0586500	0.97464	1.07715	No	No
40320	TraesCS7D03G0588300	1.79091	1.62733	UP	UP
40321	TraesCS7D03G0588600	0.56797	1.39796	No	No
40322	TraesCS7D03G0588700	0.5265	3.48525	Down	Up
40323	TraesCS7D03G0588900	1.15332	0.86915	No	No
40324	TraesCS7D03G0589800	1.0453	0.46485	Up	Down
40325	TraesCS7D03G0589900	1.09061	0.86849	No	No
40326	TraesCS7D03G0590000	1.31343	0.64576	No	No
40328	TraesCS7D03G0590600	0.95882	0.46104	Down	Down
40329	TraesCS7D03G0590800	0.69383	1.32983	No	No
40331	TraesCS7D03G0592400	0.88097	1.04713	No	No
40332	TraesCS7D03G0593300	0.70734	0.28878	Down	Down
40333	TraesCS7D03G0593600	0.64949	2.24208	Down	Up
40334	TraesCS7D03G0594200	0.67185	1.1057	No	No
40335	TraesCS7D03G0594400	1.00381	1.54303	UP	UP
40336	TraesCS7D03G0594900	0.94415	3.36405	Down	Up
40337	TraesCS7D03G0595100	1.01798	1.21487	UP	UP
40338	TraesCS7D03G0595300	0.71679	0.64143	Down	Down
40339	TraesCS7D03G0596000	0.7828	2.36452	Down	Up
40340	TraesCS7D03G0596300	2.2877	0.62317	Up	Down
40341	TraesCS7D03G0596600	0.90997	0.79783	Down	Down
40342	TraesCS7D03G0596700	1.27765	0.53703	No	No
40343	TraesCS7D03G0596700	0.93977	0.3142	Down	Down
40344	TraesCS7D03G0597600	1.42255	1.80487	UP	UP

40345	TraesCS7D03G0597700	1.35433	1.21507	UP	UP
40347	TraesCS7D03G0599500	0.72602	1.31134	No	No
40348	TraesCS7D03G0599900	0.90283	0.99797	Down	Down
40349	TraesCS7D03G0600300	0.9489	1.07746	No	No
40350	TraesCS7D03G0600500	0.8551	3.4701	Down	Up
40351	TraesCS7D03G0600600	2.44392	0.35452	Up	Down
40353	TraesCS7D03G0601900	0.91948	0.85275	Down	Down
40354	TraesCS7D03G0602100	0.91673	0.95643	Down	Down
40355	TraesCS7D03G0602700	1.26939	1.32658	UP	UP
40356	TraesCS7D03G0603900	1.10335	1.31383	UP	UP
40357	TraesCS7D03G0604200	0.92271	0.54069	Down	Down
40358	TraesCS7D03G0604300	1.53861	0.76292	No	No
40359	TraesCS7D03G0604600	1.16972	0.27906	Up	Down
40360	TraesCS7D03G0604900	0.86003	0.79016	Down	Down
40361	TraesCS7D03G0606100	1.06765	0.92216	No	No
40362	TraesCS7D03G0606900	0.84773	0.77036	Down	Down
40363	TraesCS7D03G0607100	1.77238	3.62867	Up	Up
40364	TraesCS7D03G0607500	0.85714	1.24017	No	No
40365	TraesCS7D03G0607600	0.75056	1.11827	No	No
40366	TraesCS7D03G0607700	0.94976	0.64161	Down	Down
40367	TraesCS7D03G0607900	1.42214	1.26456	UP	UP
40368	TraesCS7D03G0607900	0.94967	0.99407	Down	Down
40369	TraesCS7D03G0608000	0.93017	1.27572	No	No
40370	TraesCS7D03G0608200	0.90771	1.4324	No	No
40371	TraesCS7D03G0608400	0.91366	1.25156	No	No
40372	TraesCS7D03G0609000	1.17795	1.85744	UP	UP
40373	TraesCS7D03G0609100	0.74338	4.79034	Down	Up
40374	TraesCS7D03G0609400	1.41533	0.76021	No	No
40375	TraesCS7D03G0609600	1.12088	0.34054	Up	Down
40376	TraesCS7D03G0610600	1.05762	0.87594	No	No
40377	TraesCS7D03G0610700	1.09654	0.35617	Up	Down
40378	TraesCS7D03G0611400	0.90788	1.14381	No	No
40379	TraesCS7D03G0611500	0.99033	1.52977	No	No
40380	TraesCS7D03G0611600	1.09395	1.07643	UP	UP
40381	TraesCS7D03G0614400	0.95882	1.05304	No	No
40383	TraesCS7D03G0614800	0.7808	1.61431	No	No
40384	TraesCS7D03G0614900	1.12585	1.13326	UP	UP
40385	TraesCS7D03G0615000	2.30949	1.34135	Up	Up
40386	TraesCS7D03G0615600	0.60587	1.38846	No	No
40387	TraesCS7D03G0615800	0.55564	1.15957	No	No
40388	TraesCS7D03G0615900	1.06038	0.24189	Up	Down
40389	TraesCS7D03G0616000	0.93899	0.68632	Down	Down
40390	TraesCS7D03G0617400	1.14591	1.38743	UP	UP
40391	TraesCS7D03G0617600	1.33666	0.79523	No	No
40392	TraesCS7D03G0617800	1.02115	0.68284	No	No
40393	TraesCS7D03G0618000	0.56938	1.20829	No	No
40394	TraesCS7D03G0622600	0.85951	0.43404	Down	Down
40395	TraesCS7D03G0622900	0.96441	2.07807	Down	Up
40396	TraesCS7D03G0623200	1.01891	0.03525	Up	Down
40397	TraesCS7D03G0623700	1.63842	0.47478	Up	Down
40399	TraesCS7D03G0624800	0.54659	1.8538	No	No
40400	TraesCS7D03G0624900	0.80278	1.65574	No	No

40401	TraesCS7D03G0625300	0.8442	0.44632	Down	Down
40402	TraesCS7D03G0625600	1.01966	2.64157	Up	Up
40403	TraesCS7D03G0625700	0.94088	0.87466	Down	Down
40404	TraesCS7D03G0626000	0.99082	0.69952	Down	Down
40405	TraesCS7D03G0626200	0.61622	1.68396	No	No
40407	TraesCS7D03G0626900	0.90014	0.49012	Down	Down
40408	TraesCS7D03G0627000	1.00254	1.40893	UP	UP
40409	TraesCS7D03G0627300	0.87907	2.27921	Down	Up
40410	TraesCS7D03G0627400	0.55105	1.19984	No	No
40411	TraesCS7D03G0627500	0.94756	0.4918	Down	Down
40414	TraesCS7D03G0629100	0.90172	1.26057	No	No
40415	TraesCS7D03G0629200	0.99534	1.79281	No	No
40417	TraesCS7D03G0629400	0.58859	1.1022	No	No
40418	TraesCS7D03G0629600	1.00393	1.26866	UP	UP
40419	TraesCS7D03G0629800	0.70044	1.10255	No	No
40420	TraesCS7D03G0630200	0.97366	1.48081	No	No
40421	TraesCS7D03G0631600	1.3319	2.61322	Up	Up
40422	TraesCS7D03G0631800	1.59973	2.82288	Up	Up
40426	TraesCS7D03G0633500	0.80499	1.70466	No	No
40428	TraesCS7D03G0634300	1.08384	0.45608	Up	Down
40430	TraesCS7D03G0635100	1.27889	0.34342	Up	Down
40433	TraesCS7D03G0635700	0.8667	0.86299	Down	Down
40435	TraesCS7D03G0636000	1.03143	2.2056	Up	Up
40436	TraesCS7D03G0636400	1.15645	0.74189	No	No
40437	TraesCS7D03G0638000	1.15228	0.69345	No	No
40441	TraesCS7D03G0639800	0.91315	1.17346	No	No
40442	TraesCS7D03G0639900	0.99587	1.10301	No	No
40443	TraesCS7D03G0640600	0.62905	1.6027	No	No
40444	TraesCS7D03G0641500	0.98668	1.85294	No	No
40446	TraesCS7D03G0643100	0.97678	1.87445	No	No
40447	TraesCS7D03G0643400	0.76076	2.20762	Down	Up
40448	TraesCS7D03G0644000	0.74123	1.64485	No	No
40449	TraesCS7D03G0644300	0.6219	1.11016	No	No
40450	TraesCS7D03G0644400	1.19864	0.86984	No	No
40451	TraesCS7D03G0645100	1.21419	0.9276	No	No
40453	TraesCS7D03G0646300	1.26993	1.17959	UP	UP
40454	TraesCS7D03G0646300	0.77462	0.94347	Down	Down
40455	TraesCS7D03G0646800	0.99847	0.75787	Down	Down
40456	TraesCS7D03G0649500	1.37045	1.09468	UP	UP
40458	TraesCS7D03G0650000	0.77041	0.79651	Down	Down
40460	TraesCS7D03G0650200	1.10077	0.38139	Up	Down
40461	TraesCS7D03G0650400	1.01643	1.00343	UP	UP
40462	TraesCS7D03G0651300	0.77828	0.97287	Down	Down
40463	TraesCS7D03G0651600	1.01558	0.49538	Up	Down
40464	TraesCS7D03G0653300	1.31649	1.88283	UP	UP
40465	TraesCS7D03G0654000	0.87007	1.61498	No	No
40466	TraesCS7D03G0654100	0.98876	1.39305	No	No
40467	TraesCS7D03G0654500	0.84512	1.47586	No	No
40469	TraesCS7D03G0655500	1.08666	1.30696	UP	UP
40470	TraesCS7D03G0656000	0.93768	0.78231	Down	Down
40471	TraesCS7D03G0656300	0.99426	1.42713	No	No
40472	TraesCS7D03G0664400	0.89802	0.80408	Down	Down

40473	TraesCS7D03G0665500	0.70949	1.72613	No	No
40474	TraesCS7D03G0666400	1.15551	1.39423	UP	UP
40476	TraesCS7D03G0666700	0.99656	0.99632	Down	Down
40477	TraesCS7D03G0666900	1.35861	0.57508	No	No
40479	TraesCS7D03G0668100	0.72946	0.47092	Down	Down
40480	TraesCS7D03G0668600	0.84062	0.69019	Down	Down
40481	TraesCS7D03G0669400	1.08911	0.90245	No	No
40482	TraesCS7D03G0669600	0.7829	1.5231	No	No
40483	TraesCS7D03G0670300	0.94944	1.11032	No	No
40484	TraesCS7D03G0670500	0.96751	1.49848	No	No
40485	TraesCS7D03G0671100	0.7833	1.06517	No	No
40486	TraesCS7D03G0672100	0.90298	1.08409	No	No
40487	TraesCS7D03G0673000	1.08879	0.40685	Up	Down
40489	TraesCS7D03G0675100	1.35064	1.25784	UP	UP
40490	TraesCS7D03G0675600	1.26136	0.69095	No	No
40492	TraesCS7D03G0676100	1.01872	1.99737	UP	UP
40494	TraesCS7D03G0676700	1.38702	1.04113	UP	UP
40495	TraesCS7D03G0677200	0.60844	1.26103	No	No
40496	TraesCS7D03G0678300	1.05463	0.8725	No	No
40497	TraesCS7D03G0679500	1.16973	1.22854	UP	UP
40498	TraesCS7D03G0679900	1.20433	0.90774	No	No
40499	TraesCS7D03G0680400	1.08214	1.17736	UP	UP
40500	TraesCS7D03G0681100	0.86628	0.65331	Down	Down
40501	TraesCS7D03G0682000	1.0848	0.51762	No	No
40502	TraesCS7D03G0682900	0.79643	2.15105	Down	Up
40503	TraesCS7D03G0683100	1.00105	1.15826	UP	UP
40504	TraesCS7D03G0683900	1.33796	0.62594	No	No
40505	TraesCS7D03G0685700	0.99893	0.54873	Down	Down
40507	TraesCS7D03G0686800	1.58445	0.59709	No	No
40508	TraesCS7D03G0687400	1.38726	0.67115	No	No
40509	TraesCS7D03G0688500	0.78238	0.5661	Down	Down
40510	TraesCS7D03G0689800	0.69315	1.56155	No	No
40515	TraesCS7D03G0691100	0.75316	0.25245	Down	Down
40516	TraesCS7D03G0692300	1.14762	0.22398	Up	Down
40518	TraesCS7D03G0693500	0.70501	1.76703	No	No
40519	TraesCS7D03G0693700	1.07919	0.98983	No	No
40520	TraesCS7D03G0693900	1.25881	1.11194	UP	UP
40521	TraesCS7D03G0694300	1.13922	2.06424	Up	Up
40522	TraesCS7D03G0694900	0.87491	1.54704	No	No
40523	TraesCS7D03G0696000	0.61206	1.21297	No	No
40524	TraesCS7D03G0696200	1.10235	1.58761	UP	UP
40525	TraesCS7D03G0696600	0.91791	0.59163	Down	Down
40526	TraesCS7D03G0696700	0.94893	0.64147	Down	Down
40527	TraesCS7D03G0697300	1.13787	1.80379	UP	UP
40528	TraesCS7D03G0697900	0.94822	1.59112	No	No
40529	TraesCS7D03G0698600	1.03754	1.49835	UP	UP
40530	TraesCS7D03G0699300	0.92919	1.21109	No	No
40533	TraesCS7D03G0701900	1.22377	0.63869	No	No
40536	TraesCS7D03G0702600	0.84433	1.16151	No	No
40537	TraesCS7D03G0702900	0.89171	1.98018	No	No
40538	TraesCS7D03G0703200	0.90499	1.29066	No	No
40539	TraesCS7D03G0703500	0.6314	2.54258	Down	Up

40540	TraesCS7D03G0703600	0.73106	2.32748	Down	Up
40541	TraesCS7D03G0704200	0.99951	2.18675	Down	Up
40542	TraesCS7D03G0704300	1.33365	0.17756	Up	Down
40544	TraesCS7D03G0706600	0.90988	0.80653	Down	Down
40545	TraesCS7D03G0707000	0.8949	0.74887	Down	Down
40546	TraesCS7D03G0707100	1.16465	0.56915	No	No
40547	TraesCS7D03G0707600	0.79755	0.9018	Down	Down
40549	TraesCS7D03G0708200	0.96206	1.77021	No	No
40550	TraesCS7D03G0708300	1.09081	0.71187	No	No
40551	TraesCS7D03G0709100	0.53985	0.9835	Down	Down
40552	TraesCS7D03G0709300	1.05401	1.94245	UP	UP
40553	TraesCS7D03G0709400	0.72318	0.73362	Down	Down
40554	TraesCS7D03G0709800	1.24395	1.22897	UP	UP
40555	TraesCS7D03G0710300	0.90977	1.01654	No	No
40556	TraesCS7D03G0710400	0.96895	1.05095	No	No
40557	TraesCS7D03G0710500	1.06891	1.38731	UP	UP
40561	TraesCS7D03G0712500	0.98073	1.33424	No	No
40562	TraesCS7D03G0713200	0.94463	1.00708	No	No
40563	TraesCS7D03G0713300	1.2738	0.71956	No	No
40564	TraesCS7D03G0713500	0.98365	0.68002	Down	Down
40565	TraesCS7D03G0713600	1.02116	1.16126	UP	UP
40567	TraesCS7D03G0713800	1.05392	1.30839	UP	UP
40568	TraesCS7D03G0714100	0.88966	0.86463	Down	Down
40569	TraesCS7D03G0714200	0.80333	0.66849	Down	Down
40571	TraesCS7D03G0714600	0.98245	0.75501	Down	Down
40572	TraesCS7D03G0715000	0.81327	0.92229	Down	Down
40573	TraesCS7D03G0715400	1.17424	1.65723	UP	UP
40574	TraesCS7D03G0715600	0.88184	1.50189	No	No
40578	TraesCS7D03G0724300	0.77161	1.59011	No	No
40579	TraesCS7D03G0725500	1.10505	1.10663	UP	UP
40580	TraesCS7D03G0725700	1.15142	0.64116	No	No
40581	TraesCS7D03G0726100	0.90694	0.72681	Down	Down
40585	TraesCS7D03G0727300	1.15236	4.95658	Up	Up
40586	TraesCS7D03G0727400	0.63147	4.65488	Down	Up
40588	TraesCS7D03G0727900	0.81905	0.49738	Down	Down
40590	TraesCS7D03G0728300	2.25492	0.23168	Up	Down
40591	TraesCS7D03G0729000	0.86568	1.38025	No	No
40592	TraesCS7D03G0729100	1.78625	1.11214	UP	UP
40593	TraesCS7D03G0729700	1.67773	0.47503	Up	Down
40594	TraesCS7D03G0729800	0.86819	0.80932	Down	Down
40595	TraesCS7D03G0730000	1.0476	0.90708	No	No
40596	TraesCS7D03G0730200	1.07972	1.09106	UP	UP
40597	TraesCS7D03G0730800	0.86388	1.68592	No	No
40598	TraesCS7D03G0730900	0.73431	1.21452	No	No
40599	TraesCS7D03G0732000	1.80506	0.08756	Up	Down
40600	TraesCS7D03G0732100	1.13775	0.48459	Up	Down
40601	TraesCS7D03G0732200	0.81823	0.99381	Down	Down
40602	TraesCS7D03G0732300	0.84258	1.26135	No	No
40603	TraesCS7D03G0732700	1.06081	1.14769	UP	UP
40604	TraesCS7D03G0734200	0.85361	1.5223	No	No
40605	TraesCS7D03G0734600	1.04841	1.53791	UP	UP
40606	TraesCS7D03G0734900	0.91929	1.17	No	No

40607	TraesCS7D03G0735400	1.03015	2.02572	Up	Up
40608	TraesCS7D03G0735900	1.02624	1.24959	UP	UP
40609	TraesCS7D03G0736300	1.32114	0.92128	No	No
40610	TraesCS7D03G0736400	1.00115	0.97889	No	No
40611	TraesCS7D03G0736500	1.07492	1.22032	UP	UP
40612	TraesCS7D03G0736600	1.16252	2.18299	Up	Up
40613	TraesCS7D03G0736800	1.16753	0.65954	No	No
40614	TraesCS7D03G0736900	0.99199	5.48323	Down	Up
40615	TraesCS7D03G0737400	0.44451	2.39178	Down	Up
40616	TraesCS7D03G0737500	0.75164	1.02436	No	No
40617	TraesCS7D03G0738600	1.31427	1.71525	UP	UP
40618	TraesCS7D03G0738800	0.89836	1.39963	No	No
40619	TraesCS7D03G0739000	1.49034	2.73869	Up	Up
40620	TraesCS7D03G0740000	1.07866	0.65238	No	No
40624	TraesCS7D03G0742700	1.07747	0.58233	No	No
40625	TraesCS7D03G0742700	0.93777	1.11758	No	No
40626	TraesCS7D03G0742800	0.84549	0.45294	Down	Down
40627	TraesCS7D03G0743000	0.76233	0.60837	Down	Down
40628	TraesCS7D03G0744300	0.88787	0.8373	Down	Down
40629	TraesCS7D03G0745200	0.75033	0.64993	Down	Down
40630	TraesCS7D03G0745400	0.84411	1.02565	No	No
40631	TraesCS7D03G0745400	0.80079	1.71587	No	No
40632	TraesCS7D03G0745900	0.73063	1.30549	No	No
40633	TraesCS7D03G0746000	0.66918	1.31023	No	No
40634	TraesCS7D03G0746100	0.7309	1.53715	No	No
40635	TraesCS7D03G0746200	0.82343	0.50445	Down	Down
40636	TraesCS7D03G0746600	1.24712	0.82468	No	No
40637	TraesCS7D03G0746800	0.68518	1.50044	No	No
40638	TraesCS7D03G0747500	0.79248	1.97268	No	No
40639	TraesCS7D03G0747500	1.6105	0.5432	No	No
40641	TraesCS7D03G0748300	0.9573	1.11165	No	No
40643	TraesCS7D03G0749800	0.86399	0.19993	Down	Down
40644	TraesCS7D03G0750300	0.72217	1.75765	No	No
40645	TraesCS7D03G0750800	0.88759	0.75607	Down	Down
40646	TraesCS7D03G0751200	1.59584	1.56342	UP	UP
40648	TraesCS7D03G0751500	1.06092	0.7405	No	No
40649	TraesCS7D03G0752000	0.69785	1.58249	No	No
40650	TraesCS7D03G0752300	1.11972	2.44219	Up	Up
40651	TraesCS7D03G0752500	0.94118	0.95391	Down	Down
40652	TraesCS7D03G0752600	0.93129	2.45371	Down	Up
40654	TraesCS7D03G0753500	0.88796	0.33629	Down	Down
40655	TraesCS7D03G0753800	0.88233	1.19813	No	No
40656	TraesCS7D03G0754100	1.36669	0.86814	No	No
40658	TraesCS7D03G0755700	1.08581	0.92235	No	No
40659	TraesCS7D03G0755800	1.10905	2.08742	Up	Up
40660	TraesCS7D03G0756000	1.03122	1.57046	UP	UP
40661	TraesCS7D03G0756100	1.45447	0.7823	No	No
40666	TraesCS7D03G0757400	0.55543	3.29749	Down	Up
40667	TraesCS7D03G0757800	0.89738	1.70777	No	No
40668	TraesCS7D03G0758300	0.98956	0.80076	Down	Down
40669	TraesCS7D03G0758600	0.8168	0.45405	Down	Down
40670	TraesCS7D03G0759300	0.84693	1.0708	No	No

40671	TraesCS7D03G0759400	0.9157	1.51484	No	No
40672	TraesCS7D03G0759500	1.10331	1.05855	UP	UP
40673	TraesCS7D03G0760000	2.06744	3.00634	Up	Up
40675	TraesCS7D03G0761800	0.67651	1.23435	No	No
40677	TraesCS7D03G0762300	1.08778	0.97575	No	No
40678	TraesCS7D03G0762900	1.21106	1.34387	UP	UP
40679	TraesCS7D03G0763100	0.38478	3.31429	Down	Up
40680	TraesCS7D03G0763200	0.8063	0.72687	Down	Down
40681	TraesCS7D03G0763700	0.91936	0.7835	Down	Down
40682	TraesCS7D03G0763800	1.02854	0.84259	No	No
40683	TraesCS7D03G0764100	1.19824	1.24067	UP	UP
40684	TraesCS7D03G0764500	0.76214	1.09086	No	No
40685	TraesCS7D03G0764900	1.30472	1.21845	UP	UP
40686	TraesCS7D03G0765200	0.90283	0.42949	Down	Down
40687	TraesCS7D03G0765300	1.30021	0.10596	Up	Down
40688	TraesCS7D03G0766800	1.56357	1.12638	UP	UP
40689	TraesCS7D03G0767100	1.11604	2.38431	Up	Up
40690	TraesCS7D03G0767400	1.05272	0.79672	No	No
40691	TraesCS7D03G0767700	1.07222	1.04659	UP	UP
40692	TraesCS7D03G0767800	1.11849	2.45778	Up	Up
40693	TraesCS7D03G0768100	1.47611	0.78079	No	No
40694	TraesCS7D03G0768200	1.25913	0.41012	Up	Down
40695	TraesCS7D03G0768400	1.34358	1.04654	UP	UP
40696	TraesCS7D03G0768600	0.96162	1.42751	No	No
40697	TraesCS7D03G0770300	0.74826	1.81704	No	No
40699	TraesCS7D03G0771900	0.88068	1.42489	No	No
40702	TraesCS7D03G0772400	1.41318	0.75071	No	No
40703	TraesCS7D03G0773000	1.2278	0.73738	No	No
40704	TraesCS7D03G0773100	1.63219	1.23252	UP	UP
40705	TraesCS7D03G0773200	0.99991	1.94797	No	No
40706	TraesCS7D03G0773300	1.2692	2.78914	Up	Up
40707	TraesCS7D03G0773300	0.78088	3.10304	Down	Up
40708	TraesCS7D03G0774200	1.21221	4.58471	Up	Up
40709	TraesCS7D03G0774600	0.45671	1.65248	Down	Up
40710	TraesCS7D03G0774900	0.39813	0.616	Down	Down
40711	TraesCS7D03G0775500	1.11134	2.3737	Up	Up
40713	TraesCS7D03G0776900	1.04556	0.79031	No	No
40714	TraesCS7D03G0777300	1.10206	0.84689	No	No
40715	TraesCS7D03G0777400	0.87195	0.90187	Down	Down
40716	TraesCS7D03G0777600	0.69312	8.21217	Down	Up
40717	TraesCS7D03G0778200	1.08697	2.40395	Up	Up
40719	TraesCS7D03G0779600	0.86718	0.4242	Down	Down
40720	TraesCS7D03G0781100	0.57001	1.76012	No	No
40721	TraesCS7D03G0781100	0.51513	1.52962	No	No
40722	TraesCS7D03G0781500	0.54791	1.48611	No	No
40723	TraesCS7D03G0781600	0.8867	0.64077	Down	Down
40724	TraesCS7D03G0782200	1.32628	1.44155	UP	UP
40725	TraesCS7D03G0782500	1.78385	1.9796	UP	UP
40726	TraesCS7D03G0783200	0.83559	0.90589	Down	Down
40729	TraesCS7D03G0789300	0.70886	1.15711	No	No
40730	TraesCS7D03G0789400	0.89841	1.01887	No	No
40731	TraesCS7D03G0789900	0.4739	1.71229	Down	Up

40732	TraesCS7D03G0790300	0.74368	1.18917	No	No
40733	TraesCS7D03G0790400	0.86821	0.79254	Down	Down
40734	TraesCS7D03G0790500	0.82724	0.87933	Down	Down
40735	TraesCS7D03G0790600	1.22418	0.23752	Up	Down
40736	TraesCS7D03G0792600	0.79962	1.29102	No	No
40737	TraesCS7D03G0792700	0.89646	1.30661	No	No
40738	TraesCS7D03G0792800	0.73165	1.93933	No	No
40739	TraesCS7D03G0793400	0.84301	0.66355	Down	Down
40740	TraesCS7D03G0794000	0.8721	1.86007	No	No
40741	TraesCS7D03G0794100	0.59502	0.68725	Down	Down
40742	TraesCS7D03G0794100	1.03753	1.76483	UP	UP
40743	TraesCS7D03G0794200	0.66983	2.78064	Down	Up
40744	TraesCS7D03G0794700	1.00552	0.68335	No	No
40745	TraesCS7D03G0794800	0.95563	1.13203	No	No
40747	TraesCS7D03G0795900	0.93771	0.98123	Down	Down
40748	TraesCS7D03G0796000	0.92518	0.50137	Down	Down
40750	TraesCS7D03G0796300	1.39288	1.94018	UP	UP
40751	TraesCS7D03G0796300	0.69128	0.57293	Down	Down
40752	TraesCS7D03G0797100	1.03083	1.046	UP	UP
40753	TraesCS7D03G0798300	0.94479	0.5242	Down	Down
40754	TraesCS7D03G0798500	1.85086	0.55615	No	No
40755	TraesCS7D03G0798900	0.93237	1.19556	No	No
40756	TraesCS7D03G0799100	1.17352	1.32842	UP	UP
40757	TraesCS7D03G0799400	1.15093	1.26538	UP	UP
40758	TraesCS7D03G0799700	0.63494	0.37071	Down	Down
40759	TraesCS7D03G0799800	1.60456	3.49597	Up	Up
40760	TraesCS7D03G0799800	1.0847	1.39882	UP	UP
40762	TraesCS7D03G0800500	0.19642	5.92239	Down	Up
40763	TraesCS7D03G0801000	2.39646	0.58985	Up	Down
40764	TraesCS7D03G0801800	0.38035	1.49639	Down	Up
40765	TraesCS7D03G0802000	0.65414	3.16828	Down	Up
40767	TraesCS7D03G0802600	0.83845	1.21044	No	No
40768	TraesCS7D03G0802900	2.05079	0.63862	Up	Down
40769	TraesCS7D03G0803000	0.62865	2.09465	Down	Up
40771	TraesCS7D03G0803200	1.09183	2.18313	Up	Up
40773	TraesCS7D03G0804400	1.53484	0.85649	No	No
40774	TraesCS7D03G0804700	0.7193	1.90186	No	No
40775	TraesCS7D03G0805200	0.67829	3.00605	Down	Up
40776	TraesCS7D03G0805300	0.7014	1.14808	No	No
40777	TraesCS7D03G0805400	1.06213	1.17801	UP	UP
40778	TraesCS7D03G0805700	0.84589	2.23106	Down	Up
40779	TraesCS7D03G0806600	1.09426	1.07868	UP	UP
40780	TraesCS7D03G0806700	1.72559	1.42191	UP	UP
40781	TraesCS7D03G0806900	1.3103	2.33275	Up	Up
40782	TraesCS7D03G0807500	0.81247	1.0888	No	No
40783	TraesCS7D03G0809700	1.02876	1.01187	UP	UP
40784	TraesCS7D03G0810000	0.98904	1.462	No	No
40785	TraesCS7D03G0810600	1.01042	0.8333	No	No
40786	TraesCS7D03G0810700	0.92236	0.42313	Down	Down
40787	TraesCS7D03G0811000	1.21032	0.44554	Up	Down
40788	TraesCS7D03G0811600	0.78722	0.87387	Down	Down
40789	TraesCS7D03G0811800	1.32964	1.01049	UP	UP

40790	TraesCS7D03G0812700	0.79175	1.72544	No	No
40791	TraesCS7D03G0813300	1.0972	0.22389	Up	Down
40793	TraesCS7D03G0815000	0.89684	0.76483	Down	Down
40794	TraesCS7D03G0815100	0.99344	1.23762	No	No
40795	TraesCS7D03G0815300	1.25277	2.64552	Up	Up
40796	TraesCS7D03G0815500	0.93194	0.93044	Down	Down
40797	TraesCS7D03G0815800	0.80532	0.53489	Down	Down
40798	TraesCS7D03G0816000	0.18173	3.16967	Down	Up
40799	TraesCS7D03G0816300	1.05447	1.05332	UP	UP
40800	TraesCS7D03G0816400	1.10724	0.14689	Up	Down
40801	TraesCS7D03G0817400	0.97838	0.5277	Down	Down
40805	TraesCS7D03G0818300	1.10237	0.96533	No	No
40809	TraesCS7D03G0820000	0.33428	3.15328	Down	Up
40810	TraesCS7D03G0820400	0.91689	0.25326	Down	Down
40811	TraesCS7D03G0820900	0.99412	1.78155	No	No
40812	TraesCS7D03G0821100	0.96176	1.37159	No	No
40813	TraesCS7D03G0821400	0.97758	0.94604	Down	Down
40814	TraesCS7D03G0821500	0.80357	1.55858	No	No
40815	TraesCS7D03G0821900	1.53733	2.0319	UP	UP
40816	TraesCS7D03G0822900	1.12496	1.21888	UP	UP
40817	TraesCS7D03G0824200	1.61565	1.12201	UP	UP
40818	TraesCS7D03G0824300	0.85862	1.06526	No	No
40820	TraesCS7D03G0825200	0.96892	1.48324	No	No
40822	TraesCS7D03G0825700	1.25039	0.49874	Up	Down
40824	TraesCS7D03G0827400	0.85349	1.56344	No	No
40825	TraesCS7D03G0827700	1.02108	1.10688	UP	UP
40826	TraesCS7D03G0827800	0.8572	5.28052	Down	Up
40827	TraesCS7D03G0828000	1.0397	0.4916	Up	Down
40829	TraesCS7D03G0828900	0.7562	0.84103	Down	Down
40830	TraesCS7D03G0829200	1.19703	0.47248	Up	Down
40831	TraesCS7D03G0830000	0.90119	2.05253	Down	Up
40832	TraesCS7D03G0830100	1.55913	0.65957	No	No
40833	TraesCS7D03G0830300	1.64131	1.17893	UP	UP
40834	TraesCS7D03G0831400	0.80639	0.39769	Down	Down
40835	TraesCS7D03G0831900	1.69876	6.20667	Up	Up
40836	TraesCS7D03G0833300	0.90441	0.03951	Down	Down
40837	TraesCS7D03G0833500	0.83831	0.77018	Down	Down
40839	TraesCS7D03G0834400	0.99718	11.2483	Down	Up
40843	TraesCS7D03G0836500	0.94544	0.44849	Down	Down
40844	TraesCS7D03G0837000	0.8475	1.80697	No	No
40845	TraesCS7D03G0837000	0.89853	1.18137	No	No
40846	TraesCS7D03G0838200	1.15074	7.0558	Up	Up
40848	TraesCS7D03G0838600	0.86966	0.72701	Down	Down
40851	TraesCS7D03G0839100	0.89736	0.75799	Down	Down
40852	TraesCS7D03G0840300	0.85374	0.96517	Down	Down
40853	TraesCS7D03G0841000	0.83562	4.12238	Down	Up
40854	TraesCS7D03G0841700	0.3961	7.36136	Down	Up
40855	TraesCS7D03G0842200	0.49823	2.07835	Down	Up
40856	TraesCS7D03G0842500	0.49808	1.95099	Down	Up
40857	TraesCS7D03G0843100	0.69155	2.10623	Down	Up
40858	TraesCS7D03G0843400	0.88569	1.90622	No	No
40860	TraesCS7D03G0844900	3.75445	0.40574	Up	Down

40861	TraesCS7D03G0844900	0.88794	0.35811	Down	Down
40862	TraesCS7D03G0845000	0.42565	1.22157	Down	Up
40863	TraesCS7D03G0845200	1.83821	3.43571	Up	Up
40864	TraesCS7D03G0846000	0.88975	23.0239	Down	Up
40865	TraesCS7D03G0846200	0.93659	2.1633	Down	Up
40866	TraesCS7D03G0846900	1.49187	0.98006	No	No
40867	TraesCS7D03G0847100	0.98085	1.76285	No	No
40868	TraesCS7D03G0847200	0.80421	1.33638	No	No
40870	TraesCS7D03G0847700	0.66731	2.11117	Down	Up
40871	TraesCS7D03G0847900	1.42808	0.65036	No	No
40872	TraesCS7D03G0849000	1.27039	0.29477	Up	Down
40873	TraesCS7D03G0849200	1.07455	1.5948	UP	UP
40874	TraesCS7D03G0849700	0.77217	1.36484	No	No
40875	TraesCS7D03G0850100	1.30107	0.64725	No	No
40876	TraesCS7D03G0851100	1.10837	1.3725	UP	UP
40877	TraesCS7D03G0851200	0.79197	1.42054	No	No
40878	TraesCS7D03G0852700	1.49485	6.35265	Up	Up
40879	TraesCS7D03G0852800	0.75093	2.1934	Down	Up
40880	TraesCS7D03G0853300	1.825	1.99479	UP	UP
40881	TraesCS7D03G0853400	0.94955	0.98182	Down	Down
40882	TraesCS7D03G0853500	0.98238	2.33842	Down	Up
40883	TraesCS7D03G0856900	0.77717	2.08573	Down	Up
40885	TraesCS7D03G0857900	0.9838	1.24781	No	No
40886	TraesCS7D03G0858000	1.27141	0.93652	No	No
40887	TraesCS7D03G0859500	0.83765	1.4276	No	No
40888	TraesCS7D03G0860100	1.45226	0.35267	Up	Down
40889	TraesCS7D03G0860200	0.79983	2.54072	Down	Up
40890	TraesCS7D03G0861100	0.97027	1.73314	No	No
40891	TraesCS7D03G0861500	1.31671	1.28246	UP	UP
40892	TraesCS7D03G0861900	1.46953	1.51663	UP	UP
40894	TraesCS7D03G0862700	0.58546	2.09163	Down	Up
40895	TraesCS7D03G0862800	1.38688	1.79055	UP	UP
40896	TraesCS7D03G0862800	0.58728	3.66556	Down	Up
40897	TraesCS7D03G0863600	0.55446	1.09255	No	No
40898	TraesCS7D03G0863800	0.74172	1.41063	No	No
40899	TraesCS7D03G0864200	0.41061	0.73221	Down	Down
40900	TraesCS7D03G0864300	0.75422	1.47761	No	No
40901	TraesCS7D03G0867400	0.86419	1.33419	No	No
40902	TraesCS7D03G0867600	0.95429	2.00129	Down	Up
40903	TraesCS7D03G0867900	1.00529	1.81592	UP	UP
40904	TraesCS7D03G0868400	0.92275	2.93087	Down	Up
40908	TraesCS7D03G0871900	0.49093	0.6981	Down	Down
40909	TraesCS7D03G0872300	1.11659	1.73519	UP	UP
40910	TraesCS7D03G0873700	1.05957	1.55842	UP	UP
40911	TraesCS7D03G0873900	0.74112	1.14912	No	No
40912	TraesCS7D03G0874300	0.72913	1.20375	No	No
40915	TraesCS7D03G0875500	1.6069	0.27918	Up	Down
40916	TraesCS7D03G0875600	0.93119	0.20935	Down	Down
40917	TraesCS7D03G0876300	0.94278	1.19825	No	No
40918	TraesCS7D03G0876800	1.35541	0.87341	No	No
40919	TraesCS7D03G0877700	1.08235	0.56057	No	No
40920	TraesCS7D03G0878000	0.82981	1.17276	No	No

40921	TraesCS7D03G0878300	1.10576	0.65476	No	No
40922	TraesCS7D03G0878400	1.08928	0.24408	Up	Down
40923	TraesCS7D03G0878800	1.94489	0.13707	Up	Down
40924	TraesCS7D03G0879100	1.18425	0.93508	No	No
40925	TraesCS7D03G0879200	0.86392	1.11754	No	No
40926	TraesCS7D03G0879300	0.56154	1.25004	No	No
40927	TraesCS7D03G0879600	1.03937	0.13937	Up	Down
40928	TraesCS7D03G0880000	0.55095	0.30328	Down	Down
40929	TraesCS7D03G0880000	1.43757	0.84656	No	No
40930	TraesCS7D03G0880200	1.52712	0.81427	No	No
40931	TraesCS7D03G0880700	0.50633	2.20017	Down	Up
40932	TraesCS7D03G0881700	1.30428	0.51742	No	No
40934	TraesCS7D03G0881900	1.41005	1.34195	UP	UP
40935	TraesCS7D03G0882000	0.56128	4.80232	Down	Up
40936	TraesCS7D03G0882400	1.28775	0.92782	No	No
40937	TraesCS7D03G0882500	0.6346	3.51989	Down	Up
40938	TraesCS7D03G0882600	1.12604	1.28785	UP	UP
40939	TraesCS7D03G0882600	1.22724	0.47534	Up	Down
40940	TraesCS7D03G0883800	0.71103	1.26769	No	No
40941	TraesCS7D03G0885600	0.99079	1.41487	No	No
40942	TraesCS7D03G0886400	0.8703	1.36883	No	No
40943	TraesCS7D03G0887600	0.842	1.15753	No	No
40944	TraesCS7D03G0887800	1.34084	0.4998	Up	Down
40945	TraesCS7D03G0888100	0.91971	0.72812	Down	Down
40946	TraesCS7D03G0888300	1.01081	1.25137	UP	UP
40947	TraesCS7D03G0888500	1.45448	0.08475	Up	Down
40948	TraesCS7D03G0888600	0.30558	0.70083	Down	Down
40949	TraesCS7D03G0888700	0.50621	0.75744	Down	Down
40951	TraesCS7D03G0890200	0.94424	0.49555	Down	Down
40952	TraesCS7D03G0890300	0.81845	1.21763	No	No
40953	TraesCS7D03G0890600	1.11217	1.55985	UP	UP
40954	TraesCS7D03G0890700	1.1301	1.45682	UP	UP
40956	TraesCS7D03G0890900	0.52635	4.77134	Down	Up
40957	TraesCS7D03G0893600	0.77169	2.68274	Down	Up
40958	TraesCS7D03G0893900	0.62521	0.90018	Down	Down
40959	TraesCS7D03G0894000	1.05099	0.4085	Up	Down
40960	TraesCS7D03G0895700	0.97007	1.01981	No	No
40961	TraesCS7D03G0895800	0.84402	1.10612	No	No
40962	TraesCS7D03G0896100	0.91054	1.27599	No	No
40963	TraesCS7D03G0896300	0.85795	1.82616	No	No
40964	TraesCS7D03G0896900	1.43439	0.33926	Up	Down
40965	TraesCS7D03G0897400	1.10761	0.25749	Up	Down
40966	TraesCS7D03G0897700	0.66822	0.67593	Down	Down
40967	TraesCS7D03G0897700	1.02239	1.40119	UP	UP
40968	TraesCS7D03G0897800	1.15715	1.1252	UP	UP
40969	TraesCS7D03G0897900	1.09505	0.58639	No	No
40970	TraesCS7D03G0898400	1.55094	1.43398	UP	UP
40971	TraesCS7D03G0898600	1.47012	1.98912	UP	UP
40972	TraesCS7D03G0898600	1.271	1.2318	UP	UP
40973	TraesCS7D03G0898800	1.03866	2.54023	Up	Up
40974	TraesCS7D03G0899100	1.02953	1.68663	UP	UP
40975	TraesCS7D03G0899100	1.10525	0.4274	Up	Down

40976	TraesCS7D03G0899300	0.9624	0.27818	Down	Down
40977	TraesCS7D03G0899700	1.01556	1.22041	UP	UP
40979	TraesCS7D03G0900600	0.76874	2.90089	Down	Up
40980	TraesCS7D03G0900800	1.09614	0.29034	Up	Down
40981	TraesCS7D03G0901200	0.55627	0.84791	Down	Down
40982	TraesCS7D03G0901800	0.82684	0.86006	Down	Down
40983	TraesCS7D03G0902200	0.86313	1.04549	No	No
40989	TraesCS7D03G0904400	0.88534	1.4198	No	No
40993	TraesCS7D03G0906000	0.52708	1.81784	No	No
40994	TraesCS7D03G0906300	0.85127	0.95758	Down	Down
40995	TraesCS7D03G0907300	1.34395	2.28869	Up	Up
40996	TraesCS7D03G0907300	1.45356	2.02079	Up	Up
40997	TraesCS7D03G0909400	1.12727	1.04382	UP	UP
40998	TraesCS7D03G0909600	0.89602	1.16449	No	No
40999	TraesCS7D03G0909900	1.32437	0.65244	No	No
41000	TraesCS7D03G0910600	0.66067	8.01916	Down	Up
41001	TraesCS7D03G0911700	1.26087	1.40672	UP	UP
41002	TraesCS7D03G0912300	0.68272	0.96072	Down	Down
41003	TraesCS7D03G0912400	1.09134	0.905	No	No
41004	TraesCS7D03G0912500	1.09381	2.32183	Up	Up
41007	TraesCS7D03G0914900	1.22568	1.14832	UP	UP
41008	TraesCS7D03G0915000	1.30962	0.88385	No	No
41010	TraesCS7D03G0915900	1.02829	0.54966	No	No
41012	TraesCS7D03G0918300	1.00015	1.11308	UP	UP
41013	TraesCS7D03G0919200	0.38568	12.7833	Down	Up
41014	TraesCS7D03G0919400	0.92126	0.92535	Down	Down
41015	TraesCS7D03G0919700	0.65632	1.10892	No	No
41016	TraesCS7D03G0919800	0.97682	0.61667	Down	Down
41017	TraesCS7D03G0920500	0.87046	0.61405	Down	Down
41018	TraesCS7D03G0921200	0.93384	0.59266	Down	Down
41019	TraesCS7D03G0921600	0.66792	4.04359	Down	Up
41020	TraesCS7D03G0923200	0.87316	1.37668	No	No
41021	TraesCS7D03G0923600	0.80619	0.52615	Down	Down
41022	TraesCS7D03G0924000	1.09295	1.03225	UP	UP
41023	TraesCS7D03G0924200	1.07357	1.21973	UP	UP
41024	TraesCS7D03G0924400	0.74283	1.81855	No	No
41025	TraesCS7D03G0924600	0.73228	4.48919	Down	Up
41027	TraesCS7D03G0928800	0.90491	0.64432	Down	Down
41029	TraesCS7D03G0933000	0.22498	1.0528	Down	Up
41030	TraesCS7D03G0933100	0.6974	1.40907	No	No
41031	TraesCS7D03G0933400	4.0042	1.62278	Up	Up
41032	TraesCS7D03G0933500	0.83359	1.40754	No	No
41033	TraesCS7D03G0933600	0.80529	0.66566	Down	Down
41035	TraesCS7D03G0934000	1.6615	1.95357	UP	UP
41037	TraesCS7D03G0935500	0.97066	1.5347	No	No
41038	TraesCS7D03G0937100	1.28737	0.24422	Up	Down
41039	TraesCS7D03G0937200	1.03917	0.57976	No	No
41040	TraesCS7D03G0939000	1.03222	0.26435	Up	Down
41042	TraesCS7D03G0939500	1.1916	0.87222	No	No
41043	TraesCS7D03G0941900	1.26756	1.49339	UP	UP
41044	TraesCS7D03G0942000	1.23649	7.41093	Up	Up
41047	TraesCS7D03G0942700	0.95855	1.50788	No	No

41048	TraesCS7D03G0943200	0.7718	0.34279	Down	Down
41050	TraesCS7D03G0944500	0.74807	0.72429	Down	Down
41051	TraesCS7D03G0944600	0.64738	2.34453	Down	Up
41052	TraesCS7D03G0944700	0.69309	1.6967	No	No
41053	TraesCS7D03G0945900	0.65206	0.2685	Down	Down
41054	TraesCS7D03G0946400	0.76514	2.14549	Down	Up
41056	TraesCS7D03G0946700	0.97044	1.17093	No	No
41057	TraesCS7D03G0947600	0.9514	0.83806	Down	Down
41058	TraesCS7D03G0947700	0.9898	0.85078	Down	Down
41059	TraesCS7D03G0948800	1.08685	1.13473	UP	UP
41060	TraesCS7D03G0950500	1.04973	1.20213	UP	UP
41061	TraesCS7D03G0950700	0.72248	0.53511	Down	Down
41062	TraesCS7D03G0950800	0.81794	1.86556	No	No
41063	TraesCS7D03G0950800	0.61591	1.91084	No	No
41064	TraesCS7D03G0950900	0.96259	1.60771	No	No
41065	TraesCS7D03G0951000	1.4358	2.8804	Up	Up
41066	TraesCS7D03G0951100	1.09469	1.50624	UP	UP
41067	TraesCS7D03G0951500	0.94199	13.0686	Down	Up
41069	TraesCS7D03G0953000	0.84311	3.99489	Down	Up
41071	TraesCS7D03G0955200	1.15967	1.58061	UP	UP
41073	TraesCS7D03G0955400	2.15004	2.64862	UP	UP
41074	TraesCS7D03G0955500	0.97581	2.00866	Down	Up
41075	TraesCS7D03G0955800	2.57416	1.17808	Up	Up
41076	TraesCS7D03G0957900	0.73381	0.34714	Down	Down
41077	TraesCS7D03G0958000	0.78507	0.47513	Down	Down
41078	TraesCS7D03G0958200	1.03426	1.05884	UP	UP
41080	TraesCS7D03G0959000	0.82473	0.60422	Down	Down
41081	TraesCS7D03G0959100	1.09266	0.14138	Up	Down
41082	TraesCS7D03G0959500	0.85899	1.11856	No	No
41083	TraesCS7D03G0959700	1.35115	1.2235	UP	UP
41085	TraesCS7D03G0959900	1.16653	1.68971	UP	UP
41086	TraesCS7D03G0960100	1.21897	0.15969	Up	Down
41090	TraesCS7D03G0962100	0.72749	2.56284	Down	Up
41093	TraesCS7D03G0963300	1.88833	0.53692	No	No
41094	TraesCS7D03G0963600	1.04381	1.34135	UP	UP
41095	TraesCS7D03G0964000	0.63864	1.23956	No	No
41096	TraesCS7D03G0964300	0.98286	0.6223	Down	Down
41097	TraesCS7D03G0964400	1.16715	1.12283	UP	UP
41099	TraesCS7D03G0965400	0.82164	2.11527	Down	Up
41102	TraesCS7D03G0970500	1.06104	1.61433	UP	UP
41103	TraesCS7D03G0971200	0.82994	1.41414	No	No
41105	TraesCS7D03G0972400	1.06606	0.81095	No	No
41106	TraesCS7D03G0972500	0.89807	0.79377	Down	Down
41107	TraesCS7D03G0972600	0.72394	0.96858	Down	Down
41108	TraesCS7D03G0973600	0.88039	0.84199	Down	Down
41109	TraesCS7D03G0973700	1.56722	1.41526	UP	UP
41110	TraesCS7D03G0973800	0.86681	1.30234	No	No
41111	TraesCS7D03G0975500	0.85317	1.65571	No	No
41112	TraesCS7D03G0977100	1.0477	0.65144	No	No
41113	TraesCS7D03G0977300	0.81324	0.53835	Down	Down
41114	TraesCS7D03G0977400	0.9372	1.27653	No	No
41115	TraesCS7D03G0978800	0.87037	1.22501	No	No

41116	TraesCS7D03G0979000	0.90947	0.99477	Down	Down
41118	TraesCS7D03G0983100	1.46735	0.96371	No	No
41119	TraesCS7D03G0983100	0.96066	0.61479	Down	Down
41121	TraesCS7D03G0983400	0.86322	1.0007	No	No
41122	TraesCS7D03G0984200	0.99401	1.29542	No	No
41123	TraesCS7D03G0984300	1.00753	0.43501	Up	Down
41124	TraesCS7D03G0984400	1.57374	1.34626	UP	UP
41125	TraesCS7D03G0984900	1.40098	0.85367	No	No
41126	TraesCS7D03G0985200	0.55106	2.31389	Down	Up
41127	TraesCS7D03G0985600	1.23816	1.59131	UP	UP
41129	TraesCS7D03G0989200	0.90992	1.11434	No	No
41131	TraesCS7D03G0989600	1.04484	1.48281	UP	UP
41132	TraesCS7D03G0989900	0.65416	2.56652	Down	Up
41133	TraesCS7D03G0990000	0.97764	1.31674	No	No
41134	TraesCS7D03G0991600	1.20181	32.8725	Up	Up
41135	TraesCS7D03G0992200	1.26156	0.41739	Up	Down
41136	TraesCS7D03G0992300	0.65936	2.00524	Down	Up
41137	TraesCS7D03G0992900	0.80969	1.26641	No	No
41138	TraesCS7D03G0993400	0.84884	1.75329	No	No
41139	TraesCS7D03G0993600	1.03634	2.33423	Up	Up
41140	TraesCS7D03G0995100	1.17737	0.67271	No	No
41141	TraesCS7D03G0995600	1.42275	0.28252	Up	Down
41142	TraesCS7D03G0995800	1.18411	0.26424	Up	Down
41143	TraesCS7D03G0996600	1.48712	1.38385	UP	UP
41144	TraesCS7D03G0997000	0.93248	0.53827	Down	Down
41146	TraesCS7D03G0999000	0.67915	0.69897	Down	Down
41147	TraesCS7D03G0999800	2.95928	1.46101	Up	Up
41148	TraesCS7D03G0999800	1.00747	0.4575	Up	Down
41149	TraesCS7D03G1001400	0.97457	0.50215	Down	Down
41150	TraesCS7D03G1002000	1.01264	1.60741	UP	UP
41151	TraesCS7D03G1002100	0.8844	1.00656	No	No
41152	TraesCS7D03G1002200	1.02901	1.43637	UP	UP
41153	TraesCS7D03G1002900	1.19054	1.4273	UP	UP
41154	TraesCS7D03G1003000	0.41357	3.11141	Down	Up
41155	TraesCS7D03G1003900	0.9302	8.44633	Down	Up
41156	TraesCS7D03G1003900	0.94932	3.05247	Down	Up
41158	TraesCS7D03G1004800	0.95353	0.9782	Down	Down
41159	TraesCS7D03G1006500	0.40488	3.20742	Down	Up
41162	TraesCS7D03G1008800	0.86718	0.82235	Down	Down
41166	TraesCS7D03G1013900	0.93749	0.44498	Down	Down
41167	TraesCS7D03G1014900	0.98306	0.67513	Down	Down
41169	TraesCS7D03G1015400	0.67267	0.88026	Down	Down
41170	TraesCS7D03G1016200	1.69337	0.86355	No	No
41171	TraesCS7D03G1016600	0.96093	0.38681	Down	Down
41172	TraesCS7D03G1017100	0.90028	0.6241	Down	Down
41173	TraesCS7D03G1019200	0.93623	1.70318	No	No
41174	TraesCS7D03G1019300	0.81995	1.90738	No	No
41175	TraesCS7D03G1019400	0.68549	1.95527	No	No
41176	TraesCS7D03G1019800	2.58024	0.83168	Up	Down
41177	TraesCS7D03G1023900	0.70863	2.58317	Down	Up
41178	TraesCS7D03G1024200	1.30188	0.98202	No	No
41179	TraesCS7D03G1024400	1.20077	0.63202	No	No

41180	TraesCS7D03G1025200	0.81319	0.70256	Down	Down
41181	TraesCS7D03G1025900	0.93096	1.15551	No	No
41184	TraesCS7D03G1030000	0.78468	1.11731	No	No
41185	TraesCS7D03G1031500	0.73349	1.07753	No	No
41187	TraesCS7D03G1032000	0.67117	2.18764	Down	Up
41188	TraesCS7D03G1032700	0.85977	1.82567	No	No
41189	TraesCS7D03G1033000	0.91029	7.2835	Down	Up
41190	TraesCS7D03G1033100	1.23835	0.88377	No	No
41191	TraesCS7D03G1033600	1.06278	2.1986	Up	Up
41193	TraesCS7D03G1035000	0.78827	0.94901	Down	Down
41194	TraesCS7D03G1038600	3.96074	0.40075	Up	Down
41195	TraesCS7D03G1038700	1.29061	1.20266	UP	UP
41198	TraesCS7D03G1041500	3.46775	0.84751	Up	Down
41199	TraesCS7D03G1042900	0.75771	27.0674	Down	Up
41200	TraesCS7D03G1043200	0.84835	0.47406	Down	Down
41201	TraesCS7D03G1043300	0.72468	0.84851	Down	Down
41202	TraesCS7D03G1043700	1.20912	0.69535	No	No
41205	TraesCS7D03G1045000	0.20825	1.64666	Down	Up
41206	TraesCS7D03G1045100	0.49542	0.91648	Down	Down
41207	TraesCS7D03G1045800	0.77965	1.14113	No	No
41208	TraesCS7D03G1047000	0.83704	1.52219	No	No
41210	TraesCS7D03G1049200	0.50145	0.09212	Down	Down
41211	TraesCS7D03G1049400	0.83145	0.7856	Down	Down
41212	TraesCS7D03G1049600	0.74717	0.6591	Down	Down
41213	TraesCS7D03G1049900	0.96877	1.29618	No	No
41215	TraesCS7D03G1050400	0.71193	1.58276	No	No
41217	TraesCS7D03G1051200	1.02986	2.45053	Up	Up
41218	TraesCS7D03G1052300	0.93294	1.40089	No	No
41223	TraesCS7D03G1055200	0.52049	1.22027	No	No
41224	TraesCS7D03G1055300	0.67928	1.44577	No	No
41225	TraesCS7D03G1056600	2.4317	0.57709	Up	Down
41226	TraesCS7D03G1058800	1.22483	1.27842	UP	UP
41227	TraesCS7D03G1059200	1.4358	0.45944	Up	Down
41228	TraesCS7D03G1059300	0.86353	0.64281	Down	Down
41229	TraesCS7D03G1060000	0.89218	1.49578	No	No
41230	TraesCS7D03G1060300	1.02986	1.10418	UP	UP
41231	TraesCS7D03G1060500	1.01283	0.86352	No	No
41232	TraesCS7D03G1061300	1.23115	3.73153	Up	Up
41233	TraesCS7D03G1061300	0.83249	1.29733	No	No
41234	TraesCS7D03G1061600	1.23926	0.63277	No	No
41235	TraesCS7D03G1063400	0.89545	0.6722	Down	Down
41236	TraesCS7D03G1063600	0.98962	0.81445	Down	Down
41237	TraesCS7D03G1063900	0.95138	0.0721	Down	Down
41238	TraesCS7D03G1065600	1.08297	1.71444	UP	UP
41239	TraesCS7D03G1066700	0.73212	1.26067	No	No
41240	TraesCS7D03G1067400	1.77323	1.60273	UP	UP
41241	TraesCS7D03G1067900	0.77009	2.16939	Down	Up
41242	TraesCS7D03G1068400	0.63765	0.60623	Down	Down
41243	TraesCS7D03G1068700	0.8929	1.24585	No	No
41248	TraesCS7D03G1071300	0.66833	1.52958	No	No
41249	TraesCS7D03G1071400	0.96879	2.12483	Down	Up
41250	TraesCS7D03G1071500	1.03908	1.35613	UP	UP

41252	TraesCS7D03G1071800	1.32539	1.01804	UP	UP
41253	TraesCS7D03G1072300	1.43528	2.31711	Up	Up
41254	TraesCS7D03G1072500	0.93358	3.14004	Down	Up
41255	TraesCS7D03G1073000	0.52563	11.676	Down	Up
41256	TraesCS7D03G1073100	0.90714	1.71593	No	No
41257	TraesCS7D03G1073300	1.21079	1.5552	UP	UP
41258	TraesCS7D03G1073500	0.91991	2.0311	Down	Up
41260	TraesCS7D03G1074200	1.21057	1.07257	UP	UP
41261	TraesCS7D03G1074400	0.81154	3.32967	Down	Up
41262	TraesCS7D03G1074700	0.70431	1.36945	No	No
41263	TraesCS7D03G1075300	1.53624	1.64678	UP	UP
41264	TraesCS7D03G1076500	1.6943	1.29275	UP	UP
41265	TraesCS7D03G1078100	0.68413	2.2456	Down	Up
41266	TraesCS7D03G1078700	0.63582	1.91192	No	No
41267	TraesCS7D03G1079400	0.88336	0.73538	Down	Down
41268	TraesCS7D03G1079400	0.88656	0.72153	Down	Down
41269	TraesCS7D03G1082600	0.86592	5.96717	Down	Up
41270	TraesCS7D03G1084200	0.7012	1.39581	No	No
41271	TraesCS7D03G1085300	1.13615	0.88104	No	No
41272	TraesCS7D03G1085400	2.74727	1.06202	Up	Up
41273	TraesCS7D03G1086000	1.495	1.37123	UP	UP
41275	TraesCS7D03G1087500	1.2647	0.85494	No	No
41276	TraesCS7D03G1087700	0.96058	2.33947	Down	Up
41277	TraesCS7D03G1087900	1.019	0.56626	No	No
41278	TraesCS7D03G1088200	1.00931	1.15879	UP	UP
41279	TraesCS7D03G1090500	0.88113	2.59621	Down	Up
41282	TraesCS7D03G1093300	1.01775	4.33527	Up	Up
41283	TraesCS7D03G1093400	0.57907	1.43137	No	No
41284	TraesCS7D03G1095200	1.07598	0.75899	No	No
41286	TraesCS7D03G1098600	1.30018	1.62493	UP	UP
41287	TraesCS7D03G1098900	1.09341	1.29329	UP	UP
41288	TraesCS7D03G1099200	0.86381	1.15964	No	No
41289	TraesCS7D03G1104100	0.67401	1.09808	No	No
41290	TraesCS7D03G1105500	0.57301	1.61195	No	No
41291	TraesCS7D03G1105700	1.46675	0.65257	No	No
41292	TraesCS7D03G1106100	1.18127	0.94187	No	No
41293	TraesCS7D03G1106100	1.55722	1.27773	UP	UP
41294	TraesCS7D03G1106300	1.40393	2.22396	Up	Up
41295	TraesCS7D03G1107600	0.76124	1.24976	No	No
41296	TraesCS7D03G1107700	1.06607	2.38012	Up	Up
41297	TraesCS7D03G1107900	0.55128	2.37456	Down	Up
41298	TraesCS7D03G1108400	0.69227	1.48826	No	No
41299	TraesCS7D03G1108500	1.36875	1.35752	UP	UP
41300	TraesCS7D03G1109500	0.67481	0.46628	Down	Down
41301	TraesCS7D03G1112400	2.02198	0.91079	Up	Down
41302	TraesCS7D03G1112900	0.81003	0.48827	Down	Down
41303	TraesCS7D03G1113100	1.04634	1.65312	UP	UP
41304	TraesCS7D03G1114500	0.65195	1.94693	No	No
41305	TraesCS7D03G1114900	2.02197	0.8028	Up	Down
41306	TraesCS7D03G1115200	0.96344	1.24152	No	No
41307	TraesCS7D03G1116700	0.73363	0.93029	Down	Down
41308	TraesCS7D03G1116900	0.77244	1.25885	No	No

41310	TraesCS7D03G1117500	0.86687	0.37048	Down	Down
41311	TraesCS7D03G1117600	1.45636	1.07631	UP	UP
41312	TraesCS7D03G1119000	1.4709	2.0518	Up	Up
41313	TraesCS7D03G1119400	1.07	0.54949	No	No
41314	TraesCS7D03G1120800	0.8992	0.67724	Down	Down
41315	TraesCS7D03G1121300	1.01361	1.02077	UP	UP
41316	TraesCS7D03G1123000	0.66106	8.65692	Down	Up
41317	TraesCS7D03G1123200	0.88999	1.2851	No	No
41318	TraesCS7D03G1123900	0.90021	0.67686	Down	Down
41320	TraesCS7D03G1125300	0.12953	12.097	Down	Up
41321	TraesCS7D03G1126500	0.52742	4.45632	Down	Up
41322	TraesCS7D03G1126900	0.85512	1.24014	No	No
41323	TraesCS7D03G1127100	1.01951	1.85349	UP	UP
41324	TraesCS7D03G1127200	1.23826	1.00415	UP	UP
41325	TraesCS7D03G1127400	0.67655	0.51807	Down	Down
41326	TraesCS7D03G1127800	0.90773	1.64731	No	No
41327	TraesCS7D03G1127900	0.75306	1.19975	No	No
41328	TraesCS7D03G1128000	0.84359	2.03604	Down	Up
41329	TraesCS7D03G1128100	1.0616	1.72731	UP	UP
41330	TraesCS7D03G1128200	1.34654	1.07025	UP	UP
41331	TraesCS7D03G1129500	0.83776	3.36974	Down	Up
41332	TraesCS7D03G1130800	0.64057	2.02995	Down	Up
41334	TraesCS7D03G1137200	1.32545	7.97731	Up	Up
41335	TraesCS7D03G1137500	0.81207	1.48996	No	No
41336	TraesCS7D03G1137600	0.9106	2.55971	Down	Up
41338	TraesCS7D03G1138100	1.4541	0.66967	No	No
41340	TraesCS7D03G1139000	0.70225	1.38769	No	No
41341	TraesCS7D03G1140000	0.82258	1.00058	No	No
41343	TraesCS7D03G1142200	1.33946	0.33708	Up	Down
41344	TraesCS7D03G1142400	1.05542	0.36875	Up	Down
41345	TraesCS7D03G1142600	0.86054	0.57905	Down	Down
41347	TraesCS7D03G1143100	1.78043	0.91368	No	No
41348	TraesCS7D03G1144200	1.04395	1.49233	UP	UP
41349	TraesCS7D03G1146300	1.31597	0.56033	No	No
41350	TraesCS7D03G1146900	1.17511	0.21874	Up	Down
41351	TraesCS7D03G1148600	0.88051	1.39628	No	No
41352	TraesCS7D03G1150400	0.60637	4.64698	Down	Up
41353	TraesCS7D03G1151200	0.78143	1.12926	No	No
41354	TraesCS7D03G1155200	0.6907	0.69937	Down	Down
41355	TraesCS7D03G1156600	0.93634	1.06941	No	No
41356	TraesCS7D03G1158500	0.58565	1.18538	No	No
41357	TraesCS7D03G1159500	1.09136	0.62553	No	No
41358	TraesCS7D03G1160400	0.79366	1.033	No	No
41359	TraesCS7D03G1162000	1.20261	0.39571	Up	Down
41361	TraesCS7D03G1163700	0.90068	1.21812	No	No
41362	TraesCS7D03G1163800	0.87614	0.65355	Down	Down
41363	TraesCS7D03G1163900	1.77987	1.39686	UP	UP
41364	TraesCS7D03G1164100	0.44331	4.09743	Down	Up
41365	TraesCS7D03G1164200	0.83147	2.75802	Down	Up
41366	TraesCS7D03G1164400	1.62784	1.21688	UP	UP
41367	TraesCS7D03G1164500	1.02723	1.42481	UP	UP
41368	TraesCS7D03G1164500	1.17282	0.47058	Up	Down

41369	TraesCS7D03G1164600	0.82674	1.00794	No	No
41372	TraesCS7D03G1165700	0.92868	3.69872	Down	Up
41373	TraesCS7D03G1166300	2.32586	3.85311	Up	Up
41375	TraesCS7D03G1168300	0.48429	2.54035	Down	Up
41376	TraesCS7D03G1168800	0.89564	0.72925	Down	Down
41377	TraesCS7D03G1169200	0.90839	0.65345	Down	Down
41378	TraesCS7D03G1169300	0.68368	4.3657	Down	Up
41379	TraesCS7D03G1169800	0.84738	10.3831	Down	Up
41380	TraesCS7D03G1170100	0.45471	11.4449	Down	Up
41381	TraesCS7D03G1171900	0.83659	1.02901	No	No
41382	TraesCS7D03G1172600	1.35961	0.27529	Up	Down
41383	TraesCS7D03G1172700	0.97497	1.9395	No	No
41384	TraesCS7D03G1175300	1.14265	4.68124	Up	Up
41385	TraesCS7D03G1181700	1.1809	1.99344	UP	UP
41386	TraesCS7D03G1182200	0.81315	0.42622	Down	Down
41387	TraesCS7D03G1183700	1.11792	0.85533	No	No
41388	TraesCS7D03G1183800	1.16475	0.79214	No	No
41389	TraesCS7D03G1184700	3.73931	0.27193	Up	Down
41390	TraesCS7D03G1184700	2.02997	0.36796	Up	Down
41391	TraesCS7D03G1187000	1.01672	1.45973	UP	UP
41392	TraesCS7D03G1187100	0.85193	1.51582	No	No
41393	TraesCS7D03G1187300	0.29677	4.17751	Down	Up
41394	TraesCS7D03G1188800	0.76391	0.1187	Down	Down
41395	TraesCS7D03G1189100	1.61704	0.5292	No	No
41397	TraesCS7D03G1189300	1.06822	0.67991	No	No
41398	TraesCS7D03G1190100	1.67713	0.74257	No	No
41401	TraesCS7D03G1194600	1.33516	0.02914	Up	Down
41402	TraesCS7D03G1195500	0.9318	0.89504	Down	Down
41403	TraesCS7D03G1195800	1.07226	1.02409	UP	UP
41404	TraesCS7D03G1195900	0.82321	1.21822	No	No
41405	TraesCS7D03G1198100	0.99831	0.85354	Down	Down
41406	TraesCS7D03G1199500	0.64672	1.84398	No	No
41407	TraesCS7D03G1199600	0.96928	1.76502	No	No
41408	TraesCS7D03G1199800	0.63584	0.87821	Down	Down
41409	TraesCS7D03G1200100	0.8478	1.69704	No	No
41410	TraesCS7D03G1200200	1.27989	0.35082	Up	Down
41411	TraesCS7D03G1200400	0.6938	1.67218	No	No
41412	TraesCS7D03G1200600	1.23967	1.48278	UP	UP
41414	TraesCS7D03G1200900	0.97198	0.68235	Down	Down
41416	TraesCS7D03G1202600	0.75477	0.84761	Down	Down
41417	TraesCS7D03G1204200	1.25961	0.9115	No	No
41418	TraesCS7D03G1204700	0.85626	2.09588	Down	Up
41419	TraesCS7D03G1205000	0.86366	1.60295	No	No
41420	TraesCS7D03G1206100	0.70667	1.11032	No	No
41421	TraesCS7D03G1207000	0.92135	2.11188	Down	Up
41422	TraesCS7D03G1207300	0.97515	1.89598	No	No
41423	TraesCS7D03G1207400	1.20453	1.25151	UP	UP
41424	TraesCS7D03G1207500	1.107	1.61893	UP	UP
41425	TraesCS7D03G1207600	0.91505	1.34686	No	No
41426	TraesCS7D03G1208400	0.75011	1.45057	No	No
41427	TraesCS7D03G1209300	0.72634	0.99824	Down	Down
41428	TraesCS7D03G1209400	1.13731	0.59165	No	No

41431	TraesCS7D03G1210900	0.76129	2.41634	Down	Up
41432	TraesCS7D03G1211400	0.9215	1.33319	No	No
41433	TraesCS7D03G1211500	0.73992	0.71757	Down	Down
41434	TraesCS7D03G1211600	0.60062	1.15987	No	No
41435	TraesCS7D03G1212100	1.55487	0.12216	Up	Down
41436	TraesCS7D03G1212100	0.97584	4.56169	Down	Up
41437	TraesCS7D03G1216200	0.72306	0.45927	Down	Down
41438	TraesCS7D03G1216300	0.56105	7.47994	Down	Up
41439	TraesCS7D03G1216500	1.06852	0.88517	No	No
41440	TraesCS7D03G1216600	1.10196	1.13673	UP	UP
41441	TraesCS7D03G1218200	0.59213	1.67027	No	No
41442	TraesCS7D03G1219600	1.2166	2.5262	Up	Up
41443	TraesCS7D03G1219700	1.49294	0.76909	No	No
41444	TraesCS7D03G1219800	1.80668	0.52514	No	No
41445	TraesCS7D03G1220000	2.15701	0.58626	Up	Down
41446	TraesCS7D03G1220100	2.07778	0.62417	Up	Down
41447	TraesCS7D03G1220500	1.06541	0.17331	Up	Down
41448	TraesCS7D03G1220900	1.28184	1.33958	UP	UP
41449	TraesCS7D03G1221800	0.60998	8.08698	Down	Up
41451	TraesCS7D03G1223700	1.17303	0.4453	Up	Down
41452	TraesCS7D03G1225400	1.51414	0.74293	No	No
41453	TraesCS7D03G1225600	2.23472	9.20863	Up	Up
41454	TraesCS7D03G1225700	2.17159	15.8139	Up	Up
41455	TraesCS7D03G1227000	1.33869	0.34761	Up	Down
41457	TraesCS7D03G1228900	1.05312	1.63313	UP	UP
41458	TraesCS7D03G1229500	0.74981	0.94546	Down	Down
41459	TraesCS7D03G1230700	0.56435	0.72985	Down	Down
41460	TraesCS7D03G1231500	1.37319	1.45762	UP	UP
41461	TraesCS7D03G1231700	0.87849	0.75028	Down	Down
41462	TraesCS7D03G1231800	0.62544	0.75392	Down	Down
41464	TraesCS7D03G1232200	1.09549	0.76693	No	No
41465	TraesCS7D03G1232700	1.18086	0.67418	No	No
41466	TraesCS7D03G1235100	0.87408	1.20735	No	No
41467	TraesCS7D03G1236400	1.138	0.68461	No	No
41468	TraesCS7D03G1236800	1.48232	0.60745	No	No
41469	TraesCS7D03G1236900	0.50894	6.13705	Down	Up
41470	TraesCS7D03G1237600	0.91588	1.615	No	No
41471	TraesCS7D03G1237600	0.79056	0.66582	Down	Down
41472	TraesCS7D03G1238700	0.91267	1.54198	No	No
41473	TraesCS7D03G1239000	1.22778	0.9348	No	No
41474	TraesCS7D03G1240200	0.37462	2.99444	Down	Up
41475	TraesCS7D03G1240700	1.12456	0.84121	No	No
41476	TraesCS7D03G1241000	0.94985	2.14828	Down	Up
41477	TraesCS7D03G1242300	0.59353	7.35279	Down	Up
41478	TraesCS7D03G1244600	0.60359	7.71112	Down	Up
41479	TraesCS7D03G1244900	1.12544	1.48156	UP	UP
41480	TraesCS7D03G1245100	1.24417	1.26503	UP	UP
41481	TraesCS7D03G1245200	1.33325	2.00301	Up	Up
41482	TraesCS7D03G1245200	1.11985	1.25723	UP	UP
41483	TraesCS7D03G1245300	0.99326	0.86166	Down	Down
41484	TraesCS7D03G1245600	0.99267	1.42447	No	No
41486	TraesCS7D03G1251700	4.69247	0.14475	Up	Down

41487	TraesCS7D03G1253300	0.91493	1.46036	No	No
41488	TraesCS7D03G1253400	1.22063	1.08859	UP	UP
41489	TraesCS7D03G1259900	0.96472	0.52548	Down	Down
41491	TraesCS7D03G1261700	0.82766	1.72482	No	No
41493	TraesCS7D03G1263700	1.70436	0.86815	No	No
41494	TraesCS7D03G1263800	0.6009	0.62696	Down	Down
41495	TraesCS7D03G1264700	0.47807	9.5878	Down	Up
41496	TraesCS7D03G1265000	1.07791	1.4369	UP	UP
41497	TraesCS7D03G1265600	1.16724	0.53705	No	No
41499	TraesCS7D03G1268500	0.64855	0.60595	Down	Down
41502	TraesCS7D03G1271100	1.39766	1.86162	UP	UP
41503	TraesCS7D03G1271400	0.97541	5.44449	Down	Up
41504	TraesCS7D03G1271500	0.89994	1.01785	No	No
41505	TraesCS7D03G1271600	0.99323	1.53214	No	No
41507	TraesCS7D03G1281600	0.53917	2.46602	Down	Up
41508	TraesCS7D03G1282000	0.85657	0.95763	Down	Down
41509	TraesCS7D03G1284700	1.21083	0.44485	Up	Down
41510	TraesCS7D03G1285000	1.05421	0.12731	Up	Down
41512	TraesCS7D03G1287900	0.98552	0.76073	Down	Down
41513	TraesCS7D03G1288000	0.9513	0.81921	Down	Down
41514	TraesCS7D03G1289000	1.09007	0.48939	Up	Down
41516	TraesCS7D03G1289800	1.05108	1.05098	UP	UP
41517	TraesCS7D03G1289900	1.26391	0.35127	Up	Down
41518	TraesCS7D03G1290000	0.83311	1.48965	No	No
41519	TraesCS7D03G1290300	0.5063	12.2767	Down	Up
41520	TraesCS7D03G1291100	0.35934	2.14567	Down	Up
41521	TraesCS7D03G1292300	1.09307	0.09202	Up	Down
41522	TraesCS7D03G1292400	0.43132	1.33885	Down	Up
41523	TraesCS7D03G1293600	0.95078	1.48346	No	No
41524	TraesCS7D03G1294100	0.91187	0.2973	Down	Down
41525	TraesCS7D03G1295200	0.73373	1.06071	No	No
41526	TraesCS7D03G1295400	1.08744	1.70739	UP	UP
41528	TraesCS7D03G1296400	0.73137	1.27566	No	No
41529	TraesCS7D03G1296500	0.83175	0.69811	Down	Down
41530	TraesCS7D03G1297200	0.63884	2.40782	Down	Up
41531	TraesCS7D03G1297900	0.90674	1.00411	No	No
41533	TraesCS7D03G1298700	1.07237	0.75146	No	No
41535	TraesCS7D03G1303200	0.9035	1.08811	No	No
41537	TraesCS7D03G1305300	0.68258	0.36203	Down	Down
41538	TraesCS7D03G1305400	0.89317	1.36082	No	No
41540	TraesCS7D03G1307200	0.94578	0.8936	Down	Down
41542	TraesCS7D03G1307400	0.66761	0.73479	Down	Down
41543	TraesCS7D03G1308500	2.3166	0.69928	Up	Down
41545	TraesCSU03G0001100	1.08054	1.14595	UP	UP
41546	TraesCSU03G0001400	1.72417	1.69455	UP	UP
41547	TraesCSU03G0005100	1.01499	1.9215	UP	UP
41548	TraesCSU03G0007000	0.84258	1.04275	No	No
41549	TraesCSU03G0007000	0.85255	0.91163	Down	Down
41550	TraesCSU03G0013600	1.19362	1.29362	UP	UP
41553	TraesCSU03G0017900	1.32908	0.28955	Up	Down
41554	TraesCSU03G0019200	1.45892	0.72421	No	No
41555	TraesCSU03G0020800	0.79179	0.79491	Down	Down

41557	TraesCSU03G0026000	0.99089	0.97898	Down	Down
41558	TraesCSU03G0030200	2.98365	0.93191	Up	Down
41559	TraesCSU03G0030300	1.86795	1.32362	UP	UP
41560	TraesCSU03G0033300	1.27608	3.18617	Up	Up
41561	TraesCSU03G0033400	1.19523	2.78436	Up	Up
41562	TraesCSU03G0033500	1.18987	1.12572	UP	UP
41563	TraesCSU03G0033700	1.4232	1.07185	UP	UP
41564	TraesCSU03G0035900	0.84593	1.11151	No	No
41565	TraesCSU03G0036000	1.79615	1.49141	UP	UP
41566	TraesCSU03G0036400	1.44641	1.03494	UP	UP
41567	TraesCSU03G0040800	0.93866	4.17847	Down	Up
41568	TraesCSU03G0042800	1.30225	2.14517	Up	Up
41569	TraesCSU03G0043000	0.63507	0.35302	Down	Down
41571	TraesCSU03G0048100	1.53362	0.57349	No	No
41572	TraesCSU03G0049600	0.8375	0.43149	Down	Down
41574	TraesCSU03G0052300	1.02523	1.34596	UP	UP
41575	TraesCSU03G0052400	0.89952	0.65859	Down	Down
41577	TraesCSU03G0053400	0.12024	0.05752	Down	Down
41580	TraesCSU03G0055000	0.49642	17.0806	Down	Up
41581	TraesCSU03G0060400	1.15629	2.82686	Up	Up
41582	TraesCSU03G0060600	1.07933	2.63863	Up	Up
41583	TraesCSU03G0061300	0.77806	1.02671	No	No
41585	TraesCSU03G0063400	0.77726	2.08442	Down	Up
41587	TraesCSU03G0065300	0.67383	0.98948	Down	Down
41589	TraesCSU03G0066300	0.95653	1.13254	No	No
41591	TraesCSU03G0067800	0.65256	1.85198	No	No
41592	TraesCSU03G0067800	0.98299	0.43873	Down	Down
41593	TraesCSU03G0068000	0.83109	0.96383	Down	Down
41594	TraesCSU03G0068100	1.27802	1.18397	UP	UP
41596	TraesCSU03G0069200	0.90683	1.31161	No	No
41597	TraesCSU03G0069700	0.87087	1.51784	No	No
41599	TraesCSU03G0070600	1.20366	1.07411	UP	UP
41602	TraesCSU03G0076500	1.10162	0.79451	No	No
41603	TraesCSU03G0076600	0.91453	1.22695	No	No
41607	TraesCSU03G0082800	0.70579	1.30337	No	No
41608	TraesCSU03G0083000	1.03267	1.90906	UP	UP
41610	TraesCSU03G0085900	1.49746	0.8091	No	No
41611	TraesCSU03G0086500	1.34264	0.91446	No	No
41612	TraesCSU03G0089500	0.80566	1.04396	No	No
41614	TraesCSU03G0090200	0.85041	1.05119	No	No
41620	TraesCSU03G0099600	0.84099	1.36766	No	No
41621	TraesCSU03G0108200	0.7232	2.6523	Down	Up
41622	TraesCSU03G0108200	1.0853	1.84922	UP	UP
41623	TraesCSU03G0108200	0.6413	1.55718	No	No
41625	TraesCSU03G0110000	1.12784	0.33254	Up	Down
41626	TraesCSU03G0110900	0.45955	10.5559	Down	Up
41627	TraesCSU03G0111000	0.79585	1.29604	No	No
41628	TraesCSU03G0111100	0.94442	1.13858	No	No
41629	TraesCSU03G0111500	1.02447	1.37109	UP	UP
41630	TraesCSU03G0111800	0.87326	2.52846	Down	Up
41631	TraesCSU03G0114000	1.39717	0.31136	Up	Down
41632	TraesCSU03G0118900	1.06772	1.46472	UP	UP

41633	TraesCSU03G0119600	0.95299	0.72134	Down	Down
41634	TraesCSU03G0125800	0.77743	1.48263	No	No
41635	TraesCSU03G0129400	0.11035	0.58043	Down	Down
41637	TraesCSU03G0145200	0.73827	0.2084	Down	Down
41640	TraesCSU03G0149600	1.05541	2.1406	Up	Up
41641	TraesCSU03G0152500	2.39122	2.11266	UP	UP
41647	TraesCSU03G0166300	1.54661	1.99779	UP	UP
41649	TraesCSU03G0174400	1.18215	0.59021	No	No
41650	TraesCSU03G0175500	1.39928	3.1788	Up	Up
41655	TraesCSU03G0219400	0.7097	0.75273	Down	Down
41656	TraesCSU03G0228600	1.31306	1.10375	UP	UP
41658	TraesCSU03G0241100	1.35132	1.66899	UP	UP
41659	TraesCSU03G0246400	1.06091	1.46708	UP	UP
41660	TraesCSU03G0252500	1.09126	0.81344	No	No
41663	TraesCSU03G0259300	0.44664	1.90978	Down	Up
41665	TraesCSU03G0264800	3.78314	0.90927	Up	Down
41669	TraesCSU03G0293200	0.48702	9.86555	Down	Up
41670	TraesCSU03G0295800	0.89232	0.56175	Down	Down
41671	TraesCSU03G0297300	0.36839	11.1064	Down	Up
41675	TraesCSU03G0305400	0.20132	2.08874	Down	Up
41677	TraesCSU03G0315800	1.26371	1.39432	UP	UP
41680	TraesCSU03G0326300	0.53718	1.26732	No	No
41685	TraesCSU03G0361500	0.48112	0.86552	Down	Down
41690	TraesCSU03G0387900	0.77406	0.6095	Down	Down
41691	TraesCSU03G0418100	0.12401	0.82687	Down	Down
41692	TraesCSU03G0428600	1.0494	0.11855	Up	Down
41700	TraesCSU03G0489900	1.58531	2.10316	Up	Up
41701	TraesCSU03G0490700	1.58047	2.04099	UP	UP
41702	TraesCSU03G0500200	0.84025	0.55317	Down	Down
41705	TraesCSU03G0521600	0.63515	0.90131	Down	Down
41708	TraesCSU03G0538000	1.67966	0.66207	No	No
41709	TraesCSU03G0543800	1.231	0.73693	No	No