

GeneSymbol	BindingSite	Motifs	pValue	description	ensembl_gene_id
AASDH	chr4:57207615-57208306	1	9.55E-79	aminoadipate-semialdehyde dehydrogenase	ENSG00000157426
ABCA10	chr17:67259657-67260436	1	2.57E-85	ATP-binding cassette, sub-family A (ABC1), member 10	ENSG00000154263
ABCB9	chr12:123415801-123416656	1	5.89E-77	ATP-binding cassette, sub-family B (MDR/TAP), member 9	ENSG00000150967
ABCG5	chr2:44039916-44040709	1	1.66E-75	ATP-binding cassette, sub-family G (WHITE), member 5	ENSG00000138075
ABCG8	chr2:44136156-44136727	1	5.13E-87	ATP-binding cassette, sub-family G (WHITE), member 8	ENSG00000143921
ABHD5	chr3:43717538-43718405	1	9.77E-76	abhydrolase domain containing 5	ENSG00000011198
ABL2	chr1:179167916-179168697	1	3.16E-87	c-abl oncogene 2, non-receptor tyrosine kinase	ENSG00000143322
ABRA	chr8:107672555-107673551	1	1.48E-107	actin-binding Rho activating protein	ENSG00000174429
ACADL	chr2:211076683-211077481	1	2.40E-77	acyl-CoA dehydrogenase, long chain	ENSG00000115361
ACADM	chr1:76190984-76192200	1	2.40E-135	acyl-CoA dehydrogenase, C-4 to C-12 straight chain	ENSG00000117054
ACAT1	chr11:107996439-107997181	1	2.09E-76	acetyl-CoA acetyltransferase 1	ENSG00000075239
ACP6	chr1:147102212-147103195	1	1.55E-80	acid phosphatase 6, lysophosphatidic	ENSG00000162836
ACSL4	chrX:109046263-109047211	1	4.79E-84	acyl-CoA synthetase long-chain family member 4	ENSG00000068366
ACSM4	chr12:7419079-7419616	1	3.72E-72	acyl-CoA synthetase medium-chain family member 4	ENSG00000215009
ACTRT1	chrX:126916430-127482343	4	2.01E-78	actin-related protein T1	ENSG00000123165
ADAD1	chr4:123291071-123291762	1	8.32E-84	adenosine deaminase domain containing 1 (testis-specific)	ENSG00000164113
ADAM12	chr10:127848980-127849772	1	5.37E-78	ADAM metalloproteinase domain 12	ENSG00000148848
ADAM2	chr8:39691808-39692416	1	6.46E-82	ADAM metalloproteinase domain 2	ENSG00000104755
ADAM7	chr8:24367831-24368575	1	1.58E-77	ADAM metalloproteinase domain 7	ENSG00000069206
ADAMTS17	chr15:100697601-100698519	1	5.25E-74	ADAM metalloproteinase with thrombospondin type 1 motif, 17	ENSG00000140470
ADAMTS9	chr3:64677072-64678134	1	1.70E-94	ADAM metalloproteinase with thrombospondin type 1 motif, 9	ENSG00000163638
ADAMTSL3	chr15:84454392-84455035	1	1.58E-73	ADAMTS-like 3	ENSG00000156218
ADAT2	chr6:143606307-143607137	1	5.62E-74	adenosine deaminase, tRNA-specific 2	ENSG00000189007
ADCK3	chr1:227207242-227305274	3	1.50E-72	aarF domain containing kinase 3	ENSG00000163050
ADCY10	chr1:167868054-167868902	1	3.72E-72	adenylate cyclase 10 (soluble)	ENSG00000143199
ADK	chr10:76032829-76034389	1	8.91E-133	adenosine kinase	ENSG00000156110
ADORA2A	chr22:24773594-24775268	1	3.39E-76	adenosine A2a receptor	ENSG00000128271
ADRA1A	chr8:26581546-26582810	1	6.03E-76	adrenoceptor alpha 1A	ENSG00000120907
ADRB2	chr5:148217683-148218306	1	5.89E-80	adrenoceptor beta 2, surface	ENSG00000169252
AEBP2	chr12:19569617-19617354	2	3.97E-74	AE binding protein 2	ENSG00000139154
AFAP1-AS1	chr4:7736176-7736755	1	1.48E-92	AFAP1 antisense RNA 1	ENSG00000272620
AFF2	chrX:147540615-147541304	1	5.13E-72	AF4/FMR2 family, member 2	ENSG00000269754
AGA	chr4:178372048-178372774	1	9.55E-79	aspartylglucosaminidase	ENSG00000038002
AGAP5	chr10:75449967-75450591	1	7.94E-80	ArfGAP with GTPase domain, ankyrin repeat and PH domain 5	ENSG00000172650

AGBL1	chr15:87338522-87339140	1	1.35E-80	ATP/GTP binding protein-like 1	ENSG00000166748
AGBL3	chr7:134600840-134649830	3	2.25E-82	ATP/GTP binding protein-like 3	ENSG00000146856
AGMAT	chr1:15897795-15899105	1	2.75E-130	agmatine ureohydrolase (agmatinase)	ENSG00000116771
AGT	chr1:230865110-230866337	1	2.88E-88	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	ENSG00000135744
AGTPBP1	chr9:88252008-88252563	1	3.63E-76	ATP/GTP binding protein 1	ENSG00000135049
AGTR2	chrX:115412113-115413296	1	2.82E-127	angiotensin II receptor, type 2	ENSG00000269602
AKAP13	chr15:85758360-85759094	1	7.76E-73	A kinase (PRKA) anchor protein 13	ENSG00000170776
AKAP6	chr14:33071092-33072243	1	4.90E-91	A kinase (PRKA) anchor protein 6	ENSG00000151320
AKAP7	chr6:131590241-131590813	1	3.80E-76	A kinase (PRKA) anchor protein 7	ENSG00000118507
AKAP9	chr7:91555377-91556414	1	9.55E-121	A kinase (PRKA) anchor protein 9	ENSG00000127914
AKT3	chr1:243829221-244007500	2	3.30E-73	v-akt murine thymoma viral oncogene homolog 3	ENSG00000117020
ALCAM	chr3:105240997-105265410	2	3.30E-74	activated leukocyte cell adhesion molecule	ENSG00000170017
ALDH1A1	chr9:75656326-75656971	1	2.04E-81	aldehyde dehydrogenase 1 family, member A1	ENSG00000165092
ALDH1A2	chr15:58360186-58361263	1	3.31E-104	aldehyde dehydrogenase 1 family, member A2	ENSG00000128918
ALDH8A1	chr6:135125988-135127250	1	1.86E-75	aldehyde dehydrogenase 8 family, member A1	ENSG00000118514
ALG13	chrX:110984629-111015928	2	7.75E-98	ALG13, UDP-N-acetylglucosaminyltransferase subunit	ENSG00000101901
ALG6	chr1:63848357-63908587	3	7.99E-81	ALG6, alpha-1,3-glucosyltransferase	ENSG00000088035
ALG9	chr11:111711719-111712356	1	1.86E-84	ALG9, alpha-1,2-mannosyltransferase	ENSG00000262577
ALX4	chr11:44443618-44444573	1	1.45E-72	ALX homeobox 4	ENSG00000052850
AMOT	chrX:112237480-112238377	1	2.45E-101	angiomotin	ENSG00000126016
AMY1B	chr1:104210589-104211131	1	6.31E-78	amylase, alpha 1B (salivary)	ENSG00000174876
ANAPC16	chr10:73935398-73936602	1	5.50E-81	anaphase promoting complex subunit 16	ENSG00000166295
ANGPTL3	chr1:63013792-63014969	1	1.23E-73	angiopoietin-like 3	ENSG00000132855
ANK1	chr8:41695569-41696263	1	3.02E-87	ankyrin 1, erythrocytic	ENSG00000029534
ANKRD20A2	chr9:42430228-42431066	1	2.40E-96	ankyrin repeat domain 20 family, member A2	ENSG00000183148
ANKRD33B	chr5:10520290-10520909	1	3.72E-72	ankyrin repeat domain 33B	ENSG00000164236
ANKRD36BP2	chr2:89078451-89079357	1	1.66E-88	ankyrin repeat domain 36B pseudogene 2	ENSG00000230006
ANKS1B	chr12:100356040-100357183	1	8.13E-92	ankyrin repeat and sterile alpha motif domain containing 1B	ENSG00000185046
ANO2	chr12:6109538-6110462	1	5.75E-81	anoctamin 2	ENSG00000047617
ANXA5	chr4:122646314-122647751	1	2.69E-74	annexin A5	ENSG00000164111
AOAH	chr7:36672943-36673860	1	2.40E-94	acyloxyacyl hydrolase (neutrophil)	ENSG00000136250
AOX2P	chr2:201507279-201507752	1	1.91E-74	aldehyde oxidase 2 pseudogene	ENSG00000243478
AP3M2	chr8:41964002-41965151	1	1.48E-83	adaptor-related protein complex 3, mu 2 subunit	ENSG00000070718
APAF1	chr12:99409972-99410423	1	9.77E-78	apoptotic peptidase activating factor 1	ENSG00000120868
APC	chr5:111914274-111915232	1	3.98E-100	adenomatous polyposis coli	ENSG00000134982
APOBEC4	chr1:183797660-183798487	1	2.75E-74	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 4 (putative)	ENSG00000173627
APOL5	chr22:36230466-36231516	1	9.33E-96	apolipoprotein L, 5	ENSG00000128313
APP	chr21:27406742-27407508	1	4.37E-75	amyloid beta (A4) precursor protein	ENSG00000142192
APPL1	chr3:57287724-57288515	1	4.17E-78	adaptor protein, phosphotyrosine interaction, PH domain and	

leucine zipper containing 1 ENSG00000157500

AREG chr4:75414433-75415477 1 7.59E-114 amphiregulin ENSG00000109321

ARFGAP2 chr11:47119930-47120799 1 1.15E-92 ADP-ribosylation factor GTPase activating protein 2 ENSG00000149182

ARG1 chr6:131813543-131814222 1 3.72E-73 arginase 1 ENSG00000118520

ARG2 chr14:68108734-68109891 1 1.82E-90 arginase 2 ENSG00000081181

ARHGAP10 chr4:148646202-148646999 1 3.02E-83 Rho GTPase activating protein 10 ENSG00000071205

ARHGAP12 chr10:32232263-32232834 1 1.86E-80 Rho GTPase activating protein 12 ENSG00000165322

ARHGAP15 chr2:144238644-144453509 3 2.47E-72 Rho GTPase activating protein 15 ENSG00000075884

ARHGAP18 chr6:129688936-130020307 3 1.39E-78 Rho GTPase activating protein 18 ENSG00000146376

ARHGAP20 chr11:110772713-110773530 1 2.51E-75 Rho GTPase activating protein 20 ENSG00000137727

ARHGAP24 chr4:86171724-86172221 1 1.15E-77 Rho GTPase activating protein 24 ENSG00000138639

ARHGAP36 chrX:130120445-130221535 2 1.69E-96 Rho GTPase activating protein 36 ENSG00000147256

ARHGAP5 chr14:32584459-32585518 1 1.82E-73 Rho GTPase activating protein 5 ENSG00000100852

ARHGEF17 chr11:73014137-73015000 1 2.29E-93 Rho guanine nucleotide exchange factor (GEF) 17 ENSG00000110237

ARHGEF35 chr7:143872522-143873405 1 3.89E-74 Rho guanine nucleotide exchange factor (GEF) 35 ENSG00000213214

ARHGEF6 chrX:135815882-135816812 1 1.12E-115 Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6 ENSG00000129675

ARID1B chr6:156794324-156795092 1 1.29E-86 AT rich interactive domain 1B (SWI1-like) ENSG00000049618

ARID3B chr15:74829624-74830797 1 2.95E-81 AT rich interactive domain 3B (BRIGHT-like) ENSG00000179361

ARL15 chr5:53637109-53637747 1 4.68E-78 ADP-ribosylation factor-like 15 ENSG00000185305

ARL6 chr3:97344981-97345836 1 2.29E-100 ADP-ribosylation factor-like 6 ENSG00000113966

ARMC3 chr10:23163950-23164906 1 8.91E-78 armadillo repeat containing 3 ENSG00000165309

ARNT2 chr15:80681364-80682487 1 5.62E-78 aryl-hydrocarbon receptor nuclear translocator 2 ENSG00000172379

ARNTL chr11:13264682-13265626 1 9.55E-102 aryl hydrocarbon receptor nuclear translocator-like ENSG00000133794

ARPP21 chr3:34847006-34847996 1 2.82E-85 cAMP-regulated phosphoprotein, 21kDa ENSG00000172995

ARX chrX:24952613-24953516 1 1.32E-103 aristaless related homeobox ENSG00000004848

ASAH1 chr8:17951772-17952346 1 1.10E-73 N-acylsphingosine amidohydrolase (acid ceramidase) 1 ENSG00000104763

ASB17 chr1:76392312-76393366 1 2.29E-84 ankyrin repeat and SOCS box containing 17 ENSG00000154007

ASF1A chr6:119221103-119222111 1 5.75E-89 anti-silencing function 1A histone chaperone ENSG00000111875

ASPHD2 chr22:26706588-26707112 1 3.89E-94 aspartate beta-hydroxylase domain containing 2 ENSG00000128203

ASXL3 chr18:31132502-31369157 3 1.18E-88 additional sex combs like 3 (Drosophila) ENSG00000141431

ATE1 chr10:123554143-123554904 1 1.23E-75 arginyltransferase 1 ENSG00000107669

ATF6 chr1:161783551-161784279 1 9.55E-79 activating transcription factor 6 ENSG00000118217

ATF7 chr12:53977449-53978563 1 6.61E-74 activating transcription factor 7 ENSG00000170653

ATF7IP	chr12:14462059-14462964	1	2.40E-94	activating transcription factor 7 interacting protein	
ENSG00000171681					
ATG13	chr11:46676532-46677749	1	6.17E-75	autophagy related 13	ENSG00000175224
ATG2B	chr14:96796221-96797233	1	9.55E-78	autophagy related 2B	ENSG00000066739
ATG4C	chr1:63224676-63352515	6	7.40E-76	autophagy related 4C, cysteine peptidase	
ENSG00000125703					
ATG5	chr6:106711732-106713432	1	2.00E-123	autophagy related 5	ENSG00000057663
ATL2	chr2:38714753-38715678	1	7.94E-111	atlastin GTPase 2	ENSG00000119787
ATOH7	chr10:69948511-69949669	1	1.66E-75	atonal homolog 7 (Drosophila)	ENSG00000179774
ATP5G3	chr2:176231336-176232264	1	2.88E-122	ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex, subunit C3 (subunit 9)	ENSG00000154518
ATP6V1B1	chr2:71181841-71182614	1	5.01E-86	ATPase, H <sup>+</sup> transporting, lysosomal 56/58kDa, V1 subunit B1	ENSG00000271809
ATP6V1G3	chr1:198503380-198504147	1	8.71E-81	ATPase, H <sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G3	ENSG00000263014
ATPAF1	chr1:47116066-47116532	1	1.78E-75	ATP synthase mitochondrial F1 complex assembly factor 1	ENSG00000123472
ATRNL1	chr10:117011501-117012811	1	9.33E-76	attractin-like 1	ENSG00000107518
ATRX	chrX:76906935-77061139	2	9.78E-81	alpha thalassemia/mental retardation syndrome X-linked	ENSG00000268946
ATXN2	chr12:111960486-111961679	1	3.02E-94	ataxin 2	ENSG00000204842
ATXN8OS	chr13:70210878-70527090	4	5.86E-80	ATXN8 opposite strand (non-protein coding)	ENSG00000230223
AURKAPS1	chr1:220411269-220412318	1	1.55E-101	aurora kinase A pseudogene 1	ENSG00000213033
AUTS2	chr7:68863471-69260475	2	3.89E-78	autism susceptibility candidate 2	ENSG00000158321
AVPI1	chr10:99437674-99438528	1	1.35E-80	arginine vasopressin-induced 1	ENSG00000119986
AVPR1A	chr12:63759716-63760952	1	3.09E-83	arginine vasopressin receptor 1A	ENSG00000166148
B3GALT2	chr1:193216587-194697498	3	3.23E-79	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	ENSG00000162630
B3GALTL	chr13:31836725-31837704	1	9.55E-98	beta 1,3-galactosyltransferase-like	ENSG00000187676
BACH1	chr21:30682666-30683535	1	1.17E-98	BTB and CNC homology 1, basic leucine zipper transcription factor 1	ENSG00000156273
BAGE5	chr21:11072102-11073158	1	7.41E-146	B melanoma antigen family, member 5	ENSG00000268590
BARHL2	chr1:91244983-91245775	1	8.13E-84	BarH-like homeobox 2	ENSG00000143032
BARX2	chr11:129434650-129435163	1	2.14E-75	BARX homeobox 2	ENSG00000043039
BASP1P1	chr13:23299322-23300437	1	2.75E-74	brain abundant, membrane attached signal protein 1 pseudogene 1	ENSG00000230535
BAZ1A	chr14:35351279-35352052	1	1.58E-124	bromodomain adjacent to zinc finger domain, 1A	ENSG00000198604
BBOX1	chr11:27195377-27196169	1	2.51E-72	butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1	ENSG00000129151
BBS9	chr7:33524350-33525198	1	3.72E-72	Bardet-Biedl syndrome 9	ENSG00000122507
BCAS3	chr17:58907319-58907979	1	6.61E-73	breast carcinoma amplified sequence 3	ENSG00000141376
BCAS4	chr20:49407708-49408265	1	7.41E-74	breast carcinoma amplified sequence 4	ENSG00000124243
BCL11B	chr14:99795662-99796088	1	1.00E-81	B-cell CLL/lymphoma 11B (zinc finger protein)	ENSG00000127152
BCL9	chr1:147034667-147036398	1	3.39E-120	B-cell CLL/lymphoma 9	ENSG00000266095
BET1	chr7:93670387-93670991	1	4.07E-76	Bet1 golgi vesicular membrane trafficking protein	ENSG00000105829
BEX1	chrX:102287798-102288696	1	1.12E-83	brain expressed, X-linked 1	ENSG00000133169
BICD1	chr12:32441218-32442398	1	9.12E-76	bicaudal D homolog 1 (Drosophila)	ENSG00000151746
BLM	chr15:91265993-91267188	1	1.66E-96	Bloom syndrome, RecQ helicase-like	ENSG00000197299

BLOC1S2	chr10:102060082-102060931	1	4.17E-101	biogenesis of lysosomal organelles complex-1, subunit 2	ENSG00000196072
BMP6	chr6:7786868-7788202	1	8.51E-85	bone morphogenetic protein 6	ENSG00000153162
BMPER	chr7:34250021-34250961	1	7.08E-85	BMP binding endothelial regulator	ENSG00000164619
BOC	chr3:112972358-112973501	1	3.31E-114	BOC cell adhesion associated, oncogene regulated	ENSG00000144857
BRAF	chr7:140580982-140581739	1	6.03E-88	v-raf murine sarcoma viral oncogene homolog B	ENSG00000157764
BTBD11	chr12:107630191-107630967	1	5.13E-74	BTB (POZ) domain containing 11	ENSG00000151136
BTD	chr3:15762904-15763869	1	2.57E-82	biotinidase	ENSG00000169814
BTF3P11	chr13:77496844-77497729	1	7.76E-91	basic transcription factor 3 pseudogene 11	ENSG00000118903
BTG1	chr12:92473369-92645174	2	4.56E-81	B-cell translocation gene 1, anti-proliferative	ENSG00000133639
BTG3	chr21:18940468-18941515	1	4.57E-96	BTG family, member 3	ENSG00000154640
BTNL8	chr5:180355817-180356733	1	2.69E-76	butyrophilin-like 8	ENSG00000113303
C10orf11	chr10:77567461-77568343	1	3.16E-74	chromosome 10 open reading frame 11	ENSG00000148655
C10orf99	chr10:85922101-85923023	1	3.55E-81	chromosome 10 open reading frame 99	ENSG00000188373
C11orf30	chr11:76141359-76142125	1	3.16E-99	chromosome 11 open reading frame 30	ENSG00000158636
C11orf95	chr11:63547612-63548478	1	6.17E-121	chromosome 11 open reading frame 95	ENSG00000188070
C12orf23	chr12:107361077-107361646	1	4.68E-108	chromosome 12 open reading frame 23	ENSG00000151135
C12orf42	chr12:103812265-103813332	1	7.08E-78	chromosome 12 open reading frame 42	ENSG00000179088
C12orf49	chr12:117109536-117110359	1	3.72E-86	chromosome 12 open reading frame 49	ENSG00000111412
C12orf75	chr12:105782152-105782790	1	5.13E-82	chromosome 12 open reading frame 75	ENSG00000235162
C14orf105	chr14:57954697-57955771	1	8.51E-88	chromosome 14 open reading frame 105	ENSG00000100557
C16orf87	chr16:46855581-46856708	1	1.74E-104	chromosome 16 open reading frame 87	ENSG00000155330
C17orf58	chr17:65911836-65912726	1	3.47E-106	chromosome 17 open reading frame 58	ENSG00000263085
C17orf78	chr17:35735137-35736887	1	3.09E-93	chromosome 17 open reading frame 78	ENSG00000167230
C1GALT1C1	chrX:119770006-119771033	1	2.24E-80	C1GALT1-specific chaperone 1	ENSG00000171155
C1orf105	chr1:172393171-172394170	1	1.51E-95	chromosome 1 open reading frame 105	ENSG00000180999
C1orf106	chr1:200892194-200893160	1	9.33E-88	chromosome 1 open reading frame 106	ENSG00000163362
C1orf162	chr1:112051476-112053242	1	1.62E-79	chromosome 1 open reading frame 162	ENSG00000143110
C1orf168	chr1:57221216-57222030	1	1.41E-87	chromosome 1 open reading frame 168	ENSG00000187889
C1orf180	chr1:85073351-85106722	2	1.12E-73	chromosome 1 open reading frame 180	ENSG00000180869
C1orf21	chr1:184245479-184500920	2	1.07E-96	chromosome 1 open reading frame 21	ENSG00000116667

C1orf53 chr1:197830873-197870134	2	1.17E-79	chromosome 1 open reading frame 53	
ENSG00000203724				
C1orf87 chr1:60885174-60937876	2	1.48E-76	chromosome 1 open reading frame 87	ENSG00000162598
C2orf43 chr2:21008013-21009137	1	1.78E-83	chromosome 2 open reading frame 43	ENSG00000118961
C2orf83 chr2:228466094-228467209	1	1.26E-99	chromosome 2 open reading frame 83	
ENSG00000042304				
C3orf17 chr3:112806502-112807906	1	3.98E-94	chromosome 3 open reading frame 17	
ENSG00000163608				
C3orf67 chr3:59259124-59259683	1	2.69E-87	chromosome 3 open reading frame 67	ENSG00000163689
C4orf27 chr4:170694331-170695014	1	6.61E-73	chromosome 4 open reading frame 27	
ENSG00000056050				
C4orf32 chr4:112959885-112960639	1	2.63E-88	chromosome 4 open reading frame 32	
ENSG00000174749				
C4orf33 chr4:131790022-131790565	1	8.71E-78	chromosome 4 open reading frame 33	
ENSG00000151470				
C4orf40 chr4:71021007-71021550	1	6.61E-73	chromosome 4 open reading frame 40	ENSG00000187533
C4orf51 chr4:146616478-146617587	1	4.17E-149	chromosome 4 open reading frame 51	
ENSG00000237136				
C4orf6 chr4:5495410-5496271	1	5.89E-82	chromosome 4 open reading frame 6	ENSG00000082929
C5orf47 chr5:173393929-173394636	1	6.61E-73	chromosome 5 open reading frame 47	
ENSG00000185056				
C6orf118 chr6:165481582-165657683	2	3.38E-77	chromosome 6 open reading frame 118	
ENSG00000112539				
C6orf58 chr6:128036958-128063605	2	6.74E-74	chromosome 6 open reading frame 58	
ENSG00000184530				
C7orf49 chr7:134861433-134862329	1	3.89E-80	chromosome 7 open reading frame 49	
ENSG00000122783				
C7orf71 chr7:26716442-26717204	1	3.63E-106	chromosome 7 open reading frame 71	ENSG00000222004
C8B chr1:57669852-57846441	3	8.96E-73	complement component 8, beta polypeptide	
ENSG00000021852				
C8orf4 chr8:39949243-39949900	1	5.89E-74	chromosome 8 open reading frame 4	ENSG00000176907
C8orf44 chr8:67589848-67590584	1	5.62E-82	chromosome 8 open reading frame 44	ENSG00000213865
C8orf48 chr8:13430851-13986967	5	2.58E-79	chromosome 8 open reading frame 48	ENSG00000164743
CA10 chr17:50128624-50129283	1	1.26E-81	carbonic anhydrase X	ENSG00000154975
CA12 chr15:63712101-63713047	1	2.09E-73	carbonic anhydrase XII	ENSG00000074410
CA4 chr17:58261929-58262799	1	2.00E-75	carbonic anhydrase IV	ENSG00000167434
CA8 chr8:60954618-60955338	1	2.24E-74	carbonic anhydrase VIII	ENSG00000178538
CABYR chr18:21770154-21771327	1	1.07E-73	calcium binding tyrosine-(Y)-phosphorylation regulated	
ENSG00000154040				
CACNA1C chr12:2173621-2174675	1	5.13E-83	calcium channel, voltage-dependent, L type, alpha 1C subunit	ENSG00000151067
CACNA1D chr3:53594875-53657348	2	2.34E-90	calcium channel, voltage-dependent, L type, alpha 1D subunit	ENSG00000157388
CACNA1H chr16:1229480-1230001	1	1.15E-87	calcium channel, voltage-dependent, T type, alpha 1H subunit	ENSG00000196557
CACNA2D3 chr3:54139735-54140360	1	6.61E-73	calcium channel, voltage-dependent, alpha 2/delta subunit 3	ENSG00000157445
CAND1 chr12:67487946-67489164	1	2.75E-74	cullin-associated and neddylation-dissociated 1	
ENSG00000111530				
CAPN6 chrX:110393644-110509718	2	3.23E-74	calpain 6	ENSG00000077274
CAPZA2 chr7:116430671-116431477	1	4.37E-113	capping protein (actin filament) muscle Z-line, alpha 2	
ENSG00000198898				
CAPZA3 chr12:18898742-18899312	1	3.39E-74	capping protein (actin filament) muscle Z-line, alpha 3	
ENSG00000177938				

CASC2	chr10:119876889-119877826	1	3.80E-86	cancer susceptibility candidate 2 (non-protein coding)	ENSG00000177640
CASP14	chr19:15170461-15171186	1	6.61E-73	caspase 14, apoptosis-related cysteine peptidase	ENSG00000105141
CAV2	chr7:116025032-116025837	1	1.38E-76	caveolin 2	ENSG00000105971
CBLB	chr3:105766610-105767765	1	2.19E-85	Cbl proto-oncogene B, E3 ubiquitin protein ligase	ENSG00000114423
CBX2	chr17:77751897-77758981	4	6.89E-75	chromobox homolog 2	ENSG00000262762
CC2D1B	chr1:52797162-52797885	1	6.17E-80	coiled-coil and C2 domain containing 1B	ENSG00000154222
CC2D2B	chr10:97774869-97775626	1	1.41E-73	coiled-coil and C2 domain containing 2B	ENSG00000188649
CCAR1	chr10:70454106-70455188	1	5.13E-87	cell division cycle and apoptosis regulator 1	ENSG00000060339
CCDC17	chr1:46070696-46071485	1	1.23E-72	coiled-coil domain containing 17	ENSG00000159588
CCDC34	chr11:27371198-27371628	1	4.68E-74	coiled-coil domain containing 34	ENSG00000109881
CCDC80	chr3:112358113-112359167	1	2.63E-93	coiled-coil domain containing 80	ENSG00000091986
CCDC91	chr12:28299463-28300367	1	1.70E-77	coiled-coil domain containing 91	ENSG00000123106
CCK	chr3:42368365-42369139	1	3.16E-74	cholecystokinin	ENSG00000187094
CCND2	chr12:4190801-4191904	1	8.13E-119	cyclin D2	ENSG00000118971
CCNG2	chr4:78057349-78057988	1	6.61E-73	cyclin G2	ENSG00000138764
CCNH	chr5:86704554-86704949	1	6.31E-72	cyclin H	ENSG00000134480
CD164	chr6:109674560-109675669	1	3.72E-74	CD164 molecule, sialomucin	ENSG00000135535
CD1C	chr1:158274141-158275114	1	1.62E-81	CD1c molecule	ENSG00000158481
CD36	chr7:80317624-80318505	1	3.16E-97	CD36 molecule (thrombospondin receptor)	ENSG00000135218
CD46	chr1:207883614-207884375	1	3.89E-73	CD46 molecule, complement regulatory protein	ENSG00000117335
CD53	chr1:111384579-111396606	2	8.74E-77	CD53 molecule	ENSG00000143119
CD55	chr1:207492035-207492594	1	6.92E-91	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	ENSG00000196352
CD99L2	chrX:150043891-150045045	1	2.75E-75	CD99 molecule-like 2	ENSG00000269478
CDC14A	chr1:100896453-100897380	1	1.45E-110	cell division cycle 14A	ENSG00000079335
CDC27	chr17:45233856-45266870	2	9.98E-90	cell division cycle 27	ENSG00000004897
CDC42BPA	chr1:227371742-227494781	2	9.75E-75	CDC42 binding protein kinase alpha (DMPK-like)	ENSG00000143776
CDCA2	chr8:25597622-25598482	1	1.91E-76	cell division cycle associated 2	ENSG00000184661
CDCA7	chr2:174242556-174389146	3	2.37E-72	cell division cycle associated 7	ENSG00000144354
CDH2	chr18:25890295-26165274	3	1.96E-73	cadherin 2, type 1, N-cadherin (neuronal)	ENSG00000170558
CDK19	chr6:111141833-111143168	1	8.51E-95	cyclin-dependent kinase 19	ENSG00000155111
CDKAL1	chr6:20629964-20631179	1	8.32E-83	CDK5 regulatory subunit associated protein 1-like 1	ENSG00000145996
CDKN1A	chr6:36635968-36637437	1	2.19E-89	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	ENSG00000124762
CDKN2B	chr9:22039704-22040611	1	3.39E-94	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	ENSG00000147883
CDRT15L2	chr17:20614558-20615345	1	7.59E-73	CMT1A duplicated region transcript 15-like 2	ENSG00000214819
CDX2	chr13:28532479-28533277	1	3.98E-83	caudal type homeobox 2	ENSG00000165556
CENPE	chr4:104218773-104219716	1	2.82E-120	centromere protein E, 312kDa	ENSG00000138778
CENPF	chr1:214921828-214922497	1	2.57E-74	centromere protein F, 350/400kDa	ENSG00000117724
CEP170	chr1:243392556-243393278	1	1.07E-98	centrosomal protein 170kDa	ENSG00000143702
CFHR3	chr1:196742951-196743734	1	7.24E-91	complement factor H-related 3	ENSG00000116785

CFLAR	chr2:201960224-201961261	1	3.98E-126	CASP8 and FADD-like apoptosis regulator	
ENSG00000003402					
CGGBP1	chr3:88432688-88433469	1	2.75E-97	CGG triplet repeat binding protein 1	ENSG00000163320
CHAC1	chr15:41238651-41239228	1	3.63E-86	ChaC, cation transport regulator homolog 1 (E. coli)	
ENSG00000128965					
CHAC2	chr2:53691014-53691596	1	5.62E-79	ChaC, cation transport regulator homolog 2 (E. coli)	
ENSG00000143942					
CHAT	chr10:50792856-50793900	1	5.25E-80	choline O-acetyltransferase	ENSG00000070748
CHCHD5	chr2:113327354-113328932	1	8.51E-77	coiled-coil-helix-coiled-coil-helix domain containing	
5	ENSG00000125611				
CHD7	chr8:61660205-61660764	1	9.55E-76	chromodomain helicase DNA binding protein 7	
ENSG00000171316					
CHIC1	chrX:72843789-72844631	1	2.57E-78	cysteine-rich hydrophobic domain 1	ENSG00000204116
CHKA	chr11:67922524-67922990	1	2.40E-82	choline kinase alpha	ENSG00000110721
CHN1	chr2:175864746-175865740	1	3.47E-74	chimerin 1	ENSG00000128656
CHPT1	chr12:102041136-102041642	1	2.19E-76	choline phosphotransferase 1	ENSG00000111666
CHRD1	chrX:109950834-109951774	1	4.68E-127	chordin-like 1	ENSG00000101938
CHRM3	chr1:239585685-239707074	5	1.91E-79	cholinergic receptor, muscarinic 3	
ENSG00000133019					
CHRNA3	chr15:78888727-78889742	1	3.80E-102	cholinergic receptor, nicotinic, alpha 3 (neuronal)	
ENSG00000080644					
CHRNA3	chr1:154552734-154553889	1	1.29E-124	cholinergic receptor, nicotinic, beta 2 (neuronal)	
ENSG00000160716					
CHST2	chr3:142843185-142844193	1	3.72E-106	carbohydrate (N-acetylglucosamine-6-O)	
sulfotransferase 2	ENSG00000175040				
CHST4	chr16:71565634-71566746	1	1.26E-75	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	
ENSG00000140835					
CHSY1	chr15:101757807-101758884	1	3.55E-82	chondroitin sulfate synthase 1	ENSG00000131873
CISD2	chr4:103850389-103850944	1	3.02E-103	CDGSH iron sulfur domain 2	ENSG00000145354
CKB	chr14:103925588-103927165	1	1.66E-135	creatine kinase, brain	ENSG00000166165
CLDN2	chrX:106132264-106133911	1	7.94E-99	claudin 2	ENSG00000165376
CLDN3	chr7:73212590-73213514	1	1.62E-75	claudin 3	ENSG00000262073
CLK4	chr5:178037233-178038065	1	2.95E-103	CDC-like kinase 4	ENSG00000113240
CLTC	chr17:57685953-57714421	2	1.41E-111	clathrin, heavy chain (Hc)	ENSG00000141367
CNIH3	chr1:224864209-224865613	1	4.57E-103	cornichon family AMPA receptor auxiliary protein 3	
ENSG00000143786					
CNKSR2	chrX:21406708-21407386	1	2.82E-79	connector enhancer of kinase suppressor of Ras 2	
ENSG00000149970					
CNKSR3	chr6:154825115-154826132	1	1.35E-82	CNKSR family member 3	ENSG00000153721
CNN3	chr1:95381975-95383106	1	1.66E-111	calponin 3, acidic	ENSG00000117519
CNNM1	chr10:101105670-101106671	1	2.51E-95	cyclin M1	ENSG00000119946
CNOT4	chr7:135104915-135105838	1	2.95E-98	CCR4-NOT transcription complex, subunit 4	
ENSG00000080802					
CNOT6	chr5:179895604-179896254	1	9.12E-83	CCR4-NOT transcription complex, subunit 6	
ENSG00000113300					
CNOT6L	chr4:78746958-78747896	1	4.37E-85	CCR4-NOT transcription complex, subunit 6-like	
ENSG00000138767					
CNOT8	chr5:154253239-154254102	1	1.62E-102	CCR4-NOT transcription complex, subunit 8	
ENSG00000155508					
CNTN1	chr12:41138820-41139487	1	1.26E-80	contactin 1	ENSG00000018236
CNTN3	chr3:74550261-74550909	1	6.61E-73	contactin 3 (plasmacytoma associated)	ENSG00000113805
CNTNAP3	chr9:39080255-39081263	1	1.41E-94	contactin associated protein-like 3	ENSG00000106714
CNTNAP3B	chr9:44137873-44138412	1	6.76E-72	contactin associated protein-like 3B	
ENSG00000154529					



CNTNAP5 chr2:125625852-125626711	1	7.76E-94	contactin associated protein-like 5	
ENSG00000155052				
COBL chr7:51315030-51316176	1	6.03E-97	cordon-bleu WH2 repeat protein	ENSG00000106078
COG3 chr13:46070843-46071887	1	5.37E-74	component of oligomeric golgi complex 3	ENSG00000136152
COL11A1 chr1:103734500-103735448	1	2.34E-81	collagen, type XI, alpha 1	ENSG00000060718
COL13A1 chr10:71650119-71651027	1	3.80E-138	collagen, type XIII, alpha 1	ENSG00000197467
COL14A1 chr8:121122490-121123747	1	1.32E-100	collagen, type XIV, alpha 1	ENSG00000187955
COL21A1 chr6:56015465-56201941	2	1.73E-74	collagen, type XXI, alpha 1	ENSG00000124749
COL24A1 chr1:86481294-86543010	2	1.29E-76	collagen, type XXIV, alpha 1	ENSG00000171502
COL25A1 chr4:110026219-110026613	1	6.31E-72	collagen, type XXV, alpha 1	ENSG00000188517
COL2A1 chr12:48443852-48444559	1	5.37E-88	collagen, type II, alpha 1	ENSG00000139219
COMMD9 chr11:36307615-36308112	1	1.86E-84	COMM domain containing 9	ENSG00000110442
COPB1 chr11:14505314-14506054	1	5.62E-78	coatomer protein complex, subunit beta 1	
ENSG00000129083				
CORO6 chr17:28030303-28101541	2	1.38E-74	coronin 6	ENSG00000167549
COX6A2 chr16:31442166-31443265	1	3.89E-80	cytochrome c oxidase subunit VIa polypeptide 2	
ENSG00000156885				
CPNE4 chr3:131704428-131704902	1	2.63E-74	copine IV	ENSG00000196353
CPOX chr3:98337083-98337947	1	4.90E-76	coproporphyrinogen oxidase	ENSG00000080819
CPXCR1 chrX:87540431-88433744	2	1.15E-73	CPX chromosome region, candidate 1	
ENSG00000147183				
CRB1 chr1:197342168-197343693	1	9.55E-147	crumbs homolog 1 (Drosophila)	ENSG00000134376
CREB5 chr7:28584176-28647843	2	3.10E-75	cAMP responsive element binding protein 5	
ENSG00000146592				
CSRNP3 chr2:166258378-166380626	2	5.12E-82	cysteine-serine-rich nuclear protein 3	
ENSG00000178662				
CSRP3 chr11:19186289-19186974	1	1.95E-78	cysteine and glycine-rich protein 3 (cardiac LIM protein)	
ENSG00000129170				
CSTF2T chr10:53748796-53762824	2	7.92E-77	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa, tau variant	ENSG00000177613
CT47A1 chrX:120137241-120137830	1	4.79E-78	cancer/testis antigen family 47, member A1	
ENSG00000236371				
CT47B1 chrX:119994545-119995701	1	2.75E-74	cancer/testis antigen family 47, member B1	
ENSG00000236446				
CTAGE1 chr18:20169910-20170778	1	3.31E-81	cutaneous T-cell lymphoma-associated antigen 1	
ENSG00000212710				
CTAGE11P chr13:75535023-75922880	8	2.44E-75	CTAGE family, member 11, pseudogene	
ENSG00000214249				
CTGF chr6:132209882-132210507	1	1.70E-77	connective tissue growth factor	ENSG00000118523
CTNND1 chr11:57593814-57594650	1	2.75E-74	catenin (cadherin-associated protein), delta 1	
ENSG00000198561				
CTSK chr1:150779807-150780858	1	9.12E-96	cathepsin K	ENSG00000143387
CUL4B chrX:119672767-119678714	2	8.49E-76	cullin 4B	ENSG00000158290
CUL5 chr11:107902206-107935403	2	8.69E-81	cullin 5	ENSG00000166266
CWH43 chr4:49159638-49555365	3	4.71E-84	cell wall biogenesis 43 C-terminal homolog (S. cerevisiae)	
ENSG00000109182				
CXCL13 chr4:78292243-78293556	1	1.38E-86	chemokine (C-X-C motif) ligand 13	ENSG00000156234
CXorf27 chrX:37779563-37780597	1	2.45E-86	chromosome X open reading frame 27	ENSG00000187516
CXorf57 chrX:105843413-105844040	1	2.82E-73	chromosome X open reading frame 57	
ENSG00000147231				
CXorf64 chrX:126102708-126434246	2	4.89E-74	chromosome X open reading frame 64	
ENSG00000183631				
CYCS chr7:25181214-25181623	1	1.35E-84	cytochrome c, somatic	ENSG00000172115
CYFIP1 chr15:22868389-22869366	1	3.98E-81	cytoplasmic FMR1 interacting protein 1	ENSG00000068793

CYP20A1 chr2:204090560-204091418 1 ENSG00000119004	1	6.92E-73	cytochrome P450, family 20, subfamily A, polypeptide	
CYP2B6 chr19:41539058-41540010 1 ENSG00000197408	1	3.63E-78	cytochrome P450, family 2, subfamily B, polypeptide 6	
CYP2J2 chr1:60363743-60403521 2 ENSG00000134716	2	8.11E-129	cytochrome P450, family 2, subfamily J, polypeptide 2	
CYP2R1 chr11:14929382-14930290 1 ENSG00000262968	1	4.27E-77	cytochrome P450, family 2, subfamily R, polypeptide 1	
CYP2S1 chr19:41700214-41701079 1 ENSG00000167600	1	4.37E-78	cytochrome P450, family 2, subfamily S, polypeptide 1	
CYP3A7 chr7:99351473-99352091 1 ENSG00000160870	1	2.24E-74	cytochrome P450, family 3, subfamily A, polypeptide 7	
CYTH1 chr17:76717575-76719026 1	1	2.14E-81	cytohesin 1	ENSG00000108669
CYTIP chr2:158288993-158290069 1	1	2.88E-82	cytohesin 1 interacting protein	ENSG00000115165
DAB1 chr1:58663916-58796301 3 ENSG00000173406	3	2.25E-73	Dab, reelin signal transducer, homolog 1 (Drosophila)	
DACH1 chr13:71638896-72817587 13	13	3.06E-73	dachshund homolog 1 (Drosophila)	ENSG00000165659
DACH2 chrX:86038123-86038667 1	1	1.20E-77	dachshund homolog 2 (Drosophila)	ENSG00000126733
DACT1 chr14:59072576-59108369 2 ENSG00000165617	2	9.75E-79	dishevelled-binding antagonist of beta-catenin 1	
DACT3 chr19:47172366-47173479 1 ENSG00000197380	1	8.91E-79	dishevelled-binding antagonist of beta-catenin 3	
DAPK1 chr9:89940847-89942089 1	1	2.34E-73	death-associated protein kinase 1	ENSG00000196730
DAPL1 chr2:159668183-159668800 1	1	4.47E-73	death associated protein-like 1	ENSG00000163331
DARS2 chr1:173809166-173810478 1 ENSG00000117593	1	4.90E-86	aspartyl-tRNA synthetase 2, mitochondrial	
DCAF4L2 chr8:88909864-88910602 1 ENSG00000176566	1	3.31E-78	DDB1 and CUL4 associated factor 4-like 2	
DCBLD1 chr6:117847953-117849054 1 ENSG00000164465	1	1.51E-90	discoidin, CUB and LCCL domain containing 1	
DCBLD2 chr3:98727798-98728939 1 ENSG00000057019	1	2.09E-76	discoidin, CUB and LCCL domain containing 2	
DCK chr4:71869770-71870606 1	1	1.38E-96	deoxycytidine kinase	ENSG00000156136
DCLK3 chr3:36774262-36775029 1	1	5.62E-75	doublecortin-like kinase 3	ENSG00000163673
DCLRE1A chr10:115592949-115593796 1	1	1.82E-92	DNA cross-link repair 1A	ENSG00000198924
DCT chr13:94505926-95092317 5	5	1.96E-76	dopachrome tautomerase	ENSG00000080166
DDAH1 chr1:85919184-85920811 1 ENSG00000153904	1	1.62E-119	dimethylarginine dimethylaminohydrolase 1	
DDX10 chr11:108571800-108572491 1 ENSG00000178105	1	9.77E-85	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	
DDX31 chr9:135642957-135643618 1 ENSG00000125485	1	2.29E-81	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31	
DDX60L chr4:169408441-169409142 1 ENSG00000181381	1	6.61E-73	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like	
DEFB123 chr20:30020890-30022480 1	1	7.94E-77	defensin, beta 123	ENSG00000180424
DENND1A chr9:126687991-126688826 1 ENSG00000119522	1	4.68E-79	DENN/MADD domain containing 1A	
DEPDC1 chr1:68992744-69471400 5	5	3.56E-77	DEP domain containing 1	ENSG00000024526
DEPDC7 chr11:33001567-33002787 1	1	6.46E-106	DEP domain containing 7	ENSG00000121690
DEPTOR chr8:120902214-120903074 1 ENSG00000155792	1	1.91E-76	DEP domain containing MTOR-interacting protein	
DERL3 chr22:24187743-24188417 1	1	9.77E-85	derlin 3	ENSG00000099958
DFNA5 chr7:24839767-24890997 2	2	7.40E-74	deafness, autosomal dominant 5	ENSG00000105928
DGCR11 chr22:19069709-19070543 1	1	1.45E-73	DiGeorge syndrome critical region gene 11 (non-protein)	

coding) ENSG00000273311

DHDDS	chr1:26771793-26772691	1	1.26E-74	dehydrodolichyl diphosphate synthase	ENSG00000117682
DHRS7B	chr17:21062425-21063637	1	8.13E-130	dehydrogenase/reductase (SDR family) member 7B	
ENSG00000109016					
DIRAS3	chr1:68441876-68442601	1	7.94E-74	DIRAS family, GTP-binding RAS-like 3	
ENSG00000162595					
DIRC1	chr2:189611695-189612251	1	1.58E-82	disrupted in renal carcinoma 1	ENSG00000174325
DIS3	chr13:73394146-73479627	2	4.77E-79	DIS3 mitotic control homolog (S. cerevisiae)	
ENSG00000083520					
DIS3L2	chr2:233019852-233020922	1	1.48E-91	DIS3 mitotic control homolog (S. cerevisiae)-like 2	
ENSG00000144535					
DKK1	chr10:54247272-54248118	1	2.24E-78	dickkopf WNT signaling pathway inhibitor 1	
ENSG00000107984					
DLD	chr7:107537321-107538454	1	2.29E-133	dihydrolipoamide dehydrogenase	ENSG00000091140
DLEU7	chr13:51264773-51265671	1	3.31E-101	deleted in lymphocytic leukemia, 7	ENSG00000186047
DLG2	chr11:85326089-85326529	1	6.61E-73	discs, large homolog 2 (Drosophila)	ENSG00000150672
DLG3	chrX:69827851-69828736	1	2.00E-79	discs, large homolog 3 (Drosophila)	ENSG00000082458
DMTF1	chr7:86758586-86759697	1	7.24E-124	cyclin D binding myb-like transcription factor 1	
ENSG00000135164					
DMXL1	chr5:118484541-118485423	1	1.20E-115	Dmx-like 1	ENSG00000172869
DNAH14	chr1:225220522-225221181	1	1.70E-75	dynein, axonemal, heavy chain 14	
ENSG00000185842					
DNAJB7	chr22:41274630-41275636	1	6.17E-81	DnaJ (Hsp40) homolog, subfamily B, member 7	
ENSG00000172404					
DNAJC10	chr2:183590159-183633377	2	4.67E-73	DnaJ (Hsp40) homolog, subfamily C, member 10	
ENSG00000077232					
DNER	chr2:230503874-230504575	1	4.27E-95	delta/notch-like EGF repeat containing	
ENSG00000187957					
DNM3	chr1:171922232-171923223	1	2.00E-93	dynammin 3	ENSG00000197959
DNMT1	chr19:10281563-10282463	1	1.78E-79	DNA (cytosine-5-)-methyltransferase 1	ENSG00000130816
DNTTIP2	chr1:94349802-94350697	1	7.24E-79	deoxynucleotidyltransferase, terminal, interacting protein 2	
ENSG00000067334					
DPF3	chr14:72901256-72902166	1	2.09E-82	D4, zinc and double PHD fingers, family 3	
ENSG00000205683					
DPH5	chr1:101445582-101446505	1	2.95E-98	diphthamide biosynthesis 5	ENSG00000117543
DPT	chr1:168657494-168692348	2	1.99E-73	dermatopontin	ENSG00000143196
DPY19L2P1	chr7:35168023-35168603	1	6.31E-73	DPY19L2 pseudogene 1	ENSG00000189212
DPY19L2P2	chr7:102882006-102882804	1	3.39E-74	DPY19L2 pseudogene 2	ENSG00000170629
DPYD	chr1:97976045-98083277	2	4.26E-73	dihydropyrimidine dehydrogenase	ENSG00000188641
DPYSL3	chr5:146914191-146914807	1	1.29E-74	dihydropyrimidinase-like 3	ENSG00000113657
DPYSL5	chr2:27077062-27078260	1	1.74E-131	dihydropyrimidinase-like 5	ENSG00000157851
DSC3	chr18:28353014-28354077	1	5.37E-79	desmocollin 3	ENSG00000134762
DSCAM	chr21:42258116-42340257	2	8.04E-73	Down syndrome cell adhesion molecule	
ENSG00000171587					
DSCAML1	chr11:117561071-117561954	1	3.89E-74	Down syndrome cell adhesion molecule like 1	
ENSG00000177103					
DSCR3	chr21:38683360-38684212	1	1.15E-94	Down syndrome critical region gene 3	ENSG00000157538
DSE	chr6:116623473-116624370	1	9.33E-87	dermatan sulfate epimerase	ENSG00000111817
DSG2	chr18:29113948-29114740	1	1.10E-121	desmoglein 2	ENSG00000046604
DTL	chr1:212205653-212206680	1	7.08E-110	denticleless E3 ubiquitin protein ligase homolog (Drosophila)	ENSG00000143476
DTNA	chr18:32304661-32305871	1	5.01E-96	dystrobrevin, alpha	ENSG00000134769
DTNBP1	chr6:15616375-15719558	2	8.89E-73	dystrobrevin binding protein 1	ENSG00000047579
DTX1	chr12:113486902-113488809	1	2.88E-233	deltex homolog 1 (Drosophila)	ENSG00000135144

DUSP1	chr5:172157225-172158244	1	8.13E-111	dual specificity phosphatase 1	ENSG00000120129
EBF1	chr5:158384893-158385769	1	2.29E-80	early B-cell factor 1	ENSG00000164330
EBF2	chr8:25634341-25635464	1	5.62E-78	early B-cell factor 2	ENSG00000221818
EBLN2	chr3:73094167-73095269	1	4.27E-85	endogenous Bornavirus-like nucleoprotein 2	ENSG00000255423
EBPL	chr13:50290624-50291369	1	2.09E-77	emopamil binding protein-like	ENSG00000123179
ECHDC1	chr6:127638705-127639642	1	2.88E-74	enoyl CoA hydratase domain containing 1	ENSG00000093144
ECHDC3	chr10:11781093-11782110	1	2.69E-73	enoyl CoA hydratase domain containing 3	ENSG00000134463
ECI2	chr6:4112695-4363615	2	4.26E-82	enoyl-CoA delta isomerase 2	ENSG00000198721
ECT2	chr3:172485225-172579549	2	3.30E-73	epithelial cell transforming sequence 2 oncogene	ENSG00000114346
EDN1	chr6:12196244-12197294	1	1.91E-79	endothelin 1	ENSG00000078401
EDNRA	chr4:148452691-148453463	1	1.95E-74	endothelin receptor type A	ENSG00000151617
EDNRB	chr13:78411523-78852793	2	2.23E-74	endothelin receptor type B	ENSG00000136160
EEFSEC	chr3:127934325-127935031	1	5.75E-82	eukaryotic elongation factor, selenocysteine-tRNA-specific	ENSG00000132394
EFHB	chr3:19867647-19868805	1	2.29E-90	EF-hand domain family, member B	ENSG00000163576
EFNA5	chr5:106408744-106409332	1	6.31E-72	ephrin-A5	ENSG00000184349
EHF	chr11:34636419-34637247	1	8.32E-80	ets homologous factor	ENSG00000135373
EIF2A	chr3:150279971-150280572	1	1.66E-76	eukaryotic translation initiation factor 2A, 65kDa	ENSG00000144895
EIF3E	chr8:109266626-109267336	1	6.61E-94	eukaryotic translation initiation factor 3, subunit E	ENSG00000104408
EIF3H	chr8:117607482-117608736	1	1.12E-81	eukaryotic translation initiation factor 3, subunit H	ENSG00000147677
ELAC2	chr17:13081939-13082620	1	6.31E-73	elaC ribonuclease Z 2	ENSG00000006744
ELK3	chr12:96585413-96666698	2	4.77E-83	ELK3, ETS-domain protein (SRF accessory protein 2)	ENSG00000111145
ELK4	chr1:205576229-205576865	1	9.55E-79	ELK4, ETS-domain protein (SRF accessory protein 1)	ENSG00000158711
ELTD1	chr1:79501179-79804065	3	2.84E-74	EGF, latrophilin and seven transmembrane domain containing 1	ENSG00000162618
EMBP1	chr1:121235428-121235982	1	2.51E-81	embigin pseudogene 1	ENSG00000265305
EML1	chr14:100330296-100330878	1	6.46E-106	echinoderm microtubule associated protein like 1	ENSG00000066629
EMX2OS	chr10:119465254-119466138	1	7.24E-97	EMX2 opposite strand/antisense RNA	ENSG00000229847
EN2	chr7:155220537-155221327	1	3.80E-96	engrailed homeobox 2	ENSG00000164778
ENO4	chr10:118598184-118599283	1	9.55E-91	enolase family member 4	ENSG00000188316
ENOX2	chrX:129902426-129903292	1	2.04E-81	ecto-NOX disulfide-thiol exchanger 2	ENSG00000165675
ENPEP	chr4:111325790-111326760	1	1.66E-76	glutamyl aminopeptidase (aminopeptidase A)	ENSG00000138792
ENTPD1	chr10:97462566-97463816	1	2.82E-72	ectonucleoside triphosphate diphosphohydrolase 1	ENSG00000138185
EPB41L2	chr6:131419219-131420042	1	4.17E-92	erythrocyte membrane protein band 4.1-like 2	ENSG00000079819
EPDR1	chr7:37967305-37967949	1	1.66E-87	ependymin related 1	ENSG00000086289
EPHA2	chr1:16496047-16497078	1	3.02E-99	EPH receptor A2	ENSG00000142627
EPHA3	chr3:89409231-89410103	1	3.16E-75	EPH receptor A3	ENSG00000044524
EPHA4	chr2:221761747-221762461	1	5.25E-81	EPH receptor A4	ENSG00000116106
EPHA6	chr3:95608671-96246693	2	4.77E-79	EPH receptor A6	ENSG00000080224

EPHX4	chr1:92471752-92472457	1	9.33E-80	epoxide hydrolase 4	ENSG00000172031
EPS15	chr1:52016046-52016715	1	2.00E-90	epidermal growth factor receptor pathway substrate 15	
ENSG00000085832					
ERBB4	chr2:213520919-213521562	1	1.15E-83	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 4	ENSG00000178568
ERC1	chr12:1260603-1261153	1	2.51E-123	ELKS/RAB6-interacting/CAST family member 1	
ENSG00000082805					
ERCC6L	chrX:71450686-71451743	1	1.74E-89	excision repair cross-complementing rodent repair deficiency, complementation group 6-like	ENSG00000186871
ERH	chr14:69805631-69806375	1	1.58E-77	enhancer of rudimentary homolog (Drosophila)	
ENSG00000100632					
ERN1	chr17:62161724-62163043	1	1.82E-137	endoplasmic reticulum to nucleus signaling 1	
ENSG00000178607					
ERRFI1	chr1:8228430-8229841	1	5.75E-95	ERBB receptor feedback inhibitor 1	ENSG00000116285
ESAM	chr11:124650667-124651504	1	1.05E-75	endothelial cell adhesion molecule	
ENSG00000149564					
ESR1	chr6:152342070-152343055	1	7.24E-109	estrogen receptor 1	ENSG00000091831
ESR2	chr14:64646547-64647308	1	2.69E-90	estrogen receptor 2 (ER beta)	ENSG00000140009
ESRRG	chr1:217084569-217085229	1	1.70E-81	estrogen-related receptor gamma	ENSG00000196482
ETV1	chr7:13893971-14307371	2	6.59E-86	ets variant 1	ENSG00000006468
ETV3	chr1:157265103-157265720	1	1.00E-80	ets variant 3	ENSG00000117036
EVX1	chr7:27425995-27426742	1	3.47E-77	even-skipped homeobox 1	ENSG00000106038
EXO1	chr1:241921306-241922039	1	3.47E-97	exonuclease 1	ENSG00000174371
EXOC4	chr7:133140365-133141574	1	1.48E-80	exocyst complex component 4	ENSG00000131558
EXOC8	chr1:231446434-231447545	1	3.72E-93	exocyst complex component 8	ENSG00000116903
EXTL2	chr1:101351719-101352915	1	9.12E-128	exostosin-like glycosyltransferase 2	
ENSG00000162694					
EYA3	chr1:28368294-28369668	1	6.76E-146	eyes absent homolog 3 (Drosophila)	ENSG00000158161
EYA4	chr6:133533133-133533870	1	1.66E-72	eyes absent homolog 4 (Drosophila)	
ENSG00000112319					
EZH2	chr7:148524407-148525505	1	1.78E-85	enhancer of zeste homolog 2 (Drosophila)	
ENSG00000106462					
F2	chr11:46749052-46749782	1	6.61E-73	coagulation factor II (thrombin)	ENSG00000180210
F8	chrX:154204059-154204729	1	2.95E-80	coagulation factor VIII, procoagulant component	
ENSG00000269261					
FAM115A	chr7:143600235-143601044	1	6.76E-82	family with sequence similarity 115, member A	
ENSG00000198420					
FAM117B	chr2:203371253-203372086	1	2.82E-79	family with sequence similarity 117, member B	
ENSG00000138439					
FAM120C	chrX:54214258-54214901	1	6.92E-79	family with sequence similarity 120C	ENSG00000268158
FAM122A	chr9:71389126-71390247	1	3.98E-73	family with sequence similarity 122A	ENSG00000187866
FAM122B	chrX:133931591-133932279	1	6.61E-73	family with sequence similarity 122B	
ENSG00000156504					
FAM122C	chrX:133890469-133928844	2	3.88E-83	family with sequence similarity 122C	
ENSG00000156500					
FAM129A	chr1:184947117-184948108	1	9.77E-91	family with sequence similarity 129, member A	
ENSG00000135842					
FAM133B	chr7:92224998-92226022	1	2.51E-104	family with sequence similarity 133, member B	
ENSG00000234545					
FAM135A	chr6:71155464-71156483	1	4.27E-77	family with sequence similarity 135, member A	
ENSG00000082269					
FAM138E	chr15:102485559-102486221	1	3.47E-97	family with sequence similarity 138, member E	
ENSG00000248893					
FAM154A	chr9:18934735-18935379	1	2.57E-77	family with sequence similarity 154, member A	

ENSG00000155875

FAM160B1 chr10:116613768-116615168 1 2.69E-117 family with sequence similarity 160, member B1 ENSG00000151553

FAM170A chr5:119080312-119081432 1 3.02E-78 family with sequence similarity 170, member A

ENSG00000164334

FAM177B chr1:222924426-222925134 1 9.77E-85 family with sequence similarity 177, member B

ENSG00000197520

FAM180A chr7:135487446-135488376 1 2.34E-103 family with sequence similarity 180, member A

ENSG00000189320

FAM182B chr20:25882411-25883167 1 3.09E-94 family with sequence similarity 182, member B

ENSG00000175170

FAM188A chr10:15903910-16155104 2 8.12E-82 family with sequence similarity 188, member A

ENSG00000148481

FAM196A chr10:129085305-129086336 1 2.14E-115 family with sequence similarity 196, member A

ENSG00000188916

FAM204A chr10:119970236-119971289 1 5.25E-74 family with sequence similarity 204, member A

ENSG00000165669

FAM20C chr7:138277-138885 1 6.46E-82 family with sequence similarity 20, member C

ENSG00000177706

FAM27C chr9:44355486-45355104 2 3.64E-90 family with sequence similarity 27, member C

ENSG00000154537

FAM46C chr1:118237207-118237920 1 1.74E-106 family with sequence similarity 46, member C

ENSG00000183508

FAM60A chr12:31600720-31601485 1 5.62E-87 family with sequence similarity 60, member A

ENSG00000139146

FAM65B chr6:24953707-24964452 2 4.89E-96 family with sequence similarity 65, member B

ENSG00000111913

FAM69A chr1:93454855-93455492 1 6.61E-73 family with sequence similarity 69, member A

ENSG00000154511

FAM90A1 chr12:8361278-8362773 1 2.14E-96 family with sequence similarity 90, member A1

ENSG00000171847

FARS2 chr6:5291182-5353398 2 2.13E-75 phenylalanyl-tRNA synthetase 2, mitochondrial

ENSG00000145982

FASLG chr1:172651438-172652411 1 1.62E-81 Fas ligand (TNF superfamily, member 6)

ENSG00000117560

FBF1 chr17:73953564-73955310 1 3.09E-108 Fas (TNFRSF6) binding factor 1 ENSG00000188878

FBXL14 chr12:1699364-1700364 1 7.24E-79 F-box and leucine-rich repeat protein 14

ENSG00000171823

FBXL4 chr6:99537738-99538918 1 2.75E-88 F-box and leucine-rich repeat protein 4 ENSG00000112234

FBXO16 chr8:28323796-28324594 1 1.62E-98 F-box protein 16 ENSG00000214050

FBXO36 chr2:230827343-230828419 1 4.17E-75 F-box protein 36 ENSG00000153832

FCRL3 chr1:157672805-157673999 1 2.57E-114 Fc receptor-like 3 ENSG00000160856

FER chr5:107978431-107979142 1 3.47E-97 fer (fps/fes related) tyrosine kinase ENSG00000151422

FEZF1 chr7:122110588-122111262 1 9.77E-85 FEZ family zinc finger 1 ENSG00000128610

FGA chr4:155521560-155522401 1 3.89E-84 fibrinogen alpha chain ENSG00000171560

FGD4 chr12:32629096-32630254 1 2.29E-90 FYVE, RhoGEF and PH domain containing 4

ENSG00000139132

FGD6 chr12:95564811-95565550 1 3.63E-90 FYVE, RhoGEF and PH domain containing 6

ENSG00000180263

FGF2 chr4:123727873-123728973 1 4.79E-80 fibroblast growth factor 2 (basic) ENSG00000138685

FGF20 chr8:16478867-16778245 9 8.91E-78 fibroblast growth factor 20 ENSG00000078579

FGFR2 chr10:123429028-123430336 1 2.29E-92 fibroblast growth factor receptor 2

ENSG00000066468

FGGY chr1:59711383-59920490 2 4.67E-88 FGGY carbohydrate kinase domain containing

ENSG00000172456

FHIT	chr3:60541841-61307753	2	3.18E-73	fragile histidine triad	ENSG00000262683
FMN2	chr1:240291670-240478972	2	1.38E-104	formin 2	ENSG00000155816
FMNL2	chr2:153127196-153360716	2	1.17E-86	formin-like 2	ENSG00000157827
FMO2	chr1:171161081-171161871	1	9.12E-75	flavin containing monooxygenase 2 (non-functional)	
ENSG00000094963					
FMO3	chr1:171036344-171037171	1	1.07E-97	flavin containing monooxygenase 3	
ENSG00000007933					
FNBP1L	chr1:93910942-93985704	2	3.62E-79	formin binding protein 1-like	ENSG00000137942
FOLR1	chr11:71877548-71878476	1	1.45E-80	folate receptor 1 (adult)	ENSG00000110195
FOLR4	chr11:94043420-94044063	1	6.61E-73	folate receptor 4, delta (putative)	ENSG00000183560
FOXC1	chr6:1628646-1629397	1	2.45E-85	forkhead box C1	ENSG00000054598
FOXD4L3	chr9:70836435-70837804	1	2.45E-102	forkhead box D4-like 3	ENSG00000266157
FOXI2	chr10:129517635-129518186	1	1.07E-76	forkhead box I2	ENSG00000186766
FOXK1	chr7:4206540-4207167	1	6.61E-73	forkhead box K1	ENSG00000164916
FOXO1	chr13:41170725-41171270	1	6.61E-73	forkhead box O1	ENSG00000150907
FOXP2	chr7:113843450-113843922	1	1.35E-74	forkhead box P2	ENSG00000128573
FRG1B	chr20:29446460-29611125	5	2.35E-73	FSHD region gene 1 family, member B	
ENSG00000149531					
FRMD1	chr6:168540956-168541543	1	4.79E-72	FERM domain containing 1	ENSG00000153303
FRMD4B	chr3:69478962-69540678	2	1.35E-89	FERM domain containing 4B	ENSG00000114541
FRMD7	chrX:131211207-131212326	1	8.32E-86	FERM domain containing 7	ENSG00000165694
FRRS1	chr1:100226717-100227647	1	2.34E-80	ferric-chelate reductase 1	ENSG00000156869
FSTL5	chr4:162192721-162193211	1	4.90E-72	follistatin-like 5	ENSG00000168843
FTHL17	chrX:31070166-31070964	1	4.57E-89	ferritin, heavy polypeptide-like 17	ENSG00000132446
FUCA2	chr6:143818693-143828381	2	9.98E-102	fucosidase, alpha-L- 2, plasma	ENSG00000001036
FUT10	chr8:33259159-33259853	1	1.95E-83	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)	
ENSG00000172728					
FZD1	chr7:90763654-90764219	1	6.92E-88	frizzled family receptor 1	ENSG00000157240
FZD4	chr11:86631659-86632596	1	7.41E-91	frizzled family receptor 4	ENSG00000174804
FZD7	chr2:202939829-202940127	1	1.26E-101	frizzled family receptor 7	ENSG00000155760
G2E3	chr14:30770881-30771356	1	6.31E-88	G2/M-phase specific E3 ubiquitin protein ligase	
ENSG00000092140					
GABRR3	chr3:97774847-97775603	1	3.47E-76	gamma-aminobutyric acid (GABA) A receptor, rho 3	
ENSG00000183185					
GADD45A	chr1:68078151-68124369	2	4.26E-76	growth arrest and DNA-damage-inducible, alpha	
ENSG00000116717					
GADL1	chr3:30941562-30942632	1	8.32E-111	glutamate decarboxylase-like 1	ENSG00000144644
GALNT11	chr7:151886640-151887464	1	1.35E-74	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 11 (GalNAc-T11)	ENSG00000178234
GALNT13	chr2:155071120-155071851	1	6.03E-104	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13)	ENSG00000144278
GALNT2	chr1:229983573-230153930	2	1.51E-79	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2)	ENSG00000143641
GALNT8	chr12:4848706-4849551	1	1.07E-83	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 8 (GalNAc-T8)	ENSG00000130035
GAS1	chr9:89585014-89586069	1	6.03E-78	growth arrest-specific 1	ENSG00000180447
GAS7	chr17:10168054-10169002	1	8.91E-87	growth arrest-specific 7	ENSG00000007237
GATA3	chr10:8615752-8881923	2	4.77E-76	GATA binding protein 3	ENSG00000107485
GBE1	chr3:81474839-81556284	2	3.97E-114	glucan (1,4-alpha-), branching enzyme 1	ENSG00000114480
GBP3	chr1:89484605-89485436	1	8.13E-76	guanylate binding protein 3	ENSG00000117226
GBX2	chr2:236782715-236783805	1	1.15E-73	gastrulation brain homeobox 2	ENSG00000168505
GCC1	chr7:127193460-127194248	1	9.55E-73	GRIP and coiled-coil domain containing 1	
ENSG00000179562					

GDAP2	chr1:118393698-118394790	1	1.95E-91	ganglioside induced differentiation associated protein 2	ENSG00000196505
GEM	chr8:95354809-95355409	1	1.66E-89	GTP binding protein overexpressed in skeletal muscle	ENSG00000164949
GFPT1	chr2:69579306-69580284	1	1.62E-79	glutamine--fructose-6-phosphate transaminase 1	ENSG00000198380
GFRA1	chr10:118034628-118035855	1	9.12E-111	GDNF family receptor alpha 1	ENSG00000151892
GFRAL	chr6:55314233-55315314	1	9.12E-104	GDNF family receptor alpha like	ENSG00000187871
GGT8P	chr2:91913664-91914498	1	1.12E-78	gamma-glutamyltransferase 8 pseudogene	ENSG00000236969
GGTLC2	chr22:22989541-22990501	1	8.13E-83	gamma-glutamyltransferase light chain 2	ENSG00000100121
GIPC2	chr1:78531723-78533286	1	1.55E-108	GIPC PDZ domain containing family, member 2	ENSG00000137960
GJA1	chr6:121790215-122207698	2	6.74E-83	gap junction protein, alpha 1, 43kDa	ENSG00000152661
GJA8	chr1:147364061-147365207	1	2.34E-88	gap junction protein, alpha 8, 50kDa	ENSG00000264499
GLCE	chr15:69490559-69491321	1	2.34E-81	glucuronic acid epimerase	ENSG00000138604
GLUD2	chrX:120383640-120723913	3	4.82E-79	glutamate dehydrogenase 2	ENSG00000182890
GMDS	chr6:2146277-2147270	1	5.62E-85	GDP-mannose 4,6-dehydratase	ENSG00000112699
GMPS	chr3:155685731-155686804	1	6.76E-88	guanine monphosphate synthase	ENSG00000163655
GNA12	chr7:2875973-2876919	1	2.09E-73	guanine nucleotide binding protein (G protein) alpha 12	ENSG00000146535
GNA14	chr9:80160719-80161462	1	1.78E-115	guanine nucleotide binding protein (G protein), alpha 14	ENSG00000156049
GNAI1	chr7:79590705-79591102	1	6.31E-72	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	ENSG00000127955
GNG4	chr1:235819629-235820393	1	6.03E-78	guanine nucleotide binding protein (G protein), gamma 4	ENSG00000168243
GOLIM4	chr3:167791438-167792762	1	1.55E-134	golgi integral membrane protein 4	ENSG00000173905
GORASP2	chr2:171889190-171889861	1	9.77E-85	golgi reassembly stacking protein 2, 55kDa	ENSG00000115806
GPAM	chr10:113863900-113865689	1	2.75E-74	glycerol-3-phosphate acyltransferase, mitochondrial	ENSG00000119927
GPC3	chrX:133166410-133167703	1	4.90E-104	glypican 3	ENSG00000147257
GPC4	chrX:132514660-132770704	2	4.36E-81	glypican 4	ENSG00000076716
GPC5	chr13:92304385-92428857	2	4.56E-109	glypican 5	ENSG00000179399
GPC6	chr13:93778009-93779355	1	1.23E-120	glypican 6	ENSG00000183098
GPHB5	chr14:63820982-63865233	2	1.41E-77	glycoprotein hormone beta 5	ENSG00000179600
GPHN	chr14:67134119-67174229	2	6.44E-76	gephyrin	ENSG00000171723
GPM6A	chr4:176943110-176943977	1	6.76E-99	glycoprotein M6A	ENSG00000150625
GPR111	chr6:47564183-47564775	1	1.17E-77	G protein-coupled receptor 111	ENSG00000164393
GPR116	chr6:46850828-46851734	1	2.57E-94	G protein-coupled receptor 116	ENSG00000069122
GPR151	chr5:145895449-145896162	1	9.77E-85	G protein-coupled receptor 151	ENSG00000173250
GPR22	chr7:107066740-107067259	1	3.55E-81	G protein-coupled receptor 22	ENSG00000172209
GPR82	chrX:41642384-41643301	1	3.39E-76	G protein-coupled receptor 82	ENSG00000171657
GPR89A	chr1:145816527-145817107	1	6.31E-73	G protein-coupled receptor 89A	ENSG00000264337
GPR98	chr5:89863604-89864050	1	1.62E-78	G protein-coupled receptor 98	ENSG00000164199
GPRC5B	chr16:19907691-19908407	1	9.55E-79	G protein-coupled receptor, family C, group 5, member B	ENSG00000167191
GRB10	chr7:50886892-51023651	2	5.87E-76	growth factor receptor-bound protein 10	ENSG00000106070
GREB1L	chr18:18838087-18838908	1	2.19E-86	growth regulation by estrogen in breast cancer-like	



ENSG00000141449

GREM2	chr1:240523152-240770405	4	1.65E-74	gremlin 2, DAN family BMP antagonist	
ENSG00000180875					
GRIA3	chrX:121384416-122269345	6	2.05E-76	glutamate receptor, ionotropic, AMPA 3	
ENSG00000125675					
GRID2	chr4:93319499-93320188	1	4.68E-84	glutamate receptor, ionotropic, delta 2	ENSG00000152208
GRM3	chr7:86340843-86341572	1	1.95E-91	glutamate receptor, metabotropic 3	ENSG00000198822
GRXCR1	chr4:43468038-43468750	1	2.75E-75	glutaredoxin, cysteine rich 1	ENSG00000215203
GSK3B	chr3:119789171-119790108	1	1.82E-127	glycogen synthase kinase 3 beta	ENSG00000082701
GSTA7P	chr6:52597599-52598361	1	1.58E-75	glutathione S-transferase alpha 7, pseudogene	
ENSG00000237674					
GTDC1	chr2:145055198-145056016	1	1.05E-92	glycosyltransferase-like domain containing 1	
ENSG00000121964					
GTPBP10	chr7:89950665-89951544	1	1.58E-74	GTP-binding protein 10 (putative)	ENSG00000105793
GUCY2F	chrX:108600968-108622105	2	2.69E-78	guanylate cyclase 2F, retinal	ENSG00000101890
GUSB	chr7:65396682-65398207	1	1.51E-97	glucuronidase, beta	ENSG00000169919
GUSBP1	chr5:21544660-21545740	1	7.08E-104	glucuronidase, beta pseudogene 1	ENSG00000183666
GXYLT1	chr12:42100851-42101741	1	1.91E-73	glucoside xylosyltransferase 1	ENSG00000151233
H2AFJ	chr12:14940713-14941432	1	7.41E-79	H2A histone family, member J	ENSG00000246705
HAPLN3	chr15:89446410-89447309	1	1.45E-72	hyaluronan and proteoglycan link protein 3	
ENSG00000140511					
HDAC11	chr3:13533095-13534332	1	9.33E-99	histone deacetylase 11	ENSG00000163517
HDDC2	chr6:125633241-125634157	1	3.55E-93	HD domain containing 2	ENSG00000111906
HDGFL1	chr6:22498350-23243899	3	1.03E-75	hepatoma derived growth factor-like 1	ENSG00000112273
HEATR1	chr1:236786502-236788011	1	1.55E-96	HEAT repeat containing 1	ENSG00000119285
HEBP2	chr6:138697586-138698350	1	4.27E-87	heme binding protein 2	ENSG00000051620
HECA	chr6:139425793-139427061	1	2.69E-98	headcase homolog (Drosophila)	ENSG00000112406
HECW2	chr2:197322583-197323700	1	3.55E-117	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	ENSG00000138411
HEY1	chr8:80728796-80729866	1	2.88E-99	hes-related family bHLH transcription factor with YRPW motif 1	ENSG00000164683
HGF	chr7:81728459-81729393	1	5.89E-80	"hepatocyte growth factor (hepapoietin A; scatter factor)"	
ENSG00000019991					
HIBCH	chr2:191103419-191104563	1	3.80E-76	3-hydroxyisobutyryl-CoA hydrolase	
ENSG00000198130					
HIF1A	chr14:62145289-62146515	1	2.63E-105	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	ENSG00000100644
HIST1H2BC	chr6:26116465-26117058	1	1.58E-77	histone cluster 1, H2bc	ENSG00000180596
HIST2H2BC	chr1:149819765-149820787	1	1.23E-85	histone cluster 2, H2bc (pseudogene)	
ENSG00000269488					
HIST3H2A	chr1:228630692-228632036	1	1.15E-78	histone cluster 3, H2a	ENSG00000181218
HIVEP2	chr6:143197306-143198111	1	3.16E-113	human immunodeficiency virus type I enhancer binding protein 2	ENSG00000010818
HLCS	chr21:38235115-38235670	1	2.34E-89	holocarboxylase synthetase (biotin-(propionyl-CoA-carboxylase (ATP-hydrolysing)) ligase)	ENSG00000159267
HLX	chr1:221266996-221267936	1	3.24E-102	H2.0-like homeobox	ENSG00000136630
HMCN1	chr1:185552374-185868122	2	2.01E-74	hemicentin 1	ENSG00000143341
HMGA2	chr12:66096203-66096973	1	1.17E-74	high mobility group AT-hook 2	ENSG00000149948
HMGN4	chr6:26536139-26537092	1	1.55E-83	high mobility group nucleosomal binding domain 4	
ENSG00000182952					
HNRNPA1L2	chr13:53138465-53139326	1	5.89E-82	heterogeneous nuclear ribonucleoprotein A1-like 2	
ENSG00000139675					
HNRNPA2B1	chr7:26233575-26234299	1	6.31E-105	heterogeneous nuclear ribonucleoprotein A2/B1	
ENSG00000122566					

HNRNPR	chr1:23597768-23598791	1	1.70E-122	heterogeneous nuclear ribonucleoprotein R	ENSG00000125944
HOOK1	chr1:60267994-60268661	1	1.26E-80	hook microtubule-tethering protein 1	ENSG00000134709
HP1BP3	chr1:21165972-21167046	1	2.95E-93	heterochromatin protein 1, binding protein 3	ENSG00000127483
HPCAL1	chr2:10474610-10475751	1	2.09E-76	hippocalcin-like 1	ENSG00000115756
HPS5	chr11:18330476-18331517	1	1.23E-85	Hermansky-Pudlak syndrome 5	ENSG00000110756
HPSE2	chr10:100697032-100922970	3	1.46E-79	heparanase 2	ENSG00000172987
HRASLS	chr3:192797824-192798566	1	5.75E-72	HRAS-like suppressor	ENSG00000127252
HS3ST4	chr16:25927671-25928614	1	2.75E-74	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	ENSG00000182601
HS3ST5	chr6:114373596-114836621	2	7.22E-79	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	ENSG00000249853
HS6ST1	chr2:129411532-129412111	1	4.79E-73	heparan sulfate 6-O-sulfotransferase 1	ENSG00000136720
HSD17B11	chr4:88309382-88310091	1	6.61E-74	hydroxysteroid (17-beta) dehydrogenase 11	ENSG00000198189
HSD17B6	chr12:57160066-57160567	1	4.27E-77	hydroxysteroid (17-beta) dehydrogenase 6	ENSG00000025423
HSD17B7	chr1:162742072-162742929	1	1.10E-81	hydroxysteroid (17-beta) dehydrogenase 7	ENSG00000132196
HSP90B3P	chr1:92092375-92092849	1	2.63E-74	heat shock protein 90kDa beta (Grp94), member 3, pseudogene	ENSG00000203914
HTATIP2	chr11:20291575-20292057	1	3.63E-73	HIV-1 Tat interactive protein 2, 30kDa	ENSG00000109854
HTR1F	chr3:87749598-87750268	1	2.95E-80	5-hydroxytryptamine (serotonin) receptor 1F, G protein-coupled	ENSG00000179097
HTR2C	chrX:113472273-113493532	2	3.30E-73	5-hydroxytryptamine (serotonin) receptor 2C, G protein-coupled	ENSG00000269075
HTR4	chr5:147933144-147934066	1	2.29E-104	5-hydroxytryptamine (serotonin) receptor 4, G protein-coupled	ENSG00000164270
HULC	chr6:8781121-8880068	2	3.30E-75	hepatocellular carcinoma up-regulated long non-coding RNA	ENSG00000251164
HYDIN	chr16:71126357-71179588	2	9.98E-94	HYDIN, axonemal central pair apparatus protein	ENSG00000157423
IARS2	chr1:220269978-220270939	1	1.02E-105	isoleucyl-tRNA synthetase 2, mitochondrial	ENSG00000067704
ICA1	chr7:8171427-8172468	1	4.47E-75	islet cell autoantigen 1, 69kDa	ENSG00000003147
ID4	chr6:19497031-19883378	2	1.51E-76	inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	ENSG00000172201
IDH1	chr2:209105634-209106474	1	1.51E-73	isocitrate dehydrogenase 1 (NADP+), soluble	ENSG00000138413
IDS	chrX:148480117-148481098	1	1.58E-97	iduronate 2-sulfatase	ENSG00000267816
IER2	chr19:13404136-13405102	1	1.62E-90	immediate early response 2	ENSG00000160888
IFI44	chr1:79149466-79150244	1	1.95E-85	interferon-induced protein 44	ENSG00000137965
IFNGR1	chr6:137613197-137617533	2	3.30E-73	interferon gamma receptor 1	ENSG00000027697
IGF1	chr12:102880345-102881131	1	1.66E-90	insulin-like growth factor 1 (somatomedin C)	ENSG00000017427
IGF2BP3	chr7:23449478-23450305	1	7.08E-95	insulin-like growth factor 2 mRNA binding protein 3	ENSG00000136231
IGFBP3	chr7:46768713-46769859	1	3.24E-86	insulin-like growth factor binding protein 3	ENSG00000146674
IGFBP7	chr4:58983923-58984481	1	9.12E-76	insulin-like growth factor binding protein 7	ENSG00000163453
IGFL1	chr19:46747982-46748690	1	9.55E-79	IGF-like family member 1	ENSG00000188293

IKBIP	chr12:99029592-99030198	1	9.12E-74	IKBKB interacting protein	ENSG00000166130
IKZF2	chr2:214052937-214054288	1	8.71E-73	IKAROS family zinc finger 2 (Helios)	
ENSG00000030419					
IKZF3	chr17:37990553-37991281	1	9.77E-85	IKAROS family zinc finger 3 (Aiolos)	ENSG00000161405
IL13RA1	chrX:117822269-117823015	1	3.24E-83	interleukin 13 receptor, alpha 1	
ENSG00000131724					
IL1B	chr2:113575753-113576974	1	5.75E-95	interleukin 1, beta	ENSG00000125538
IL1RAPL2	chrX:103722706-103816067	3	5.93E-74	interleukin 1 receptor accessory protein-like 2	
ENSG00000269512					
IL20RB	chr3:136655178-136655844	1	2.14E-93	interleukin 20 receptor beta	ENSG00000174564
IL21	chr4:123477748-123478630	1	2.19E-85	interleukin 21	ENSG00000138684
IL6R	chr1:154416373-154417302	1	1.48E-72	interleukin 6 receptor	ENSG00000160712
IMPG2	chr3:101073420-101074079	1	1.70E-75	interphotoreceptor matrix proteoglycan 2	
ENSG00000081148					
INTS6	chr13:52021910-52022366	1	6.17E-84	integrator complex subunit 6	ENSG00000102786
IPO8	chr12:30855646-30856331	1	1.95E-78	importin 8	ENSG00000133704
IQCH	chr15:67649514-67650156	1	1.45E-77	IQ motif containing H	ENSG00000103599
IQSEC1	chr3:13021580-13022559	1	6.31E-81	IQ motif and Sec7 domain 1	ENSG00000144711
IQSEC3	chr12:168063-169263	1	5.01E-156	IQ motif and Sec7 domain 3	ENSG00000262607
IRAK1BP1	chr6:79552723-79553746	1	5.13E-82	interleukin-1 receptor-associated kinase 1 binding protein 1	ENSG00000146243
IRF4	chr6:374733-376470	2	3.23E-88	interferon regulatory factor 4	ENSG00000137265
IRS1	chr2:227099246-227099863	1	1.70E-74	insulin receptor substrate 1	ENSG00000169047
IRS4	chrX:108056100-108057187	1	4.07E-103	insulin receptor substrate 4	ENSG00000133124
IRX3	chr16:54271286-54271949	1	6.92E-91	iroquois homeobox 3	ENSG00000177508
ISM2	chr14:77994090-77994833	1	2.69E-102	isthmin 2	ENSG00000100593
ISX	chr22:35432629-35433446	1	4.37E-118	intestine-specific homeobox	ENSG00000175329
ITFG1	chr16:47413287-47413922	1	1.95E-78	integrin alpha FG-GAP repeat containing 1	
ENSG00000129636					
ITFG3	chr16:299952-300480	1	2.34E-73	integrin alpha FG-GAP repeat containing 3	
ENSG00000167930					
ITGA11	chr15:68760422-68761250	1	3.47E-74	integrin, alpha 11	ENSG00000137809
ITGA9	chr3:37490988-37491856	1	1.12E-78	integrin, alpha 9	ENSG00000144668
ITM2A	chrX:78710817-78711251	1	1.38E-87	integral membrane protein 2A	ENSG00000078596
ITPR2	chr12:26835064-26882956	2	1.38E-74	inositol 1,4,5-trisphosphate receptor, type 2	
ENSG00000123104					
JAG1	chr20:10880111-10881009	1	1.15E-72	jagged 1	ENSG00000101384
KAAG1	chr6:24302235-24303320	1	3.80E-92	kidney associated antigen 1	ENSG00000146049
KANK4	chr1:62749072-62750064	1	2.69E-93	KN motif and ankyrin repeat domains 4	ENSG00000132854
KAT2B	chr3:20127343-20128238	1	5.89E-73	K(lysine) acetyltransferase 2B	ENSG00000114166
KATNA1	chr6:149999189-150000096	1	8.32E-72	katanin p60 (ATPase containing) subunit A 1	
ENSG00000186625					
KCNC2	chr12:75462967-75463444	1	1.32E-87	potassium voltage-gated channel, Shaw-related subfamily, member 2	ENSG00000166006
KCND2	chr7:120138219-120138808	1	6.61E-73	potassium voltage-gated channel, Shal-related subfamily, member 2	ENSG00000184408
KCNE1L	chrX:108876622-108877391	1	9.12E-75	KCNE1-like	ENSG00000176076
KCNH1	chr1:210941362-210942275	1	1.62E-93	potassium voltage-gated channel, subfamily H (eag-related), member 1	ENSG00000143473
KCNH8	chr3:18913466-18914007	1	4.57E-78	potassium voltage-gated channel, subfamily H (eag-related), member 8	ENSG00000183960
KCNJ2	chr17:68275213-69103558	4	1.14E-74	potassium inwardly-rectifying channel, subfamily J, member 2	
ENSG00000123700					
KCNJ3	chr2:155185096-155186170	1	7.76E-99	potassium inwardly-rectifying channel, subfamily J,	

member 3 ENSG00000162989

KCNJ6 chr21:39123835-39124785 1 2.29E-78 potassium inwardly-rectifying channel, subfamily J, member 6  
ENSG00000157542

KCNK1 chr1:233701532-233702283 1 9.77E-77 potassium channel, subfamily K, member 1  
ENSG00000135750

KCNMA1 chr10:78485110-78952306 2 9.98E-73 potassium large conductance calcium-activated channel,  
subfamily M, alpha member 1 ENSG00000156113

KCTD12 chr13:77040124-77443534 4 1.28E-82 potassium channel tetramerization domain containing 12  
ENSG00000178695

KCTD3 chr1:215794269-215794770 1 4.27E-77 potassium channel tetramerization domain containing 3  
ENSG00000136636

KCTD8 chr4:44100424-44101226 1 3.55E-107 potassium channel tetramerization domain containing 8  
ENSG00000183783

KDM3A chr2:86703858-86704760 1 6.03E-89 lysine (K)-specific demethylase 3A ENSG00000115548

KDM5B chr1:202730297-202731271 1 4.68E-76 lysine (K)-specific demethylase 5B  
ENSG00000117139

KHDC1L chr6:73909189-73909821 1 1.12E-72 KH homology domain containing 1-like  
ENSG00000256980

KIAA0226L chr13:46948109-46949043 1 5.89E-80 KIAA0226-like ENSG00000102445

KIAA0513 chr16:85072960-85074223 1 6.46E-86 KIAA0513 ENSG00000135709

KIAA1107 chr1:92647399-92648011 1 2.19E-81 KIAA1107 ENSG00000069712

KIAA1211 chr4:57038484-57039417 1 2.24E-80 KIAA1211 ENSG00000109265

KIAA1244 chr6:138460969-138461684 1 3.02E-93 KIAA1244 ENSG00000112379

KIAA1715 chr2:176550846-176552088 1 1.12E-103 KIAA1715 ENSG00000144320

KIAA1919 chr6:111580987-111664245 2 1.90E-83 KIAA1919 ENSG00000173214

KIDINS220 chr2:8942126-8943110 1 5.50E-74 kinase D-interacting substrate, 220kDa  
ENSG00000134313

KIF13B chr8:29029832-29031429 1 3.16E-92 kinesin family member 13B ENSG00000197892

KIF21A chr12:39747549-39747839 1 6.76E-94 kinesin family member 21A ENSG00000139116

KIF24 chr9:34301871-34302715 1 1.29E-95 kinesin family member 24 ENSG00000186638

KIF26B chr1:245571617-245572353 1 1.38E-76 kinesin family member 26B ENSG00000162849

KIF2B chr17:51619455-52060664 2 2.29E-74 kinesin family member 2B ENSG00000141200

KIF4B chr5:154497022-154497594 1 2.57E-80 kinesin family member 4B ENSG00000226650

KISS1 chr1:204166963-204168092 1 4.47E-74 KiSS-1 metastasis-suppressor ENSG00000170498

KL chr13:33406316-33406864 1 4.17E-77 klotho ENSG00000133116

KLF12 chr13:74261630-74550069 3 1.96E-73 Kruppel-like factor 12 ENSG00000118922

KLF4 chr9:110222930-110225092 1 1.20E-90 Kruppel-like factor 4 (gut) ENSG00000136826

KLF5 chr13:73849827-73905090 4 4.50E-93 Kruppel-like factor 5 (intestinal) ENSG00000102554

KLF6 chr10:4245710-4246513 1 8.32E-77 Kruppel-like factor 6 ENSG00000067082

KLHL1 chr13:70731352-71335317 8 5.58E-73 kelch-like family member 1 ENSG00000150361

KLHL13 chrX:117255271-117255912 1 1.58E-117 kelch-like family member 13 ENSG00000003096

KLHL18 chr3:47295579-47296586 1 1.41E-83 kelch-like family member 18 ENSG00000114648

KRAS chr12:25564409-25565108 1 6.92E-91 Kirsten rat sarcoma viral oncogene homolog  
ENSG00000133703

KREMEN1 chr22:29481360-29482421 1 2.63E-82 kringle containing transmembrane protein 1  
ENSG00000183762

KTN1 chr14:56057268-56057819 1 1.07E-76 kinectin 1 (kinesin receptor) ENSG00000126777

LAMA2 chr6:129472148-129472801 1 2.19E-82 laminin, alpha 2 ENSG00000196569

LAMA3 chr18:21342660-21343612 1 3.63E-78 laminin, alpha 3 ENSG00000053747

LAMA4 chr6:112527321-112560052 2 5.61E-81 laminin, alpha 4 ENSG00000263699

LAMC1 chr1:183029596-183032198 2 3.30E-73 laminin, gamma 1 (formerly LAMB2)  
ENSG00000135862

LAMP2 chrX:119593540-119594528 1 4.79E-80 lysosomal-associated membrane protein 2  
ENSG00000005893

LARS2 chr3:45388342-45389398 1	8.91E-101	leucyl-tRNA synthetase 2, mitochondrial	ENSG00000011376
LBR chr1:225486618-225694570 5	2.30E-75	lamin B receptor	ENSG00000143815
LDB2 chr4:16865676-17148357 2	6.74E-83	LIM domain binding 2	ENSG00000169744
LEO1 chr15:52205469-52206355 1	7.76E-74	Leo1, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae)	ENSG00000166477
LEP chr7:127915922-127916648 1	8.13E-92	leptin	ENSG00000174697
LGMN chr14:93183773-93184888 1	5.25E-81	legumain	ENSG00000100600
LGR6 chr1:202156812-202157495 6	1.48E-97	leucine-rich repeat containing G protein-coupled receptor	ENSG00000133067
LHFPL5 chr6:35800072-35800468 1	6.31E-72	lipoma HMGIC fusion partner-like 5	ENSG00000197753
LHX5 chr12:114044607-114045460 1	1.29E-88	LIM homeobox 5	ENSG00000089116
LHX8 chr1:75561126-75562146 1	9.77E-88	LIM homeobox 8	ENSG00000162624
LIG3 chr17:33344662-33346305 1	9.33E-140	ligase III, DNA, ATP-dependent	ENSG00000005156
LIN9 chr1:226508602-226509735 1	1.02E-91	lin-9 homolog (C. elegans)	ENSG00000183814
LMBR1 chr7:156561472-156672478	4 3.79E-74	limb development membrane protein 1	ENSG00000105983
LMO4 chr1:87779609-87780473 1	4.90E-76	LIM domain only 4	ENSG00000143013
LMO7 chr13:76190291-76653561 6	3.10E-73	LIM domain 7	ENSG00000136153
LMOD2 chr7:123285685-123286843 1	5.75E-80	leiomodrin 2 (cardiac)	ENSG00000170807
LMOD3 chr3:69242313-69248436 2	4.46E-78	leiomodrin 3 (fetal)	ENSG00000163380
LMX1A chr1:165211375-165310264	2 2.14E-83	LIM homeobox transcription factor 1, alpha	ENSG00000162761
LPHN2 chr1:81147437-83169348 7	8.83E-83	latrophilin 2	ENSG00000117114
LPL chr8:19914028-19914538 1	8.13E-76	lipoprotein lipase	ENSG00000175445
LRGUK chr7:133472951-133611093	3 1.08E-73	leucine-rich repeats and guanylate kinase domain containing	ENSG00000155530
LRIG1 chr3:66412058-66563817 2	2.40E-78	leucine-rich repeats and immunoglobulin-like domains 1	ENSG00000144749
LRIG3 chr12:59420447-59421002 1	3.63E-76	leucine-rich repeats and immunoglobulin-like domains 3	ENSG00000139263
LRMP chr12:25271044-25272118 1	8.51E-88	lymphoid-restricted membrane protein	ENSG00000118308
LRP12 chr8:105576588-105577138	1 7.76E-77	low density lipoprotein receptor-related protein 12	ENSG00000147650
LRPPRC chr2:44144216-44145073 1	2.19E-82	leucine-rich pentatricopeptide repeat containing	ENSG00000138095
LRRC40 chr1:70658076-70658778 1	4.47E-108	leucine rich repeat containing 40	ENSG00000066557
LRRC55 chr11:56898393-56899189 1	6.46E-72	leucine rich repeat containing 55	ENSG00000183908
LRRC61 chr7:149995582-149997230	1 8.91E-90	leucine rich repeat containing 61	ENSG00000127399
LRRC7 chr1:69729735-70234258 4	2.39E-79	leucine rich repeat containing 7	ENSG00000033122
LRRC70 chr5:61861773-61862665 1	1.29E-79	leucine rich repeat containing 70	ENSG00000186105
LRRIQ3 chr1:74332355-74333547 1	2.51E-120	leucine-rich repeats and IQ motif containing 3	ENSG00000162620
LRRN1 chr3:3646214-3646909 1	1.55E-89	leucine rich repeat neuronal 1	ENSG00000175928
LRRN2 chr1:204658815-204660054	1 2.75E-74	leucine rich repeat neuronal 2	ENSG00000170382
LRRN3 chr7:110461531-110462154	1 9.55E-79	leucine rich repeat neuronal 3	ENSG00000173114
LRTM1 chr3:54948720-54949549 1	4.47E-74	leucine-rich repeats and transmembrane domains 1	ENSG00000144771
LTBP2 chr14:75022903-75023486 1	1.51E-72	latent transforming growth factor beta binding protein 2	ENSG00000119681
LTN1 chr21:30340536-30341566 1	3.02E-92	listerin E3 ubiquitin protein ligase 1	ENSG00000198862
LTV1 chr6:144047621-144098598	2 3.30E-75	LTV1 homolog (S. cerevisiae)	ENSG00000135521
LUZP4 chrX:114594089-114595454	1 8.91E-103	leucine zipper protein 4	ENSG00000267900
LUZP6 chr7:135655552-135656354	1 1.20E-94	leucine zipper protein 6	ENSG00000267697

LY86-AS1	chr6:6755929-6756637	1	1.00E-81	LY86 antisense RNA 1	ENSG00000216863
LYPLAL1	chr1:219577126-219590156	2	1.77E-81	lysophospholipase-like 1	ENSG00000143353
LYRM1	chr16:20894068-20894939	1	2.04E-98	LYR motif containing 1	ENSG00000102897
LYRM2	chr6:90281460-90282342	1	3.16E-74	LYR motif containing 2	ENSG00000083099
MACF1	chr1:39609801-39610887	1	4.68E-83	microtubule-actin crosslinking factor 1	ENSG00000127603
MACROD2-AS1	chr20:14675857-14676841	1	5.01E-103	MACROD2 antisense RNA 1	ENSG00000235914
MAF	chr16:79004753-79005647	1	1.07E-95	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog	ENSG00000178573
MAGI1	chr3:65863365-65864175	1	1.15E-93	membrane associated guanylate kinase, WW and PDZ domain containing 1	ENSG00000151276
MAGI3	chr1:113990784-114083423	2	2.18E-73	membrane associated guanylate kinase, WW and PDZ domain containing 3	ENSG00000081026
MAMLD1	chrX:149582609-149583660	1	1.20E-95	mastermind-like domain containing 1	ENSG00000269849
MAN1A1	chr6:119701804-120192048	5	3.99E-74	mannosidase, alpha, class 1A, member 1	ENSG00000111885
MAN1A2	chr1:117940325-117959385	2	1.02E-80	mannosidase, alpha, class 1A, member 2	ENSG00000198162
MANBA	chr4:103723976-103725298	1	1.51E-108	mannosidase, beta A, lysosomal	ENSG00000109323
MAP1LC3C	chr1:242344840-242346157	1	2.82E-111	microtubule-associated protein 1 light chain 3 gamma	ENSG00000197769
MAP2	chr2:210247399-210405830	2	5.24E-86	microtubule-associated protein 2	ENSG00000078018
MAP2K5	chr15:67898179-67899286	1	1.91E-112	mitogen-activated protein kinase kinase 5	ENSG00000137764
MAP3K15	chrX:19537857-19538326	1	4.90E-75	mitogen-activated protein kinase kinase kinase 15	ENSG00000180815
MAP3K4	chr6:161414359-161414960	1	1.66E-76	mitogen-activated protein kinase kinase kinase 4	ENSG00000085511
MAP3K5	chr6:137056610-137060076	2	4.16E-72	mitogen-activated protein kinase kinase kinase 5	ENSG00000197442
MAP3K7	chr6:91207113-91207846	1	1.26E-103	mitogen-activated protein kinase kinase kinase 7	ENSG00000135341
MAPK7	chr17:19277895-19278584	1	5.13E-72	mitogen-activated protein kinase 7	ENSG00000166484
MAPRE2	chr18:32396896-32673953	3	1.79E-81	microtubule-associated protein, RP/EB family, member 2	ENSG00000166974
MARCKS	chr6:113698670-113830294	2	5.24E-79	myristoylated alanine-rich protein kinase C substrate	ENSG00000155130
MARK2	chr11:63627788-63629061	1	7.24E-86	MAP/microtubule affinity-regulating kinase 2	ENSG00000072518
MAST2	chr1:46286599-46409422	2	2.34E-75	microtubule associated serine/threonine kinase 2	ENSG00000086015
MAT2B	chr5:162954054-163313820	2	1.23E-75	methionine adenosyltransferase II, beta	ENSG00000038274
MBL2	chr10:54320492-54321198	1	5.75E-82	mannose-binding lectin (protein C) 2, soluble	ENSG00000165471
MBNL2	chr13:97923966-97924951	1	8.32E-134	muscleblind-like splicing regulator 2	ENSG00000139793
MBNL3	chrX:131521583-131522323	1	3.55E-72	muscleblind-like splicing regulator 3	ENSG00000076770
MCCC2	chr5:70853567-70869394	2	3.15E-72	methylcrotonoyl-CoA carboxylase 2 (beta)	ENSG00000262057
MCM8	chr20:5955956-5956409	1	2.00E-77	minichromosome maintenance complex component 8	ENSG00000125885
MCMBP	chr10:121587514-121588504	1	7.59E-80	minichromosome maintenance complex binding	

protein	ENSG00000197771				
MCTP2	chr15:94883790-94884479	1	5.89E-78	multiple C2 domains, transmembrane 2	ENSG00000140563
MCTS1	chrX:119729729-119730365	1	2.63E-78	malignant T cell amplified sequence 1	
ENSG00000232119					
MDFIC	chr7:114465931-114466832	1	8.51E-78	MyoD family inhibitor domain containing	
ENSG00000135272					
MDH1	chr2:63650532-63651289	1	4.47E-76	malate dehydrogenase 1, NAD (soluble)	ENSG00000014641
MECOM	chr3:169009593-169036990	2	9.75E-95	MDS1 and EVI1 complex locus	
ENSG00000085276					
MED13	chr17:60108295-60108975	1	3.47E-85	mediator complex subunit 13	ENSG00000108510
MED27	chr9:134891640-134892648	1	3.98E-78	mediator complex subunit 27	ENSG00000160563
MEGF10	chr5:126526380-126527514	1	4.07E-82	multiple EGF-like-domains 10	ENSG00000145794
MEIS1	chr2:67018877-67019395	1	3.98E-88	Meis homeobox 1	ENSG00000143995
MFAP3	chr5:153439966-153441255	1	6.92E-118	microfibrillar-associated protein 3	
ENSG00000037749					
MFSD8	chr4:128923174-128924122	1	4.79E-84	major facilitator superfamily domain containing 8	
ENSG00000164073					
MGMT	chr10:130940919-130941574	1	5.62E-76	O-6-methylguanine-DNA methyltransferase	
ENSG00000170430					
MGST1	chr12:16606494-16607069	1	6.61E-80	microsomal glutathione S-transferase 1	ENSG00000008394
MIA3	chr1:222819524-222820319	1	2.00E-89	melanoma inhibitory activity family, member 3	
ENSG00000154305					
MIAT	chr22:27539545-27540281	1	2.82E-87	myocardial infarction associated transcript (non-protein coding)	ENSG00000225783
MID1	chrX:10517570-10596189	2	4.10E-76	midline 1 (Opitz/BBB syndrome)	ENSG00000101871
MID2	chrX:107060013-107061680	1	2.29E-77	midline 2	ENSG00000080561
MIER1	chr1:67419338-67420491	1	7.76E-84	mesoderm induction early response 1, transcriptional regulator	
ENSG00000198160					
MIR1200	chr7:36949557-36950672	1	1.07E-78	microRNA 1200	ENSG00000221325
MIR1252	chr12:79735110-79779194	2	9.31E-80	microRNA 1252	ENSG00000221788
MIR125B2	chr21:18252320-18253643	1	6.31E-112	microRNA 125b-2	ENSG00000207863
MIR1276	chr15:86152288-86191442	2	8.11E-81	microRNA 1276	ENSG00000221634
MIR1284	chr3:70787153-71337288	4	1.65E-72	microRNA 1284	ENSG00000221264
MIR130A	chr11:57411110-57412219	1	1.95E-106	microRNA 130a	ENSG00000208009
MIR148A	chr7:25941413-26015739	2	1.04E-103	microRNA 148a	ENSG00000199085
MIR1537	chr1:235921539-236014675	3	2.41E-82	microRNA 1537	ENSG00000222831
MIR155HG	chr21:26892032-26892754	1	3.72E-74	MIR155 host gene (non-protein coding)	
ENSG00000234883					
MIR17HG	chr13:91928874-91930129	1	2.04E-113	miR-17-92 cluster host gene (non-protein coding)	
ENSG00000215417					
MIR181B1	chr1:198762474-198817397	2	2.81E-74	microRNA 181b-1	ENSG00000207975
MIR1911	chrX:114022739-114027704	2	4.16E-86	microRNA 1911	ENSG00000269213
MIR221	chrX:45594035-45595115	1	1.20E-92	microRNA 221	ENSG00000269317
MIR30D	chr8:135845981-135846986	1	1.66E-106	microRNA 30d	ENSG00000199153
MIR3123	chr1:241102734-241304689	4	6.22E-82	microRNA 3123	ENSG00000265831
MIR3152	chr9:18612053-18612621	1	7.24E-81	microRNA 3152	ENSG00000264638
MIR3162	chr11:59371238-59372010	1	3.80E-86	microRNA 3162	ENSG00000264559
MIR3170	chr13:98948239-98949054	1	1.55E-75	microRNA 3170	ENSG00000263399
MIR3182	chr16:83629210-83630300	1	2.00E-89	microRNA 3182	ENSG00000263785
MIR320B2	chr1:224465184-224466201	1	1.70E-81	microRNA 320b-2	ENSG00000221406
MIR320C2	chr18:21818983-21819625	1	8.91E-88	microRNA 320c-2	ENSG00000212051
MIR3605	chr1:33818405-33819341	1	6.03E-75	microRNA 3605	ENSG00000266239
MIR3612	chr12:128886351-128886751	1	8.91E-72	microRNA 3612	ENSG00000265635
MIR3648	chr21:9722371-9735916	2	9.98E-76	microRNA 3648	ENSG00000264462

MIR3665	chr13:78375679-78377219	1	2.75E-89	microRNA 3665	ENSG00000266325
MIR3668	chr6:140688338-140689230	1	4.68E-90	microRNA 3668	ENSG00000263514
MIR3679	chr2:134857494-134858045	1	1.07E-76	microRNA 3679	ENSG00000263813
MIR3714	chr3:16977059-17084338	3	7.13E-84	microRNA 3714	ENSG00000264818
MIR378C	chr10:132473001-132473610	1	1.74E-75	microRNA 378c	ENSG00000264803
MIR383	chr8:14123371-14872698	7	1.94E-73	microRNA 383	ENSG00000199127
MIR3919	chr3:159092964-159093494	1	2.63E-86	microRNA 3919	ENSG00000263634
MIR3921	chr3:99672317-99673401	1	2.82E-83	microRNA 3921	ENSG00000264897
MIR3924	chr10:59494332-59495045	1	6.61E-73	microRNA 3924	ENSG00000264747
MIR3943	chr7:43223663-43224617	1	2.00E-83	microRNA 3943	ENSG00000264069
MIR3978	chrX:109314681-109367360	2	7.23E-76	microRNA 3978	ENSG00000265584
MIR421	chrX:73410380-73410823	1	5.50E-79	microRNA 421	ENSG00000202566
MIR4268	chr2:221013250-221143988	2	1.51E-80	microRNA 4268	ENSG00000266518
MIR4273	chr3:75760498-75761578	1	1.20E-92	microRNA 4273	ENSG00000266831
MIR4280	chr5:86249345-86250335	1	2.82E-85	microRNA 4280	ENSG00000265919
MIR4287	chr8:27736578-27737199	1	3.24E-80	microRNA 4287	ENSG00000265847
MIR4323	chr19:42667086-42667781	1	3.98E-75	microRNA 4323	ENSG00000266226
MIR4330	chrX:150327455-150328073	1	2.24E-74	microRNA 4330	ENSG00000265789
MIR4422	chr1:56001199-56002108	1	3.55E-88	microRNA 4422	ENSG00000265822
MIR4427	chr1:233834757-233849144	2	8.69E-76	microRNA 4427	ENSG00000265744
MIR4436A	chr2:90384070-90410965	2	6.01E-105	microRNA 4436a	ENSG00000265510
MIR4450	chr4:77492711-77493544	1	1.15E-73	microRNA 4450	ENSG00000263445
MIR4462	chr6:37573057-37573866	1	8.71E-94	microRNA 4462	ENSG00000263926
MIR4465	chr6:141081658-141195720	2	1.69E-75	microRNA 4465	ENSG00000264390
MIR4466	chr6:157142554-157143561	1	2.04E-100	microRNA 4466	ENSG00000271899
MIR4474	chr9:20542284-20543131	1	2.69E-89	microRNA 4474	ENSG00000264941
MIR448	chrX:114104625-114105169	1	3.02E-84	microRNA 448	ENSG00000268661
MIR4491	chr11:111229533-111230457	1	1.62E-75	microRNA 4491	ENSG00000264032
MIR4500	chr13:87505223-87688920	4	4.08E-80	microRNA 4500	ENSG00000266052
MIR4511	chr15:65978364-65986200	2	1.38E-75	microRNA 4511	ENSG00000264737
MIR4522	chr17:25304898-25305774	1	7.24E-92	microRNA 4522	ENSG00000263583
MIR4654	chr1:162103539-162104246	1	1.29E-73	microRNA 4654	ENSG00000266144
MIR4671	chr1:234407814-234408774	1	8.13E-83	microRNA 4671	ENSG00000264377
MIR4677	chr1:243693731-243694468	1	1.66E-72	microRNA 4677	ENSG00000265201
MIR4682	chr10:121786346-121787371	1	1.91E-77	microRNA 4682	ENSG00000265370
MIR4714	chr15:99312953-99314033	1	4.47E-112	microRNA 4714	ENSG00000264480
MIR4735	chr1:195569640-195935976	2	6.15E-80	microRNA 4735	ENSG00000265986
MIR4757	chr2:19477885-19478999	1	3.89E-89	microRNA 4757	ENSG00000266738
MIR4776-2	chr2:213816840-213817582	1	5.75E-72	microRNA 4776-2	ENSG00000266354
MIR4785	chr2:161267104-161268204	1	4.79E-80	microRNA 4785	ENSG00000263948
MIR4789	chr3:175324199-175324884	1	1.78E-72	microRNA 4789	ENSG00000264974
MIR4792	chr3:24968941-24999642	2	3.79E-75	microRNA 4792	ENSG00000265028
MIR4794	chr1:65092011-65093013	1	3.02E-99	microRNA 4794	ENSG00000264470
MIR548A3	chr3:103563695-103564340	1	3.39E-77	microRNA 548a-3	ENSG00000208032
MIR548AA1	chr1:100132752-100133747	1	8.91E-85	microRNA 548d-1	ENSG00000207704
MIR548AD	chr2:44810208-44811322	1	2.75E-86	microRNA 548ad	ENSG00000265301
MIR548F2	chr2:213276419-213277484	1	4.57E-78	microRNA 548f-2	ENSG00000221782
MIR548F3	chr7:147526611-147527555	1	1.86E-84	microRNA 548f-3	ENSG00000221436
MIR548F5	chr13:36533513-36534361	1	3.72E-72	microRNA 548f-5	ENSG00000221348
MIR548H4	chr15:69155313-69155934	1	1.48E-80	microRNA 548h-4	ENSG00000221616
MIR548I1	chr3:125416490-125417456	1	1.32E-83	microRNA 548i-1	ENSG00000221737
MIR548I2	chr4:9540136-9541185	1	1.51E-79	microRNA 548i-2	ENSG00000221275
MIR551B	chr3:168196824-168197513	1	5.13E-72	microRNA 551b	ENSG00000207717
MIR561	chr2:189187600-189188089	1	7.76E-79	microRNA 561	ENSG00000207951



MIR577	chr4:115551571-115552788	1	2.40E-95	microRNA 577	ENSG00000207931
MIR586	chr6:44913289-45028663	2	5.65E-73	microRNA 586	ENSG00000207769
MIR592	chr7:126601333-126601992	1	6.61E-73	microRNA 592	ENSG00000207692
MIR601	chr9:126235852-126236911	1	6.92E-84	microRNA 601	ENSG00000207991
MIR620	chr12:116608195-116608664	1	7.08E-82	microRNA 620	ENSG00000207967
MIR622	chr13:89723015-91192813	6	8.00E-73	microRNA 622	ENSG00000207858
MIR873	chr9:30137959-30138995	1	9.12E-81	microRNA 873	ENSG00000215939
MITF	chr3:70129419-70130523	1	5.25E-75	microphthalmia-associated transcription factor	ENSG00000187098
MKL1	chr22:40996747-40998521	1	6.46E-171	megakaryoblastic leukemia (translocation) 1	ENSG00000196588
MKLN1	chr7:130842894-130962646	3	6.50E-74	muskelin 1, intracellular mediator containing kelch motifs	ENSG00000128585
MLF1	chr3:158258379-158258937	1	9.12E-76	myeloid leukemia factor 1	ENSG00000178053
MLH1	chr3:37063592-37064417	1	3.09E-75	mutL homolog 1	ENSG00000076242
MLNR	chr13:49763366-49764289	1	3.02E-104	motilin receptor	ENSG00000102539
MMD2	chr7:4966923-4967301	1	1.23E-86	monocyte to macrophage differentiation-associated 2	ENSG00000136297
MME	chr3:154797750-154798555	1	3.09E-88	membrane metallo-endopeptidase	ENSG00000196549
MMP16	chr8:89366565-89367605	1	3.63E-75	matrix metallopeptidase 16 (membrane-inserted)	ENSG00000156103
MMP19	chr12:56276893-56277709	1	4.07E-81	matrix metallopeptidase 19	ENSG00000123342
MOBP	chr3:39628733-39629672	1	1.48E-83	myelin-associated oligodendrocyte basic protein	ENSG00000168314
MOCOS	chr18:33738797-33740326	1	1.38E-140	molybdenum cofactor sulfurase	ENSG00000075643
MOXD1	chr6:132627992-132642732	2	1.55E-100	monooxygenase, DBH-like 1	ENSG00000079931
MPP6	chr7:24658790-24659318	1	2.34E-73	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	ENSG00000105926
MPZL2	chr11:118140175-118140915	1	3.55E-72	myelin protein zero-like 2	ENSG00000149573
MRPL3	chr3:131449637-131450679	1	4.27E-81	mitochondrial ribosomal protein L3	ENSG00000114686
MRPL33	chr2:27945844-27946287	1	4.17E-72	mitochondrial ribosomal protein L33	ENSG00000243147
MRPS28	chr8:80955072-80956148	1	1.35E-87	mitochondrial ribosomal protein S28	ENSG00000147586
MRPS33	chr7:140742622-140743625	1	7.94E-85	mitochondrial ribosomal protein S33	ENSG00000090263
MSR1	chr8:16304988-16453335	5	1.33E-74	macrophage scavenger receptor 1	ENSG00000038945
MTDH	chr8:98705935-98706853	1	5.89E-93	metadherin	ENSG00000147649
MTHFD1L	chr6:151311636-151312421	1	2.34E-75	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	ENSG00000120254
MTM1	chrX:149761200-149762722	1	6.76E-73	myotubularin 1	ENSG00000269031
MTMR7	chr8:17266385-17267806	1	2.88E-92	myotubularin related protein 7	ENSG00000003987
MTNR1B	chr11:92598936-92599480	1	1.20E-77	melatonin receptor 1B	ENSG00000134640
MTR	chr1:236936918-237007018	2	6.44E-86	5-methyltetrahydrofolate-homocysteine methyltransferase	ENSG00000116984
MTRF1L	chr6:153350775-153387784	2	1.07E-73	mitochondrial translational release factor 1-like	ENSG00000112031
MTX2	chr2:177146128-177147756	1	2.14E-109	metaxin 2	ENSG00000128654
MUM1L1	chrX:105445396-105446399	1	7.76E-119	melanoma associated antigen (mutated) 1-like 1	ENSG00000157502
MUT	chr6:49213669-49214152	1	5.13E-73	methylmalonyl CoA mutase	ENSG00000146085
MYB	chr6:135443823-135496514	3	1.11E-84	v-myb avian myeloblastosis viral oncogene homolog	ENSG00000118513
MYBL1	chr8:67527937-67528758	1	2.40E-92	v-myb avian myeloblastosis viral oncogene homolog-like 1	ENSG00000185697

MYCBP2	chr13:77878220-77956417	2	2.39E-79	MYC binding protein 2, E3 ubiquitin protein ligase	ENSG00000005810
MYF6	chr12:81035937-81036853	1	4.27E-105	myogenic factor 6 (herculin)	ENSG00000111046
MYL6	chr12:56559473-56560549	1	8.51E-81	myosin, light chain 6, alkali, smooth muscle and non-muscle	ENSG00000092841
MYL9	chr20:35091504-35092681	1	5.50E-75	myosin, light chain 9, regulatory	ENSG00000101335
MYO10	chr5:16961365-16962144	1	2.45E-104	myosin X	ENSG00000145555
MYO9A	chr15:72413987-72414787	1	6.61E-83	myosin IXA	ENSG00000066933
MYOC	chr1:171591529-171592256	1	9.77E-85	myocilin, trabecular meshwork inducible glucocorticoid response	ENSG00000034971
MYOM2	chr8:2210759-2211442	1	6.61E-73	myomesin 2	ENSG00000260130
MYOZ2	chr4:120040695-120041620	1	2.04E-75	myozenin 2	ENSG00000172399
MZT1	chr13:73163259-73224185	2	6.29E-98	mitotic spindle organizing protein 1	ENSG00000204899
N4BP1	chr16:48604754-48605620	1	7.76E-76	NEDD4 binding protein 1	ENSG00000102921
N6AMT1	chr21:30228137-30229106	1	6.46E-82	N-6 adenine-specific DNA methyltransferase 1 (putative)	ENSG00000156239
NAP1L3	chrX:92350627-92801026	3	2.20E-73	nucleosome assembly protein 1-like 3	ENSG00000186310
NCKAP5	chr2:134311089-134455076	2	3.88E-86	NCK-associated protein 5	ENSG00000176771
NCKAP5L	chr12:50194084-50195075	1	9.77E-91	NCK-associated protein 5-like	ENSG00000167566
NCOA2	chr8:71207640-71208220	1	9.77E-86	nuclear receptor coactivator 2	ENSG00000140396
NCOR1	chr17:16049962-16050865	1	1.58E-80	nuclear receptor corepressor 1	ENSG00000141027
NDFIP1	chr5:141450748-141451777	1	2.34E-92	Nedd4 family interacting protein 1	ENSG00000131507
NDFIP2	chr13:80404581-80405542	1	1.02E-82	Nedd4 family interacting protein 2	ENSG00000102471
NDUFB6	chr9:32582344-32583393	1	1.48E-83	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	ENSG00000165264
NEFM	chr8:24764056-24764530	1	2.63E-74	neurofilament, medium polypeptide	ENSG00000104722
NEGR1	chr1:73217478-73218404	1	2.51E-75	neuronal growth regulator 1	ENSG00000172260
NEK2	chr1:211833208-211834971	1	2.04E-85	NIMA-related kinase 2	ENSG00000117650
NEO1	chr15:73223496-73436030	2	5.33E-92	neogenin 1	ENSG00000067141
NF1	chr17:29454679-29455907	1	3.24E-90	neurofibromin 1	ENSG00000196712
NFIA	chr1:61158263-61717293	5	3.48E-75	nuclear factor I/A	ENSG00000162599
NFIB	chr9:14330518-14331999	1	1.17E-124	nuclear factor I/B	ENSG00000147862
NFYB	chr12:104546901-104548260	1	2.00E-73	nuclear transcription factor Y, beta	ENSG00000120837
NGFRAP1	chrX:102632579-102633164	1	6.61E-73	nerve growth factor receptor (TNFRSF16) associated protein 1	ENSG00000166681
NIPBL	chr5:36896401-36957257	2	6.59E-87	Nipped-B homolog (Drosophila)	ENSG00000164190
NIT2	chr3:100064209-100065178	1	6.46E-82	nitrilase family, member 2	ENSG00000114021
NKAIN2	chr6:124451987-124452779	1	1.78E-74	Na <sup>+</sup> /K <sup>+</sup> transporting ATPase interacting 2	ENSG00000188580
NKAPP1	chrX:119331377-119332400	1	1.17E-98	NFKB activating protein pseudogene 1	ENSG00000233382
NKX6-1	chr4:85363963-85364472	1	1.58E-89	NK6 homeobox 1	ENSG00000163623
NMBR	chr6:141755393-142382152	2	6.01E-74	neuromedin B receptor	ENSG00000135577
NME7	chr1:169253248-169254220	1	1.29E-81	NME/NM23 family member 7	ENSG00000143156
NMS	chr2:101108593-101109744	1	2.57E-73	neuromedin S	ENSG00000204640
NMU	chr4:56589707-56590807	1	4.79E-80	neuromedin U	ENSG00000109255
NOL4	chr18:31659763-31660546	1	5.50E-79	nucleolar protein 4	ENSG00000101746
NOM1	chr7:156766946-156768041	1	6.17E-79	nucleolar protein with MIF4G domain 1	ENSG00000146909
NOTCH2	chr1:120567948-120569467	1	5.89E-179	notch 2	ENSG00000134250
NOTCH2NL	chr1:145214640-145215454	1	3.72E-86	notch 2 N-terminal like	ENSG00000213240
NPAS2	chr2:101442258-101443045	1	1.58E-96	neuronal PAS domain protein 2	ENSG00000170485

NPAS3	chr14:33630341-33825030	3	6.80E-73	neuronal PAS domain protein 3	ENSG00000151322	
NR1D2	chr3:24038011-24039199	1	1.10E-126	nuclear receptor subfamily 1, group D, member 2		
ENSG00000174738						
NR2E3	chr15:71949111-71950000	1	5.62E-92	nuclear receptor subfamily 2, group E, member 3		
ENSG00000031544						
NR2F2	chr15:96571821-96808306	2	1.29E-85	nuclear receptor subfamily 2, group F, member 2		
ENSG00000185551						
NR3C2	chr4:149416801-149417790		1	1.23E-96	nuclear receptor subfamily 3, group C, member 2	
ENSG00000151623						
NR5A2	chr1:199551176-199784333		3	1.03E-87	nuclear receptor subfamily 5, group A, member 2	
ENSG00000116833						
NRBF2	chr10:64775841-64776829	1	9.77E-121	nuclear receptor binding factor 2	ENSG00000148572	
NRN1	chr6:5948372-5949135	1	2.04E-75	neuritin 1	ENSG00000124785	
NRP1	chr10:33609502-33609933	1	6.61E-74	neuropilin 1	ENSG00000099250	
NRXN3	chr14:79484363-79485082	1	1.70E-74	neurexin 3	ENSG00000021645	
NT5C1B	chr2:18801386-18801997	1	6.61E-73	5'-nucleotidase, cytosolic IB	ENSG00000185013	
NT5C2	chr10:104858179-104933821	2	4.89E-85	5'-nucleotidase, cytosolic II	ENSG00000076685	
NTF3	chr12:5506062-5506658	1	3.80E-77	neurotrophin 3	ENSG00000185652	
NTNG1	chr1:108009624-108010480		1	7.41E-77	netrin G1	ENSG00000162631
NTPCR	chr1:233235228-233236309		1	9.12E-104	nucleoside-triphosphatase, cancer-related	
ENSG00000135778						
NTRK2	chr9:87189163-87788021	2	1.27E-93	neurotrophic tyrosine kinase, receptor, type 2		
ENSG00000148053						
NUBPL	chr14:32040514-32041579	1	1.48E-83	nucleotide binding protein-like	ENSG00000151413	
NUF2	chr1:163252789-163262955		2	9.98E-78	NUF2, NDC80 kinetochore complex component	
ENSG00000143228						
NUMB	chr14:73888801-73889514	1	3.47E-97	numb homolog (Drosophila)	ENSG00000133961	
NUP35	chr2:183995290-183996042		1	1.26E-76	nucleoporin 35kDa	ENSG00000163002
NUPL2	chr7:23209402-23210335	1	2.75E-91	nucleoporin like 2	ENSG00000136243	
NXF2	chrX:101626999-101700661		2	5.36E-82	nuclear RNA export factor 2	ENSG00000185554
NXF5	chrX:101120469-101143851		2	3.30E-73	nuclear RNA export factor 5	ENSG00000126952
NXT2	chrX:108759948-108760520		1	6.17E-74	nuclear transport factor 2-like export factor 2	
ENSG00000101888						
OBSCN	chr1:228421617-228428156		2	2.56E-83	obscurin, cytoskeletal calmodulin and titin-interacting	
RhoGEF	ENSG00000154358					
OGDH	chr7:44698408-44698955	1	3.02E-77	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)		
ENSG00000105953						
OMA1	chr1:58869776-59011866	2	2.75E-76	OMA1 zinc metallopeptidase	ENSG00000162600	
OPHN1	chrX:67468084-67468630	1	2.24E-77	oligophrenin 1	ENSG00000079482	
OPN5	chr6:47865731-47866442	1	1.74E-87	opsin 5	ENSG00000124818	
OR10Q1	chr11:57988797-57989882	1	3.80E-92	olfactory receptor, family 10, subfamily Q, member 1		
ENSG00000180475						
OR11H1	chr22:16434192-16435795	1	1.29E-149	olfactory receptor, family 11, subfamily H, member 1		
ENSG00000130538						
OR11H12	chr14:19400086-19400912	1	5.37E-95	olfactory receptor, family 11, subfamily H, member 12		
ENSG00000257115						
OR13H1	chrX:130679371-130680620		1	4.68E-114	olfactory receptor, family 13, subfamily H, member 1	
ENSG00000171054						
OR4F3	chr1:522207-523181	1	1.51E-92	olfactory receptor, family 4, subfamily F, member 3		
ENSG00000230178						
OR56A4	chr11:6025116-6025647	1	5.89E-73	olfactory receptor, family 56, subfamily A, member 4		
ENSG00000183389						
OR5K4	chr3:98054671-98055198	1	1.74E-73	olfactory receptor, family 5, subfamily K, member 4		
ENSG00000196098						

OR6Y1	chr1:158490722-158491768	1	1.26E-74	olfactory receptor, family 6, subfamily Y, member 1	
ENSG00000197532					
OR7E156P	chr13:63243647-65964860	57	6.96E-74	olfactory receptor, family 7, subfamily E, member 156	
pseudogene	ENSG00000215430				
OR8S1	chr12:48919716-48920737	1	1.23E-87	olfactory receptor, family 8, subfamily S, member 1	
ENSG00000197376					
ORC4	chr2:148841250-148841724	1	6.61E-73	origin recognition complex, subunit 4	
ENSG00000115947					
OSBPL8	chr12:76946112-77034660	2	8.11E-95	oxysterol binding protein-like 8	ENSG00000091039
OSCP1	chr1:36903352-36904491	1	2.00E-77	organic solute carrier partner 1	ENSG00000116885
OTOGL	chr12:80593449-80594123	1	8.13E-99	otogelin-like	ENSG00000165899
OTUD1	chr10:23734079-23735310	1	1.15E-72	OTU domain containing 1	ENSG00000165312
OTUD4	chr4:146191304-146192084	1	2.57E-79	OTU domain containing 4	ENSG00000164164
OXGR1	chr13:97370177-97370990	1	9.55E-76	oxoglutarate (alpha-ketoglutarate) receptor 1	
ENSG00000165621					
P2RX7	chr12:121587603-121588950	1	2.34E-74	purinergic receptor P2X, ligand-gated ion channel, 7	
ENSG00000089041					
P2RY1	chr3:152413180-152413559	1	6.31E-72	purinergic receptor P2Y, G-protein coupled, 1	
ENSG00000169860					
PABPC1P2	chr2:146892829-146893448	1	2.95E-74	poly(A) binding protein, cytoplasmic 1	
pseudogene 2	ENSG00000198526				
PABPC5	chrX:90554542-90555595	1	6.92E-107	poly(A) binding protein, cytoplasmic 5	ENSG00000174740
PACS1	chr11:65887353-65888332	1	6.31E-81	phosphofurin acidic cluster sorting protein 1	
ENSG00000175115					
PALLD	chr4:169519400-169520032	1	6.61E-73	palladin, cytoskeletal associated protein	
ENSG00000129116					
PAPOLG	chr2:60961867-60962581	1	7.94E-73	poly(A) polymerase gamma	ENSG00000115421
PAPPA2	chr1:176349760-176350287	1	1.74E-73	pappalysin 2	ENSG00000116183
PARD3B	chr2:205651528-205652106	1	1.66E-79	par-3 family cell polarity regulator beta	
ENSG00000116117					
PARM1	chr4:75873608-75874784	1	5.75E-94	prostate androgen-regulated mucin-like protein 1	
ENSG00000169116					
PART1	chr5:59070379-59322588	2	3.08E-74	prostate androgen-regulated transcript 1 (non-protein coding)	
ENSG00000152931					
PASD1	chrX:150784373-150784924	1	1.07E-76	PAS domain containing 1	ENSG00000166049
PAX2	chr10:102525745-102526530	1	1.82E-103	paired box 2	ENSG00000075891
PAXIP1	chr7:154787901-154788652	1	3.89E-86	PAX interacting (with transcription-activation domain)	
protein 1	ENSG00000157212				
PBX1	chr1:164105169-164290222	2	9.98E-74	pre-B-cell leukemia homeobox 1	ENSG00000185630
PBX3	chr9:128585963-128587260	1	2.95E-98	pre-B-cell leukemia homeobox 3	ENSG00000167081
PCA3	chr9:79388390-79389450	1	2.19E-73	prostate cancer antigen 3 (non-protein coding)	
ENSG00000225937					
PCCB	chr3:136069841-136070926	1	2.00E-81	propionyl CoA carboxylase, beta polypeptide	
ENSG00000114054					
PCDH18	chr4:138503605-138504356	1	1.26E-82	protocadherin 18	ENSG00000189184
PCDH19	chrX:99699588-99701342	1	6.03E-125	protocadherin 19	ENSG00000165194
PCDH20	chr13:62341419-63148030	28	6.82E-74	protocadherin 20	ENSG00000197991
PCDH9	chr13:66125102-68609966	58	1.03E-73	protocadherin 9	ENSG00000184226
PCGEM1	chr2:194474394-194475158	1	2.63E-75	PCGEM1, prostate-specific transcript (non-protein coding)	
ENSG00000227418					
PCLO	chr7:82572898-82573552	1	2.95E-82	piccolo presynaptic cytomatrix protein	ENSG00000186472
PCM1	chr8:17829107-17829853	1	3.24E-83	pericentriolar material 1	ENSG00000078674
PCNXL2	chr1:233370872-233371777	1	2.24E-100	pecanex-like 2 (Drosophila)	ENSG00000135749
PCSK9	chr1:55560555-55565198	3	5.53E-73	proprotein convertase subtilisin/kexin type 9	

ENSG00000169174  
 PDCD4 chr10:112639640-112640551 1 2.63E-82 programmed cell death 4 (neoplastic transformation inhibitor) ENSG00000150593  
 PDCD6IP chr3:34048932-34050198 1 9.77E-87 programmed cell death 6 interacting protein ENSG00000170248  
 PDE10A chr6:166145912-166146672 1 5.13E-100 phosphodiesterase 10A ENSG00000112541  
 PDE3A chr12:20539305-20555370 2 1.51E-73 phosphodiesterase 3A, cGMP-inhibited ENSG00000172572  
 PDE4B chr1:66117385-66628833 4 1.65E-75 phosphodiesterase 4B, cAMP-specific ENSG00000184588  
 PDE4DIP chr1:144906625-144909544 1 4.68E-103 phosphodiesterase 4D interacting protein ENSG00000178104  
 PDE6A chr5:149243964-149244772 1 6.46E-94 phosphodiesterase 6A, cGMP-specific, rod, alpha ENSG00000132915  
 PDE7A chr8:66796075-66797149 1 2.95E-93 phosphodiesterase 7A ENSG00000205268  
 PDE7B chr6:136120620-136363630 3 2.28E-78 phosphodiesterase 7B ENSG00000171408  
 PDE9A chr21:44092605-44093433 1 1.38E-85 phosphodiesterase 9A ENSG00000160191  
 PDGFB chr22:39627578-39628942 1 7.08E-122 platelet-derived growth factor beta polypeptide ENSG00000100311  
 PDLIM5 chr4:95443049-95444090 1 4.07E-91 PDZ and LIM domain 5 ENSG00000163110  
 PDS5A chr4:39940415-39941228 1 9.55E-76 PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae) ENSG00000121892  
 PDZD8 chr10:119081929-119083042 1 1.78E-72 PDZ domain containing 8 ENSG00000165650  
 PEX14 chr1:10549929-10551052 1 1.48E-83 peroxisomal biogenesis factor 14 ENSG00000142655  
 PGAM4 chrX:77231938-77232623 1 9.55E-79 phosphoglycerate mutase family member 4 ENSG00000269135  
 PGM1 chr1:64069784-64070433 1 9.77E-85 phosphoglucomutase 1 ENSG00000079739  
 PGM5P2 chr9:69044294-69057320 2 2.34E-76 phosphoglucomutase 5 pseudogene 2 ENSG00000227558  
 PHACTR1 chr6:12768350-12851107 2 1.23E-86 phosphatase and actin regulator 1 ENSG00000112137  
 PHF14 chr7:11107063-11108118 1 1.51E-112 PHD finger protein 14 ENSG00000106443  
 PHKA1 chrX:71988310-71988993 1 6.03E-95 phosphorylase kinase, alpha 1 (muscle) ENSG00000268579  
 PHTF1 chr1:114171189-114172158 1 6.46E-82 putative homeodomain transcription factor 1 ENSG00000116793  
 PHTF2 chr7:77438590-77439174 1 2.04E-72 putative homeodomain transcription factor 2 ENSG00000006576  
 PI15 chr8:75745001-75746149 1 8.51E-76 peptidase inhibitor 15 ENSG00000137558  
 PIGK chr1:77678583-77679124 1 1.41E-105 phosphatidylinositol glycan anchor biosynthesis, class K ENSG00000142892  
 PIK3C2G chr12:18414710-18415718 1 1.05E-130 phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 gamma ENSG00000139144  
 PIN1P1 chr1:70482165-70482940 1 8.71E-86 peptidylprolyl cis/trans isomerase, NIMA-interacting 1 pseudogene 1 ENSG00000229359  
 PIP5K1P1 chr6:7969673-7970321 1 5.01E-83 phosphatidylinositol-4-phosphate 5-kinase, type I, pseudogene 1 ENSG00000219294  
 PITPNB chr22:28294996-28296214 1 2.40E-72 phosphatidylinositol transfer protein, beta ENSG00000180957  
 PITX2 chr4:111827964-111828801 1 7.59E-79 paired-like homeodomain 2 ENSG00000164093  
 PKN2 chr1:89228872-89229836 1 6.92E-106 protein kinase N2 ENSG00000065243  
 PKP2 chr12:33077642-33078233 1 8.71E-78 plakophilin 2 ENSG00000057294  
 PKP4 chr2:159361838-159362938 1 1.02E-101 plakophilin 4 ENSG00000144283  
 PLA2G4A chr1:186873790-187115758 2 4.89E-85 phospholipase A2, group IVA (cytosolic, calcium-dependent) ENSG00000116711  
 PLB1 chr2:28743413-28744322 1 5.37E-77 phospholipase B1 ENSG00000163803  
 PLCB4 chr20:8592739-8593261 1 9.55E-81 phospholipase C, beta 4 ENSG00000101333  
 PLD1 chr3:171461923-171462934 1 7.59E-78 phospholipase D1, phosphatidylcholine-specific ENSG00000075651

PLD5	chr1:242953159-242953667	1	1.51E-75	phospholipase D family, member 5	ENSG00000180287
PLEKHA1	chr10:124090505-124091741	1	5.13E-119	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1	ENSG00000107679
PLEKHA2	chr8:38697624-38698846	1	2.95E-102	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2	ENSG00000169499
PLEKHB2	chr2:131882015-131882997	1	2.09E-95	pleckstrin homology domain containing, family B (evectins) member 2	ENSG00000115762
PLEKHG6	chr12:6423338-6424085	1	4.27E-83	pleckstrin homology domain containing, family G (with RhoGef domain) member 6	ENSG00000008323
PLEKHG7	chr12:93120045-93121036	1	3.55E-85	pleckstrin homology domain containing, family G (with RhoGef domain) member 7	ENSG00000187510
PLG	chr6:161203032-161204135	1	2.34E-72	plasminogen	ENSG00000122194
PLN	chr6:118909127-118910186	1	3.31E-106	phospholamban	ENSG00000198523
PLOD2	chr3:144873338-145474585	2	1.12E-79	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	ENSG00000152952
PLS3	chrX:114962600-114963693	1	4.79E-90	plastin 3	ENSG00000268767
PLXDC2	chr10:20221266-20222071	1	3.09E-88	plexin domain containing 2	ENSG00000120594
PLXNA2	chr1:208740267-208741244	1	3.98E-81	plexin A2	ENSG00000076356
PM20D2	chr6:89865657-89866382	1	1.05E-79	peptidase M20 domain containing 2	ENSG00000146281
PNLIPRP3	chr10:118157714-118158395	1	4.57E-85	pancreatic lipase-related protein 3	ENSG00000203837
PNOC	chr8:28086093-28090632	2	9.53E-91	prepronociceptin	ENSG00000168081
PODXL	chr7:131351490-131352202	1	2.45E-113	podocalyxin-like	ENSG00000128567
POLE4	chr2:75178078-75179208	1	6.31E-74	polymerase (DNA-directed), epsilon 4, accessory subunit	ENSG00000115350
POLR3B	chr12:106854909-106856268	1	8.71E-81	polymerase (RNA) III (DNA directed) polypeptide B	ENSG00000013503
POLR3E	chr16:22323582-22324412	1	5.62E-74	polymerase (RNA) III (DNA directed) polypeptide E (80kD)	ENSG00000058600
POTEG	chr14:19472704-19611193	3	4.82E-77	POTE ankyrin domain family, member G	ENSG00000222036
POTEH	chr22:16167016-16352343	2	2.13E-77	POTE ankyrin domain family, member H	ENSG00000198062
POTEM	chr14:19899601-19900535	1	1.70E-91	POTE ankyrin domain family, member M	ENSG00000187537
POU2F1	chr1:167269178-167270070	1	2.40E-97	POU class 2 homeobox 1	ENSG00000143190
POU4F1	chr13:78910301-79173804	4	7.68E-82	POU class 4 homeobox 1	ENSG00000152192
PPAP2A	chr5:54873959-54914254	2	2.94E-73	phosphatidic acid phosphatase type 2A	ENSG00000067113
PPAP2B	chr1:56517609-56518559	1	1.51E-108	phosphatidic acid phosphatase type 2B	ENSG00000162407
PPIAL4D	chr1:148839205-148839979	1	3.16E-74	peptidylprolyl isomerase A (cyclophilin A)-like 4D	ENSG00000270913
PPIH	chr1:43095323-43095896	1	1.86E-93	peptidylprolyl isomerase H (cyclophilin H)	ENSG00000171960
PPP1CB	chr2:28977906-28978725	1	1.29E-86	protein phosphatase 1, catalytic subunit, beta isozyme	ENSG00000213639
PPP1R12B	chr1:202383242-202384234	1	1.26E-90	protein phosphatase 1, regulatory subunit 12B	ENSG00000077157
PPP1R2P9	chrX:42227557-42228534	1	3.98E-81	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 9	ENSG00000102055
PPP1R3A	chr7:113565845-113566778	1	4.79E-103	protein phosphatase 1, regulatory subunit 3A	ENSG00000154415
PPP1R3G	chr6:5079460-5080383	1	1.29E-75	protein phosphatase 1, regulatory subunit 3G	ENSG00000219607

PPP2R1A chr19:52711298-52712006 1	9.77E-76	protein phosphatase 2, regulatory subunit A, alpha	ENSG00000105568
PPP2R2A chr8:26059152-26093698 2	6.72E-115	protein phosphatase 2, regulatory subunit B, alpha	ENSG00000221914
PPP2R5E chr14:63915259-63916001 1	1.74E-86	protein phosphatase 2, regulatory subunit B', epsilon isoform	ENSG00000154001
PPP4R2 chr3:73072079-73072765 1	3.80E-97	protein phosphatase 4, regulatory subunit 2	ENSG00000163605
PPP6R2 chr22:50774093-50775073 1	1.48E-83	protein phosphatase 6, regulatory subunit 2	ENSG00000100239
PRB2 chr12:11591119-11592192 1	2.29E-93	proline-rich protein BstNI subfamily 2	ENSG00000121335
PRDM5 chr4:121560366-121910610 2	4.06E-80	PR domain containing 5	ENSG00000138738
PRICKLE2 chr3:64244096-64304705 2	5.12E-90	prickle homolog 2 (Drosophila)	ENSG00000163637
PRKCA chr17:64340279-64341142 1	7.08E-83	protein kinase C, alpha	ENSG00000154229
PRKCB chr16:23959468-23960258 1	4.79E-84	protein kinase C, beta	ENSG00000166501
PRKCSH chr19:11550471-11552091 1	1.51E-97	protein kinase C substrate 80K-H	ENSG00000130175
PRKX chrX:3657353-3658365 1	9.55E-78	protein kinase, X-linked	ENSG00000183943
PROK2 chr3:71828100-71828609 1	3.16E-83	prokineticin 2	ENSG00000163421
PROX1 chr1:214192639-214193834 1	3.89E-76	prospero homeobox 1	ENSG00000117707
PRPF38B chr1:109228686-109229802 1	1.32E-78	pre-mRNA processing factor 38B	ENSG00000134186
PRR18 chr6:166716314-166716991 1	6.92E-91	proline rich 18	ENSG00000176381
PRRC2B chr9:134290006-134290800 1	1.38E-83	proline-rich coiled-coil 2B	ENSG00000130723
PRRC2C chr1:171455527-171456372 1	1.58E-89	proline-rich coiled-coil 2C	ENSG00000117523
PRRX1 chr1:170653270-170654038 1	7.08E-75	paired related homeobox 1	ENSG00000116132
PRSS37 chr7:141541091-141541942 1	3.63E-86	protease, serine, 37	ENSG00000165076
PRSS55 chr8:10349531-10350205 1	6.92E-91	protease, serine, 55	ENSG00000184647
PSAT1 chr9:81207449-81208117 1	1.95E-74	phosphoserine aminotransferase 1	ENSG00000135069
PSG11 chr19:43510024-43510700 1	6.61E-73	pregnancy specific beta-1-glycoprotein 11	ENSG00000243130
PSMD1 chr2:231938622-231955239 2	8.11E-86	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1	ENSG00000173692
PSMD10 chrX:107316669-107317353 1	6.61E-73	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10	ENSG00000101843
PSMD12 chr17:65334208-65335687 12	2.00E-87	proteasome (prosome, macropain) 26S subunit, non-ATPase, 12	ENSG00000197170
PSMD7 chr16:74268608-74269530 1	1.05E-75	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	ENSG00000103035
PTBP2 chr1:97173309-97469510 5	5.02E-79	polypyrimidine tract binding protein 2	ENSG00000117569
PTGFR chr1:78840002-78993841 2	3.30E-73	prostaglandin F receptor (FP)	ENSG00000122420
PTGS2 chr1:186673504-186674743 1	1.45E-98	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	ENSG00000073756
PTN chr7:136952926-136953704 1	1.29E-130	pleiotrophin	ENSG00000105894
PTPLAD1 chr15:65862476-65863633 1	1.20E-80	protein tyrosine phosphatase-like A domain containing 1	ENSG00000074696
PTPLAD2 chr9:21041483-21042030 1	3.02E-77	protein tyrosine phosphatase-like A domain containing 2	ENSG00000188921
PTPLB chr3:123243243-123244144 1	2.24E-72	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	ENSG00000206527
PTPN14 chr1:214591830-214684741 3	6.07E-79	protein tyrosine phosphatase, non-receptor type 14	ENSG00000152104
PTPN4 chr2:120612127-120612706 1	4.79E-73	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	ENSG00000088179
PTPRC chr1:198589840-198590731 1	3.39E-108	protein tyrosine phosphatase, receptor type, C	ENSG00000262418

PTPRG	chr3:61774868-61775630	1	1.58E-75	protein tyrosine phosphatase, receptor type, G	
ENSG00000144724					
PTPRK	chr6:128900608-128901642	1	7.08E-87	protein tyrosine phosphatase, receptor type, K	
ENSG00000152894					
PTPRR	chr12:71346004-71346507	1	8.32E-77	protein tyrosine phosphatase, receptor type, R	
ENSG00000153233					
PTX3	chr3:157165112-157165844	1	9.77E-85	pentraxin 3, long	ENSG00000163661
PYGL	chr14:51475510-51476536	1	1.91E-76	phosphorylase, glycogen, liver	ENSG00000100504
QKI	chr6:164143833-164632097	3	1.49E-78	QKI, KH domain containing, RNA binding	
ENSG00000112531					
QSER1	chr11:32955289-32956257	1	6.92E-105	glutamine and serine rich 1	ENSG00000060749
QSOX1	chr1:180074137-180074917	1	3.31E-85	quiescin Q6 sulfhydryl oxidase 1	
ENSG00000116260					
QTRTD1	chr3:113834492-113835354	1	1.62E-76	queuine tRNA-ribosyltransferase domain containing 1	
ENSG00000151576					
RAB14	chr9:123934608-123935669	1	2.00E-78	RAB14, member RAS oncogene family	
ENSG00000119396					
RAB3C	chr5:58402006-58403305	1	9.55E-107	RAB3C, member RAS oncogene family	
ENSG00000152932					
RAB3GAP1	chr2:135813428-135920756	3	2.53E-73	RAB3 GTPase activating protein subunit 1 (catalytic)	ENSG00000115839
RAB40A	chrX:102728620-102729682	1	6.31E-79	RAB40A, member RAS oncogene family	
ENSG00000172476					
RAB40AL	chrX:102208366-102209312	1	2.09E-73	RAB40A, member RAS oncogene family-like	
ENSG00000102128					
RAB4A	chr1:229218778-229219770	1	1.17E-79	RAB4A, member RAS oncogene family	
ENSG00000168118					
RAB6C	chr2:130733169-130733771	1	2.24E-76	RAB6C, member RAS oncogene family	
ENSG00000222014					
RABGAP1L	chr1:174094519-174095610	1	1.07E-168	RAB GTPase activating protein 1-like	
ENSG00000152061					
RAD51AP1	chr12:4651900-4652532	1	1.12E-72	RAD51 associated protein 1	ENSG00000111247
RAD51B	chr14:68299651-68464725	2	2.51E-91	RAD51 paralog B	ENSG00000182185
RAD54B	chr8:95495608-95496800	1	3.24E-126	RAD54 homolog B (S. cerevisiae)	ENSG00000197275
RAD9A	chr11:67155298-67156034	1	5.62E-76	RAD9 homolog A (S. pombe)	ENSG00000172613
RAG2	chr11:36620595-36768398	2	3.30E-72	recombination activating gene 2	ENSG00000175097
RAP2A	chr13:98015714-98016791	1	8.32E-91	RAP2A, member of RAS oncogene family	
ENSG00000125249					
RAP2B	chr3:152784229-152785151	1	8.91E-87	RAP2B, member of RAS oncogene family	
ENSG00000181467					
RASEF	chr9:85645412-85646316	1	1.41E-83	RAS and EF-hand domain containing	ENSG00000165105
RASGEF1A	chr10:43787751-43788725	1	1.51E-92	RasGEF domain family, member 1A	
ENSG00000198915					
RASGEF1B	chr4:82523885-82524572	1	1.26E-103	RasGEF domain family, member 1B	
ENSG00000138670					
RASGRF1	chr15:79379862-79381540	1	4.07E-115	Ras protein-specific guanine nucleotide-releasing factor 1	
ENSG00000058335					
RASL11A	chr13:27874835-27875849	1	5.75E-91	RAS-like, family 11, member A	ENSG00000122035
RASSF6	chr4:74522383-74523118	1	1.51E-78	Ras association (RalGDS/AF-6) domain family member 6	
ENSG00000169435					
RAVER2	chr1:65235800-65281875	2	1.04E-79	ribonucleoprotein, PTB-binding 2	ENSG00000162437
RBBP7	chrX:16856098-16856744	1	9.55E-79	retinoblastoma binding protein 7	ENSG00000102054
RBBP8	chr18:20445819-20446474	1	6.61E-73	retinoblastoma binding protein 8	ENSG00000101773
RBFOX1	chr16:6302483-6303588	1	1.32E-95	RNA binding protein, fox-1 homolog (C. elegans) 1	



ENSG00000078328  
 RBFOX3 chr17:77354256-77355144 1 4.07E-79 RNA binding protein, fox-1 homolog (C. elegans) 3  
 ENSG00000267483  
 RBKS chr2:28066638-28067096 1 1.15E-76 ribokinase ENSG00000171174  
 RBM26 chr13:79721634-79892355 3 2.59E-76 RNA binding motif protein 26 ENSG00000139746  
 RBM43 chr2:151956074-151956883 1 6.03E-100 RNA binding motif protein 43 ENSG00000184898  
 RBMS3 chr3:29374869-29375763 1 1.66E-78 RNA binding motif, single stranded interacting protein 3  
 ENSG00000144642  
 RBMXL3 chrX:114408376-114409316 1 1.12E-120 RNA binding motif protein, X-linked-like 3  
 ENSG00000269572  
 RBPMS chr8:30273901-30274715 1 3.47E-93 RNA binding protein with multiple splicing  
 ENSG00000157110  
 RCBTB1 chr13:50120190-50120792 1 2.24E-76 regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1 ENSG00000136144  
 RCHY1 chr4:76409398-76410087 1 5.89E-78 ring finger and CHY zinc finger domain containing 1, E3 ubiquitin protein ligase ENSG00000163743  
 RDX chr11:110073205-110073937 1 6.76E-85 radixin ENSG00000137710  
 REPS1 chr6:139274436-139275499 1 5.37E-79 RALBP1 associated Eps domain containing 1  
 ENSG00000135597  
 RERE chr1:8728538-8729209 1 3.98E-80 arginine-glutamic acid dipeptide (RE) repeats  
 ENSG00000142599  
 RFK chr9:78913567-78981284 2 2.81E-76 riboflavin kinase ENSG00000135002  
 RFPL4B chr6:112864023-113165462 2 7.57E-78 ret finger protein-like 4B ENSG00000251258  
 RGMA chr15:93762324-93762938 1 9.55E-79 repulsive guidance molecule family member a  
 ENSG00000182175  
 RGMB chr5:97953988-97954709 1 3.02E-86 repulsive guidance molecule family member b  
 ENSG00000174136  
 RGS18 chr1:191718439-191718839 1 3.47E-86 regulator of G-protein signaling 18  
 ENSG00000150681  
 RGS2 chr1:192729873-192730399 1 6.61E-87 regulator of G-protein signaling 2, 24kDa  
 ENSG00000116741  
 RGS4 chr1:162997880-162998719 1 3.24E-90 regulator of G-protein signaling 4 ENSG00000117152  
 RGS6 chr14:72523401-72524706 1 6.46E-155 regulator of G-protein signaling 6 ENSG00000182732  
 RGS7 chr1:241557416-241558245 1 1.05E-79 regulator of G-protein signaling 7 ENSG00000182901  
 RHAG chr6:49636181-49636852 1 3.98E-80 Rh-associated glycoprotein ENSG00000112077  
 RIC3 chr11:8170189-8170716 1 1.17E-93 RIC3 acetylcholine receptor chaperone ENSG00000166405  
 RICTOR chr5:39091822-39092515 1 9.55E-79 RPTOR independent companion of MTOR, complex 2  
 ENSG00000164327  
 RLF chr1:40616746-40617905 1 1.00E-106 rearranged L-myc fusion ENSG00000117000  
 RNASET2 chr6:167348834-167349793 1 3.39E-72 ribonuclease T2 ENSG00000026297  
 RND3 chr2:151315136-151316072 1 2.34E-74 Rho family GTPase 3 ENSG00000115963  
 RNF182 chr6:13923741-13924756 1 8.51E-83 ring finger protein 182 ENSG00000180537  
 RNF219 chr13:79334038-79588222 2 8.13E-79 ring finger protein 219 ENSG00000152193  
 RNLS chr10:90172710-90173293 1 7.76E-79 renalase, FAD-dependent amine oxidase ENSG00000184719  
 RNU12 chr22:43012550-43013426 1 5.89E-80 RNA, U12 small nuclear ENSG00000270022  
 RNU4ATAC chr2:122209766-122210831 1 8.32E-100 RNA, U4atac small nuclear (U12-dependent splicing) ENSG00000264229  
 RNU5F-1 chr1:219791288-219792049 1 1.23E-75 RNA, U5F small nuclear 1 ENSG00000199377  
 ROBO1 chr3:78764063-80698533 4 2.13E-74 roundabout, axon guidance receptor, homolog 1 (Drosophila)  
 ENSG00000169855  
 ROBO2 chr3:76890720-77951958 8 8.87E-75 roundabout, axon guidance receptor, homolog 2 (Drosophila)  
 ENSG00000185008  
 ROR1 chr1:64294237-64295432 1 7.41E-76 receptor tyrosine kinase-like orphan receptor 1  
 ENSG00000185483

RPA4	chrX:96103983-97382246	3	5.05E-73	replication protein A4, 30kDa	ENSG00000204086
RPE65	chr1:68926417-68931443	2	1.63E-98	retinal pigment epithelium-specific protein 65kDa	
ENSG00000116745					
RPIA	chr2:88961074-88961795	1	7.76E-78	ribose 5-phosphate isomerase A	ENSG00000153574
RPL13AP17	chr7:78528528-78529342	1	1.23E-75	ribosomal protein L13a pseudogene 17	
ENSG00000231322					
RPL23AP32	chr2:54754726-54757480	2	1.48E-81	ribosomal protein L23a pseudogene 32	
ENSG00000237887					
RPS6KC1	chr1:213259196-213335569	2	5.61E-80	ribosomal protein S6 kinase, 52kDa, polypeptide 1	
ENSG00000136643					
RRAS2	chr11:14311468-14442475	2	6.95E-78	related RAS viral (r-ras) oncogene homolog 2	
ENSG00000262489					
RRM1	chr11:4049176-4049894	1	1.32E-74	ribonucleotide reductase M1	ENSG00000167325
RSPH4A	chr6:116933920-116934847	1	1.15E-80	radial spoke head 4 homolog A (Chlamydomonas)	
ENSG00000111834					
RSPO2	chr8:109162055-109162754	1	8.13E-83	R-spondin 2	ENSG00000147655
RSPO3	chr6:127092278-127347912	2	2.56E-72	R-spondin 3	ENSG00000146374
RTKN2	chr10:63963155-63964260	1	3.80E-90	rhotekin 2	ENSG00000182010
RXRG	chr1:165383815-165396263	2	1.17E-88	retinoid X receptor, gamma	ENSG00000143171
RYR2	chr1:237480099-237480664	1	1.15E-94	ryanodine receptor 2 (cardiac)	ENSG00000198626
S1PR1	chr1:101731611-101732789	1	7.94E-78	sphingosine-1-phosphate receptor 1	
ENSG00000170989					
SAMD15	chr14:77850954-77852060	1	2.04E-74	sterile alpha motif domain containing 15	
ENSG00000100583					
SAMD5	chr6:147737179-148226503	5	5.42E-73	sterile alpha motif domain containing 5	
ENSG00000203727					
SCAF8	chr6:155059222-155060208	1	2.88E-91	SR-related CTD-associated factor 8	
ENSG00000213079					
SCAND1	chr20:34471415-34472598	1	3.39E-104	SCAN domain containing 1	ENSG00000171222
SCAPER	chr15:76987398-76988080	1	6.61E-73	S-phase cyclin A-associated protein in the ER	
ENSG00000140386					
SCARNA20	chr17:58336641-58337950	1	7.24E-79	small Cajal body-specific RNA 20	
ENSG00000252577					
SCARNA23	chrX:24809289-24809931	1	6.61E-73	small Cajal body-specific RNA 23	
ENSG00000251869					
SCD	chr10:102104776-102105712	1	7.94E-94	stearoyl-CoA desaturase (delta-9-desaturase)	
ENSG00000099194					
SCEL	chr13:78056818-78168909	4	2.05E-76	sciellin	ENSG00000136155
SCG2	chr2:224552373-224553461	1	3.31E-119	secretogranin II	ENSG00000171951
SCN3A	chr2:166052381-166053361	1	7.94E-81	sodium channel, voltage-gated, type III, alpha subunit	
ENSG00000153253					
SCN5A	chr3:38659012-38660011	1	2.24E-84	sodium channel, voltage-gated, type V, alpha subunit	
ENSG00000183873					
SCRN1	chr7:29967124-29968246	1	2.14E-99	secernin 1	ENSG00000136193
SDAD1	chr4:76898555-76899474	1	5.25E-76	SDA1 domain containing 1	ENSG00000198301
SDPR	chr2:192795100-192796262	1	2.40E-95	serum deprivation response	ENSG00000168497
SEC13	chr3:10382741-10383613	1	3.16E-75	SEC13 homolog (S. cerevisiae)	ENSG00000157020
SELL	chr1:169687797-169688874	1	5.89E-93	selectin L	ENSG00000188404
SEMA3C	chr7:80906875-80907484	1	1.74E-75	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	ENSG00000075223
SEMA3D	chr7:84558995-84559993	1	2.51E-107	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D	ENSG00000153993
sept.07	chr7:35907009-35934081	2	2.62E-92	septin 7	ENSG00000122545
SERINC5	chr5:79471090-79472102	1	3.80E-94	serine incorporator 5	ENSG00000164300

SERPINA7	chrX:105210464-105211073	1	8.91E-82	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	ENSG00000123561
SERPINB6	chr6:2967386-2968558	1	9.33E-117	serpin peptidase inhibitor, clade B (ovalbumin), member 6	ENSG00000124570
SERPINE3	chr13:51922494-51923200	1	6.61E-73	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 3	ENSG00000253309
SERPINI2	chr3:167165923-167166570	1	6.92E-91	serpin peptidase inhibitor, clade I (pancpin), member 2	ENSG00000114204
SESTD1	chr2:180076866-180289242	2	3.71E-85	SEC14 and spectrin domains 1	ENSG00000187231
SF3B4	chr1:149896555-149897388	1	3.39E-100	splicing factor 3b, subunit 4, 49kDa	ENSG00000263977
SGCZ	chr8:15094922-15096097	1	2.00E-116	sarcoglycan, zeta	ENSG00000185053
SGIP1	chr1:66669436-66990375	3	3.59E-88	SH3-domain GRB2-like (endophilin) interacting protein 1	ENSG00000118473
SGOL1	chr3:20814225-20815105	1	1.32E-85	shugoshin-like 1 (S. pombe)	ENSG00000129810
SH3BP4	chr2:235847502-235848493	1	9.33E-80	SH3-domain binding protein 4	ENSG00000130147
SH3GL2	chr9:17374371-17374930	1	1.23E-75	SH3-domain GRB2-like 2	ENSG00000107295
SH3GLB1	chr1:87197140-87198396	1	1.35E-76	SH3-domain GRB2-like endophilin B1	ENSG00000097033
SHQ1	chr3:72858698-72859403	1	4.37E-76	SHQ1, H/ACA ribonucleoprotein assembly factor	ENSG00000144736
SIAH2	chr3:150507975-150509330	1	1.32E-81	siah E3 ubiquitin protein ligase 2	ENSG00000181788
SIM1	chr6:100945574-100946571	1	3.55E-79	single-minded family bHLH transcription factor 1	ENSG00000112246
SIPA1L2	chr1:232762028-232764432	1	4.07E-180	signal-induced proliferation-associated 1 like 2	ENSG00000116991
SIX1	chr14:61090945-61091851	1	2.95E-100	SIX homeobox 1	ENSG00000126778
SKAP1	chr17:46376274-46376974	1	6.92E-89	src kinase associated phosphoprotein 1	ENSG00000141293
SKAP2	chr7:27001801-27002592	1	1.95E-72	src kinase associated phosphoprotein 2	ENSG00000005020
SLC12A8	chr3:124934533-124935394	1	1.32E-93	solute carrier family 12, member 8	ENSG00000221955
SLC15A5	chr12:16339982-16340637	1	5.62E-76	solute carrier family 15, member 5	ENSG00000188991
SLC17A3	chr6:25883884-25884460	1	2.00E-73	solute carrier family 17 (organic anion transporter), member 3	ENSG00000124564
SLC1A3	chr5:36568554-36577171	2	6.15E-76	solute carrier family 1 (glial high affinity glutamate transporter), member 3	ENSG00000079215
SLC22A13	chr3:38304226-38305610	1	1.05E-116	solute carrier family 22 (organic anion/urate transporter), member 13	ENSG00000172940
SLC22A24	chr11:62856769-62857856	1	4.47E-76	solute carrier family 22, member 24	ENSG00000197658
SLC23A2	chr20:5031810-5032922	1	3.72E-85	solute carrier family 23 (ascorbic acid transporter), member 2	ENSG00000089057
SLC25A24	chr1:108738084-108739163	1	9.55E-93	"solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 24"	ENSG00000085491
SLC25A25	chr9:130847374-130848879	1	1.66E-119	"solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25"	ENSG00000148339
SLC25A43	chrX:118492473-118494056	1	2.51E-95	solute carrier family 25, member 43	ENSG00000077713
SLC26A2	chr5:149354019-149354938	1	4.27E-87	solute carrier family 26 (anion exchanger), member 2	ENSG00000155850
SLC26A7	chr8:92270351-92271312	1	1.02E-105	solute carrier family 26 (anion exchanger), member 7	ENSG00000147606
SLC30A4	chr15:45809563-45810288	1	9.55E-86	solute carrier family 30 (zinc transporter), member 4	ENSG00000104154

SLC35B4	chr7:133937866-133938699	1	6.46E-91	solute carrier family 35 (UDP-xylose/UDP-N-acetylglucosamine transporter), member B4	ENSG00000205060
SLC35D2	chr9:99150447-99151548	1	7.59E-75	solute carrier family 35 (UDP-GlcNAc/UDP-glucose transporter), member D2	ENSG00000130958
SLC35F3	chr1:234046827-234201427	2	2.69E-82	solute carrier family 35, member F3	ENSG00000183780
SLC40A1	chr2:190472064-190472748	1	1.48E-78	solute carrier family 40 (iron-regulated transporter), member 1	ENSG00000138449
SLC44A3	chr1:95231513-95232825	1	4.79E-113	solute carrier family 44, member 3	ENSG00000143036
SLC44A5	chr1:76086191-76086818	1	2.82E-73	solute carrier family 44, member 5	ENSG00000137968
SLC45A1	chr1:8566652-8586409	2	9.60E-73	solute carrier family 45, member 1	ENSG00000162426
SLC4A3	chr2:220542679-220543771	1	1.95E-91	solute carrier family 4 (anion exchanger), member 3	ENSG00000114923
SLC4A4	chr4:72216133-72347747	2	5.00E-73	solute carrier family 4 (sodium bicarbonate cotransporter), member 4	ENSG00000080493
SLC5A1	chr22:32461514-32462521	1	3.24E-78	solute carrier family 5 (sodium/glucose cotransporter), member 1	ENSG00000100170
SLC6A15	chr12:85336509-85337594	1	1.00E-86	solute carrier family 6 (neutral amino acid transporter), member 15	ENSG00000072041
SLC6A4	chr17:28543429-28544498	1	4.37E-75	solute carrier family 6 (neurotransmitter transporter), member 4	ENSG00000108576
SLC7A8	chr14:23667273-23668027	1	1.74E-94	solute carrier family 7 (amino acid transporter light chain, L system), member 8	ENSG00000092068
SLC7A9	chr19:33344925-33346135	1	8.71E-88	solute carrier family 7 (amino acid transporter light chain, bo,+ system), member 9	ENSG00000021488
SLC8A1	chr2:40669636-40670093	1	7.94E-77	solute carrier family 8 (sodium/calcium exchanger), member 1	ENSG00000183023
SLC9B2	chr4:104000666-104001385	1	2.09E-80	solute carrier family 9, subfamily B (NHA2, cation proton antiporter 2), member 2	ENSG00000164038
SLCO1B1	chr12:21373513-21373893	1	6.31E-72	solute carrier organic anion transporter family, member 1B1	ENSG00000134538
SLITRK1	chr13:83784489-85095566	6	5.03E-77	SLIT and NTRK-like family, member 1	ENSG00000178235
SLITRK5	chr13:88534722-89227844	4	1.68E-73	SLIT and NTRK-like family, member 5	ENSG00000165300
SLITRK6	chr13:85431826-87314354	5	5.80E-73	SLIT and NTRK-like family, member 6	ENSG00000184564
SLN	chr11:107554113-107555632	1	2.95E-110	sarcolipin	ENSG00000170290
SMAD3	chr15:67423845-67424531	1	4.68E-76	SMAD family member 3	ENSG00000166949
SMAD6	chr15:67063887-67064767	1	5.01E-74	SMAD family member 6	ENSG00000137834
SMARCA1	chrX:128608729-128609785	1	6.92E-79	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1	ENSG00000102038
SMARCA5	chr4:144383866-144384941	1	3.09E-110	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	ENSG00000153147
SMC3	chr10:112361292-112362304	1	4.37E-83	structural maintenance of chromosomes 3	ENSG00000108055
SMC5	chr9:72905994-72906788	1	1.38E-83	structural maintenance of chromosomes 5	ENSG00000198887
SMNDC1	chr10:112143983-112145328	1	3.63E-95	survival motor neuron domain containing 1	ENSG00000119953
SMOC2	chr6:168846271-168847233	1	3.55E-88	SPARC related modular calcium binding 2	ENSG00000112562
SMYD2	chr1:214532447-214533491	1	5.25E-80	SET and MYND domain containing 2	ENSG00000143499
SNORA33	chr6:133261679-133262536	1	8.71E-93	small nucleolar RNA, H/ACA box 33	

ENSG00000200534  
 SNORA50 chr16:58588148-58588983 1 4.68E-79 small nucleolar RNA, H/ACA box 50  
 ENSG00000206952  
 SNORA70B chr2:61571997-61572867 1 1.05E-86 small nucleolar RNA, H/ACA box 70B  
 ENSG00000206937  
 SNORA76 chr17:62273098-62274012 1 7.24E-79 small nucleolar RNA, H/ACA box 76  
 ENSG00000266402  
 SNORA80 chr21:33751240-33752433 1 1.95E-84 small nucleolar RNA, H/ACA box 80  
 ENSG00000200792  
 SNORD96B chrX:109490109-109491009 1 1.78E-72 small nucleolar RNA, C/D box 96B  
 ENSG00000208883  
 SNX29 chr16:12225684-12226722 1 5.01E-97 sorting nexin 29 ENSG00000048471  
 SNX9 chr6:158232714-158233999 1 2.95E-159 sorting nexin 9 ENSG00000130340  
 SOAT2 chr12:53510237-53510999 1 1.38E-78 sterol O-acyltransferase 2 ENSG00000167780  
 SORCS1 chr10:108581225-108868828 2 4.89E-90 sortilin-related VPS10 domain containing receptor 1  
 ENSG00000108018  
 SORL1 chr11:121399974-121400367 1 6.31E-72 sortilin-related receptor, L(DLR class) A repeats  
 containing ENSG00000137642  
 SOX3 chrX:139612195-139613249 1 6.46E-74 SRY (sex determining region Y)-box 3  
 ENSG00000134595  
 SOX4 chr6:21311505-21312180 1 3.31E-72 SRY (sex determining region Y)-box 4 ENSG00000124766  
 SOX5 chr12:24705448-24706190 1 5.75E-72 SRY (sex determining region Y)-box 5 ENSG00000134532  
 SOX6 chr11:16248825-16249450 1 1.07E-79 SRY (sex determining region Y)-box 6 ENSG00000110693  
 SOX9 chr17:69681462-70221048 2 1.73E-75 SRY (sex determining region Y)-box 9 ENSG00000125398  
 SP8 chr7:20794577-20795412 1 4.68E-79 Sp8 transcription factor ENSG00000164651  
 SPAG17 chr1:118871871-118872555 1 1.48E-78 sperm associated antigen 17 ENSG00000155761  
 SPAG9 chr17:49115155-49115720 1 7.59E-75 sperm associated antigen 9 ENSG00000008294  
 SPANXB2 chrX:140119131-140120232 1 7.59E-75 SPANX family, member B2 ENSG00000227234  
 SPATA17 chr1:217890722-217891735 1 1.17E-77 spermatogenesis associated 17 ENSG00000162814  
 SPATA8 chr15:97174867-97589026 4 1.73E-79 spermatogenesis associated 8 ENSG00000185594  
 SPIN4 chrX:61813307-61813967 1 9.55E-79 spindlin family, member 4 ENSG00000268762  
 SPINK1 chr5:147220441-147221276 1 1.32E-76 serine peptidase inhibitor, Kazal type 1  
 ENSG00000164266  
 SPN chr16:29667028-29668464 1 3.80E-72 sialophorin ENSG00000197471  
 SPRED2 chr2:65621406-65914225 2 2.51E-86 sprouty-related, EVH1 domain containing 2  
 ENSG00000198369  
 SPRY2 chr13:80532644-81534336 8 1.91E-72 sprouty homolog 2 (Drosophila) ENSG00000136158  
 SPRY3 chrY:58978211-58982082 1 1.00E-100 sprouty homolog 3 (Drosophila) ENSG00000168939  
 SRGAP1 chr12:64315809-64316878 1 2.75E-88 SLIT-ROBO Rho GTPase activating protein 1  
 ENSG00000196935  
 SRSF5 chr14:70170546-70171439 1 6.17E-90 serine/arginine-rich splicing factor 5 ENSG00000100650  
 SS18 chr18:23407104-23408218 1 1.35E-75 synovial sarcoma translocation, chromosome 18  
 ENSG00000141380  
 SSPN chr12:26431803-26432316 1 1.95E-73 sarcospan ENSG00000123096  
 ST13P4 chr13:51020269-51021327 1 3.39E-112 suppression of tumorigenicity 13 (colon carcinoma) (Hsp70  
 interacting protein) pseudogene 4 ENSG00000232150  
 ST6GALNAC3 chr1:76516287-76885179 5 3.17E-75 ST6 (alpha-N-acetyl-neuraminy-2,3-beta-  
 galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3 ENSG00000184005  
 ST6GALNAC5 chr1:77123310-77124211 1 8.51E-78 ST6 (alpha-N-acetyl-neuraminy-2,3-beta-  
 galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5 ENSG00000117069  
 STARD7 chr2:96851188-96851729 1 1.12E-84 StAR-related lipid transfer (START) domain containing 7  
 ENSG00000084090  
 STK3 chr8:99678875-99679214 1 8.32E-92 serine/threonine kinase 3 ENSG00000104375  
 STMN4 chr8:26958363-26958906 1 8.71E-78 stathmin-like 4 ENSG00000015592

STON1-GTF2A1L	chr2:48738254-48738789	1	2.00E-72	STON1-GTF2A1L readthrough	
ENSG00000068781					
STRN	chr2:37058654-37059516	1	3.02E-76	striatin, calmodulin binding protein	ENSG00000115808
STX16	chr20:57191752-57193303	1	6.92E-144	syntaxin 16	ENSG00000124222
STX18	chr4:4496044-4497399	1	7.41E-85	syntaxin 18	ENSG00000168818
STXBP5	chr6:147339164-147339903	1	8.91E-76	syntaxin binding protein 5 (tomosyn)	
ENSG00000164506					
STXBP6	chr14:25447447-25448516	1	1.07E-77	syntaxin binding protein 6 (amisyn)	ENSG00000168952
SUDS3	chr12:119039958-119040684	1	6.92E-91	suppressor of defective silencing 3 homolog (S. cerevisiae)	
ENSG00000111707					
SUMO1P1	chr20:52575734-52577004	1	1.35E-81	SUMO1 pseudogene 1	ENSG00000241721
SUPT16H	chr14:21817728-21818514	1	1.66E-90	suppressor of Ty 16 homolog (S. cerevisiae)	
ENSG00000092201					
SUPT3H	chr6:45489524-45490893	1	3.98E-77	suppressor of Ty 3 homolog (S. cerevisiae)	
ENSG00000196284					
SUPT7L	chr2:27898743-27899529	1	5.89E-73	suppressor of Ty 7 (S. cerevisiae)-like	ENSG00000119760
SYCP1	chr1:115482595-115482985	1	6.31E-72	synaptonemal complex protein 1	ENSG00000198765
SYNDIG1	chr20:24558254-24559062	1	5.25E-82	synapse differentiation inducing 1	ENSG00000101463
SYNE1	chr6:152673724-152852562	3	1.56E-72	spectrin repeat containing, nuclear envelope 1	
ENSG00000131018					
SYNJ2	chr6:158368307-158369036	1	3.09E-79	synaptojanin 2	ENSG00000078269
SYPL1	chr7:105721975-105722913	1	2.19E-82	synaptophysin-like 1	ENSG00000008282
SYT1	chr12:78875387-78876278	1	2.40E-73	synaptotagmin I	ENSG00000067715
SYT15	chr10:46947992-46948735	1	1.15E-89	synaptotagmin XV	ENSG00000263480
SYTL3	chr6:159089315-159090922	1	1.82E-117	synaptotagmin-like 3	ENSG00000164674
TADA1	chr1:166867588-166868348	1	1.41E-87	transcriptional adaptor 1	ENSG00000152382
TAF11	chr6:34811549-34812574	1	3.09E-87	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kDa	ENSG00000064995
TAF1A	chr1:222754054-222754582	1	2.34E-73	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa	ENSG00000143498
TAF4B	chr18:23962855-23963594	1	4.37E-78	TAF4b RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa	ENSG00000141384
TANC1	chr2:159786344-159787142	1	4.57E-89	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	ENSG00000115183
TANC2	chr17:61156707-61158026	1	2.88E-96	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2	ENSG00000170921
TARBP1	chr1:234572761-234595063	3	2.61E-83	TAR (HIV-1) RNA binding protein 1	ENSG00000059588
TARSL2	chr15:102269259-102270189	1	6.92E-125	threonyl-tRNA synthetase-like 2	ENSG00000185418
TAS2R7	chr12:10926353-10927312	1	3.39E-72	taste receptor, type 2, member 7	ENSG00000273404
TBC1D23	chr3:99948398-99949422	1	3.02E-116	TBC1 domain family, member 23	ENSG00000036054
TBC1D4	chr13:76057041-76058031	1	5.50E-82	TBC1 domain family, member 4	ENSG00000136111
TBC1D5	chr3:17689497-17896114	2	2.94E-75	TBC1 domain family, member 5	ENSG00000131374
TBL1XR1	chr3:177210151-177210983	1	2.75E-74	transducin (beta)-like 1 X-linked receptor 1	ENSG00000177565
TBPL1	chr6:134292016-134292596	1	9.77E-86	TBP-like 1	ENSG00000028839
TBX2	chr17:59333709-59334764	1	1.51E-86	T-box 2	ENSG00000121068
TBX5	chr12:114941601-114942455	1	1.05E-82	T-box 5	ENSG00000089225
TCF24	chr8:67898071-67898740	1	6.31E-117	transcription factor 24	ENSG00000261787
TCF7L2	chr10:114690055-114691134	1	2.63E-98	transcription factor 7-like 2 (T-cell specific, HMG-box)	ENSG00000148737
TCHH	chr1:152085498-152086435	1	1.20E-96	trichohyalin	ENSG00000159450
TCTE3	chr6:170138712-170139656	1	2.19E-76	t-complex-associated-testis-expressed 3	
ENSG00000184786					

TDG	chr12:104370624-104371072	1	3.55E-78	thymine-DNA glycosylase	ENSG00000139372
TDGF1P3	chrX:109744957-109745681	1	6.17E-74	teratocarcinoma-derived growth factor 1 pseudogene 3	ENSG00000225366
TDRD3	chr13:60942504-60943232	1	9.55E-79	tudor domain containing 3	ENSG00000083544
TDRD6	chr6:46638517-46638906	1	6.31E-72	tudor domain containing 6	ENSG00000180113
TDRKH	chr1:151756959-151757971	1	1.07E-105	tudor and KH domain containing	ENSG00000182134
TEAD4	chr12:3107202-3108172	1	4.37E-90	TEA domain family member 4	ENSG00000197905
TECRL	chr4:64027843-64028886	1	1.91E-85	trans-2,3-enoyl-CoA reductase-like	ENSG00000205678
TEK	chr9:27084667-27085368	1	1.41E-82	TEK tyrosine kinase, endothelial	ENSG00000120156
TEKT4P2	chr21:9960992-9962057	1	3.16E-105	tektin 4 pseudogene 2	ENSG00000188681
TERT	chr5:1263310-1264308	1	5.37E-90	telomerase reverse transcriptase	ENSG00000164362
TEX10	chr9:102999511-103000427	1	6.92E-124	testis expressed 10	ENSG00000136891
TEX13B	chrX:107147359-107163589	3	6.21E-85	testis expressed 13B	ENSG00000170925
TFAMP1	chr7:1651000-1651627	1	6.03E-99	transcription factor A, mitochondrial pseudogene 1	ENSG00000230444
TFDP2	chr3:141841496-141842417	1	2.82E-81	transcription factor Dp-2 (E2F dimerization partner 2)	ENSG00000114126
TGFB2	chr1:218517176-218518371	1	8.91E-82	transforming growth factor, beta 2	ENSG00000092969
TGFBR1	chr9:101847538-101908729	2	1.99E-83	transforming growth factor, beta receptor 1	ENSG00000106799
TGFBR2	chr3:30744142-30744705	1	1.48E-81	transforming growth factor, beta receptor II (70/80kDa)	ENSG00000163513
THBS2	chr6:169704629-169705363	1	7.76E-73	thrombospondin 2	ENSG00000186340
THOC1	chr18:229511-230034	1	5.01E-74	THO complex 1	ENSG00000079134
THOC2	chrX:122620184-122651777	2	1.41E-105	THO complex 2	ENSG00000125676
THOC7	chr3:63841098-63842007	1	7.24E-103	THO complex 7 homolog (Drosophila)	ENSG00000163634
THSD7B	chr2:137632747-137633826	1	5.50E-82	thrombospondin, type I, domain containing 7B	ENSG00000144229
TICAM2	chr5:114911462-114912590	1	7.24E-79	toll-like receptor adaptor molecule 2	ENSG00000243414
TIMM8A	chrX:100586131-100586744	1	6.92E-91	translocase of inner mitochondrial membrane 8 homolog A (yeast)	ENSG00000268249
TJP1	chr15:30045438-30046211	1	4.17E-80	tight junction protein 1	ENSG00000104067
TJP2	chr9:71733420-71735507	2	2.04E-80	tight junction protein 2	ENSG00000119139
TLE1	chr9:83454382-84337191	3	1.27E-78	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	ENSG00000196781
TLE4	chr9:81802277-82778514	8	3.86E-73	transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila)	ENSG00000106829
TM2D3	chr15:102127103-102128205	1	1.48E-83	TM2 domain containing 3	ENSG00000184277
TMC1	chr9:75171488-75172532	1	7.59E-114	transmembrane channel-like 1	ENSG00000165091
TMED10	chr14:75640485-75641741	1	3.02E-78	transmembrane emp24-like trafficking protein 10 (yeast)	ENSG00000170348
TMED9	chr5:177004662-177006290	1	2.95E-94	transmembrane emp24 protein transport domain containing 9	ENSG00000184840
TMEFF1	chr9:103223922-103224982	1	8.71E-84	transmembrane protein with EGF-like and two follistatin-like domains 1	ENSG00000241697
TMEM132B	chr12:125872341-125872948	1	4.79E-82	transmembrane protein 132B	ENSG00000139364
TMEM132C	chr12:128623949-128624499	1	2.24E-83	transmembrane protein 132C	ENSG00000181234
TMEM135	chr11:87082517-87083032	1	1.38E-88	transmembrane protein 135	ENSG00000166575
TMEM164	chrX:109266391-109280123	2	1.29E-74	transmembrane protein 164	ENSG00000157600

TMEM182	chr2:103487854-103488329	1	3.63E-74	transmembrane protein 182	ENSG00000170417
TMEM2	chr9:74381025-74381830	1	7.24E-79	transmembrane protein 2	ENSG00000135048
TMEM200A	chr6:130707827-130920196	2	1.07E-82	transmembrane protein 200A	ENSG00000164484
TMEM212	chr3:171630007-171630730	1	4.79E-74	transmembrane protein 212	ENSG00000186329
TMEM217	chr6:37230474-37231626	1	2.75E-74	transmembrane protein 217	ENSG00000172738
TMEM50B	chr21:34819830-34820868	1	7.24E-78	transmembrane protein 50B	ENSG00000263160
TMEM64	chr8:91547078-91547994	1	2.04E-87	transmembrane protein 64	ENSG00000180694
TMEM66	chr8:29931011-29932036	1	8.91E-93	transmembrane protein 66	ENSG00000133872
TMOD1	chr9:100219130-100219927	1	9.55E-81	tropomodulin 1	ENSG00000136842
TNFRSF10C	chr8:22970064-22970956	1	4.57E-108	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	ENSG00000173535
TNFRSF10D	chr8:23010970-23011997	1	2.63E-73	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	ENSG00000173530
TNFSF12	chr17:7421287-7422059	1	1.95E-74	tumor necrosis factor (ligand) superfamily, member 12	ENSG00000239697
TNFSF4	chr1:173227409-173228423	1	6.92E-83	tumor necrosis factor (ligand) superfamily, member 4	ENSG00000117586
TNIK	chr3:171146378-171147246	1	1.23E-75	TRAF2 and NCK interacting kinase	ENSG00000154310
TNNI1	chr1:201394588-201395530	1	3.72E-79	troponin I type 1 (skeletal, slow)	ENSG00000159173
TNP1	chr2:217835199-217835775	1	2.00E-73	transition protein 1 (during histone to protamine replacement)	ENSG00000118245
TNR	chr1:175521571-175522496	1	3.55E-92	tenascin R	ENSG00000116147
TNRC6B	chr22:40531557-40532353	1	4.90E-74	trinucleotide repeat containing 6B	ENSG00000100354
TNS3	chr7:47409378-47410035	1	9.55E-79	tensin 3	ENSG00000136205
TPCN2	chr11:68934448-68935173	1	1.05E-79	two pore segment channel 2	ENSG00000162341
TPI1P3	chr6:116335615-116337195	1	2.00E-146	triosephosphate isomerase 1 pseudogene 3	ENSG00000186743
TPM2	chr9:35685436-35686216	1	3.31E-85	tropomyosin 2 (beta)	ENSG00000198467
TPST1	chr7:65699406-65700090	1	1.48E-78	tyrosylprotein sulfotransferase 1	ENSG00000169902
TPTE	chr21:10720694-10721538	1	5.89E-75	transmembrane phosphatase with tensin homology	ENSG00000166157
TRANK1	chr3:36904891-36905209	1	4.90E-79	tetratricopeptide repeat and ankyrin repeat containing 1	ENSG00000168016
TRAPPC10	chr21:45408307-45409115	1	1.78E-82	trafficking protein particle complex 10	ENSG00000160218
TRDN	chr6:123778784-123779698	1	5.37E-82	triadin	ENSG00000186439
TRHR	chr8:110201820-110202929	1	4.17E-76	thyrotropin-releasing hormone receptor	ENSG00000174417
TRIM2	chr4:154053977-154055091	1	6.76E-155	tripartite motif containing 2	ENSG00000109654
TRIM37	chr17:57144419-57195476	2	2.62E-79	tripartite motif containing 37	ENSG00000108395
TRIM9	chr14:51495627-51496212	1	1.41E-78	tripartite motif containing 9	ENSG00000100505
TRMT5	chr14:61406793-61407527	1	8.71E-82	tRNA methyltransferase 5	ENSG00000126814
TRPC1	chr3:142478065-142479129	1	5.37E-82	transient receptor potential cation channel, subfamily C, member 1	ENSG00000144935
TSC1	chr9:135789956-135790723	1	1.17E-118	tuberous sclerosis 1	ENSG00000165699
TSC22D2	chr3:150146189-150147152	1	1.48E-99	TSC22 domain family, member 2	ENSG00000196428
TSNAX	chr1:231681831-231682870	1	1.74E-108	translin-associated factor X	ENSG00000116918
TSPAN3	chr15:77414355-77414977	1	6.92E-74	tetraspanin 3	ENSG00000140391
TSPAN9	chr12:3155622-3156789	1	1.58E-160	tetraspanin 9	ENSG00000011105
TSPYL4	chr6:116585952-116586686	1	8.51E-91	TSPY-like 4	ENSG00000187189
TSSK1B	chr5:112729844-112730475	1	3.02E-85	testis-specific serine kinase 1B	ENSG00000212122
TTC27	chr2:32842251-32843113	1	1.70E-89	tetratricopeptide repeat domain 27	ENSG00000018699



TTC28	chr22:28746320-28788672	2	5.15E-79	tetratricopeptide repeat domain 28	ENSG00000100154
TTC30A	chr2:178607442-178630977	2	8.84E-90	tetratricopeptide repeat domain 30A	
ENSG00000197557					
TTC3P1	chrX:74927422-74928081	1	1.70E-75	tetratricopeptide repeat domain 3 pseudogene 1	
ENSG00000215105					
TTL	chr2:113259595-113260522	1	3.09E-86	tubulin tyrosine ligase	ENSG00000114999
TLL7	chr1:83691386-83692129	1	1.23E-77	tubulin tyrosine ligase-like family, member 7	
ENSG00000137941					
TTR	chr18:29141364-29142289	1	2.09E-82	transthyretin	ENSG00000118271
TUBE1	chr6:112489695-112490812	1	2.14E-94	tubulin, epsilon 1	ENSG00000264528
TUBGCP4	chr15:43693946-43695043	1	7.24E-79	tubulin, gamma complex associated protein 4	
ENSG00000137822					
TUSC3	chr8:15269428-15627626	8	8.39E-74	tumor suppressor candidate 3	ENSG00000104723
TXNRD3NB	chr3:126315088-126315563	1	8.91E-79	thioredoxin reductase 3 neighbor	
ENSG00000206483					
UBE2DNL	chrX:84051094-84051735	1	2.45E-90	ubiquitin-conjugating enzyme E2D N-terminal like (pseudogene)	ENSG00000229547
UBE2E2	chr3:23085447-23086119	1	3.24E-86	ubiquitin-conjugating enzyme E2E 2	ENSG00000182247
UBE2MP1	chr16:34231529-34232724	1	1.32E-112	ubiquitin-conjugating enzyme E2M pseudogene 1	
ENSG00000261461					
UBE2Q2	chr15:76150698-76151590	1	4.68E-90	ubiquitin-conjugating enzyme E2Q family member 2	
ENSG00000140367					
UBE2R2	chr9:33835759-33836449	1	9.55E-79	ubiquitin-conjugating enzyme E2R 2	ENSG00000107341
UBN2	chr7:138960987-138961954	1	3.89E-87	ubiquitin 2	ENSG00000157741
UBQLN1	chr9:86286112-86352063	2	1.34E-78	ubiquilin 1	ENSG00000135018
UFSP2	chr4:186340142-186340882	1	6.17E-84	UFM1-specific peptidase 2	ENSG00000109775
UNC45B	chr17:33479369-33480150	1	1.78E-73	unc-45 homolog B (C. elegans)	ENSG00000141161
UNC5C	chr4:96293820-96294885	1	2.57E-83	unc-5 homolog C (C. elegans)	ENSG00000182168
UNC80	chr2:210492955-210493742	1	2.19E-84	unc-80 homolog (C. elegans)	ENSG00000144406
UPF3A	chr13:115036449-115037216	1	8.71E-81	UPF3 regulator of nonsense transcripts homolog A (yeast)	ENSG00000169062
USE1	chr19:17311637-17312254	1	1.00E-80	unconventional SNARE in the ER 1 homolog (S. cerevisiae)	
ENSG00000053501					
USH2A	chr1:216218708-216276445	2	1.69E-96	Usher syndrome 2A (autosomal recessive, mild)	
ENSG00000042781					
USP25	chr21:17105820-17106386	1	9.55E-79	ubiquitin specific peptidase 25	ENSG00000155313
USP33	chr1:78194110-78195239	1	4.79E-118	ubiquitin specific peptidase 33	ENSG00000077254
USP35	chr11:77950313-77950907	1	5.37E-72	ubiquitin specific peptidase 35	ENSG00000118369
USP6NL	chr10:11576872-11577456	1	3.55E-85	USP6 N-terminal like	ENSG00000148429
UST	chr6:149026073-149027140	1	2.51E-129	uronyl-2-sulfotransferase	ENSG00000111962
UTRN	chr6:144841888-145040836	3	3.26E-85	utrophin	ENSG00000152818
VAC14	chr16:70950164-70950865	1	3.47E-97	Vac14 homolog (S. cerevisiae)	ENSG00000103043
VAMP8	chr2:85806264-85807019	1	9.55E-80	vesicle-associated membrane protein 8	ENSG00000118640
VASH1	chr14:77045888-77046633	1	2.45E-83	vasohibin 1	ENSG00000071246
VAV3	chr1:108217076-108285731	2	1.82E-96	vav 3 guanine nucleotide exchange factor	
ENSG00000134215					
VAX1	chr10:118900647-118902096	1	2.95E-159	ventral anterior homeobox 1	ENSG00000148704
VBP1	chrX:154402168-154439392	2	1.99E-81	von Hippel-Lindau binding protein 1	
ENSG00000268440					
VCAM1	chr1:101222657-101223559	1	1.07E-77	vascular cell adhesion molecule 1	
ENSG00000162692					
VEPH1	chr3:157229862-157230739	1	2.95E-80	ventricular zone expressed PH domain-containing 1	
ENSG00000197415					
VGLL2	chr6:117393350-117394310	1	4.17E-72	vestigial like 2 (Drosophila)	ENSG00000170162

VGLL3	chr3:86860075-86860613	1	6.17E-92	vestigial like 3 (Drosophila)	ENSG00000206538
VGLL4	chr3:11626097-11626879	1	2.29E-88	vestigial like 4 (Drosophila)	ENSG00000144560
VIP	chr6:153093305-153093726	1	1.48E-82	vasoactive intestinal peptide	ENSG00000146469
VIT	chr2:36943896-36944509	1	9.55E-79	vitrin	ENSG00000205221
VMA21	chrX:150522980-150524037	1	1.95E-106	VMA21 vacuolar H <sup>+</sup> -ATPase homolog (S. cerevisiae)	ENSG00000160131
VSX2	chr14:74630741-74672538	2	4.89E-85	visual system homeobox 2	ENSG00000119614
VTI1A	chr10:114271058-114272110	1	6.76E-113	vesicle transport through interaction with t-SNAREs	1A ENSG00000151532
VTRNA1-3	chr5:140128002-140128490	1	2.57E-72	vault RNA 1-3	ENSG00000202515
VWF	chr12:6181717-6182662	1	7.41E-79	von Willebrand factor	ENSG00000110799
WBP11P1	chr18:30154264-30155494	1	4.68E-83	WW domain binding protein 11 pseudogene 1	ENSG00000260389
WBP4	chr13:41668892-41670786	1	3.55E-109	WW domain binding protein 4	ENSG00000120688
WDFY2	chr13:52262173-52262912	1	4.37E-78	WD repeat and FYVE domain containing 2	ENSG00000139668
WDR11	chr10:122508703-122509804	1	1.51E-90	WD repeat domain 11	ENSG00000120008
WDR3	chr1:118535731-118536394	1	6.61E-73	WD repeat domain 3	ENSG00000065183
WDR36	chr5:110418389-110419522	1	4.27E-77	WD repeat domain 36	ENSG00000134987
WDR37	chr10:1115619-1116293	1	9.55E-79	WD repeat domain 37	ENSG00000047056
WDR52	chr3:113145278-113146323	1	3.02E-85	WD repeat domain 52	ENSG00000206530
WDR64	chr1:241849465-241856753	2	1.00E-85	WD repeat domain 64	ENSG00000162843
WDR70	chr5:37585079-37585690	1	6.92E-91	WD repeat domain 70	ENSG00000082068
WDYHV1	chr8:124489142-124490051	1	6.76E-100	WDYHV motif containing 1	ENSG00000156795
WIF1	chr12:65444831-65445593	1	2.34E-81	WNT inhibitory factor 1	ENSG00000156076
WISP3	chr6:112291943-112345255	2	1.29E-76	WNT1 inducible signaling pathway protein 3	ENSG00000266134
WNT8B	chr10:102227911-102228809	1	2.19E-89	wingless-type MMTV integration site family, member 8B	ENSG00000075290
WTAP	chr6:160133684-160134452	1	1.66E-118	Wilms tumor 1 associated protein	ENSG00000146457
WWC1	chr5:167530330-167686662	2	2.13E-77	WW and C2 domain containing 1	ENSG00000113645
XCL1	chr1:168557379-168558224	1	1.45E-79	chemokine (C motif) ligand 1	ENSG00000143184
XPNPEP1	chr10:111204678-111463800	2	2.06E-72	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	ENSG00000108039
XPR1	chr1:180696223-180697040	1	5.25E-81	xenotropic and polytropic retrovirus receptor 1	ENSG00000143324
YIPF2	chr19:11028998-11029762	1	2.63E-75	Yip1 domain family, member 2	ENSG00000130733
YWHAB	chr20:43481223-43482242	1	2.09E-93	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta	ENSG00000166913
YWHAQ	chr2:9750688-9752958	1	4.47E-125	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta	ENSG00000134308
ZBED5	chr11:10856410-10857409	1	2.34E-76	zinc finger, BED-type containing 5	ENSG00000236287
ZBTB20	chr3:114679595-114680352	1	4.47E-76	zinc finger and BTB domain containing 20	ENSG00000181722
ZC3H15	chr2:187120164-187131414	2	3.30E-73	zinc finger CCCH-type containing 15	ENSG00000065548
ZCCHC13	chrX:73545832-73546650	1	3.80E-113	zinc finger, CCHC domain containing 13	ENSG00000187969
ZCCHC16	chrX:111557240-111557918	1	9.55E-79	zinc finger, CCHC domain containing 16	ENSG00000187823
ZDHHC23	chr3:113716664-113717340	1	6.61E-73	zinc finger, DHHC-type containing 23	ENSG00000184307
ZFAND2A	chr7:1190247-1191023	1	9.77E-72	zinc finger, AN1-type domain 2A	ENSG00000178381

ZFHx4	chr8:77284664-77405106	2	2.94E-73	zinc finger homeobox 4	ENSG00000091656
ZIC5	chr13:100604778-100605482	1	9.55E-79	Zic family member 5	ENSG00000139800
ZMAT4	chr8:40638673-40639552	1	1.00E-109	zinc finger, matrin-type 4	ENSG00000165061
ZNF169	chr9:97002322-97003418	1	4.90E-91	zinc finger protein 169	ENSG00000175787
ZNF18	chr17:11729613-11730398	1	4.68E-73	zinc finger protein 18	ENSG00000154957
ZNF23	chr16:71457490-71458482	1	4.47E-85	zinc finger protein 23	ENSG00000167377
ZNF234	chr19:44634276-44636202	1	2.00E-83	zinc finger protein 234	ENSG00000263002
ZNF251	chr8:145978424-145979467	1	6.61E-135	zinc finger protein 251	ENSG00000198169
ZNF253	chr19:19985108-19986241	1	4.07E-72	zinc finger protein 253	ENSG00000256771
ZNF280C	chrX:129410314-129410906	1	2.57E-76	zinc finger protein 280C	ENSG00000056277
ZNF326	chr1:90734125-90735274	1	1.91E-83	zinc finger protein 326	ENSG00000162664
ZNF330	chr4:142198683-142199500	1	4.37E-118	zinc finger protein 330	ENSG00000109445
ZNF365	chr10:64155688-64156456	1	7.08E-75	zinc finger protein 365	ENSG00000138311
ZNF385B	chr2:180743466-180743972	1	5.37E-90	zinc finger protein 385B	ENSG00000144331
ZNF385C	chr17:40216281-40217452	1	1.48E-83	zinc finger protein 385C	ENSG00000260320
ZNF385D	chr3:21735247-22513732	2	9.10E-84	zinc finger protein 385D	ENSG00000151789
ZNF423	chr16:49880852-49881983	1	2.82E-77	zinc finger protein 423	ENSG00000102935
ZNF514	chr2:95813259-95813947	1	9.77E-85	zinc finger protein 514	ENSG00000144026
ZNF521	chr18:23135259-23136199	1	5.62E-74	zinc finger protein 521	ENSG00000198795
ZNF536	chr19:30917855-30918351	1	1.20E-103	zinc finger protein 536	ENSG00000198597
ZNF595	chr4:18307-19000	1	8.51E-90	zinc finger protein 595	ENSG00000197701
ZNF608	chr5:123932405-123933080	1	1.23E-79	zinc finger protein 608	ENSG00000168916
ZNF618	chr9:116629197-116629811	1	7.24E-75	zinc finger protein 618	ENSG00000157657
ZNF644	chr1:91382729-91400894	2	1.44E-85	zinc finger protein 644	ENSG00000122482
ZNF648	chr1:182122703-182160903	2	7.76E-82	zinc finger protein 648	ENSG00000179930
ZNF664	chr12:124502875-124503615	1	2.69E-96	zinc finger protein 664	ENSG00000179195
ZNF708	chr19:21512262-21512916	1	9.55E-79	zinc finger protein 708	ENSG00000182141
ZNF716	chr7:57918035-57918886	1	7.24E-72	zinc finger protein 716	ENSG00000260355
ZNF717	chr3:76163954-76164480	1	6.61E-87	zinc finger protein 717	ENSG00000227124
ZNF750	chr17:80811049-80812195	1	3.09E-78	zinc finger protein 750	ENSG00000141579
ZNF79	chr9:130196925-130197565	1	8.32E-78	zinc finger protein 79	ENSG00000196152
ZP4	chr1:238239172-238240547	1	7.24E-136	zona pellucida glycoprotein 4	ENSG00000116996
ZPLD1	chr3:102205831-102206675	1	8.32E-84	zona pellucida-like domain containing 1	ENSG00000170044
ZRANB2	chr1:71968801-71969667	1	3.72E-105	zinc finger, RAN-binding domain containing 2	ENSG00000132485
ZSWIM5	chr1:45639697-45640712	1	2.34E-105	zinc finger, SWIM-type containing 5	ENSG00000162415
ZWILCH	chr15:66811091-66812425	1	1.82E-94	zwilch kinetochore protein	ENSG00000174442
ZZZ3	chr1:78164242-78166460	1	1.95E-121	zinc finger, ZZ-type containing 3	ENSG00000036549