

Table S9 Non-synonymous variations of genes in the two QTL regions

Chr.	Pos.	Ref.	Alt.	H1	Depth	AlleDp	Yugu1	Depth	AlleDp	Effect	Codon_change	Gene_id
Chr.5	39624132	A	G	G	22	0,22	A	21	21,0	NON_SYNO NYMOUS_ CODING	cAg/cGg	Seita.5G355100
Chr.5	39628859	T	C	C	17	0,17	T	17	17,0	NON_SYNO NYMOUS_ CODING	Atc/Gtc	Seita.5G355200
Chr.5	39633032	G	A	A	24	0,24	G	15	15,0	NON_SYNO NYMOUS_ CODING	gCc/gTc	Seita.5G355200
Chr.5	39633180	T	A	A	23	0,23	T	15	15,0	NON_SYNO NYMOUS_ CODING	Acc/Tcc	Seita.5G355200
Chr.5	39633273	C	T	T	27	0,27	C	18	18,0	NON_SYNO NYMOUS_ CODING	Gtc/Atc	Seita.5G355200
Chr.5	39651052	G	T	T TAAA,	29	0,29	G	19	19,0	SPLICE_SIT E_REGION CODON_IN	EXON_ID=1	Seita.5G355400
Chr.5	39651477	T	TAAA	TAAA	23	0,23	T,T	17	17,0	SERTION NON_SYNO NYMOUS_ CODING	cag/AAAcag	Seita.5G355400
Chr.5	39651641	T	G	G	36	0,36	T	22	22,0	NON_SYNO NYMOUS_ CODING	gTg/gGg	Seita.5G355400
Chr.5	39651720	G	T	T	26	0,26	G	21	21,0	NON_SYNO NYMOUS_ CODING	caG/caT	Seita.5G355400
Chr.5	39651911	G	A	A GTGC,	32	0,32	G	21	21,0	NON_SYNO NYMOUS_ CODING	gGa/gAa	Seita.5G355400
Chr.5	39652475	G	GTGC	GTGC	26	0,26	G,G	20	20,0	CODON_IN SERTION	ggt/ggTGCT	Seita.5G355400

Chr.5	39652653	G	T	T	31 0,31	G	20 20,0	NON_SYNO NYMOUS_ CODING caG/caT NON_SYNO	Seita.5G355400
Chr.5	39653530	G	A	A	22 0,22	G	22 22,0	NON_SYNO NYMOUS_ CODING atG/atA NON_SYNO	Seita.5G355400
Chr.5	39653832	T	G	G	31 0,31	T	22 22,0	NON_SYNO NYMOUS_ CODING aTt/aGt NON_SYNO	Seita.5G355400
Chr.5	39653906	A	C	C	28 0,28	A	22 22,0	NON_SYNO NYMOUS_ CODING aAc/aCc NON_SYNO	Seita.5G355400
Chr.5	39654346	T	C	C	23 0,23	T TAGC,TA	21 21,0	NON_SYNO NYMOUS_ CODING Tgc/Cgc CODON_DE	Seita.5G355400
Chr.5	39654395	TAGC	T	T,T	22 0,22	GC	20 20,0	NON_SYNO NYMOUS_ LETION ttagca/tta NON_SYNO	Seita.5G355400
Chr.5	39657645	G	C	C	22 0,22	G	12 12,0	NON_SYNO NYMOUS_ CODING Gtc/Ctc NON_SYNO	Seita.5G355500
Chr.5	39657651	G	A	A	22 0,22	G	12 12,0	NON_SYNO NYMOUS_ CODING Gcc/Acc NON_SYNO	Seita.5G355500
Chr.5	39665515	A	G	G	32 0,32	A	26 26,0	NON_SYNO NYMOUS_ CODING cAc/cGc NON_SYNO	Seita.5G355600
Chr.5	39668149	T	G	G	29 0,29	T	11 11,0	NON_SYNO NYMOUS_ CODING aaT/aaG NON_SYNO	Seita.5G355700
Chr.5	39674418	G	C	C	34 0,34	G	11 11,0	NON_SYNO NYMOUS_ CODING aGa/aCa STOP_GAIN	Seita.5G355900
Chr.5	39674456	C	T	T	34 0,34	C	10 10,0	ED Cga/Tga	Seita.5G355900

Chr.5	39674472	G	T	T	34 0,34	G	13 13,0	NON_SYNO NYMOUS_ CODING cGt/cTt NON_SYNO	Seita.5G355900
Chr.5	39674609	T	C	C	24 0,24	T	18 18,0	NON_SYNO NYMOUS_ CODING Tcg/Ccg NON_SYNO	Seita.5G355900
Chr.5	39674863	G	A	A	29 0,29	G	13 13,0	NON_SYNO NYMOUS_ CODING atG/atA NON_SYNO	Seita.5G355900
Chr.5	39677684	A	T	T	35 0,35	A	14 14,0	NON_SYNO NYMOUS_ CODING Tcc/Acc NON_SYNO	Seita.5G356000
Chr.5	39677952	CGA G	C	C,C	25 0,25	CGAG,CG AG	10 10,0	CODON_CH ANGE_PLU S_CODON_ DELETION tcctcg/tcg NON_SYNO	Seita.5G356000
Chr.5	39679631	A	G	G	28 0,28	A	17 17,0	NON_SYNO NYMOUS_ CODING aTg/aCg NON_SYNO	Seita.5G356100
Chr.5	39680834	A	C	M	49 28,21	A	15 15,0	NON_SYNO NYMOUS_ CODING Tcg/Gcg NON_SYNO	Seita.5G356100
Chr.5	39680849	C	T	Y	46 25,21	C	16 16,0	NON_SYNO NYMOUS_ CODING Ggg/Agg NON_SYNO	Seita.5G356100
Chr.5	39680890	T	A	W	44 25,19	T	12 12,0	NON_SYNO NYMOUS_ CODING cAa/cTa FRAME_SH	Seita.5G356100
Chr.5	39680912	CA	C	CA,C	46 28,18	CA,CA	14 14,0	IFT NON_SYNO NYMOUS_ CODING ctt/ NON_SYNO	Seita.5G356100
Chr.5	39682495	C	G	G	31 0,31	C	15 15,0	NON_SYNO NYMOUS_ CODING aGc/aCc NON_SYNO	Seita.5G356100

								CODON_CH ANGE_PLU S_CODON_I ggc/ggGGGGG	
Chr.5	39686678 G	GCCCC CC	G,GCC CCCC	12 8,4	G,G	19 19,0	INSERTION NON_SYNO	Gc	Seita.5G356200
Chr.5	39693716 C	T	T	18 0,18	C	20 20,0	NYMOUS_ CODING NON_SYNO	Cca/Tca	Seita.5G356300
Chr.5	39694121 A	G	G	36 0,36	A	18 18,0	NYMOUS_ CODING NON_SYNO	Acc/Gcc	Seita.5G356300
Chr.5	39696315 T	C	C	29 0,29	T	16 16,0	NYMOUS_ CODING	aTc/aCc	Seita.5G356300
Chr.5	39713604 T	A	A	29 0,29	T	16 16,0	SPLICE_SIT E_REGION NON_SYNO	EXON_ID=9	Seita.5G356600
Chr.5	39713665 T	C	C	26 0,26	T	9 9,0	NYMOUS_ CODING NON_SYNO	cAc/cGc	Seita.5G356600
Chr.5	39714276 G	A	A	22 0,22	G	21 21,0	NYMOUS_ CODING FRAME_SH	aCg/aTg	Seita.5G356600
Chr.5	39714602 AGA ACTC	T	T,T	32 0,32	AAC,TTC ACTCGG	17 17,0	IFT FRAME_SH	gttctcgaa/	Seita.5G356600
Chr.5	39717259 GGA	A	A,A	25 0,25	ACT,ACT	16 16,0	IFT STOP_GAIN	gagtccgag/	Seita.5G356700
Chr.5	39717295 G	A	A	23 0,23	G	16 16,0	ED NON_SYNO	Cag/Tag	Seita.5G356700
Chr.5	39717669 C	T	T	27 0,27	C	12 12,0	NYMOUS_ CODING NON_SYNO	Gta/Ata	Seita.5G356700
Chr.5	39726354 G	A	A	26 0,26	G	22 22,0	NYMOUS_ CODING	cGa/cAa	Seita.5G356900

Chr.5	39726847	A	C	C	24 0,24	A	21 21,0	NON_SYNO NYMOUS_ CODING	cAg/cCg	Seita.5G356900
Chr.5	39728275	G	T	T	28 0,28	G CCAG,CC	19 19,0	SPLICE_SIT E_REGION CODON_DE	EXON_ID=10	Seita.5G356900
Chr.5	39734734	CCAG	C	C,C	17 0,17	AG	17 17,0	LETION NON_SYNO NYMOUS_ CODING	cag/	Seita.5G357000
Chr.5	39734880	T	G	G	21 0,21	T	16 16,0	NON_SYNO NYMOUS_ CODING	tTc/tGc	Seita.5G357000
Chr.5	39735009	A	G	G	30 0,30	A	14 14,0	NON_SYNO NYMOUS_ CODING	aAc/aGc	Seita.5G357000
Chr.5	39747991	G	A	A	23 0,23	G	15 15,0	NON_SYNO NYMOUS_ CODING	Gcc/Acc	Seita.5G357300
Chr.5	39748015	G	T	T	27 0,27	G	14 14,0	NON_SYNO NYMOUS_ CODING	Gcc/Tcc	Seita.5G357300
Chr.5	39748108	T	C	C	28 0,28	T	17 17,0	NON_SYNO NYMOUS_ CODING	Tca/Cca	Seita.5G357300
Chr.5	39748112	C	T	T	28 0,28	C	16 16,0	NON_SYNO NYMOUS_ CODING	gCg/gTg	Seita.5G357300
Chr.5	39748574	C	T	T	23 0,23	C	19 19,0	NON_SYNO NYMOUS_ CODING	aCg/aTg	Seita.5G357300
Chr.5	39751524	G	A	A	37 0,37	G	18 18,0	NON_SYNO NYMOUS_ CODING	gGc/gAc	Seita.5G357400
Chr.5	39752222	G	A	R	14 12,2	G	7 7,0	NON_SYNO NYMOUS_ CODING	gGc/gAc	Seita.5G357400

Chr.5	39752639 A	T	T	26 0,26	A	19 19,0	NON_SYNO NYMOUS_ CODING cAc/cTc NON_SYNO	Seita.5G357400
Chr.5	39753350 A	G	G	37 0,37	A	15 15,0	NON_SYNO NYMOUS_ CODING cAc/cGc NON_SYNO	Seita.5G357500
Chr.5	39753433 C	G,A	A	33 0,0,33	C	13 13,0,0	NON_SYNO NYMOUS_ CODING Ccc/Acc NON_SYNO	Seita.5G357500
Chr.5	39753509 T	C	C	27 0,27	T	19 19,0	NON_SYNO NYMOUS_ CODING cTg/cCg NON_SYNO	Seita.5G357500
Chr.5	39753524 C	T	T	31 0,31	C	17 17,0	NON_SYNO NYMOUS_ CODING gCc/gTc NON_SYNO	Seita.5G357500
Chr.5	39753526 A	G	G	31 0,31	A	18 18,0	NON_SYNO NYMOUS_ CODING Aac/Gac NON_SYNO	Seita.5G357500
Chr.5	39753694 C	T	T	28 0,28	C	13 13,0	NON_SYNO NYMOUS_ CODING Cgc/Tgc NON_SYNO	Seita.5G357500
Chr.5	39753704 A	G	G	24 0,24	A	14 14,0	NON_SYNO NYMOUS_ CODING cAa/cGa NON_SYNO	Seita.5G357500
Chr.5	39753718 G	A	A	24 0,24	G	15 15,0	NON_SYNO NYMOUS_ CODING Gac/Aac NON_SYNO	Seita.5G357500
Chr.5	39753724 G	A	A	24 0,24	G	16 16,0	NON_SYNO NYMOUS_ CODING Gag/Aag STOP_GAIN	Seita.5G357500
Chr.5	39753755 G	A	A	24 0,24	G	17 17,0	NON_SYNO ED tGg/tAg NON_SYNO	Seita.5G357500
Chr.5	39755376 T	C	C	32 0,32	T	18 18,0	NON_SYNO NYMOUS_ CODING tAc/tGc	Seita.5G357600

Chr.5	39756447	A	C	C	26 0,26	A	15 15,0	NON_SYNO NYMOUS_ CODING Tca/Gca NON_SYNO NYMOUS_ CODING Aac/Gac	Seita.5G357600
Chr.5	39756522	T	C	C	20 0,20	T	13 13,0	NON_SYNO NYMOUS_ CODING Aac/Gac	Seita.5G357600
Chr.5	39761522	AGCT GCTG CTGC T	A	A,A	29 0,29	AGCTGCT GCTGCT, AGCTGCT GCTGCT	15 15,0	CODON_CH ANGE_PLU S_CODON_ cagcagcagcagctt/ DELETION ctt	Seita.5G357700
Chr.5	39763249	A	G	G	17 0,17	A	5 5,0	SPLICE_SIT E_REGION EXON_ID=7 NON_SYNO NYMOUS_ CODING Atg/Ctg NON_SYNO NYMOUS_ CODING Acc/Gcc	Seita.5G357800
Chr.5	39764586	T	G	T	32 32,0	G	27 0,27	NON_SYNO NYMOUS_ CODING Atg/Ctg NON_SYNO NYMOUS_ CODING Acc/Gcc	Seita.5G357800
Chr.5	39765153	T	C	C	35 0,35	T	24 24,0	NON_SYNO NYMOUS_ CODING Acc/Gcc	Seita.5G357800
Chr.5	39779867	G	A	A	22 0,22	G	15 15,0	NON_SYNO NYMOUS_ CODING gCg/gTg	Seita.5G358100
Chr.5	39780634	G	A	A	19 0,19	G	20 20,0	SPLICE_SIT E_REGION EXON_ID=7	Seita.5G358100
Chr.5	39781514	A	G	G	26 0,26	A	13 13,0	SPLICE_SIT E_REGION EXON_ID=5 SPLICE_SIT E_ACCEPT OR EXON_ID=5 NON_SYNO NYMOUS_ CODING gTt/gGt	Seita.5G358100
Chr.5	39781609	C	A	A	19 0,19	C	23 23,0	NON_SYNO NYMOUS_ CODING gTt/gGt	Seita.5G358100
Chr.5	39782933	A	C	C	26 0,26	A	20 20,0	NON_SYNO NYMOUS_ CODING gTt/gGt	Seita.5G358100

Chr.5	39783047 G	A	A TTCTC	24 0,24	G	14 14,0	NON_SYNO NYMOUS_ CODING	cCa/cTa	Seita.5G358100
Chr.5	39791965 T	TG	TTCTCT TTG,T TCTCT	28 0,28	T,T	19 19,0	SPLICE_SIT E_REGION EXON_ID=5 NON_SYNO NYMOUS_ CODING	gCc/gTc	Seita.5G358200
Chr.5	39796388 G	A	A	17 0,17	G	15 15,0	NON_SYNO NYMOUS_ CODING	Gtg/Atg	Seita.5G358300
Chr.9	7465764 G	A	A	40 0,40	G	14 14,0	NON_SYNO NYMOUS_ CODING	Gcg/Tcg	Seita.9G120100
Chr.9	7468582 C	A	A	19 0,19	C	22 22,0	NON_SYNO NYMOUS_ CODING	gCg/gTg	Seita.9G120300
Chr.9	7470339 G	A	A	17 0,17	G	20 20,0	NON_SYNO NYMOUS_ CODING	aAc/aCc	Seita.9G120300
Chr.9	7472734 A	C	C	26 0,26	A	19 19,0	NON_SYNO NYMOUS_ CODING		Seita.9G120400
Chr.9	7473670 A	G	G	23 0,23	A	24 24,0	SPLICE_SIT E_REGION EXON_ID=2		Seita.9G120400
Chr.9	7476015 T	A	A	24 1,23	T	16 16,0	SPLICE_SIT E_REGION EXON_ID=8 NON_SYNO NYMOUS_ CODING	gAc/gCc	Seita.9G120400
Chr.9	7480796 A	C	C	21 0,21	A	9 9,0	NON_SYNO NYMOUS_ CODING	gaC/gaA	Seita.9G120500
Chr.9	7480797 C	A	A	21 0,21	C	9 9,0	NON_SYNO NYMOUS_ CODING	aAg/aGg	Seita.9G120500
Chr.9	7480820 A	G	G	22 0,22	A	9 9,0	NON_SYNO NYMOUS_ CODING		

Chr.9	7481664 C	A	A	30 0,30	C	15 15,0	NON_SYNO NYMOUS_ CODING Gca/Tca NON_SYNO	Seita.9G120600
Chr.9	7481937 G	T	T	26 0,26	G	18 18,0	NON_SYNO NYMOUS_ CODING Cag/Aag START_GAI	Seita.9G120600
Chr.9	7483108 T	A	A	35 0,35	T	20 20,0	NED EXON_ID=1 NON_SYNO	Seita.9G120600
Chr.9	7494571 A	C	C	16 0,16	A	15 15,0	NON_SYNO NYMOUS_ CODING cAg/cCg NON_SYNO	Seita.9G120700
Chr.9	7513190 T	G	G	23 1,22	T	24 24,0	NON_SYNO NYMOUS_ CODING gTg/gGg NON_SYNO	Seita.9G121000
Chr.9	7515379 A	G	G	18 0,18	A	19 19,0	NON_SYNO NYMOUS_ CODING Tac/Cac NON_SYNO	Seita.9G121200
Chr.9	7515416 A	T	T	21 0,21	A	17 17,0	NON_SYNO NYMOUS_ CODING agT/agA NON_SYNO	Seita.9G121200
Chr.9	7521183 G	A	A	26 0,26	G	23 23,0	NON_SYNO NYMOUS_ CODING Ggc/Agc NON_SYNO	Seita.9G121300
Chr.9	7521306 G	T	T	25 0,25	G	22 22,0	NON_SYNO NYMOUS_ CODING Gct/Tct	Seita.9G121300
Chr.9	7523129 G	T	T	16 0,16	G	12 12,0	SPLICE_SIT E_REGION EXON_ID=2 NON_SYNO	Seita.9G121300
Chr.9	7525247 C	A	A	23 0,23	C	16 16,0	NON_SYNO NYMOUS_ CODING aCc/aAc NON_SYNO	Seita.9G121400
Chr.9	7525259 A	T	T	24 0,24	A	18 18,0	NON_SYNO NYMOUS_ CODING cAt/cTt	Seita.9G121400

Chr.9	7525345 C	A	A	23 0,23	C	21 21,0	NON_SYNO NYMOUS_ CODING Cgc/Agc NON_SYNO	Seita.9G121400
Chr.9	7525568 T	C	C	29 0,29	T	25 25,0	NON_SYNO NYMOUS_ CODING tTc/tCc NON_SYNO	Seita.9G121400
Chr.9	7534070 A	G	G	32 0,32	A	21 21,0	NON_SYNO NYMOUS_ CODING Aat/Gat NON_SYNO	Seita.9G121500
Chr.9	7543585 A	G	G	30 0,30	A	23 23,0	NON_SYNO NYMOUS_ CODING Atg/Gtg NON_SYNO	Seita.9G121600
Chr.9	7548061 T	C	C	33 0,33	T	20 20,0	NON_SYNO NYMOUS_ CODING Aca/Gca NON_SYNO	Seita.9G121700
Chr.9	7548280 C	T	T	33 0,33	C	24 24,0	NON_SYNO NYMOUS_ CODING Gtg/Atg START_GAI	Seita.9G121700
Chr.9	7548400 G	C	C	30 0,30	G	22 22,0	NED EXON_ID=1 NON_SYNO	Seita.9G121700
Chr.9	7549886 C	T	T	24 0,24	C	13 13,0	NON_SYNO NYMOUS_ CODING Ctc/Ttc NON_SYNO	Seita.9G121900
Chr.9	7551455 T	A	A	22 0,22	T	24 24,0	NON_SYNO NYMOUS_ CODING Atg/Ttg NON_SYNO	Seita.9G122000
Chr.9	7554355 T	C	C	25 0,25	T	21 21,0	NON_SYNO NYMOUS_ CODING Atc/Gtc NON_SYNO	Seita.9G122000
Chr.9	7556114 T	C	C	20 0,20	T	21 21,0	NON_SYNO NYMOUS_ CODING Atc/Gtc NON_SYNO	Seita.9G122100
Chr.9	7556273 C	T	T	29 0,29	C	13 13,0	NON_SYNO NYMOUS_ CODING Ggc/Agc	Seita.9G122100

Chr.9	7574307 A	G	G	27 0,27	A	12 12,0	NON_SYNO NYMOUS_ CODING gTc/gCc NON_SYNO	Seita.9G122400
Chr.9	7574370 G	T	K	34 6,28	G	13 13,0	NON_SYNO NYMOUS_ CODING gCa/gAa NON_SYNO	Seita.9G122400
Chr.9	7574382 C	A	M	33 27,6	C	15 15,0	NON_SYNO NYMOUS_ CODING aGc/aTc START_LO	Seita.9G122400
Chr.9	7575191 T	C	C	27 0,27	T	23 23,0	NON_SYNO NYMOUS_ ST aTg/aCg NON_SYNO	Seita.9G122500
Chr.9	7575236 T	A	A	25 0,25	T	21 21,0	NON_SYNO NYMOUS_ CODING aTg/aAg NON_SYNO	Seita.9G122500
Chr.9	7594983 T	G	G	29 0,29	T	14 14,0	NON_SYNO NYMOUS_ CODING gaT/gaG NON_SYNO	Seita.9G122600
Chr.9	7595188 G	C	C	20 0,20	G	25 25,0	NON_SYNO NYMOUS_ CODING gGt/gCt NON_SYNO	Seita.9G122600
Chr.9	7595196 C	A	A	20 0,20	C	24 24,0	NON_SYNO NYMOUS_ CODING Cta/Ata NON_SYNO	Seita.9G122600
Chr.9	7595262 C	A	A	22 0,22	C	31 31,0	NON_SYNO NYMOUS_ CODING Ctc/Atc NON_SYNO	Seita.9G122600
Chr.9	7595464 T	C	C	29 0,29	T	19 19,0	NON_SYNO NYMOUS_ CODING Tgc/Cgc NON_SYNO	Seita.9G122600
Chr.9	7595521 G	A	A	28 0,28	G	13 13,0	NON_SYNO NYMOUS_ CODING Ggt/Agt	Seita.9G122600
Chr.9	7595646 A	C	C	32 0,32	A	19 19,0	SPLICE_SIT E_REGION EXON_ID=7	Seita.9G122600

Chr.9	7595701 G	A	A	40 0,40	G	17 17,0	NON_SYNO NYMOUS_ CODING NON_SYNO	Gta/Ata	Seita.9G122600
Chr.9	7599208 A	G	G	21 0,21	A	24 24,0	NON_SYNO NYMOUS_ CODING NON_SYNO	Atg/Gtg	Seita.9G122700
Chr.9	7599231 C	G	G	21 0,21	C	22 22,0	NON_SYNO NYMOUS_ CODING	atC/atG	Seita.9G122700
Chr.9	7600664 A	C	C	24 0,24	A	22 22,0	SPLICE_SIT E_REGION NON_SYNO	EXON_ID=6	Seita.9G122700
Chr.9	7600851 T	A	A	21 0,21	T	25 25,0	NON_SYNO NYMOUS_ CODING NON_SYNO	Tca/Aca	Seita.9G122700
Chr.9	7611443 G	A	A	30 0,30	G	17 17,0	NON_SYNO NYMOUS_ CODING NON_SYNO	Gtt/Att	Seita.9G122900
Chr.9	7654742 C	T	T	32 0,32	C	15 15,0	NON_SYNO NYMOUS_ CODING NON_SYNO	Gtt/Att	Seita.9G123100
Chr.9	7656725 G	A	A	13 0,13	G	13 13,0	NON_SYNO NYMOUS_ CODING	gCg/gTg	Seita.9G123100
Chr.9	7664903 G	T	T	20 0,20	G	24 24,0	SPLICE_SIT E_REGION NON_SYNO	EXON_ID=11	Seita.9G123200
Chr.9	7671554 T	C	C	23 0,23	T	16 16,0	NON_SYNO NYMOUS_ CODING	Tcc/Ccc	Seita.9G123300
Chr.9	7716856 G	C	C	35 0,35	G	13 13,0	SPLICE_SIT E_REGION NON_SYNO	EXON_ID=5	Seita.9G123600
Chr.9	7754611 T	C	C	27 0,27	T	18 18,0	NON_SYNO NYMOUS_ CODING	Atc/Gtc	Seita.9G123700

Chr.9	7766978 G	A	A	23 0,23	G	21 21,0	SPLICE_SIT E_REGION EXON_ID=3 NON_SYNO	Seita.9G123800
Chr.9	7767412 G	A	A	26 0,26	G	20 20,0	NYMOUS_ CODING aCg/aTg NON_SYNO	Seita.9G123800
Chr.9	7770131 C	T	T	26 0,26	C	18 18,0	NYMOUS_ CODING cGa/cAa NON_SYNO	Seita.9G123900
Chr.9	7770942 G	T	T	18 0,18	G	15 15,0	NYMOUS_ CODING Ctc/Atc NON_SYNO	Seita.9G123900
Chr.9	7771417 A	C	C	27 0,27	A	24 24,0	NYMOUS_ CODING caT/caG NON_SYNO	Seita.9G123900
Chr.9	7772042 T	C	C	28 0,28	T	25 25,0	NYMOUS_ CODING Acc/Gcc NON_SYNO	Seita.9G123900
Chr.9	7776196 A	T	T	27 0,27	A	12 12,0	NYMOUS_ CODING cAt/cTt NON_SYNO	Seita.9G124100
Chr.9	7777480 A	G	G	32 0,32	A	24 24,0	NYMOUS_ CODING Ata/Gta NON_SYNO	Seita.9G124100
Chr.9	7777694 A	G	G	27 0,27	A	27 27,0	NYMOUS_ CODING aAa/aGa NON_SYNO	Seita.9G124100
Chr.9	7778257 G	A	A	25 0,25	G	20 20,0	NYMOUS_ CODING Gat/Aat NON_SYNO	Seita.9G124100
Chr.9	7790821 T	A	A	27 0,27	T	14 14,0	NYMOUS_ CODING Aca/Tca NON_SYNO	Seita.9G124500
Chr.9	7792622 T	C	C	28 0,28	T	24 24,0	NYMOUS_ CODING cAc/cGc	Seita.9G124500

Chr.9	7793480 C	A	A	24 0,24	C	16 16,0	NON_SYNO NYMOUS_ CODING cCc/cAc NON_SYNO	Seita.9G124600
Chr.9	7793519 G	C	C	24 0,24	G	15 15,0	NON_SYNO NYMOUS_ CODING cGc/cCc NON_SYNO	Seita.9G124600
Chr.9	7793607 A	G	G	23 0,23	A	15 15,0	NON_SYNO NYMOUS_ CODING gAg/gGg NON_SYNO	Seita.9G124600
Chr.9	7794145 T	G	G	28 0,28	T	20 20,0	NON_SYNO NYMOUS_ CODING cTg/cGg NON_SYNO	Seita.9G124600
Chr.9	7794760 G	C	C	25 0,25	G	21 21,0	NON_SYNO NYMOUS_ CODING aGa/aCa STOP_GAIN	Seita.9G124600
Chr.9	7794809 G	A	A	24 0,24	G	20 20,0	ED tgG/tgA STOP_GAIN	Seita.9G124600
Chr.9	7795866 C	T	T	16 0,16	C	23 23,0	ED tGg/tAg NON_SYNO	Seita.9G124700
Chr.9	7796298 T	C	C	5 0,5	T	12 12,0	NON_SYNO NYMOUS_ CODING Att/Gtt NON_SYNO	Seita.9G124700
Chr.9	7796369 C	G	G	13 0,13	C	10 10,0	NON_SYNO NYMOUS_ CODING Gac/Cac NON_SYNO	Seita.9G124700
Chr.9	7796384 C	T	T	16 0,16	C	10 10,0	NON_SYNO NYMOUS_ CODING Gag/Aag NON_SYNO	Seita.9G124700
Chr.9	7796420 C	T	T	19 0,19	C	10 10,0	NON_SYNO NYMOUS_ CODING Ggg/Agg	Seita.9G124700
Chr.9	7798576 C	T	T	21 0,21	C	19 19,0	SPLICE_SIT E_REGION EXON_ID=3	Seita.9G124700

Chr.9	7798742 G	T	T	25 0,25	G	13 13,0	NON_SYNO NYMOUS_ CODING gaC/gaA NON_SYNO	Seita.9G124700
Chr.9	7799358 C	T	T	16 0,16	C	19 19,0	NON_SYNO NYMOUS_ CODING aGg/aAg NON_SYNO	Seita.9G124700
Chr.9	7799451 T	G	K	11 8,3	T	11 11,0	NON_SYNO NYMOUS_ CODING aAg/aCg NON_SYNO	Seita.9G124700
Chr.9	7800289 A	G	G	17 0,17	A	21 21,0	NON_SYNO NYMOUS_ CODING gTc/gCc START_GAI	Seita.9G124800
Chr.9	7804177 T	G	G	27 0,27	T	23 23,0	NED EXON_ID=1 NON_SYNO	Seita.9G124900
Chr.9	7817308 A	G	G	17 0,17	A	15 15,0	NON_SYNO NYMOUS_ CODING aAa/aGa NON_SYNO	Seita.9G125100
Chr.9	7819016 A	C	C	32 0,32	A	25 25,0	NON_SYNO NYMOUS_ CODING cAt/cCt NON_SYNO	Seita.9G125100
Chr.9	7819179 A	T	T	26 0,26	A	21 21,0	NON_SYNO NYMOUS_ CODING caA/caT NON_SYNO	Seita.9G125100
Chr.9	7819294 G	A	A	33 0,33	G	18 18,0	NON_SYNO NYMOUS_ CODING Gcc/Acc	Seita.9G125100
Chr.9	7819627 C	T	T	26 0,26	C	16 16,0	SPLICE_SIT E_REGION EXON_ID=6 NON_SYNO	Seita.9G125100
Chr.9	7819783 G	A	A	20 0,20	G	12 12,0	NON_SYNO NYMOUS_ CODING aGt/aAt NON_SYNO	Seita.9G125100
Chr.9	7819958 T	C	C	26 0,26	T	28 28,0	NON_SYNO NYMOUS_ CODING Tct/Cct	Seita.9G125100

Chr.9	7829523 C	A	A	37 0,37	C	7 7,0	START_GAI NED EXON_ID=1	Seita.9G125200
Chr.9	7836723 G	T	T	11 0,11	G	26 26,0	START_GAI NED EXON_ID=1	Seita.9G125300
Chr.9	7838546 C	T	T	15 0,15	C	20 20,0	NON_SYNO NYMOUS_ CODING Cac/Tac	Seita.9G125300
Chr.9	7838708 C	G	G	23 0,23	C	21 21,0	NON_SYNO NYMOUS_ CODING Cag/Gag	Seita.9G125300
Chr.9	7840527 G	C	C	28 0,28	G	22 22,0	NON_SYNO NYMOUS_ CODING Gaa/Caa	Seita.9G125300
Chr.9	7847254 C	G	G	30 0,30	C	13 13,0	NON_SYNO NYMOUS_ CODING Cct/Gct	Seita.9G125400
Chr.9	7847559 G	T	T	30 0,30	G	21 21,0	NON_SYNO NYMOUS_ CODING atG/atT	Seita.9G125400
Chr.9	7847907 G	C	C	24 0,24	G	22 22,0	NON_SYNO NYMOUS_ CODING tGg/tCg	Seita.9G125400
Chr.9	7849519 A	T	T	21 0,21	A	11 11,0	NON_SYNO NYMOUS_ CODING gAg/gTg	Seita.9G125500
Chr.9	7861452 G	T	T	22 0,22	G	14 14,0	NON_SYNO NYMOUS_ CODING aGc/aTc	Seita.9G125800
Chr.9	7861721 T	G	T	30 30,0	G	20 0,20	NON_SYNO NYMOUS_ CODING Tgt/Ggt	Seita.9G125800
Chr.9	7861797 C	G	G	29 0,29	C	16 16,0	NON_SYNO NYMOUS_ CODING cCg/cGg	Seita.9G125800

Chr.9	7863030 G	A	A	38 0,38	G	12 12,0	NON_SYNO NYMOUS_ CODING cCa/cTa NON_SYNO	Seita.9G125900
Chr.9	7867661 C	A	A	27 0,27	C	25 25,0	NON_SYNO NYMOUS_ CODING gGg/gTg NON_SYNO	Seita.9G126000
Chr.9	7867662 C	T	T	26 0,26	C	25 25,0	NON_SYNO NYMOUS_ CODING Ggg/Agg NON_SYNO	Seita.9G126000
Chr.9	7867779 C	T	T	19 0,19	C	24 24,0	NON_SYNO NYMOUS_ CODING Gag/Aag NON_SYNO	Seita.9G126000
Chr.9	7867929 A	C	A	30 30,0	C	16 0,16	NON_SYNO NYMOUS_ CODING Tac/Gac NON_SYNO	Seita.9G126000
Chr.9	7867994 C	T	T	29 0,29	C	14 14,0	NON_SYNO NYMOUS_ CODING cGc/cAc NON_SYNO	Seita.9G126000
Chr.9	7868255 G	T	T	21 0,21	G	13 13,0	NON_SYNO NYMOUS_ CODING gCt/gAt NON_SYNO	Seita.9G126000
Chr.9	7868434 G	A	A	23 0,23	G	11 11,0	NON_SYNO NYMOUS_ CODING cCg/cTg NON_SYNO	Seita.9G126000
Chr.9	7868722 G	A	A	28 0,28	G	11 11,0	NON_SYNO NYMOUS_ CODING tCc/tTc NON_SYNO	Seita.9G126000
Chr.9	7869332 G	A	G	24 24,0	A	15 0,15	NON_SYNO NYMOUS_ CODING gCg/gTg NON_SYNO	Seita.9G126100
Chr.9	7869760 C	A	A	25 0,25	C	18 18,0	NON_SYNO NYMOUS_ CODING aaG/aaT NON_SYNO	Seita.9G126100
Chr.9	7869836 G	C	G	23 23,0	C	19 0,19	NON_SYNO NYMOUS_ CODING aCt/aGt	Seita.9G126100

Chr.9	7870068 G	A	A	30 0,30	G	10 10,0	NON_SYNO NYMOUS_ CODING Cca/Tca NON_SYNO	Seita.9G126100
Chr.9	7870273 G	A	A	23 0,23	G	13 13,0	NON_SYNO NYMOUS_ CODING aCt/aTt NON_SYNO	Seita.9G126100
Chr.9	7870327 G	A	A	24 0,24	G	14 14,0	NON_SYNO NYMOUS_ CODING gCg/gTg NON_SYNO	Seita.9G126100
Chr.9	7874496 C	A	C	24 24,0	A	17 0,17	NON_SYNO NYMOUS_ CODING aCt/aAt NON_SYNO	Seita.9G126200
Chr.9	7881282 G	C	C	28 0,28	G	19 19,0	NON_SYNO NYMOUS_ CODING gaC/gaG NON_SYNO	Seita.9G126300
Chr.9	7881635 A	C	A	20 20,0	C	20 0,20	NON_SYNO NYMOUS_ CODING Tct/Gct	Seita.9G126300
Chr.9	7888464 T	C	C	18 0,18	T	15 15,0	SPLICE_SIT E_REGION EXON_ID=1 NON_SYNO	Seita.9G126400
Chr.9	7905428 A	T	T	25 0,25	A	17 17,0	NON_SYNO NYMOUS_ CODING Atg/Ttg NON_SYNO	Seita.9G126500
Chr.9	7910577 G	T	G	26 26,0	T	19 0,19	NON_SYNO NYMOUS_ CODING aaG/aaT NON_SYNO	Seita.9G126600
Chr.9	7910779 G	C	C	23 0,23	G	12 12,0	NON_SYNO NYMOUS_ CODING Gcg/Ccg NON_SYNO	Seita.9G126600
Chr.9	7910783 T	A	A	24 0,24	T	12 12,0	NON_SYNO NYMOUS_ CODING cTa/cAa NON_SYNO	Seita.9G126600
Chr.9	7916596 G	C	G	14 14,0	C	7 0,7	NON_SYNO NYMOUS_ CODING cGg/cCg	Seita.9G126700

Chr.9	7920873 T	C	C	23 0,23	T	17 17,0	NON_SYNO NYMOUS_ CODING cAg/cGg NON_SYNO	Seita.9G126800
Chr.9	7922509 C	G	C	27 27,0	G	19 0,19	NON_SYNO NYMOUS_ CODING gaG/gaC NON_SYNO	Seita.9G126900
Chr.9	7941859 G	A	G	25 25,0	A	22 0,22	NON_SYNO NYMOUS_ CODING cCg/cTg NON_SYNO	Seita.9G127000
Chr.9	7941960 G	T	G	21 21,0	T	11 0,11	NON_SYNO NYMOUS_ CODING gaC/gaA	Seita.9G127000
Chr.9	7961830 A	T	T	20 0,20	A	21 21,0	SPLICE_SIT E_REGION EXON_ID=7	Seita.9G127300
Chr.9	7962292 C	G	C	29 29,0	G	11 0,11	SPLICE_SIT E_REGION EXON_ID=6 NON_SYNO	Seita.9G127300
Chr.9	7962762 A	T	T	35 0,35	A	17 17,0	NON_SYNO NYMOUS_ CODING Ttc/Atc NON_SYNO	Seita.9G127300
Chr.9	7962884 G	A	G	29 29,0	A	17 0,17	NON_SYNO NYMOUS_ CODING gCg/gTg NON_SYNO	Seita.9G127300
Chr.9	7963048 C	G	G	29 0,29	C	16 16,0	NON_SYNO NYMOUS_ CODING atG/atC NON_SYNO	Seita.9G127300
Chr.9	7964735 T	C	T	21 21,0	C	13 0,13	NON_SYNO NYMOUS_ CODING Ata/Gta NON_SYNO	Seita.9G127300
Chr.9	7964740 G	T	T	21 0,21	G	14 14,0	NON_SYNO NYMOUS_ CODING cCg/cAg NON_SYNO	Seita.9G127300
Chr.9	7965229 C	T	T	32 0,32	C	11 11,0	NON_SYNO NYMOUS_ CODING Gat/Aat	Seita.9G127300

Chr.9	7965264 C	G	G	26 0,26	C	18 18,0	NON_SYNO NYMOUS_ CODING tGt/tCt NON_SYNO NYMOUS_ CODING	Aaa/Gaa	Seita.9G127300
Chr.9	7967423 T	C	C	25 0,25	T	13 13,0	SPLICE_SIT E_REGION EXON_ID=3 START_GAI NED EXON_ID=1 NON_SYNO NYMOUS_ CODING	Ggg/Agg	Seita.9G127400
Chr.9	7972077 T	C	T	25 25,0	C	19 0,19	NON_SYNO NYMOUS_ CODING	aCg/aTg	Seita.9G127500
Chr.9	7973505 C	A	C	18 18,0	A	10 0,10	NON_SYNO NYMOUS_ CODING	cGt/cAt	Seita.9G127500
Chr.9	7975649 C	T	T	26 0,26	C	21 21,0	NON_SYNO NYMOUS_ CODING	gAg/gTg	Seita.9G127500
Chr.9	7975954 G	A	G	27 27,0	A	27 0,27	NON_SYNO NYMOUS_ CODING	Tcg/Ccg	Seita.9G127600
Chr.9	7976317 C	T	T	23 0,23	C	15 15,0	NON_SYNO NYMOUS_ CODING	caT/caA	Seita.9G127600
Chr.9	7979785 T	A	A	26 0,26	T	17 17,0	NON_SYNO NYMOUS_ CODING	Agc/Tgc	Seita.9G127600
Chr.9	7982416 A	G	G	20 0,20	A	19 19,0	NON_SYNO NYMOUS_ CODING	Acg/Gcg	Seita.9G127600
Chr.9	7984467 A	T	A	15 15,0	T	22 0,22	NON_SYNO NYMOUS_ CODING		
Chr.9	7984607 T	A	T	20 20,0	A	18 0,18	NON_SYNO NYMOUS_ CODING		
Chr.9	7985438 T	C	C	17 0,17	T	10 10,0	NON_SYNO NYMOUS_ CODING		

Chr.9	7985510 T	A	A	18 0,18	T	19 19,0	NON_SYNO NYMOUS_ CODING Aat/Tat	Seita.9G127600
Chr.9	7986350 G	A	G	29 29,0	A	20 0,20	NON_SYNO NYMOUS_ CODING gCg/gTg	Seita.9G127600
