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Supplementary Table 1

Pairs of TCs

Supplementary Table 2

Important scores TCs

Supplementary Table 1. Pairs of TCs		
TC# Primary Data set	TC# Secondary Data set	Absolute correlation score
TC109	TC97	0.972644259
TC80	TC50	0.971223134
TC81	TC98	0.970003356
TC21	TC54	0.967611097
TC47	TC37	0.965393738
TC159	TC102	0.965217833
TC18	TC15	0.964799194
TC10	TC4	0.963040974
TC39	TC29	0.962584045
TC123	TC121	0.96114359
TC118	TC32	0.9609747
TC129	TC103	0.960766561
TC135	TC198	0.959555427
TC140	TC159	0.959283573
TC121	TC53	0.958930611
TC77	TC62	0.958806325
TC22	TC17	0.958102631
TC91	TC28	0.958082013
TC128	TC118	0.957323453
TC138	TC73	0.956780284
TC12	TC21	0.955742013
TC108	TC173	0.954396177
TC26	TC6	0.954089432
TC111	TC58	0.954069892
TC110	TC60	0.952281274
TC196	TC158	0.952108295
TC33	TC52	0.951824938
TC101	TC84	0.950797836
TC76	TC75	0.949947937
TC102	TC5	0.94931055
TC20	TC71	0.948554437
TC40	TC46	0.947715221
TC59	TC66	0.947690805
TC82	TC44	0.947512595
TC27	TC56	0.947088933
TC60	TC34	0.94692692
TC79	TC47	0.94670131
TC4	TC24	0.945954482
TC95	TC67	0.945898961
TC32	TC23	0.945240282
TC41	TC42	0.944755334
TC87	TC116	0.944594355
TC115	TC124	0.943372511
TC172	TC110	0.943230188
TC34	TC22	0.942375268
TC94	TC117	0.941984883
TC173	TC107	0.939479453
TC75	TC61	0.939466242
TC145	TC156	0.93818073
TC160	TC132	0.938076733
TC24	TC36	0.935851188
TC53	TC31	0.93557428
TC83	TC78	0.935482625
TC45	TC90	0.934915344
TC25	TC30	0.93471767

TC54	TC10	0.933912353
TC106	TC120	0.933662515
TC17	TC19	0.933550755
TC7	TC38	0.932752131
TC5	TC35	0.932730539
TC88	TC129	0.932684108
TC99	TC149	0.93241623
TC103	TC119	0.932052076
TC9	TC8	0.931355169
TC29	TC11	0.93130402
TC70	TC106	0.930967916
TC113	TC155	0.930605046
TC176	TC196	0.930367405
TC98	TC133	0.930279986
TC57	TC18	0.929929503
TC150	TC111	0.929844942
TC52	TC1	0.929714256
TC1	TC7	0.929429372
TC144	TC105	0.928832149
TC55	TC13	0.928757368
TC124	TC88	0.927898671
TC46	TC41	0.92762644
TC42	TC104	0.925825175
TC143	TC134	0.924923937
TC156	TC143	0.924907515
TC189	TC128	0.924647045
TC30	TC113	0.924630248
TC96	TC49	0.924227098
TC163	TC109	0.923758211
TC107	TC148	0.923512008
TC68	TC91	0.923172115
TC35	TC40	0.922829287
TC31	TC63	0.92254271
TC180	TC92	0.922028447
TC61	TC65	0.920806915
TC125	TC86	0.920501315
TC48	TC70	0.92048056
TC49	TC59	0.920010588
TC69	TC3	0.91996245
TC202	TC157	0.919911712
TC97	TC87	0.919600274
TC122	TC188	0.919558986
TC133	TC96	0.917979508
TC65	TC57	0.917961221
TC44	TC48	0.917195356
TC2	TC33	0.917050838
TC127	TC215	0.916935778
TC36	TC100	0.916488497
TC16	TC25	0.916454086
TC58	TC72	0.915015344
TC14	TC114	0.914856876
TC139	TC164	0.91331495
TC19	TC26	0.913177476
TC186	TC140	0.913067711
TC149	TC160	0.913052761
TC66	TC79	0.912606825
TC142	TC137	0.912294091
TC28	TC20	0.912205125
TC11	TC101	0.911825597

TC117	TC99	0.911327239
TC130	TC187	0.910686841
TC155	TC127	0.910676732
TC74	TC74	0.91055956
TC15	TC27	0.909879608
TC13	TC14	0.909843762
TC218	TC161	0.908962033
TC84	TC85	0.907933835
TC63	TC9	0.907657843
TC179	TC178	0.907036855
TC165	TC180	0.906470808
TC171	TC176	0.904526121
TC182	TC181	0.902984834
TC198	TC171	0.902113073
TC195	TC184	0.901947451
TC50	TC69	0.901933931
TC38	TC55	0.901580348
TC90	TC145	0.901256612
TC178	TC183	0.900437096
TC185	TC192	0.900356667
TC64	TC43	0.899110946
TC100	TC81	0.898671926
TC67	TC82	0.898090347
TC72	TC122	0.898062443
TC78	TC64	0.897734451
TC6	TC2	0.896626164
TC161	TC191	0.895680751
TC85	TC94	0.893684489
TC43	TC209	0.893588437
TC104	TC80	0.892866035
TC169	TC153	0.892736035
TC147	TC169	0.890854142
TC137	TC83	0.889781806
TC8	TC45	0.889461722
TC73	TC76	0.889035211
TC23	TC12	0.888335258
TC105	TC123	0.888135494
TC148	TC162	0.887458969
TC119	TC93	0.886609395
TC183	TC182	0.886004034
TC164	TC179	0.885649335
TC126	TC200	0.884597275
TC56	TC126	0.88451894
TC213	TC206	0.884086161
TC3	TC51	0.882547895
TC177	TC195	0.880489312
TC194	TC207	0.880407312
TC215	TC217	0.878398103
TC116	TC152	0.874914915
TC112	TC77	0.8748116
TC89	TC68	0.873278958
TC168	TC146	0.871777953
TC132	TC142	0.870826388
TC92	TC39	0.868503483
TC157	TC224	0.866492549
TC114	TC163	0.866347476
TC37	TC89	0.866315953
TC152	TC216	0.863595777
TC71	TC125	0.863003272

TC93	TC151	0.858793178
TC131	TC112	0.852661985
TC134	TC177	0.850288165
TC51	TC16	0.849950718
TC151	TC205	0.848851972
TC204	TC218	0.848506865
TC153	TC115	0.848154102
TC136	TC141	0.847134277
TC170	TC172	0.84635837
TC154	TC201	0.843234049
TC191	TC210	0.840205835
TC212	TC231	0.840035633
TC181	TC212	0.828979636
TC62	TC131	0.828357471
TC141	TC147	0.821963527
TC199	TC228	0.801209881
TC146	TC135	0.733438937
TC208	TC185	0.70488951

Supplementary Table 2. Important scores TCs

Stage 2 Primary		Stage 3 Primary		Stage 2 Secondary			Stage 3 Secondary		
TC# Primary	Importance score	TC# Primary	Importance score	TC# Secondary	TC# Paired primary	Importance score	TC# Secondary	TC# Paired primary	Importance score
TC117	1	TC208	1	TC54	TC21	1	TC185	TC208	1
TC21	0.994649409	TC148	0.956333938	TC99	TC117	0.997359708	TC62	TC77	0.9696
TC111	0.934442519	TC77	0.950118092	TC115	TC153	0.953801981	TC50	TC80	0.909449602
TC208	0.916485159	TC117	0.949957948	TC55	TC38	0.878699552	TC141	TC136	0.890748528
TC202	0.912478738	TC189	0.941925572	TC58	TC111	0.871502837	TC99	TC117	0.879761521
TC38	0.888141505	TC125	0.887088123	TC157	TC202	0.862387892	TC40	TC35	0.833034483
TC193	0.855775058	TC136	0.839023558	TC15	TC18	0.845376089	TC17	TC22	0.693479003
TC166	0.8187106	TC80	0.825453253	TC66	TC59	0.826008969	TC15	TC18	0.642875732
TC22	0.813410874	TC149	0.797662186	TC169	TC147	0.776419325	TC121	TC123	0.634561727
TC18	0.805602804	TC18	0.786642885	TC65	TC61	0.76638565	TC65	TC61	0.627641379
TC212	0.805032387	TC65	0.73362069	TC152	TC116	0.75635975	TC63	TC31	0.603732996
TC153	0.759631064	TC193	0.707921715	TC155	TC113	0.697955461	TC72	TC58	0.576692209
TC103	0.717786218	TC35	0.680846705	TC112	TC131	0.680291112	TC176	TC171	0.543894856
TC116	0.709467893	TC61	0.67338241	TC35	TC5	0.679102309	TC3	TC69	0.499582027
TC149	0.69882952	TC135	0.595827586	TC176	TC171	0.678545174	TC1	TC52	0.494585129
TC131	0.697780269	TC123	0.573509507	TC185	TC208	0.670123318	TC119	TC103	0.474778325
TC58	0.694887892	TC216	0.56387931	TC72	TC58	0.667787743	TC58	TC111	0.463472688
TC55	0.68042016	TC103	0.525932442	TC13	TC55	0.649721303	TC129	TC88	0.457320024
TC147	0.655734186	TC116	0.488908638	TC17	TC22	0.603449807	TC53	TC121	0.410403772
TC65	0.615470852	TC111	0.463832288	TC160	TC149	0.570689594	TC74	TC74	0.404350133
TC74	0.605381166	TC88	0.439978448	TC74	TC74	0.570282856	TC19	TC17	0.400756939
TC5	0.560214923	TC55	0.42886057	TC200	TC126	0.543384739	TC152	TC116	0.377924589
TC113	0.559541604	TC69	0.416978654	TC198	TC135	0.542455572	TC160	TC149	0.368422482
TC61	0.540711443	TC113	0.408505747	TC129	TC88	0.50906695	TC198	TC135	0.366028097
TC137	0.518772064	TC121	0.401461769	TC40	TC35	0.492152466	TC155	TC113	0.326680304
TC106	0.491297784	TC44	0.36994622	TC50	TC80	0.467057606	TC162	TC148	0.325542784
TC17	0.488892325	TC22	0.356968391	TC120	TC106	0.436507937	TC169	TC147	0.313044893
TC126	0.483183857	TC21	0.351018809	TC3	TC69	0.417210219	TC83	TC137	0.312053148
TC136	0.467855081	TC58	0.350689655	TC126	TC56	0.413464512	TC112	TC131	0.304324477
TC123	0.434998533	TC220	0.348607427	TC63	TC31	0.385135969	TC13	TC55	0.303834998
TC69	0.417232543	TC212	0.345517241	TC53	TC121	0.360909892	TC48	TC44	0.295240809
TC135	0.415044843	TC17	0.334522394	TC19	TC17	0.358890226	TC56	TC27	0.288073394
TC220	0.411413418	TC106	0.333014681	TC162	TC148	0.341699884	TC120	TC106	0.2772578
TC216	0.398570628	TC56	0.30679803	TC121	TC123	0.330332386	TC126	TC56	0.263049941
TC59	0.393017297	TC147	0.300623624	TC119	TC103	0.317125774	TC115	TC153	0.246067973
TC56	0.392632928	TC52	0.30058117	TC48	TC44	0.307712263	TC157	TC202	0.240421456
TC88	0.373365097	TC74	0.276342209	TC62	TC77	0.29361435	TC30	TC25	0.189591901
TC121	0.37280659	TC202	0.257471264	TC83	TC137	0.235919694	TC54	TC21	0.175507573
TC35	0.341650757	TC115	0.239877091	TC141	TC136	0.232564075	TC128	TC189	0.165967016
TC115	0.334835501	TC27	0.224655172	TC128	TC189	0.219945408	TC66	TC59	0.154326019
TC148	0.301439698	TC59	0.205383533	TC56	TC27	0.215678611	TC200	TC126	0.153097841
TC25	0.278379604	TC31	0.186386494	TC1	TC52	0.129641956	TC55	TC38	0.15015674
TC80	0.260551986	TC25	0.183494769	TC30	TC25	0.12872835	TC35	TC5	0.140996169
TC27	0.229618834	TC180	0.17966954						
TC189	0.227500777	TC157	0.178562526						
TC77	0.201732293	TC38	0.160957854						
TC31	0.1901392	TC153	0.159678683						
TC44	0.185934093	TC126	0.153914259						
TC157	0.141876925	TC166	0.150274863						
TC125	0.133432985	TC5	0.134638086						
TC180	0.125350336	TC137	0.123807777						
TC52	0.100141079	TC131	0.105241379						
TC171	0.078428133	TC171	0.055281307						