

Table S2. Associated SNPs spanning the chr13 locus including putative functional relevance.

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43551512																	0.062	0.252
43551665																	0.56	0.99
43552704	missense	CORIN		✓													0.43	0.646
43552764	synonymous	CORIN		✓													0.065	0.019
43552884																	0.437	0.456
43552885																	0.437	0.456
43553018																	0.439	0.447
43553038																	0.438	0.456
43553073																	0.601	0.869
43553088																	0.07	0.087
43554616																	0.07	0.093
43554844																	0.274	0.549
43554882																	0.069	0.088
43554947																	0.07	0.088
43555058																	0.07	0.102
43555666																	0.068	0.097
43555685																	0.068	0.097
43555688																	0.068	0.092
43555698																	0.068	0.092
43555716																	0.327	0.51
43555777																	0.07	0.097
43555814																	0.07	0.097
43555876																	0.069	0.092
43555890																	0.07	0.092
43555989																	0.618	0.835
43556050																	0.066	0.097
43556116																	0.059	0.097
43556208																	0.058	0.069
43556300																	0.07	0.087
43556422																	0.069	0.107
43556541	missense	CORIN		✓													0.07	0.092
43556551	synonymous	CORIN		✓													0.07	0.092
43556707	synonymous	CORIN		✓													0.611	0.832
43556958																	0.52	0.811
43557003																	0.026	0.029
43557047																	0.181	0.16
43557206																	0.081	0.049
43557243																	0.147	0.17
43557257																	0.147	0.17
43557304																	0.069	0.102
43557469																	0.07	0.189
43557712																	0.083	0.194
43557912																	0.223	0.358
43558247																	0.353	0.379
43558350																	0.079	0.058
43558355																	0.079	0.058
43558642																	0.088	0.209
43558841																	0.09	0.189
43558975																	0.385	0.291

43559039																0.349	0.172
43559201																0.481	0.694
43559218																0.481	0.694
43559227																0.481	0.694
43559238																0.479	0.694
43559253																0.479	0.689
43559268																0.479	0.691
43559271																0.05	0.068
43559516																0.474	0.33
43559529																0.473	0.328
43559557																0.392	0.316
43559567																0.393	0.306
43559695																0.441	0.569
43559897																0.124	0.382
43559968																0.478	0.85
43560038																0.051	0.058
43560517																0.478	0.854
43560547																0.479	0.854
43561178																0.491	0.786
43561218																0.489	0.864
43562092																0.073	0.097
43562152																0.072	0.126
43562574																0.068	0.146
43562650																0.067	0.132
43563540																0.067	0.063
43564324																0.412	0.762
43564557																0.715	0.971
43564667																0.277	0.124
43564861																0.272	0.155
43565296																0.442	0.728
43565358																0.413	0.694
43565379																0.412	0.689
43565441																0.412	0.688
43565581																0.409	0.696
43565707																0.41	0.692
43565938																0.409	0.684
43565972																0.41	0.68
43566191																0.268	0.573
43566331																0.233	0.618
43566346																0.435	0.711
43566596																0.217	0.451
43566675																0.067	0.049
43566707																0.434	0.676
43568221																0.442	0.563
43568323																0.569	0.359
43568371																0.67	0.578
43568519																0.353	0.549
43568577																0.429	0.65
43568594																0.071	0.083

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43638890																	0.078	0.323
43639017																	0.078	0.333
43639277																	0.07	0.32
43639343																	0.079	0.328
43639403																	0.078	0.318
43639491																	0.078	0.322
43639596																	0.026	0.167
43639706																	0.078	0.327
43639733																	0.078	0.342
43639803																	0.078	0.33
43640312								✓									0.363	0.579
43640317								✓									0.079	0.327
43640373								✓									0.029	0.147
43640416								✓									0.077	0.305
43640448								✓									0.078	0.318
43640564								✓									0.079	0.332
43640566								✓									0.041	0.075
43640652								✓									0.078	0.33
43640682								✓									0.459	0.602
43640703								✓									0.366	0.597
43640774																	0.078	0.328
43640829																	0.077	0.33
43640853																	0.077	0.342
43640881																	0.078	0.343
43640896																	0.363	0.603
43640932																	0.077	0.333
43641353																	0.363	0.58
43641709																	0.082	0.385
43642465																	0.189	0.471
43642639																	0.117	0.436
43643033																	0.967	1
43643605	missense	CORIN		✓													0.845	0.66
43643666	synonymous	CORIN		✓													0.813	0.597
43643889																	0.844	0.667
43644150																	0.841	0.668
43644302																	0.844	0.681
43644388																	0.849	0.801
43644540																	0.754	0.451
43645268																	0.745	0.005
43646245																	0.803	0.267
43646792				</														

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43767275																0.26	0.178
43767286																0.223	0.02
43767594																0.227	0.02
43767736																0.01	0
43768291																0.77	0.886
43768969																0.77	0.975
43769387																0.77	0.892
43770245								✓								0.229	0.024
43770782																0.77	0.976
43771050																0.773	0.817
43771051																0.773	0.817
43771538																0.771	0.976
43771733																0.264	0.165
43772374																0.77	0.975
43772500																0.01	0
43775264																0.771	0.806
43775456								✓								0.768	0.791
43776137																0.771	0.99
43777395																0.265	0.17
43778159																0.014	0
43778698																0.787	0.804
43779269																0.775	0.663
43779291																0.222	0.024
43780487																0.981	1
43785691																0.982	0.99
43787864																0.998	1
43814824	5'UTR	NFXL1		✓				✓				✓		✓		0.01	0
43823053																0.449	0.361
43823066																0.449	0.358
43824141																0.924	0.853
43824807													✓			0.926	0.883
43825290									✓			✓				0.923	0.718
43825519									✓	✓		✓				0.924	0.946
43825899									✓	✓		✓	✓			0.925	0.946
43826787								✓	✓	✓		✓	✓			0.924	0.941
43826856								✓	✓	✓		✓	✓			0.923	0.77
43826926								✓	✓	✓		✓	✓			0.078	0.204
43827292									✓	✓		✓	✓			0.078	0.165
43827300									✓	✓		✓	✓			0.078	0.17
43827328									✓	✓		✓	✓			0.904	0.301
43827429									✓	✓		✓	✓			0.905	0.291
43827430									✓	✓		✓	✓			0.905	0.291
43827450									✓	✓		✓	✓			0.905	0.33
43827533									✓	✓		✓	✓			0.079	0.053
43827745									✓	✓		✓	✓			0.924	0.942
43827947									✓	✓		✓	✓			0.924	0.936
43827948									✓	✓		✓	✓			0.09	0.426
43828218								✓	✓	✓		✓	✓			0.466	0.078
43829725									✓	✓		✓	✓			0.135	0.112

43830258										✓	✓		✓	✓		0.925	0.946
43830891										✓	✓		✓	✓		0.852	0.257
43830993										✓	✓		✓	✓		0.928	0.942
43831062										✓	✓		✓	✓		0.925	0.787
43831131										✓			✓	✓		0.925	0.784
43831167	3'UTR	CNGA1		✓						✓			✓	✓		0.925	0.947
43833088																0.9	0.534
43833134																0.901	0.545
43833176																0.899	0.485
43833194																0.899	0.535
43833229																0.902	0.49
43833995																0.595	0.201
43834575																0.904	0.26
43835273										✓						0.924	0.946
43836195										✓						0.928	0.941
43836201										✓						0.886	0.892
43836262										✓						0.924	0.627
43836460										✓						0.924	0.632
43836720										✓						0.927	0.612
43836905										✓						0.924	0.922
43836939										✓						0.615	0.354
43836964										✓						0.925	0.927
43837334										✓						0.925	0.937
43837648										✓						0.917	0.461
43837808										✓						0.924	0.922
43838041										✓						0.919	0.791
43838400																0.925	0.937
43838446																0.918	0.699
43838491																0.919	0.699
43838532																0.923	0.947
43839027																0.918	0.791
43839215																0.925	0.932
43839272																0.918	0.755
43839310																0.918	0.757
43839864																0.923	0.879
43840043																0.925	0.947
43840162																0.925	0.932
43840340																0.917	0.461
43840382																0.919	0.461
43841025																0.918	0.711
43841760											✓					0.534	0.238
43841846											✓					0.918	0.725
43842095											✓					0.917	0.723
43847668												✓				1	1
43853070												✓				0.614	0.01
43853117												✓				0.611	0.01
43853284												✓				0.978	0.495
43853292												✓				0.61	0.01
43853414												✓				0.64	0.267

43853437											✓				0.641	0.267
43853514										✓	✓				0.638	0.252
43853567										✓	✓				0.979	0.52
43853599										✓	✓				0.989	0.883
43853812										✓	✓		✓		0.979	0.495
43854002										✓	✓		✓		0.978	0.598
43854026										✓	✓		✓		0.556	0.029
43854334										✓	✓		✓		0.606	0.015
43854389										✓	✓		✓		0.991	0.985
43854407										✓	✓		✓		0.978	0.49
43854683										✓	✓		✓		0.612	0.01
43854733										✓	✓		✓	✓	0.609	0.107
43855039										✓	✓		✓		0.609	0.005
43855445										✓	✓		✓		0.135	0
43855564										✓	✓		✓		0.983	0.85
43855751										✓	✓		✓		0.971	0.709
43855847										✓	✓				0.606	0.005
43856015											✓				0.984	0.82
43856355								✓			✓				0.98	0.31
43870715									✓		✓		✓	✓	0.844	0.211
43870735									✓		✓		✓	✓	0.792	0
43870965									✓		✓		✓	✓	0.846	0.221
43871814											✓				0.843	0.18
43873165											✓				0.929	0.618
43873502											✓				0.927	0.603
43873582											✓				0.929	0.631
43873648											✓				0.922	0.583
43873842											✓			✓	0.933	0.644
43873847											✓			✓	0.934	0.644
43873902											✓			✓	0.935	0.653
43873945											✓			✓	0.932	0.61
43874015									✓		✓			✓	0.934	0.647
43874098									✓		✓			✓	0.935	0.585
43874102									✓		✓			✓	0.935	0.589
43874559			canine only						✓	✓	✓	✓			0.937	0.613
43875067			canine only						✓	✓	✓	✓		✓	0.934	0.566
43875266			canine only						✓	✓	✓	✓		✓	0.933	0.595
43875418			canine only						✓	✓	✓	✓		✓	0.931	0.603
43875471			canine only						✓	✓	✓	✓		✓	0.939	0.578
43875983			canine only						✓	✓	✓	✓		✓	0.929	0.597
43876203			canine only						✓	✓	✓	✓		✓	0.928	0.54
43876346			INIPACT, CNCA1 NEX1.1					✓	✓	✓	✓	✓		✓	0.99	1
43878599								✓					✓	✓	0.17	0.046
43878935													✓	✓	0.356	0.783
43879074													✓	✓	0.326	0.544
43879481								✓					✓	✓	0.313	0.461
43879548								✓					✓	✓	0.316	0.481
43879706													✓	✓	0.371	0.912
43880281										✓			✓	✓	0.207	0.56

43880356										✓			✓	✓	0.224	0.99
43880374										✓			✓	✓	0.362	0.99
43880402										✓			✓	✓	0.367	0.99
43880453										✓			✓	✓	0.367	0.981
43880744										✓			✓	✓	0.184	0.186
43881552										✓			✓	✓	0.013	0
43882578										✓			✓	✓	0.987	1
43883655										✓			✓	✓	0.184	0.157
43887149								✓		✓		✓	✓	✓	0.912	1
43887172								✓		✓		✓	✓	✓	0.894	0.99
43897196	missense	NIPAL1		✓									✓		0	0
43953872															0.018	0
43974355								✓							0.307	0.54
43974379								✓							0.147	0.227
43974758															0.229	0.387
43974820								✓							0.313	0.402
43974827								✓							0.314	0.5
43974884								✓							0.998	1
43974912								✓							0.455	1
43974938								✓							0.308	0.5
43975042															0.145	0.204
43975210															0.292	0.52
43975684								✓							0.229	0.272
43976426								✓							0.464	1
43980486								✓							0.387	0.684
43981396								✓							0.216	0.16
43982306															0.199	0.167
43982329															0.446	1
43982420															0.363	0.623
43982492															0.29	0.757
43982493															0.198	0.165
43982576								✓							0.21	0.592
43982593								✓							0.197	0.175
43982707								✓							0.368	0.621
43982748															0.201	0.103
43983349								✓							0.202	0.206
43986675										✓	✓	✓			0.284	0.636
43986746										✓	✓	✓			0.284	0.652
43986835										✓	✓	✓			0.271	0.471
43986836										✓	✓	✓			0.437	0.828
43987345										✓	✓				0.199	0.292
43987367										✓	✓				0.198	0.087
43987853											✓				0.371	0.714
43987929											✓				0.375	0.722
43987944											✓				0.203	0.319
43988411											✓				0.2	0.098
43988504											✓				0.115	0.01
43988519											✓				0.371	0.681
43996856															0.738	0.11

43997066																0.742	0.112
43997339																0.745	0.147
43997355																0.974	0.838
43997396																0.743	0.108
43997822																0.797	0.408
43997978																0.976	0.961
43998332																0.638	0.01
44006266																0.018	0
44012306																0.998	1
44017912																0.998	1
44027246																0.992	1
44045794																0.998	1
44046434																0.998	1
44075148																0.97	0.928
44094188										✓		✓				0.781	0.951
44113897									✓		✓					0.587	0.245
44114428									✓		✓					0.555	0.158
44114768									✓		✓					0.998	1
44117677																0.554	0.172
44118678																0.55	0.135
44118877																0.549	0.108
44119258																0.551	0.172
44119316																0.553	0.157
44119793																0.389	0.069
44119794																0.558	0.162
44119855																0.016	0
44120031																0.557	0.163
44120073																0.558	0.16
44120117																0.556	0.157
44120576																0.59	0.178
44121559																0.976	1
44122038																0.538	0.218
44123084								✓	✓							0.981	1
44123163								✓	✓							0.704	0.706
44123249								✓	✓							0.705	0.718
44123250								✓	✓							0.885	0.879
44123438									✓							0.701	0.713
44123443									✓							0.703	0.728
44123849									✓							0.697	0.711
44124137									✓							0.889	0.868
44124433									✓							0.707	0.706
44124461									✓	✓						0.708	0.714
44124476																	

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[illegible]

44169625																0.184	0.466
44169733																0.615	0.49
44169787																0.616	0.475
44169845									✓							0.616	0.471
44170157																0.534	0.413
44170200										✓						0.534	0.406
44170569									✓	✓		✓				0.574	0.456
44170600									✓	✓		✓				0.547	0.413
44170687									✓	✓	✓	✓				0.542	0.412
44170736			SLAIN2,TEC,SLC10A4						✓	✓	✓	✓	✓		✓	0.544	0.403
44170972			NIPAL1,NFXL1,SLAIN2,COMM D8,TEC,ZAR1,TXK,OCIAD2						✓	✓	✓	✓	✓		✓	0.049	0
44171003			NIPAL1,NFXL1,SLAIN2,COMM D8,TEC,ZAR1,TXK,OCIAD2,CORIN,CWH43						✓	✓	✓	✓	✓		✓	0.537	0.412
44171069			NIPAL1,NFXL1,SLAIN2,COMM D8,TEC,ZAR1,TXK,OCIAD2,CORIN,CWH43						✓	✓	✓	✓	✓		✓	0.534	0.51
44171114			NIPAL1,NFXL1,SLAIN2,COMM D8,TEC,ZAR1,TXK,OCIAD2,CORIN,CWH43						✓	✓	✓	✓	✓		✓	0.981	0.98
44171414			SLAIN2,SLC10A4,TEC,ZAR1,CORIN,NFXL1,NIPAL1,OCIAD2,TXK,						✓	✓	✓	✓	✓		✓	0.652	0.465
44173302									✓						✓	0.81	0.791
44173539			CORIN,NIPAL1,TEC,SLAIN2,SLC10A4,ZAR1,OCIAD1,GABRA2,COMMD8,ATP10D						✓	✓	✓	✓	✓		✓	0.894	0.985
44174029			SLAIN2,TEC,NIPAL1						✓	✓	✓	✓	✓		✓	0.446	0.311
44174158			SLAIN2						✓	✓	✓	✓	✓		✓	0.44	0.319
44174196			SLAIN2						✓	✓	✓	✓	✓		✓	0.625	0.966
44174649			SLAIN2						✓	✓	✓	✓	✓		✓	0.263	0.146
44174712			SLAIN2						✓	✓	✓	✓	✓		✓	0.441	0.32
44174874			SLAIN2						✓	✓	✓	✓	✓		✓	0.443	0.301
44175447										✓	✓	✓	✓			0.439	0.311
44176274										✓		✓				0.444	0.314
44176457										✓		✓				0.445	0.306

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44353360																0.469	0.516
44358443																0.411	0.922
44360205								✓								0.637	0.966
44362900																0.151	0.015
44363006																0.555	0.826
44363230																0.998	1
44363615																0.198	0.387
44364112																0.107	0.26
44365740																0.049	0.34
44368712	synonymous	FRYL		✓					✓	✓			✓	✓		0.141	0.121
44371570																0.398	0.946
44371657																0.391	0.95
44375310																0.402	0.951
44377220																0.218	0.553
44377358																0.022	0.078
44377795																0.371	0.927
44378250																0.671	0.927
44378985																0.215	0.578
44379013																0.021	0
44380997																0.025	0.18
44382187																0.02	0.057
44383681																0.35	0.718
44384152																0.021	0.05
44384349																0.382	0.634
44385622																0.018	0.073
44386179																0.352	0.778
44387491																0.351	0.782
44387600																0.884	1
44390040																0.342	0.789
44390105																0.34	0.796
44390479																0.341	0.791
44391288																0.065	0.485
44391402																0.187	0.689
44391665																0.374	0.915
44391997																0.017	0.053
44392189																0.016	0.074
44392775																0.015	0
44393691																0.067	0.48
44394058																0.084	0.574
44394284																0.377	0.784
44396326																0.377	0.927
44405026											✓					0.306	0.886
44407666			</														

44447022																0.116	0.136
44447154																0.116	0.078
44447348																0.186	0.155
44447431																0.192	0.16
44448475																0.116	0.158
44448698																0.325	0.922
44449100																0.084	0.16
44449344																0.295	0.782
44450281																0.249	0.848
44450495																0.325	0.912
44451591																0.064	0.074
44452049																0.064	0.073
44452636																0.243	0.714
44453109																0.064	0.015
44453694																0.229	0.682
44453882																0.064	0.076
44453933																0.061	0.084
44454247																0.063	0.079
44454253																0.063	0.079
44454349																0.241	0.7
44454879																0.063	0.074
44455169																0.063	0.065
44455322																0.063	0.074
44455904																0.062	0.073
44458015																0.064	0.015
44458106																0.824	1
44458589																0.225	0.696
44458760																0.346	0.995
44459389																0.299	0.743
44459518																0.301	0.733
44459702																0.298	0.738
44459758																0.296	0.788
44460431																0.285	0.791
44460536																0.284	0.782
44460986																0.147	0.618
44461337																0.287	0.777
44461684																0.286	0.789
44461700																0.284	0.782
44463027																0.281	0.773
44463128																0.064	0.015
44463562																0.268	0.571
44463654																0.27	0.566
44463705																0.273	0.586
44464264																0.267	0.578
44465556																0.125	0.015
44470181																0.378	0.784
44471066																0.341	0.495
44471653																0.352	0.5
44472063										✓	✓		✓			0.326	0.49
44472220										✓	✓		✓			0.329	0.5
44472406										✓	✓		✓			0.124	0.01
44472531										✓	✓		✓			0.382	0.621
44472598										✓	✓		✓			0.347	0.505
44472650										✓	✓		✓			0.343	0.505

44472790										✓	✓		✓			0.345	0.373
44473828										✓						0.331	0.481
44474437										✓	✓					0.348	0.784
44474898										✓						0.348	0.529
44475351																0.346	0.485
44476706											✓			✓		0.261	0.67
44477635											✓					0.14	0.015
44477769																0.276	0.743
44477976																0.278	0.73
44478386																0.277	0.723
44478591										✓						0.279	0.748
44478806										✓						0.35	0.727
44478908										✓						0.193	0.134
44479119										✓						0.276	0.738
44479226										✓						0.277	0.743
44479258										✓						0.278	0.74
44479842										✓	✓					0.28	0.765
44480244										✓	✓					0.279	0.77
44481099										✓						0.275	0.755
44481323										✓						0.272	0.675
44481400										✓						0.276	0.755
44482210																0.166	0.645
44482405																0.275	0.757
44482438																0.277	0.767
44482610																0.277	0.762
44482935																0.273	0.745
44483005																0.28	0.76
44483320																0.387	0.966
44483470																0.277	0.775
44483657																0.277	0.485
44483715																0.279	0.76
44483766																0.279	0.765
44484139																0.282	0.735
44484629																0.192	0.147
44484816													✓			0.349	0.77
44484852													✓			0.346	0.767
44484883													✓			0.349	0.773
44485032											✓		✓			0.343	0.777
44485133											✓	✓	✓			0.338	0.778
44485280									✓	✓	✓	✓				0.345	0.812
44485452									✓	✓	✓	✓				0.347	0.791
44486268										✓	✓	✓				0.589	0.792
44486422										✓	✓	✓				0.574	0.767
44486601										✓	✓	✓				0.568	0.762
44486779										✓	✓	✓				0.571	0.77
44486940										✓	✓	✓				0.574	0.767
44487121										✓	✓	✓				0.571	0.767
44487130										✓	✓	✓				0.567	0.767
44487159										✓	✓	✓				0.571	0.767
44487457									✓	✓	✓	✓				0.288	0.665
44487716									✓	✓	✓	✓				0.575	0.845
44487752									✓	✓	✓	✓				0.601	0.966
44487772									✓	✓	✓	✓				0.501	0.652
44488260									✓	✓		✓				0.578	0.745

44489518										✓		✓					0.876	1
44490265										✓							0.276	0.34
44490454										✓							0.275	0.32
44490665																	0.272	0.307
44491000																	0.566	0.76
44491687																	0.597	0.985
44492169											✓						0.278	0.421
44492688											✓						0.282	0.728
44492964											✓						0.279	0.426
44493272											✓						0.569	0.83
44493602											✓		✓				0.598	0.985
44493905											✓						0.279	0.568
44494065																	0.281	0.432
44494093																	0.284	0.725
44494192																	0.284	0.311
44496683										✓							0.564	0.806
44497787																	0.041	0.02
44498174																	0.608	1
44500448										✓							0.601	0.946
44501812										✓		✓					0.312	0.456
44503694																	0.6	0.919
44504085																	0.594	0.931
44506047																	0.304	0.594
44506222																	0.324	0.855
44506244																	0.321	0.842
44507175																	0.308	0.619
44507477																	0.866	1
44508037																	0.598	0.927
44508268																	0.598	0.916
44508476																	0.597	0.915
44508601																	0.595	0.966
44509168																	0.606	0.96
44509604												✓					0.612	0.922
44509932												✓					0.611	0.902
44509961												✓					0.422	0.62
44510002												✓					0.607	0.911
44510125												✓					0.605	0.917
44510506												✓					0.603	0.912
44510516												✓					0.603	0.912
44511040										✓		✓	✓				0.602	0.908
44511826			</															

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44545876								✓								0.358	0.118
44546087								✓	✓			✓		✓		0.796	0.956
44546439								✓								0.683	0.558
44547210																0.794	0.786
44547368																0.794	0.779
44547558																0.759	0.559
44548154																0.799	0.816
44549952																0.764	0.553
44549975																0.184	0.223
44550829																0.258	0.204
44551232																0.733	0.564
44551535																0.162	0.102
44553286																0.211	0.225
44553317																0.811	0.961
44553464																0.207	0.221
44554032																0.895	1
44554281																0.777	0.735
44555500																0.29	0.461
44555599																0.29	0.456
44555603																0.29	0.461
44556276																0.291	0.605
44556559																0.303	0.623
44556586																0.305	0.466
44556884																0.26	0.233
44557177																0.875	1
44558350								✓								0.842	0.966
44560136																0.84	0.966
44562016								✓						✓		0.559	0.317
44562965											✓	✓		✓		0.138	0.005
44566201		CFRNAS	GNC_0002981					✓	✓	✓	✓		✓	✓	✓	0.874	0.995
44568351		CFRNAS	GNC_0002981					✓								0.291	0.466
44568527		CFRNAS	GNC_0002981					✓								0.627	0.85
44568528		CFRNAS	GNC_0002981					✓								0.627	0.85
44568623		CFRNAS	GNC_0002981					✓								0.628	0.853
44569049																0.288	0.451
44569343																0.28	0.412
44569403																0.275	0.395
44570176								✓								0.791	0.417
44570218																0.792	0.416
44570225																0.601	0.324
44570315																0.791	0.456
44570993																	

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44594950																0.846	0.908
44596061																0.629	0.621
44596597																0.556	0.039
44596598																0.397	0.029
44606974																0.092	0
44607298												✓				0.483	0.636
44607303												✓				0.629	0.583
44607491			FRYL, OCIAD1,OCIAD 2					✓	✓	✓	✓	✓				0.349	0.233
44607797			FRYL, OCIAD1,OCIAD 2					✓	✓	✓	✓	✓			✓	0.767	0.886
44608187								✓	✓		✓	✓			✓	0.659	0.668
44617896																0.086	0
44639641	3'UTR	OCIAD2		✓												0.213	0.068
44640770	3'UTR	OCIAD2		✓												0.949	0.966
44641333																0.856	0.856
44641530																0.211	0
44641638																0.21	0.083
44642053																0.197	0.16
44642588																0.193	0.16
44643076								✓								0.18	0.18
44643124								✓								0.181	0.175
44644037																0.972	0.966
44644137																0.129	0.33
44644456																0.22	0.28
44644744																0.992	0.99
44644745																0.219	0.225
44644907																0.636	0.955
44645562																0.225	0.201
44645584																0.222	0.238
44645824																0.23	0.175
44645932																0.179	0.2
44645968																0.216	0.225
44646293																0.178	0.233
44646554																0.182	0.228
44646672																0.182	0.243
44646884																0.181	0.168
44647520	synonymous	OCIAD2		✓				✓								0.277	0.291
44648147																0.194	0.184
44648268																0.192	0.262
44649041								✓								0.996	1
44649112								✓								0.293	0.471
44649485								✓								0.176	0.034
44649622																	

44651232																0.178	0.123
44651267																0.179	0.314
44651426																0.264	0.17
44652247								✓								0.263	0.34
44652328								✓								0.955	0.869
44652739																0.923	0.757
44653085																0.953	0.772
44653986								✓								0.952	0.718
44654064								✓								0.952	0.667
44654097								✓								0.952	0.735
44654295								✓								0.949	0.427
44654315								✓								0.951	0.975
44654327								✓								0.343	0.284
44654355								✓								0.343	0.301
44654784								✓								0.177	0.17
44655766								✓		✓		✓	✓	✓		0.178	0.125
44655829								✓		✓		✓	✓	✓		0.211	0.355
44657484																0.948	0.812
44657968																0.978	0.995
44658957																0.454	0.279
44659685								✓								0.449	0.279
44659752								✓								0.446	0.267
44659797								✓								0.283	0.127
44659994																0.446	0.255
44660009																0.446	0.252
44660139																0.452	0.267
44660145																0.956	0.971
44660152																0.453	0.267
44660182																0.452	0.272
44660183																0.452	0.272
44660194																0.452	0.265
44660365																0.451	0.245
44660366																0.288	0.118
44660377																0.451	0.248
44660421																0.489	0.27
44660446																0.486	0.272
44660482																0.485	0.255
44660488																0.482	0.255
44660660																0.452	0.045
44660662																0.31	0.01
44660666																0.453	0.045
44660667																0.453	0.045
44661116																0.923	0.707
44661347								✓								0.722	0.049
44662186								✓								0.58	0.359
44662651																0.603	0.395
44662658																0.605	0.396
44662880																0.593	0.343
44662938										✓						0.597	0.554

44663006	missense	OCIAD2		✓						✓					0.591	0.558
44663109	missense	OCIAD2		✓						✓					0.594	0.345
44663157	missense	OCIAD2		✓						✓					0.594	0.345
44664123															0.836	0.385
44664231															0.84	0.371
44664284															0.105	0
44664988															0.819	0.898
44665695															0.589	0.5
44665698															0.589	0.5
44666243															0.1	0.015
44668380															0.935	1
44670838															0.584	0.068
44671112															0.296	0.078
44673585															0.907	0.94
44675663															0.909	0.932
44676276															0.3	0.024
44676325															0.297	0.024
44678871															0.338	0.024
44678930															0.911	1
44680040															0.578	0.711
44680092															0.57	0.16
44680593															0.864	0.888
44680597															1	1
44680708															0.431	0.442
44681477															0.925	1
44682886										✓	✓				0.086	0.022
44683037										✓	✓				0.737	0.22
44683100										✓	✓				0.917	0.966
44685532															0.985	0.723
44685790															0.985	0.709
44686159															0.987	0.966
44686696															0.808	0.379
44686722															0.985	0.718
44686813															0.81	0.445
44686896															0.809	0.444
44686908															0.81	0.443
44687402															0.809	0.416
44687567															0.102	0.029
44687857										✓				✓	0.985	0.903
44687890										✓				✓	0.807	0.376
44687900										✓				✓	0.808	0.41
44688114										✓	✓			✓	0.804	0.374
44688125										✓	✓			✓	0.967	0.262
44688155										✓	✓			✓	0.981	0.427
44688185										✓	✓			✓	0.815	0.417
44688509										✓	✓			✓	0.973	0.51
44688782										✓	✓			✓	0.104	0.025
44688843										✓	✓			✓	0.986	0.662
44688932										✓	✓			✓	0.986	0.676

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