

Supplementary Table S4. Significantly perturbed mRNA levels in PE (Brew et al. 2016)

Gene ID	Description	ENS ID	mRNA Up/ Down
A1BG	alpha-1-B glycoprotein	ENSG00000121410	D
A1CF	APOBEC1 complementation factor	ENSG00000148584	D
A2ML1	alpha-2-macroglobulin-like 1	ENSG00000166535	D
A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	ENSG00000118017	D
AADAC	arylacetamide deacetylase	ENSG00000114771	D
AADACL2	arylacetamide deacetylase-like 2	ENSG00000197953	D
AADAT	aminoadipate aminotransferase	ENSG00000109576	D
AAK1	AP2 associated kinase 1	ENSG00000115977	D
AAMP	angio-associated, migratory cell protein	ENSG00000127837	U
AAR2	AAR2 splicing factor homolog (S. cerevisiae)	ENSG00000131043	U
AARD	alanine and arginine rich domain containing protein	ENSG00000205002	D
AATF	apoptosis antagonizing transcription factor	ENSG00000108270	U
ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	ENSG00000154263	D
ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	ENSG00000198691	D
ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	ENSG00000154262	D
ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1	ENSG00000085563	U
ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	ENSG00000073734	D
ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	ENSG00000005471	D
ABCB5	ATP-binding cassette, sub-family B (MDR/TAP), member 5	ENSG00000004846	D
ABCB7	ATP-binding cassette, sub-family B (MDR/TAP), member 7	ENSG00000131269	U
ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13, pseudogene	NA	D
ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	ENSG00000091262	D
ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	ENSG00000006071	D
ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	ENSG00000069431	D
ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	ENSG00000101986	U

ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	ENSG00000172350	D
ABHD1	abhydrolase domain containing 1	ENSG00000143994	D
ABHD12	abhydrolase domain containing 12	ENSG00000100997	U
ABHD12B	abhydrolase domain containing 12B	ENSG00000131969	D
ABHD13	abhydrolase domain containing 13	ENSG00000139826	D
ABHD16A	abhydrolase domain containing 16A	ENSG00000204427	U
ABHD16B	abhydrolase domain containing 16B	ENSG00000183260	D
ABHD2	abhydrolase domain containing 2	ENSG00000140526	D
ABHD5	abhydrolase domain containing 5	ENSG00000011198	U
ABHD8	abhydrolase domain containing 8	ENSG00000127220	U
ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)	NA	D
ABRA	actin-binding Rho activating protein	ENSG00000174429	D
ABT1	activator of basal transcription 1	ENSG00000146109	D
ACAA1	acetyl-CoA acyltransferase 1	ENSG00000060971	U
ACAA2	acetyl-CoA acyltransferase 2	ENSG00000167315	U
ACAD11	acyl-CoA dehydrogenase family, member 11	ENSG00000240303	U
ACAD8	acyl-CoA dehydrogenase family, member 8	ENSG00000151498	D
ACAD9	acyl-CoA dehydrogenase family, member 9	ENSG00000177646	U
ACADSB	acyl-CoA dehydrogenase, short/branched chain	ENSG00000196177	D
ACAN	aggrecan	ENSG00000157766	D
ACAT1	acetyl-CoA acetyltransferase 1	ENSG00000075239	U
ACBD3	acyl-CoA binding domain containing 3	ENSG00000182827	U
ACBD5	acyl-CoA binding domain containing 5	ENSG00000107897	D
ACBD6	acyl-CoA binding domain containing 6	ENSG00000135847	U
ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	ENSG00000159640	D
ACER1	alkaline ceramidase 1	ENSG00000167769	D
ACHE	acetylcholinesterase	ENSG00000087085	D
ACIN1	apoptotic chromatin condensation inducer 1	ENSG00000100813	U

ACLY	ATP citrate lyase	ENSG00000131473	U
ACO2	aconitase 2, mitochondrial	ENSG00000100412	U
ACOT12	acyl-CoA thioesterase 12	ENSG00000172497	D
ACOT13	acyl-CoA thioesterase 13	ENSG00000112304	U
ACOX3	acyl-CoA oxidase 3, pristanoyl	ENSG00000087008	U
ACP1	acid phosphatase 1, soluble	ENSG00000143727	U
ACP2	acid phosphatase 2, lysosomal	ENSG00000134575	U
ACR	acrosin	ENSG00000100312	D
ACRBP	acrosin binding protein	ENSG00000111644	D
ACRC	acidic repeat containing	ENSG00000147174	D
ACRV1	acrosomal vesicle protein 1	ENSG00000134940	D
ACSBG1	acyl-CoA synthetase bubblegum family member 1	ENSG00000103740	D
ACSBG2	acyl-CoA synthetase bubblegum family member 2	ENSG00000130377	D
ACSF2	acyl-CoA synthetase family member 2	ENSG00000167107	U
ACSF3	acyl-CoA synthetase family member 3	ENSG00000176715	D
ACSL4	acyl-CoA synthetase long-chain family member 4	ENSG00000068366	U
ACSL6	acyl-CoA synthetase long-chain family member 6	ENSG00000164398	D
ACSM1	acyl-CoA synthetase medium-chain family member 1	ENSG00000166743	D
ACSM2B	acyl-CoA synthetase medium-chain family member 2B	ENSG00000066813	D
ACSM3	acyl-CoA synthetase medium-chain family member 3	ENSG00000005187	D
ACSM5	acyl-CoA synthetase medium-chain family member 5	ENSG00000183549	D
ACSS3	acyl-CoA synthetase short-chain family member 3	ENSG00000111058	D
ACTBL2	actin, beta-like 2	ENSG00000169067	D
ACTL6A	actin-like 6A	ENSG00000136518	U
ACTL6B	actin-like 6B	ENSG00000077080	D
ACTL7A	actin-like 7A	ENSG00000187003	D
ACTL7B	actin-like 7B	ENSG00000148156	D
ACTL8	actin-like 8	ENSG00000117148	D
ACTL9	actin-like 9	ENSG00000181786	D
ACTN2	actinin, alpha 2	ENSG00000077522	D

ACTN3	actinin, alpha 3	NA	D
ACTR10	actin-related protein 10 homolog (<i>S. cerevisiae</i>)	ENSG00000131966	U
ACTR1B	ARP1 actin-related protein 1 homolog B, centractin beta (yeast)	ENSG00000115073	U
ACTR3	ARP3 actin-related protein 3 homolog (yeast)	ENSG00000115091	U
ACTR3B	ARP3 actin-related protein 3 homolog B (yeast)	ENSG00000133627	D
ACTR5	ARP5 actin-related protein 5 homolog (yeast)	ENSG00000101442	D
ACTR6	ARP6 actin-related protein 6 homolog (yeast)	ENSG00000075089	U
ACTRT2	actin-related protein T2	ENSG00000169717	D
ACVR1	activin A receptor, type I	ENSG00000115170	U
ACVR1C	activin A receptor, type IC	ENSG00000123612	D
ACVRL1	activin A receptor type II-like 1	ENSG00000139567	U
ACY3	aspartoacylase (aminocyclase) 3	ENSG00000132744	D
ADAD2	adenosine deaminase domain containing 2	ENSG00000140955	D
ADAL	adenosine deaminase-like	ENSG00000168803	D
ADAM15	ADAM metalloproteinase domain 15	ENSG00000143537	U
ADAM2	ADAM metalloproteinase domain 2	ENSG00000104755	D
ADAM20	ADAM metalloproteinase domain 20	ENSG00000134007	D
ADAM21	ADAM metalloproteinase domain 21	NA	D
ADAM28	ADAM metalloproteinase domain 28	ENSG00000042980	D
ADAM7	ADAM metalloproteinase domain 7	ENSG00000069206	D
ADAMDEC1	ADAM-like, decysin 1	ENSG00000134028	D
ADAMTS1	ADAM metalloproteinase with thrombospondin type 1 motif, 1	ENSG00000154734	U
ADAMTS10	ADAM metalloproteinase with thrombospondin type 1 motif, 10	ENSG00000142303	D
ADAMTS12	ADAM metalloproteinase with thrombospondin type 1 motif, 12	ENSG00000151388	D
ADAMTS14	ADAM metalloproteinase with thrombospondin type 1 motif, 14	ENSG00000138316	D
ADAMTS15	ADAM metalloproteinase with thrombospondin type 1 motif, 15	ENSG00000166106	D
ADAMTS16	ADAM metalloproteinase with thrombospondin type 1 motif, 16	ENSG00000145536	D
ADAMTS20	ADAM metalloproteinase with thrombospondin type 1 motif, 20	ENSG00000173157	D
ADAMTS4	ADAM metalloproteinase with thrombospondin type 1 motif, 4	ENSG00000158859	D
ADAMTS6	ADAM metalloproteinase with thrombospondin type 1 motif, 6	ENSG00000049192	U

ADAMTS7	ADAM metalloproteinase with thrombospondin type 1 motif, 7	ENSG00000136378	D
ADAMTSL1	ADAMTS-like 1	ENSG00000178031	D
ADAMTSL4	ADAMTS-like 4	ENSG00000143382	U
ADAP2	ArfGAP with dual PH domains 2	ENSG00000184060	U
ADAR	adenosine deaminase, RNA-specific	ENSG00000160710	U
ADC	arginine decarboxylase	ENSG00000142920	D
ADCK2	aarF domain containing kinase 2	ENSG00000133597	U
ADCK5	aarF domain containing kinase 5	ENSG00000173137	D
ADCY1	adenylate cyclase 1 (brain)	ENSG00000164742	D
ADCY4	adenylate cyclase 4	ENSG00000129467	U
ADCY5	adenylate cyclase 5	ENSG00000173175	D
ADCY8	adenylate cyclase 8 (brain)	ENSG00000155897	D
ADCYAP1R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	ENSG00000078549	D
ADD2	adducin 2 (beta)	ENSG00000075340	D
ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	ENSG00000248144	D
ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide	ENSG00000197894	D
ADH6	alcohol dehydrogenase 6 (class V)	ENSG00000172955	D
ADIG	adipogenin	ENSG00000182035	D
ADIPOQ	adiponectin, C1Q and collagen domain containing	ENSG00000181092	D
ADIPOR2	adiponectin receptor 2	ENSG00000006831	U
ADNP	activity-dependent neuroprotector homeobox	ENSG00000101126	U
ADNP2	ADNP homeobox 2	ENSG00000101544	U
ADPGK	ADP-dependent glucokinase	ENSG00000159322	U
ADPRHL2	ADP-ribosylhydrolase like 2	ENSG00000116863	U
ADRA1B	adrenoceptor alpha 1B	ENSG00000170214	D
ADRB3	adrenoceptor beta 3	ENSG00000188778	D
ADRBK1	adrenergic, beta, receptor kinase 1	ENSG00000173020	D
ADRBK2	adrenergic, beta, receptor kinase 2	ENSG00000100077	D
ADSL	adenylosuccinate lyase	ENSG00000239900	U
ADTRP	androgen-dependent TFPI-regulating protein	ENSG00000111863	D

AEBP1	AE binding protein 1	ENSG00000106624	U
AEBP2	AE binding protein 2	ENSG00000139154	U
AEN	apoptosis enhancing nuclease	ENSG00000181026	U
AES	amino-terminal enhancer of split	ENSG00000104964	U
AFF1	AF4/FMR2 family, member 1	ENSG00000172493	U
AFF4	AF4/FMR2 family, member 4	ENSG00000072364	U
AFG3L2	AFG3 ATPase family gene 3-like 2 (<i>S. cerevisiae</i>)	ENSG00000141385	U
AFP	alpha-fetoprotein	ENSG00000081051	D
AGBL2	ATP/GTP binding protein-like 2	ENSG00000165923	D
AGBL4	ATP/GTP binding protein-like 4	ENSG00000186094	D
AGER	advanced glycosylation end product-specific receptor	ENSG00000204305	D
AGPAT4-IT1	AGPAT4 intronic transcript 1 (non-protein coding)	NA	D
	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid		
AGPAT5	acyltransferase, epsilon)	ENSG00000155189	U
AGR2	anterior gradient 2 homolog (<i>Xenopus laevis</i>)	ENSG00000106541	D
AGR3	anterior gradient 3 homolog (<i>Xenopus laevis</i>)	ENSG00000173467	D
AGRP	agouti related protein homolog (mouse)	ENSG00000159723	D
AGT	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	ENSG00000135744	D
AGTR2	angiotensin II receptor, type 2	ENSG00000180772	D
AGXT2L1	alanine-glyoxylate aminotransferase 2-like 1	ENSG00000164089	D
AHNAK	AHNAK nucleoprotein	ENSG00000124942	U
AHSA1	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)	ENSG00000100591	U
AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	ENSG00000173209	U
AHSG	alpha-2-HS-glycoprotein	ENSG00000145192	D
AHSP	alpha hemoglobin stabilizing protein	ENSG00000169877	U
AIDA	axin interactor, dorsalization associated	ENSG00000186063	D
AIF1	allograft inflammatory factor 1	ENSG00000204472	U
AIFM3	apoptosis-inducing factor, mitochondrion-associated, 3	ENSG00000183773	D
AIM1	absent in melanoma 1	ENSG00000112297	U
AIM2	absent in melanoma 2	ENSG00000163568	D

	aminoacyl tRNA synthetase complex-interacting multifunctional protein		
AIMP2	2	ENSG00000106305	U
AIP	aryl hydrocarbon receptor interacting protein	ENSG00000110711	U
AIPL1	aryl hydrocarbon receptor interacting protein-like 1	ENSG00000129221	D
AIRE	autoimmune regulator	ENSG00000160224	D
AK2	adenylate kinase 2	ENSG00000004455	U
AK3	adenylate kinase 3	ENSG00000147853	U
AK5	adenylate kinase 5	ENSG00000154027	D
AK7	adenylate kinase 7	ENSG00000140057	D
AK8	adenylate kinase 8	ENSG00000165695	D
AKAP14	A kinase (PRKA) anchor protein 14	ENSG00000186471	D
AKAP3	A kinase (PRKA) anchor protein 3	ENSG00000111254	D
AKAP4	A kinase (PRKA) anchor protein 4	ENSG00000147081	D
AKAP5	A kinase (PRKA) anchor protein 5	ENSG00000179841	D
AKAP6	A kinase (PRKA) anchor protein 6	ENSG00000151320	D
AKAP8	A kinase (PRKA) anchor protein 8	ENSG00000105127	U
AKAP8L	A kinase (PRKA) anchor protein 8-like	ENSG00000011243	U
AKIRIN2	akirin 2	ENSG00000135334	U
AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	ENSG00000117448	U
AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	ENSG00000198074	D
AKR1E2	aldo-keto reductase family 1, member E2	ENSG00000165568	D
AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	ENSG00000162482	D
AKT1	v-akt murine thymoma viral oncogene homolog 1	ENSG00000142208	U
AKT1S1	AKT1 substrate 1 (proline-rich)	ENSG00000204673	U
AKTIP	AKT interacting protein	ENSG00000166971	U
ALB	albumin	ENSG00000163631	D
ALDH16A1	aldehyde dehydrogenase 16 family, member A1	ENSG00000161618	U
ALDH1B1	aldehyde dehydrogenase 1 family, member B1	ENSG00000137124	D
ALDH1L2	aldehyde dehydrogenase 1 family, member L2	ENSG00000136010	D
ALDH3A1	aldehyde dehydrogenase 3 family, member A1	ENSG00000108602	D

ALDH3B2	aldehyde dehydrogenase 3 family, member B2	ENSG00000132746	U
ALDH7A1	aldehyde dehydrogenase 7 family, member A1	ENSG00000164904	U
ALDH8A1	aldehyde dehydrogenase 8 family, member A1	ENSG00000118514	D
ALDOA	aldolase A, fructose-bisphosphate	ENSG00000149925	U
ALG3	asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog (<i>S. cerevisiae</i>)	ENSG00000214160	U
ALG5	asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase homolog (<i>S. cerevisiae</i>)	ENSG00000120697	U
ALG6	asparagine-linked glycosylation 6, alpha-1,3-glucosyltransferase homolog (<i>S. cerevisiae</i>)	ENSG00000088035	U
ALG8	asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog (<i>S. cerevisiae</i>)	ENSG00000159063	U
ALG9	asparagine-linked glycosylation 9, alpha-1,2-mannosyltransferase homolog (<i>S. cerevisiae</i>)	ENSG00000086848	U
ALK	anaplastic lymphoma receptor tyrosine kinase	ENSG00000171094	D
ALKBH7	alkB, alkylation repair homolog 7 (<i>E. coli</i>)	ENSG00000125652	U
ALLC	allantoicase	ENSG00000151360	D
ALMS1P	Alstrom syndrome 1 pseudogene	NA	D
ALOX12	arachidonate 12-lipoxygenase	ENSG00000108839	D
ALOX12B	arachidonate 12-lipoxygenase, 12R type	ENSG00000179477	D
ALOX15	arachidonate 15-lipoxygenase	ENSG00000161905	D
ALOX15B	arachidonate 15-lipoxygenase, type B	ENSG00000179593	D
ALOX5AP	arachidonate 5-lipoxygenase-activating protein	ENSG00000132965	U
ALPI	alkaline phosphatase, intestinal	ENSG00000163295	D
ALPK3	alpha-kinase 3	ENSG00000136383	D
ALPPL2	alkaline phosphatase, placental-like 2	ENSG00000163286	D
ALS2	amyotrophic lateral sclerosis 2 (juvenile)	ENSG00000003393	U
ALS2CR12	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 12	ENSG00000155749	D
ALX3	ALX homeobox 3	ENSG00000156150	D

AMBN	ameloblastin (enamel matrix protein)	ENSG00000178522	D
AMBP	alpha-1-microglobulin/bikunin precursor	ENSG00000106927	D
AMD1	adenosylmethionine decarboxylase 1	ENSG00000123505	U
AMDHD1	amidohydrolase domain containing 1	ENSG00000139344	D
AMELX	amelogenin, X-linked	ENSG00000125363	D
AMFR	autocrine motility factor receptor, E3 ubiquitin protein ligase	ENSG00000159461	U
AMHR2	anti-Mullerian hormone receptor, type II	ENSG00000135409	D
AMIGO2	adhesion molecule with Ig-like domain 2	ENSG00000139211	D
AMN	amnionless homolog (mouse)	ENSG00000166126	D
AMOT	angiomotin	ENSG00000126016	U
AMOTL2	angiomotin like 2	ENSG00000114019	D
AMPD3	adenosine monophosphate deaminase 3	ENSG00000133805	D
AMPH	amphiphysin	ENSG00000078053	D
AMZ1	archaelysin family metallopeptidase 1	ENSG00000174945	D
AMZ2	archaelysin family metallopeptidase 2	ENSG00000196704	U
ANAPC13	anaphase promoting complex subunit 13	ENSG00000129055	U
ANAPC4	anaphase promoting complex subunit 4	ENSG00000053900	U
ANAPC5	anaphase promoting complex subunit 5	ENSG00000089053	U
ANG	angiogenin, ribonuclease, RNase A family, 5	ENSG00000214274	U
ANGPT2	angiopoietin 2	ENSG00000091879	U
ANGPTL3	angiopoietin-like 3	ENSG00000132855	D
ANGPTL4	angiopoietin-like 4	ENSG00000167772	U
ANGPTL5	angiopoietin-like 5	ENSG00000187151	D
ANGPTL7	angiopoietin-like 7	ENSG00000171819	D
ANK2	ankyrin 2, neuronal	ENSG00000145362	D
ANK3	ankyrin 3, node of Ranvier (ankyrin G)	ENSG00000151150	U
ANKDD1A	ankyrin repeat and death domain containing 1A	ENSG00000166839	U
ANKH	ankylosis, progressive homolog (mouse)	ENSG00000154122	D
ANKK1	ankyrin repeat and kinase domain containing 1	ENSG00000170209	D
ANKLE1	ankyrin repeat and LEM domain containing 1	ENSG00000160117	D

ANKMY2	ankyrin repeat and MYND domain containing 2	ENSG00000106524	U
ANKRD11	ankyrin repeat domain 11	ENSG00000167522	D
ANKRD12	ankyrin repeat domain 12	ENSG00000101745	U
ANKRD13B	ankyrin repeat domain 13B	ENSG00000198720	D
ANKRD13D	ankyrin repeat domain 13 family, member D	ENSG00000172932	D
ANKRD18DP	ankyrin repeat domain 18D, pseudogene	NA	D
ANKRD19P	ankyrin repeat domain 19, pseudogene	NA	D
ANKRD20A2	ankyrin repeat domain 20 family, member A2	ENSG00000183148	D
ANKRD22	ankyrin repeat domain 22	ENSG00000152766	D
ANKRD23	ankyrin repeat domain 23	ENSG00000163126	D
ANKRD28	ankyrin repeat domain 28	ENSG00000206560	D
ANKRD33	ankyrin repeat domain 33	ENSG00000167612	U
ANKRD35	ankyrin repeat domain 35	ENSG00000198483	D
ANKRD36B	ankyrin repeat domain 36B	NA	D
ANKRD40	ankyrin repeat domain 40	ENSG00000154945	U
ANKRD42	ankyrin repeat domain 42	ENSG00000137494	D
ANKRD44	ankyrin repeat domain 44	ENSG00000065413	D
ANKRD45	ankyrin repeat domain 45	ENSG00000183831	D
ANKRD46	ankyrin repeat domain 46	ENSG00000186106	U
ANKRD55	ankyrin repeat domain 55	ENSG00000164512	D
ANKRD7	ankyrin repeat domain 7	ENSG00000106013	D
ANKRD9	ankyrin repeat domain 9	ENSG00000156381	U
ANO10	anoctamin 10	ENSG00000160746	U
ANO2	anoctamin 2	ENSG00000047617	U
ANO3	anoctamin 3	ENSG00000134343	D
ANO6	anoctamin 6	ENSG00000177119	U
ANO9	anoctamin 9	ENSG00000185101	D
ANP32D	acidic (leucine-rich) nuclear phosphoprotein 32 family, member D	ENSG00000139223	D
ANP32E	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	ENSG00000143401	D
ANTXR2	anthrax toxin receptor 2	ENSG00000163297	U

ANXA13	annexin A13	ENSG00000104537	D
ANXA2	annexin A2	ENSG00000182718	U
ANXA3	annexin A3	ENSG00000138772	U
ANXA4	annexin A4	ENSG00000196975	U
ANXA7	annexin A7	ENSG00000138279	U
ANXA8L2	annexin A8-like 2	ENSG00000186807	U
ANXA9	annexin A9	ENSG00000143412	D
AOC2	amine oxidase, copper containing 2 (retina-specific)	ENSG00000131480	D
AP1B1	adaptor-related protein complex 1, beta 1 subunit	ENSG00000100280	U
AP1G1	adaptor-related protein complex 1, gamma 1 subunit	ENSG00000166747	U
AP1M1	adaptor-related protein complex 1, mu 1 subunit	ENSG00000072958	U
AP1M2	adaptor-related protein complex 1, mu 2 subunit	ENSG00000129354	U
AP1S1	adaptor-related protein complex 1, sigma 1 subunit	ENSG00000106367	U
AP1S2	adaptor-related protein complex 1, sigma 2 subunit	ENSG00000182287	U
AP3B1	adaptor-related protein complex 3, beta 1 subunit	ENSG00000132842	U
AP3B2	adaptor-related protein complex 3, beta 2 subunit	ENSG00000103723	D
AP3D1	adaptor-related protein complex 3, delta 1 subunit	ENSG00000065000	U
AP3S1	adaptor-related protein complex 3, sigma 1 subunit	ENSG00000177879	U
AP4E1	adaptor-related protein complex 4, epsilon 1 subunit	ENSG00000081014	U
AP4S1	adaptor-related protein complex 4, sigma 1 subunit	ENSG00000100478	D
APBA1	amyloid beta (A4) precursor protein-binding, family A, member 1	ENSG00000107282	D
APBA2	amyloid beta (A4) precursor protein-binding, family A, member 2	ENSG00000034053	D
APBB1	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)	ENSG00000166313	D
APBB3	amyloid beta (A4) precursor protein-binding, family B, member 3	ENSG00000113108	U
APC	adenomatous polyposis coli	ENSG00000134982	D
APC2	adenomatosis polyposis coli 2	ENSG00000115266	D
APCDD1	adenomatosis polyposis coli down-regulated 1	ENSG00000154856	U
APCDD1L	adenomatosis polyposis coli down-regulated 1-like	ENSG00000198768	D
APCS	amyloid P component, serum	ENSG00000132703	D
APEH	N-acylaminoacyl-peptide hydrolase	ENSG00000164062	U

APEX1	APEX nuclease (multifunctional DNA repair enzyme) 1	ENSG00000100823	U
APEX2	APEX nuclease (apurinic/apyrimidinic endonuclease) 2	ENSG00000169188	U
APH1A	anterior pharynx defective 1 homolog A (C. elegans)	ENSG00000117362	U
API5	apoptosis inhibitor 5	ENSG00000166181	U
APLF	aprataxin and PNKP like factor	ENSG00000169621	D
APLP1	amyloid beta (A4) precursor-like protein 1	ENSG00000105290	D
APLP2	amyloid beta (A4) precursor-like protein 2	ENSG00000084234	U
APOA1BP	apolipoprotein A-I binding protein	ENSG00000163382	U
APOA5	apolipoprotein A-V	ENSG00000110243	D
APOB	apolipoprotein B (including Ag(x) antigen)	ENSG00000084674	D
APOBEC3A	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A	ENSG00000128383	D
APOBEC3D	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3D	ENSG00000243811	D
APOBEC3H	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3H	ENSG00000100298	D
APOC1	apolipoprotein C-I	ENSG00000130208	U
APOC2	apolipoprotein C-II	ENSG00000234906	D
APOC3	apolipoprotein C-III	ENSG00000110245	D
APOF	apolipoprotein F	ENSG00000175336	D
APOL5	apolipoprotein L, 5	ENSG00000128313	D
APOLD1	apolipoprotein L domain containing 1	ENSG00000178878	U
APOM	apolipoprotein M	ENSG00000204444	D
APOO	apolipoprotein O	ENSG00000184831	U
APP	amyloid beta (A4) precursor protein	ENSG00000142192	U
APPL2	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2	ENSG00000136044	U
APRT	adenine phosphoribosyltransferase	ENSG00000198931	U
AQP12A	aquaporin 12A	ENSG00000184945	D
AQP2	aquaporin 2 (collecting duct)	ENSG00000167580	D
AQP6	aquaporin 6, kidney specific	ENSG00000086159	D
AQP8	aquaporin 8	ENSG00000103375	D
AQPEP	laeverin	ENSG00000172901	U

AR	androgen receptor	ENSG00000169083	D
ARAF	v-raf murine sarcoma 3611 viral oncogene homolog	ENSG00000078061	U
ARAP2	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	ENSG00000047365	D
ARC	activity-regulated cytoskeleton-associated protein	ENSG00000198576	D
AREG	amphiregulin	ENSG00000109321	D
ARF1	ADP-ribosylation factor 1	ENSG00000143761	U
ARF3	ADP-ribosylation factor 3	ENSG00000134287	U
ARF5	ADP-ribosylation factor 5	ENSG00000004059	U
ARF6	ADP-ribosylation factor 6	ENSG00000165527	D
ARFGAP1	ADP-ribosylation factor GTPase activating protein 1	ENSG00000101199	U
ARFGAP2	ADP-ribosylation factor GTPase activating protein 2	ENSG00000149182	U
ARFGAP3	ADP-ribosylation factor GTPase activating protein 3	ENSG00000242247	U
	ADP-ribosylation factor guanine nucleotide-exchange factor 1 (brefeldin		
ARFGEF1	A-inhibited)	ENSG00000066777	U
ARFIP2	ADP-ribosylation factor interacting protein 2	ENSG00000132254	D
ARG1	arginase, liver	ENSG00000118520	D
ARG2	arginase, type II	ENSG00000081181	D
ARHGAP11A	Rho GTPase activating protein 11A	ENSG00000198826	D
ARHGAP17	Rho GTPase activating protein 17	ENSG00000140750	U
ARHGAP20	Rho GTPase activating protein 20	ENSG00000137727	D
ARHGAP21	Rho GTPase activating protein 21	ENSG00000107863	U
ARHGAP22	Rho GTPase activating protein 22	ENSG00000128805	D
ARHGAP27	Rho GTPase activating protein 27	ENSG00000159314	U
ARHGAP29	Rho GTPase activating protein 29	ENSG00000137962	D
ARHGAP36	Rho GTPase activating protein 36	ENSG00000147256	D
ARHGAP4	Rho GTPase activating protein 4	ENSG00000089820	U
ARHGEF10L	Rho guanine nucleotide exchange factor (GEF) 10-like	ENSG00000074964	D
ARHGEF17	Rho guanine nucleotide exchange factor (GEF) 17	ENSG00000110237	U
ARHGEF18	Rho/Rac guanine nucleotide exchange factor (GEF) 18	ENSG00000104880	U
ARHGEF25	Rho guanine nucleotide exchange factor (GEF) 25	ENSG00000240771	D

ARHGEF26	Rho guanine nucleotide exchange factor (GEF) 26	ENSG00000114790	D
ARHGEF3	Rho guanine nucleotide exchange factor (GEF) 3	ENSG00000163947	U
ARHGEF38	Rho guanine nucleotide exchange factor (GEF) 38	ENSG00000236699	D
ARHGEF39	Rho guanine nucleotide exchange factor (GEF) 39	ENSG00000137135	D
ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	ENSG00000129675	U
ARID1B	AT rich interactive domain 1B (SWI1-like)	ENSG00000049618	D
ARIH2	ariadne homolog 2 (Drosophila)	ENSG00000177479	U
ARL1	ADP-ribosylation factor-like 1	ENSG00000120805	U
ARL10	ADP-ribosylation factor-like 10	ENSG00000175414	D
ARL11	ADP-ribosylation factor-like 11	ENSG00000152213	D
ARL13B	ADP-ribosylation factor-like 13B	ENSG00000169379	D
ARL14	ADP-ribosylation factor-like 14	ENSG00000179674	D
ARL15	ADP-ribosylation factor-like 15	ENSG00000185305	D
ARL16	ADP-ribosylation factor-like 16	ENSG00000214087	U
ARL2	ADP-ribosylation factor-like 2	ENSG00000213465	U
ARL2BP	ADP-ribosylation factor-like 2 binding protein	ENSG00000102931	U
ARL5A	ADP-ribosylation factor-like 5A	ENSG00000162980	U
ARL6	ADP-ribosylation factor-like 6	ENSG00000113966	D
ARL6IP6	ADP-ribosylation-like factor 6 interacting protein 6	ENSG00000177917	U
ARMC1	armadillo repeat containing 1	ENSG00000104442	U
ARMC12	armadillo repeat containing 12	ENSG00000157343	D
ARMC2	armadillo repeat containing 2	ENSG00000118690	D
ARMC4	armadillo repeat containing 4	ENSG00000169126	D
ARMC9	armadillo repeat containing 9	ENSG00000135931	D
ARMCX2	armadillo repeat containing, X-linked 2	ENSG00000184867	U
ARPC2	actin related protein 2/3 complex, subunit 2, 34kDa	ENSG00000163466	U
ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	ENSG00000241553	U
ARPP19	cAMP-regulated phosphoprotein, 19kDa	ENSG00000128989	U
ARPP21	cAMP-regulated phosphoprotein, 21kDa	ENSG00000172995	D
ARR3	arrestin 3, retinal (X-arrestin)	ENSG00000120500	D

ARRB1	arrestin, beta 1	ENSG00000137486	U
ARRB2	arrestin, beta 2	ENSG00000141480	D
ARRDC1	arrestin domain containing 1	ENSG00000197070	U
ARRDC3	arrestin domain containing 3	ENSG00000113369	U
ARSA	arylsulfatase A	ENSG00000100299	U
ARSE	arylsulfatase E (chondrodysplasia punctata 1)	ENSG00000157399	D
ARSF	arylsulfatase F	ENSG00000062096	D
ARSJ	arylsulfatase family, member J	ENSG00000180801	D
ARSK	arylsulfatase family, member K	ENSG00000164291	D
ART1	ADP-ribosyltransferase 1	ENSG00000129744	D
ART3	ADP-ribosyltransferase 3	ENSG00000156219	D
ARVP6125	uncharacterized LOC442092	NA	D
AS3MT	arsenic (+3 oxidation state) methyltransferase	ENSG00000214435	D
ASAP1	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1	ENSG00000153317	U
ASAP2	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2	ENSG00000151693	U
ASAP3	ArfGAP with SH3 domain, ankyrin repeat and PH domain 3	ENSG00000088280	U
ASB11	ankyrin repeat and SOCS box containing 11	ENSG00000165192	D
ASB12	ankyrin repeat and SOCS box containing 12	ENSG00000198881	D
ASB14	ankyrin repeat and SOCS box containing 14	ENSG00000239388	D
ASB17	ankyrin repeat and SOCS box containing 17	ENSG00000154007	D
ASB4	ankyrin repeat and SOCS box containing 4	ENSG00000005981	D
ASB5	ankyrin repeat and SOCS box containing 5	ENSG00000164122	D
ASCC2	activating signal cointegrator 1 complex subunit 2	ENSG00000100325	U
ASCL1	achaete-scute complex homolog 1 (Drosophila)	ENSG00000139352	D
ASCL2	achaete-scute complex homolog 2 (Drosophila)	ENSG00000183734	U
ASCL3	achaete-scute complex homolog 3 (Drosophila)	ENSG00000176009	D
ASGR2	asialoglycoprotein receptor 2	ENSG00000161944	D
ASH2L	ash2 (absent, small, or homeotic)-like (Drosophila)	ENSG00000129691	U
ASIC1	acid-sensing (proton-gated) ion channel 1	ENSG00000110881	D
ASIC2	acid-sensing (proton-gated) ion channel 2	ENSG00000108684	D

ASIC3	acid-sensing (proton-gated) ion channel 3	ENSG00000213199	D
ASIC5	acid-sensing (proton-gated) ion channel family member 5	ENSG00000256394	D
ASIP	agouti signaling protein	ENSG00000101440	D
ASL	argininosuccinate lyase	ENSG00000126522	D
ASMT	acetylserotonin O-methyltransferase	ENSG00000196433	D
ASNSD1	asparagine synthetase domain containing 1	ENSG00000138381	U
ASPDH	aspartate dehydrogenase domain containing	ENSG00000204653	D
ASPH	aspartate beta-hydroxylase	ENSG00000198363	D
ASPHD1	aspartate beta-hydroxylase domain containing 1	ENSG00000174939	D
ASPN	asporin	ENSG00000106819	D
ASPSCR1	alveolar soft part sarcoma chromosome region, candidate 1	ENSG00000169696	U
ASRGL1	asparaginase like 1	ENSG00000162174	D
ASTL	astacin-like metallo-endopeptidase (M12 family)	ENSG00000188886	D
ASTN1	astrotactin 1	ENSG00000152092	D
ASTN2	astrotactin 2	ENSG00000148219	D
ASXL2	additional sex combs like 2 (Drosophila)	ENSG00000143970	U
ASZ1	ankyrin repeat, SAM and basic leucine zipper domain containing 1	ENSG00000154438	D
ATAD1	ATPase family, AAA domain containing 1	ENSG00000138138	U
ATAD3A	ATPase family, AAA domain containing 3A	ENSG00000197785	U
ATAD5	ATPase family, AAA domain containing 5	ENSG00000176208	D
ATCAY	ataxia, cerebellar, Cayman type	ENSG00000167654	D
ATE1	arginyltransferase 1	ENSG00000107669	D
ATF3	activating transcription factor 3	ENSG00000162772	U
ATF4	activating transcription factor 4 (tax-responsive enhancer element B67)	ENSG00000128272	U
ATF5	activating transcription factor 5	ENSG00000169136	U
ATF6	activating transcription factor 6	ENSG00000118217	U
ATF7	activating transcription factor 7	ENSG00000170653	D
ATG14	autophagy related 14	ENSG00000126775	U
ATG2A	autophagy related 2A	ENSG00000110046	U
ATG3	autophagy related 3	ENSG00000144848	U

ATG4B	autophagy related 4B, cysteine peptidase	ENSG00000168397	D
ATG4C	autophagy related 4C, cysteine peptidase	ENSG00000125703	U
ATG7	autophagy related 7	ENSG00000197548	U
ATG9A	autophagy related 9A	ENSG00000198925	U
ATG9B	autophagy related 9B	NA	U
ATL1	atlastin GTPase 1	ENSG00000198513	D
ATL3	atlastin GTPase 3	ENSG00000184743	U
ATN1	atrophin 1	ENSG00000111676	U
ATOH1	atonal homolog 1 (Drosophila)	ENSG00000172238	D
ATOH7	atonal homolog 7 (Drosophila)	ENSG00000179774	D
ATP12A	ATPase, H ⁺ /K ⁺ transporting, nongastric, alpha polypeptide	ENSG00000075673	D
ATP13A1	ATPase type 13A1	ENSG00000105726	U
ATP13A4	ATPase type 13A4	ENSG00000127249	D
ATP13A5	ATPase type 13A5	ENSG00000187527	D
ATP1A3	ATPase, Na ⁺ /K ⁺ transporting, alpha 3 polypeptide	ENSG00000105409	D
ATP1A4	ATPase, Na ⁺ /K ⁺ transporting, alpha 4 polypeptide	ENSG00000132681	D
ATP1B1	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide	ENSG00000143153	U
ATP1B2	ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide	ENSG00000129244	D
ATP1B3	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	ENSG00000069849	U
ATP2A2	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	ENSG00000174437	U
ATP2A3	ATPase, Ca ⁺⁺ transporting, ubiquitous	ENSG00000074370	D
ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane 1	ENSG00000070961	D
ATP2B3	ATPase, Ca ⁺⁺ transporting, plasma membrane 3	ENSG00000067842	D
ATP2B4	ATPase, Ca ⁺⁺ transporting, plasma membrane 4	ENSG00000058668	U
ATP4A	ATPase, H ⁺ /K ⁺ exchanging, alpha polypeptide	ENSG00000105675	D
ATP4B	ATPase, H ⁺ /K ⁺ exchanging, beta polypeptide	ENSG00000186009	D
ATP5D	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, delta subunit	ENSG00000099624	U
	ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit C1		
ATP5G1	(subunit 9)	ENSG00000159199	U

ATP5G2	ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit C2 (subunit 9)	ENSG00000135390	U
ATP5I	ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit E	ENSG00000169020	U
ATP5SL	ATP5S-like	ENSG00000105341	U
ATP6V0C	ATPase, H ⁺ transporting, lysosomal 16kDa, V0 subunit c	ENSG00000185883	U
ATP6V0D2	ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d2	ENSG00000147614	D
ATP6V1C2	ATPase, H ⁺ transporting, lysosomal 42kDa, V1 subunit C2	ENSG00000143882	U
ATP6V1D	ATPase, H ⁺ transporting, lysosomal 34kDa, V1 subunit D	ENSG00000100554	U
ATP6V1G3	ATPase, H ⁺ transporting, lysosomal 13kDa, V1 subunit G3	ENSG00000151418	D
ATP8B1	ATPase, aminophospholipid transporter, class I, type 8B, member 1	ENSG00000081923	D
ATP8B3	ATPase, aminophospholipid transporter, class I, type 8B, member 3	ENSG00000130270	D
ATP9A	ATPase, class II, type 9A	ENSG00000054793	D
ATPAF1	ATP synthase mitochondrial F1 complex assembly factor 1	ENSG00000123472	U
ATPIF1	ATPase inhibitory factor 1	ENSG00000130770	U
ATR	ataxia telangiectasia and Rad3 related	ENSG00000175054	D
ATRAID	all-trans retinoic acid-induced differentiation factor	ENSG00000138085	U
ATRNL1	attractin-like 1	ENSG00000107518	D
ATRX	alpha thalassemia/mental retardation syndrome X-linked	ENSG00000085224	D
ATXN2L	ataxin 2-like	ENSG00000168488	D
AUH	AU RNA binding protein/enoyl-CoA hydratase	ENSG00000148090	U
AUP1	ancient ubiquitous protein 1	ENSG00000115307	U
AURKA	aurora kinase A	ENSG00000087586	U
AURKAIP1	aurora kinase A interacting protein 1	ENSG00000175756	U
AURKC	aurora kinase C	ENSG00000105146	D
AVPI1	arginine vasopressin-induced 1	ENSG00000119986	U
AVPR2	arginine vasopressin receptor 2	ENSG00000126895	D
AWAT1	acyl-CoA wax alcohol acyltransferase 1	ENSG00000204195	D
AXDND1	axonemal dynein light chain domain containing 1	ENSG00000162779	D
AXIN2	axin 2	ENSG00000168646	U
AXL	AXL receptor tyrosine kinase	ENSG00000167601	U

AZGP1	alpha-2-glycoprotein 1, zinc-binding	ENSG00000160862	D
AZIN1	antizyme inhibitor 1	ENSG00000155096	U
AZU1	azurocidin 1	ENSG00000172232	D
B3GALT2	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	ENSG00000162630	D
B3GALT4	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	ENSG00000235863	U
B3GALT5	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5	ENSG00000183778	D
B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	ENSG00000109956	D
B3GAT2	beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase S)	ENSG00000112309	D
B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1	ENSG00000174684	U
B3GNT3	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3	ENSG00000179913	U
B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	ENSG00000176383	D
B3GNT6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 (core 3 synthase)	ENSG00000198488	D
B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	ENSG00000156966	D
B4GALNT2	beta-1,4-N-acetyl-galactosaminyl transferase 2	ENSG00000167080	D
B4GALNT4	beta-1,4-N-acetyl-galactosaminyl transferase 4	ENSG00000182272	D
B4GALT1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	ENSG00000086062	U
B4GALT4	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4	ENSG00000121578	U
B4GALT5	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	ENSG00000158470	U
B4GALT6	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6	ENSG00000118276	D
B4GALT7	xylosylprotein beta 1,4-galactosyltransferase, polypeptide 7	ENSG00000027847	U
BAAT	bile acid CoA: amino acid N-acyltransferase (glycine N-choloyltransferase)	ENSG00000136881	D
BABAM1	BRISC and BRCA1 A complex member 1	ENSG00000105393	U
BACE1	beta-site APP-cleaving enzyme 1	ENSG00000265969	D
BACE2	beta-site APP-cleaving enzyme 2	ENSG00000182240	U
BACH2	BTB and CNC homology 1, basic leucine zipper transcription factor 2	ENSG00000112182	D
BAG3	BCL2-associated athanogene 3	ENSG00000151929	U
BAG6	BCL2-associated athanogene 6	ENSG00000204463	U
BAGE	B melanoma antigen	NA	D

BAGE4	B melanoma antigen family, member 4	NA	D
BAI1	brain-specific angiogenesis inhibitor 1	ENSG00000181790	D
BAI3	brain-specific angiogenesis inhibitor 3	ENSG00000135298	D
BAIAP2L1	BAI1-associated protein 2-like 1	ENSG00000006453	U
BAIAP3	BAI1-associated protein 3	ENSG00000007516	D
BAMBI	BMP and activin membrane-bound inhibitor homolog (Xenopus laevis)	ENSG00000095739	U
BANF2	barrier to autointegration factor 2	ENSG00000125888	D
BANP	BTG3 associated nuclear protein	ENSG00000172530	U
BARHL2	BarH-like homeobox 2	ENSG00000143032	D
BARX1	BARX homeobox 1	ENSG00000131668	D
BARX2	BARX homeobox 2	ENSG00000043039	D
BAZ2B	bromodomain adjacent to zinc finger domain, 2B	ENSG00000123636	U
BBS5	Bardet-Biedl syndrome 5	ENSG00000163093	D
BBS7	Bardet-Biedl syndrome 7	ENSG00000138686	D
BBX	bobby sox homolog (Drosophila)	ENSG00000114439	U
BCAN	brevican	ENSG00000132692	D
BCAR1	breast cancer anti-estrogen resistance 1	ENSG00000050820	U
BCAS1	breast carcinoma amplified sequence 1	ENSG00000064787	D
BCAT1	branched chain amino-acid transaminase 1, cytosolic	ENSG00000060982	U
BCAT2	branched chain amino-acid transaminase 2, mitochondrial	ENSG00000105552	U
BCDIN3D	BCDIN3 domain containing	ENSG00000186666	U
BCHE	butyrylcholinesterase	ENSG00000114200	D
BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide	ENSG00000248098	U
BCKDK	branched chain ketoacid dehydrogenase kinase	ENSG00000103507	U
BCL11B	B-cell CLL/lymphoma 11B (zinc finger protein)	ENSG00000127152	D
BCL2A1	BCL2-related protein A1	ENSG00000140379	D
BCL2L1	BCL2-like 1	ENSG00000171552	U
BCL2L10	BCL2-like 10 (apoptosis facilitator)	ENSG00000137875	D
BCL2L11	BCL2-like 11 (apoptosis facilitator)	ENSG00000153094	D
BCL2L13	BCL2-like 13 (apoptosis facilitator)	ENSG00000099968	U

BCL2L14	BCL2-like 14 (apoptosis facilitator)	ENSG00000121380	D
BCL2L2	BCL2-like 2	ENSG00000129473	U
BCL9L	B-cell CLL/lymphoma 9-like	ENSG00000186174	U
BCLAF1	BCL2-associated transcription factor 1	ENSG00000029363	U
BCMO1	beta-carotene 15,15'-monooxygenase 1	ENSG00000135697	D
BCORL1	BCL6 corepressor-like 1	ENSG00000085185	U
BCORP1	BCL6 corepressor pseudogene 1	NA	D
BCRP2	breakpoint cluster region pseudogene 2	NA	D
BDH1	3-hydroxybutyrate dehydrogenase, type 1	ENSG00000161267	D
BDKRB1	bradykinin receptor B1	ENSG00000100739	D
BECN1	beclin 1, autophagy related	ENSG00000126581	U
BEND2	BEN domain containing 2	ENSG00000177324	D
BEND4	BEN domain containing 4	ENSG00000188848	D
BEND5	BEN domain containing 5	ENSG00000162373	D
BEST2	bestrophin 2	ENSG00000039987	D
BET1	blocked early in transport 1 homolog (<i>S. cerevisiae</i>)	ENSG00000105829	U
BFAR	bifunctional apoptosis regulator	ENSG00000103429	U
BFSP1	beaded filament structural protein 1, filensin	ENSG00000125864	D
BFSP2	beaded filament structural protein 2, phakinin	ENSG00000170819	D
BHLHA15	basic helix-loop-helix family, member a15	ENSG00000180535	D
BHLHE22	basic helix-loop-helix family, member e22	ENSG00000180828	D
BHLHE23	basic helix-loop-helix family, member e23	ENSG00000125533	D
BICD2	bicaudal D homolog 2 (<i>Drosophila</i>)	ENSG00000185963	U
BIK	BCL2-interacting killer (apoptosis-inducing)	ENSG00000100290	D
BIN1	bridging integrator 1	ENSG00000136717	U
BIRC8	baculoviral IAP repeat containing 8	ENSG00000163098	D
BLCAP	bladder cancer associated protein	ENSG00000166619	U
BLID	BH3-like motif containing, cell death inducer	ENSG00000259571	D
BLMH	bleomycin hydrolase	ENSG00000108578	U
BLOC1S1	biogenesis of lysosomal organelles complex-1, subunit 1	ENSG00000258311	U

BLOC1S4	biogenesis of lysosomal organelles complex-1, subunit 4, cappuccino	ENSG00000186222	U
BLVRA	biliverdin reductase A	ENSG00000106605	U
BLVRB	biliverdin reductase B (flavin reductase (NADPH))	ENSG00000090013	U
BMI1	BMI1 polycomb ring finger oncogene	ENSG00000168283	U
BMP1	bone morphogenetic protein 1	ENSG00000168487	U
BMP10	bone morphogenetic protein 10	ENSG00000163217	D
BMP15	bone morphogenetic protein 15	ENSG00000130385	D
BMP3	bone morphogenetic protein 3	ENSG00000152785	D
BMP6	bone morphogenetic protein 6	ENSG00000153162	U
BMP7	bone morphogenetic protein 7	ENSG00000101144	U
BMP8A	bone morphogenetic protein 8a	ENSG00000183682	D
BMP8B	bone morphogenetic protein 8b	ENSG00000116985	D
BMPER	BMP binding endothelial regulator	ENSG00000164619	D
BMPR1B	bone morphogenetic protein receptor, type IB	ENSG00000138696	D
BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	ENSG00000204217	U
BMS1	BMS1 homolog, ribosome assembly protein (yeast)	ENSG00000165733	U
BNC1	basonuclin 1	ENSG00000169594	D
BNIP2	BCL2/adenovirus E1B 19kDa interacting protein 2	ENSG00000140299	U
BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	ENSG00000176171	U
BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	ENSG00000104765	U
BOD1	biorientation of chromosomes in cell division 1	ENSG00000145919	U
BOLA3	bolA homolog 3 (E. coli)	ENSG00000163170	U
BOLL	bol, boule-like (Drosophila)	ENSG00000152430	D
BOP1	block of proliferation 1	ENSG00000170727	U
BPGM	2,3-bisphosphoglycerate mutase	ENSG00000172331	U
BPI	bactericidal/permeability-increasing protein	ENSG00000101425	D
BPIFA1	BPI fold containing family A, member 1	ENSG00000198183	D
BPIFA3	BPI fold containing family A, member 3	ENSG00000131059	D
BPIFB2	BPI fold containing family B, member 2	ENSG00000078898	D
BPIFB3	BPI fold containing family B, member 3	ENSG00000186190	D

BPIFB4	BPI fold containing family B, member 4	ENSG00000186191	D
BPIFB6	BPI fold containing family B, member 6	ENSG00000167104	D
BPIFC	BPI fold containing family C	ENSG00000184459	D
BRAP	BRCA1 associated protein	ENSG00000089234	D
BRAT1	BRCA1-associated ATM activator 1	ENSG00000106009	U
BRCA2	breast cancer 2, early onset	ENSG00000139618	D
BRD3	bromodomain containing 3	ENSG00000169925	U
BRD7	bromodomain containing 7	ENSG00000166164	U
BRDT	bromodomain, testis-specific	ENSG00000137948	D
BRIP1	BRCA1 interacting protein C-terminal helicase 1	ENSG00000136492	D
BRIX1	BRX1, biogenesis of ribosomes, homolog (S. cerevisiae)	ENSG00000113460	U
BRK1	BRICK1, SCAR/WAVE actin-nucleating complex subunit	ENSG00000254999	U
BRPF3	bromodomain and PHD finger containing, 3	ENSG00000096070	U
BRS3	bombesin-like receptor 3	ENSG00000102239	D
BSCL2	Berardinelli-Seip congenital lipodystrophy 2 (seipin)	ENSG00000168000	U
BSDC1	BSD domain containing 1	ENSG00000160058	U
BSG	basigin (Ok blood group)	ENSG00000172270	U
BSN	bassoon (presynaptic cytomatrix protein)	ENSG00000164061	D
BSND	Bartter syndrome, infantile, with sensorineural deafness (Barttin)	ENSG00000162399	D
BST2	bone marrow stromal cell antigen 2	ENSG00000130303	U
BTBD10	BTB (POZ) domain containing 10	ENSG00000148925	U
BTBD11	BTB (POZ) domain containing 11	ENSG00000151136	D
BTBD8	BTB (POZ) domain containing 8	ENSG00000189195	D
BTBD9	BTB (POZ) domain containing 9	ENSG00000183826	D
BTC	betacellulin	ENSG00000174808	D
BTF3	basic transcription factor 3	ENSG00000145741	U
BTG2	BTG family, member 2	ENSG00000159388	U
BTG3	BTG family, member 3	ENSG00000154640	U
BTG4	B-cell translocation gene 4	ENSG00000137707	D
BTN1A1	butyrophilin, subfamily 1, member A1	ENSG00000124557	D

BTN2A1	butyrophilin, subfamily 2, member A1	ENSG00000112763	U
BTN2A2	butyrophilin, subfamily 2, member A2	ENSG00000124508	D
BTNL2	butyrophilin-like 2 (MHC class II associated)	ENSG00000204290	D
BTNL3	butyrophilin-like 3	ENSG00000168903	D
BUB3	budding uninhibited by benzimidazoles 3 homolog (yeast)	ENSG00000154473	U
BVES	blood vessel epicardial substance	ENSG00000112276	D
BZRAP1	benzodiazapine receptor (peripheral) associated protein 1	ENSG00000005379	D
BZW1	basic leucine zipper and W2 domains 1	ENSG00000082153	D
C10orf107	chromosome 10 open reading frame 107	ENSG00000183346	D
C10orf111	chromosome 10 open reading frame 111	ENSG00000176236	D
C10orf32	chromosome 10 open reading frame 32	ENSG00000166275	U
C10orf57	chromosome 10 open reading frame 57	ENSG00000133678	U
C10orf62	chromosome 10 open reading frame 62	ENSG00000203942	D
C10orf76	chromosome 10 open reading frame 76	ENSG00000120029	U
C10orf82	chromosome 10 open reading frame 82	ENSG00000165863	D
C10orf91	chromosome 10 open reading frame 91	ENSG00000180066	D
C11orf1	chromosome 11 open reading frame 1	ENSG00000137720	D
C11orf16	chromosome 11 open reading frame 16	ENSG00000176029	D
C11orf40	chromosome 11 open reading frame 40	ENSG00000171987	D
C11orf45	chromosome 11 open reading frame 45	ENSG00000174370	D
C11orf48	chromosome 11 open reading frame 48	ENSG00000162194	U
C11orf65	chromosome 11 open reading frame 65	ENSG00000166323	D
C11orf67	chromosome 11 open reading frame 67	ENSG00000087884	U
C11orf68	chromosome 11 open reading frame 68	ENSG00000175573	U
C11orf73	chromosome 11 open reading frame 73	ENSG00000149196	U
C11orf75	chromosome 11 open reading frame 75	ENSG00000166002	U
C11orf88	chromosome 11 open reading frame 88	ENSG00000183644	D
C11orf92	chromosome 11 open reading frame 92	NA	D
C12orf10	chromosome 12 open reading frame 10	ENSG00000139637	U
C12orf36	chromosome 12 open reading frame 36	NA	D

C12orf39	chromosome 12 open reading frame 39	ENSG00000134548	D
C12orf40	chromosome 12 open reading frame 40	ENSG00000180116	D
C12orf44	chromosome 12 open reading frame 44	ENSG00000123395	U
C12orf54	chromosome 12 open reading frame 54	ENSG00000177627	D
C12orf60	chromosome 12 open reading frame 60	ENSG00000182993	D
C12orf63	chromosome 12 open reading frame 63	ENSG00000188596	D
C12orf69	chromosome 12 open reading frame 69	ENSG00000179256	D
C12orf75	chromosome 12 open reading frame 75	ENSG00000235162	U
C12orf76	chromosome 12 open reading frame 76	ENSG00000174456	D
C14orf102	chromosome 14 open reading frame 102	ENSG00000119720	U
C14orf105	chromosome 14 open reading frame 105	ENSG00000100557	D
C14orf159	chromosome 14 open reading frame 159	ENSG00000133943	U
C14orf162	chromosome 14 open reading frame 162	NA	D
C14orf166	chromosome 14 open reading frame 166	ENSG00000087302	U
C14orf178	chromosome 14 open reading frame 178	ENSG00000197734	D
C14orf183	chromosome 14 open reading frame 183	ENSG00000168260	D
C14orf2	chromosome 14 open reading frame 2	ENSG00000156411	U
C14orf39	chromosome 14 open reading frame 39	ENSG00000179008	D
C14orf43	chromosome 14 open reading frame 43	ENSG00000156030	U
C15orf26	chromosome 15 open reading frame 26	ENSG00000156206	D
C15orf32	chromosome 15 open reading frame 32	ENSG00000183643	D
C15orf39	chromosome 15 open reading frame 39	ENSG00000167173	U
C15orf43	chromosome 15 open reading frame 43	ENSG00000167014	D
C15orf48	chromosome 15 open reading frame 48	ENSG00000166920	U
C15orf55	chromosome 15 open reading frame 55	ENSG00000184507	D
C15orf56	chromosome 15 open reading frame 56	ENSG00000176753	D
C15orf57	chromosome 15 open reading frame 57	ENSG00000128891	U
C15orf63	chromosome 15 open reading frame 63	ENSG00000242028	D
C16orf13	chromosome 16 open reading frame 13	ENSG00000130731	U
C16orf3	chromosome 16 open reading frame 3	ENSG00000221819	D

C16orf46	chromosome 16 open reading frame 46	ENSG00000166455	D
C16orf48	chromosome 16 open reading frame 48	ENSG00000124074	U
C16orf54	chromosome 16 open reading frame 54	ENSG00000185905	D
C16orf71	chromosome 16 open reading frame 71	ENSG00000166246	D
C16orf72	chromosome 16 open reading frame 72	ENSG00000182831	U
C16orf74	chromosome 16 open reading frame 74	ENSG00000154102	U
C16orf78	chromosome 16 open reading frame 78	ENSG00000166152	D
C16orf80	chromosome 16 open reading frame 80	ENSG00000070761	U
C16orf86	chromosome 16 open reading frame 86	ENSG00000159761	D
C16orf89	chromosome 16 open reading frame 89	ENSG00000261933,I	D
C17orf47	chromosome 17 open reading frame 47	ENSG00000181013	D
C17orf49	chromosome 17 open reading frame 49	ENSG00000161939,I	U
C17orf50	chromosome 17 open reading frame 50	ENSG00000154768	D
C17orf59	chromosome 17 open reading frame 59	ENSG00000196544	U
C17orf61	chromosome 17 open reading frame 61	ENSG00000205544	U
C17orf64	chromosome 17 open reading frame 64	ENSG00000141371	D
C17orf66	chromosome 17 open reading frame 66	ENSG00000172653	D
C17orf69	chromosome 17 open reading frame 69	NA	D
C17orf70	chromosome 17 open reading frame 70	ENSG00000185504	U
C17orf77	chromosome 17 open reading frame 77	ENSG00000182352	D
C17orf78	chromosome 17 open reading frame 78	ENSG00000167230	D
C17orf79	chromosome 17 open reading frame 79	ENSG00000172301	U
C18orf1	chromosome 18 open reading frame 1	ENSG00000168675	D
C18orf26	chromosome 18 open reading frame 26	ENSG00000178690	D
C18orf34	chromosome 18 open reading frame 34	ENSG00000166960	D
C18orf8	chromosome 18 open reading frame 8	ENSG00000141452	U
C19orf21	chromosome 19 open reading frame 21	ENSG00000099812	D
C19orf42	chromosome 19 open reading frame 42	ENSG00000214046	U
C19orf53	chromosome 19 open reading frame 53	ENSG00000104979	U
C19orf57	chromosome 19 open reading frame 57	ENSG00000132016	D

C19orf6	chromosome 19 open reading frame 6	ENSG00000182087	U
C19orf60	chromosome 19 open reading frame 60	ENSG00000006015	D
C19orf70	chromosome 19 open reading frame 70	ENSG00000174917	U
C19orf73	chromosome 19 open reading frame 73	ENSG00000221916	D
C1D	C1D nuclear receptor corepressor	ENSG00000197223	D
C1orf100	chromosome 1 open reading frame 100	ENSG00000173728	D
C1orf109	chromosome 1 open reading frame 109	ENSG00000116922	D
C1orf110	chromosome 1 open reading frame 110	ENSG00000185860	D
C1orf111	chromosome 1 open reading frame 111	ENSG00000171722	D
C1orf114	chromosome 1 open reading frame 114	ENSG00000117477	D
C1orf116	chromosome 1 open reading frame 116	ENSG00000182795	D
C1orf123	chromosome 1 open reading frame 123	ENSG00000162384	U
C1orf126	chromosome 1 open reading frame 126	NA	D
C1orf127	chromosome 1 open reading frame 127	ENSG00000175262	D
C1orf129	chromosome 1 open reading frame 129	ENSG00000117501	D
C1orf131	chromosome 1 open reading frame 131	ENSG00000143633	U
C1orf158	chromosome 1 open reading frame 158	ENSG00000157330	D
C1orf162	chromosome 1 open reading frame 162	ENSG00000143110	U
C1orf173	chromosome 1 open reading frame 173	ENSG00000178965	D
C1orf174	chromosome 1 open reading frame 174	ENSG00000198912	U
C1orf177	chromosome 1 open reading frame 177	ENSG00000162398	D
C1orf198	chromosome 1 open reading frame 198	ENSG00000119280	U
C1orf228	chromosome 1 open reading frame 228	ENSG00000198520	D
C1orf229	chromosome 1 open reading frame 229	ENSG00000221953	D
C1orf31	chromosome 1 open reading frame 31	ENSG00000168275	D
C1orf43	chromosome 1 open reading frame 43	ENSG00000143612	U
C1orf50	chromosome 1 open reading frame 50	ENSG00000164008	U
C1orf51	chromosome 1 open reading frame 51	ENSG00000159208	D
C1orf52	chromosome 1 open reading frame 52	ENSG00000162642	U
C1orf54	chromosome 1 open reading frame 54	ENSG00000118292	U

C1orf63	chromosome 1 open reading frame 63	ENSG00000117616	U
C1orf64	chromosome 1 open reading frame 64	ENSG00000183888	D
C1orf65	chromosome 1 open reading frame 65	ENSG00000178395	D
C1orf87	chromosome 1 open reading frame 87	ENSG00000162598	D
C1QBP	complement component 1, q subcomponent binding protein	ENSG00000108561	U
C1QL1	complement component 1, q subcomponent-like 1	ENSG00000131094	D
C1QL3	complement component 1, q subcomponent-like 3	ENSG00000165985	D
C1QTNF2	C1q and tumor necrosis factor related protein 2	ENSG00000145861	D
C1QTNF3	C1q and tumor necrosis factor related protein 3	ENSG00000082196	D
C1QTNF5	C1q and tumor necrosis factor related protein 5	ENSG00000223953	U
C1QTNF6	C1q and tumor necrosis factor related protein 6	ENSG00000133466	U
C20orf112	chromosome 20 open reading frame 112	ENSG00000197183	D
C20orf132	chromosome 20 open reading frame 132	ENSG00000101353	D
C20orf141	chromosome 20 open reading frame 141	ENSG00000258713	D
C20orf144	chromosome 20 open reading frame 144	ENSG00000149609	D
C20orf152	chromosome 20 open reading frame 152	ENSG00000149646	D
C20orf160	chromosome 20 open reading frame 160	ENSG00000101331	U
C20orf166-A'	C20orf166 antisense RNA 1	NA	D
C20orf195	chromosome 20 open reading frame 195	ENSG00000125531	D
C20orf197	chromosome 20 open reading frame 197	ENSG00000176659	D
C20orf20	chromosome 20 open reading frame 20	ENSG00000101189	U
C20orf201	chromosome 20 open reading frame 201	ENSG00000171695	D
C20orf72	chromosome 20 open reading frame 72	ENSG00000125871	U
C20orf85	chromosome 20 open reading frame 85	ENSG00000124237	D
C20orf94	chromosome 20 open reading frame 94	ENSG00000149346	D
C20orf96	chromosome 20 open reading frame 96	ENSG00000196476	D
C21orf33	chromosome 21 open reading frame 33	ENSG00000160221	U
C21orf58	chromosome 21 open reading frame 58	ENSG00000160298	D
C21orf62	chromosome 21 open reading frame 62	ENSG00000205929	D
C21orf88	chromosome 21 open reading frame 88	NA	D

C22orf13	chromosome 22 open reading frame 13	ENSG00000138867	U
C22orf23	chromosome 22 open reading frame 23	ENSG00000128346	D
C22orf25	chromosome 22 open reading frame 25	ENSG00000183597	U
C22orf26	chromosome 22 open reading frame 26	ENSG00000182257	D
C22orf28	chromosome 22 open reading frame 28	ENSG00000100220	U
C22orf31	chromosome 22 open reading frame 31	ENSG00000100249	D
C22orf43	chromosome 22 open reading frame 43	ENSG00000189269	D
C2CD2	C2 calcium-dependent domain containing 2	ENSG00000157617	U
C2CD2L	C2CD2-like	ENSG00000172375	D
C2orf16	chromosome 2 open reading frame 16	ENSG00000221843	D
C2orf18	chromosome 2 open reading frame 18	ENSG00000213699	U
C2orf27A	chromosome 2 open reading frame 27A	ENSG00000197927	D
C2orf42	chromosome 2 open reading frame 42	ENSG00000115998	U
C2orf47	chromosome 2 open reading frame 47	ENSG00000162972	U
C2orf48	chromosome 2 open reading frame 48	ENSG00000163009	D
C2orf50	chromosome 2 open reading frame 50	ENSG00000150873	D
C2orf53	chromosome 2 open reading frame 53	ENSG00000186143	D
C2orf54	chromosome 2 open reading frame 54	ENSG00000172478	D
C2orf57	chromosome 2 open reading frame 57	ENSG00000177673	D
C2orf61	chromosome 2 open reading frame 61	ENSG00000239605	D
C2orf66	chromosome 2 open reading frame 66	ENSG00000187944	D
C2orf83	chromosome 2 open reading frame 83	ENSG00000042304	D
C2orf88	chromosome 2 open reading frame 88	ENSG00000187699	U
C3orf15	chromosome 3 open reading frame 15	ENSG00000183833	D
C3orf17	chromosome 3 open reading frame 17	ENSG00000163608	D
C3orf18	chromosome 3 open reading frame 18	ENSG00000088543	D
C3orf20	chromosome 3 open reading frame 20	ENSG00000131379	D
C3orf24	chromosome 3 open reading frame 24	ENSG00000163705	D
C3orf27	chromosome 3 open reading frame 27	ENSG00000198685	D
C3orf30	chromosome 3 open reading frame 30	ENSG00000163424	D

C3orf32	chromosome 3 open reading frame 32	ENSG00000125046	D
C3orf33	chromosome 3 open reading frame 33	ENSG00000174928	D
C3orf35	chromosome 3 open reading frame 35	ENSG00000198590	D
C3orf45	chromosome 3 open reading frame 45	ENSG00000179564	D
C3P1	complement component 3 precursor pseudogene	NA	D
C4orf17	chromosome 4 open reading frame 17	ENSG00000138813	D
C4orf19	chromosome 4 open reading frame 19	ENSG00000154274	U
C4orf21	chromosome 4 open reading frame 21	ENSG00000138658	D
C4orf22	chromosome 4 open reading frame 22	ENSG00000197826	D
C4orf34	chromosome 4 open reading frame 34	ENSG00000163683	U
C4orf6	chromosome 4 open reading frame 6	ENSG00000082929	D
C5orf34	chromosome 5 open reading frame 34	ENSG00000172244	D
C5orf38	chromosome 5 open reading frame 38	ENSG00000186493	D
C5orf42	chromosome 5 open reading frame 42	ENSG00000197603	D
C5orf45	chromosome 5 open reading frame 45	ENSG00000161010	D
C5orf51	chromosome 5 open reading frame 51	ENSG00000205765	U
C5orf56	chromosome 5 open reading frame 56	NA	D
C5orf64	chromosome 5 open reading frame 64	ENSG00000178722	D
C6orf10	chromosome 6 open reading frame 10	ENSG00000204296	D
C6orf118	chromosome 6 open reading frame 118	ENSG00000112539	D
C6orf130	chromosome 6 open reading frame 130	ENSG00000124596	U
C6orf136	chromosome 6 open reading frame 136	ENSG00000204564	U
C6orf165	chromosome 6 open reading frame 165	ENSG00000213204	D
C6orf195	chromosome 6 open reading frame 195	ENSG00000164385	D
C6orf223	chromosome 6 open reading frame 223	ENSG00000181577	D
C6orf225	chromosome 6 open reading frame 225	ENSG00000203778	D
C6orf58	chromosome 6 open reading frame 58	ENSG00000184530	D
C6orf62	chromosome 6 open reading frame 62	ENSG00000112308	U
C7	complement component 7	ENSG00000112936	U
C7orf23	chromosome 7 open reading frame 23	ENSG00000135185	U

C7orf26	chromosome 7 open reading frame 26	ENSG00000146576	U
C7orf31	chromosome 7 open reading frame 31	ENSG00000153790	D
C7orf33	chromosome 7 open reading frame 33	ENSG00000170279	D
C7orf34	chromosome 7 open reading frame 34	ENSG00000165131	D
C7orf45	chromosome 7 open reading frame 45	ENSG00000165120	D
C7orf49	chromosome 7 open reading frame 49	ENSG00000122783	U
C7orf50	chromosome 7 open reading frame 50	ENSG00000146540	U
C7orf53	chromosome 7 open reading frame 53	ENSG00000181016	D
C7orf60	chromosome 7 open reading frame 60	ENSG00000164603	D
C7orf62	chromosome 7 open reading frame 62	ENSG00000164645	D
C7orf63	chromosome 7 open reading frame 63	ENSG00000105792	D
C7orf69	chromosome 7 open reading frame 69	ENSG00000136275	D
C8B	complement component 8, beta polypeptide	ENSG00000021852	D
C8orf31	chromosome 8 open reading frame 31	ENSG00000177335	D
C8orf34	chromosome 8 open reading frame 34	ENSG00000165084	D
C8orf37	chromosome 8 open reading frame 37	ENSG00000156172	D
C8orf4	chromosome 8 open reading frame 4	ENSG00000176907	U
C8orf40	chromosome 8 open reading frame 40	ENSG00000176209	U
C8orf42	chromosome 8 open reading frame 42	ENSG00000180190	U
C8orf47	chromosome 8 open reading frame 47	ENSG00000177459	D
C8orf58	chromosome 8 open reading frame 58	ENSG00000241852	U
C8orf76	chromosome 8 open reading frame 76	ENSG00000189376	U
C9orf142	chromosome 9 open reading frame 142	ENSG00000148362	U
C9orf153	chromosome 9 open reading frame 153	ENSG00000187753	D
C9orf163	chromosome 9 open reading frame 163	ENSG00000196366	D
C9orf24	chromosome 9 open reading frame 24	ENSG00000164972	D
C9orf41	chromosome 9 open reading frame 41	ENSG00000156017	D
C9orf43	chromosome 9 open reading frame 43	ENSG00000157653	D
C9orf47	chromosome 9 open reading frame 47	ENSG00000186354	D
C9orf50	chromosome 9 open reading frame 50	ENSG00000179058	D

C9orf78	chromosome 9 open reading frame 78	ENSG00000136819	U
C9orf84	chromosome 9 open reading frame 84	ENSG00000165181	D
C9orf89	chromosome 9 open reading frame 89	ENSG00000165233	U
CA13	carbonic anhydrase XIII	ENSG00000185015	D
CA14	carbonic anhydrase XIV	ENSG00000118298	D
CA2	carbonic anhydrase II	ENSG00000104267	U
CA3	carbonic anhydrase III, muscle specific	ENSG00000164879	D
CA5A	carbonic anhydrase VA, mitochondrial	ENSG00000174990	D
CA6	carbonic anhydrase VI	ENSG00000131686	D
CA9	carbonic anhydrase IX	ENSG00000107159	D
CABLES1	Cdk5 and Abl enzyme substrate 1	ENSG00000134508	U
CABP1	calcium binding protein 1	ENSG00000157782	D
CABP2	calcium binding protein 2	ENSG00000167791	D
CABP5	calcium binding protein 5	ENSG00000105507	D
CABP7	calcium binding protein 7	ENSG00000100314	D
CABYR	calcium binding tyrosine-(Y)-phosphorylation regulated	ENSG00000154040	D
CACNA1B	calcium channel, voltage-dependent, N type, alpha 1B subunit	ENSG00000148408	D
CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit	ENSG00000006283	D
CACNA1I	calcium channel, voltage-dependent, T type, alpha 1I subunit	ENSG00000100346	D
CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	ENSG00000081248	D
CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	ENSG00000153956	D
CACNA2D4	calcium channel, voltage-dependent, alpha 2/delta subunit 4	ENSG00000151062	D
CACNB1	calcium channel, voltage-dependent, beta 1 subunit	ENSG00000067191	D
CACNB3	calcium channel, voltage-dependent, beta 3 subunit	ENSG00000167535	D
CACNB4	calcium channel, voltage-dependent, beta 4 subunit	ENSG00000182389	D
CACNG1	calcium channel, voltage-dependent, gamma subunit 1	ENSG00000108878	D
CACNG2	calcium channel, voltage-dependent, gamma subunit 2	ENSG00000166862	D
CACNG4	calcium channel, voltage-dependent, gamma subunit 4	ENSG00000075461	D
CACNG5	calcium channel, voltage-dependent, gamma subunit 5	ENSG00000075429	D
CACNG6	calcium channel, voltage-dependent, gamma subunit 6	ENSG00000130433	D

CACNG7	calcium channel, voltage-dependent, gamma subunit 7	ENSG00000105605	D
CADM1	cell adhesion molecule 1	ENSG00000182985	U
CADM4	cell adhesion molecule 4	ENSG00000105767	D
CADPS	Ca ⁺⁺ -dependent secretion activator	ENSG00000163618	D
CALB1	calbindin 1, 28kDa	ENSG00000104327	D
CALB2	calbindin 2	ENSG00000172137	D
CALCOCO1	calcium binding and coiled-coil domain 1	ENSG00000012822	U
CALCR	calcitonin receptor	ENSG00000004948	U
CALD1	caldesmon 1	ENSG00000122786	U
CALHM1	calcium homeostasis modulator 1	ENSG00000185933	D
CALHM2	calcium homeostasis modulator 2	ENSG00000138172	U
CALML3	calmodulin-like 3	ENSG00000178363	D
CALML5	calmodulin-like 5	ENSG00000178372	D
CALML6	calmodulin-like 6	ENSG00000169885	D
CALR3	calreticulin 3	ENSG00000141979	D
CALY	calcyon neuron-specific vesicular protein	ENSG00000130643	D
CAMK2A	calcium/calmodulin-dependent protein kinase II alpha	ENSG00000070808	D
CAMK2B	calcium/calmodulin-dependent protein kinase II beta	ENSG00000058404	D
CAMK2D	calcium/calmodulin-dependent protein kinase II delta	ENSG00000145349	D
CAMK2G	calcium/calmodulin-dependent protein kinase II gamma	ENSG00000148660	U
CAMK2N1	calcium/calmodulin-dependent protein kinase II inhibitor 1	ENSG00000162545	U
CAMK4	calcium/calmodulin-dependent protein kinase IV	ENSG00000152495	D
CAMKK1	calcium/calmodulin-dependent protein kinase kinase 1, alpha	ENSG00000004660	D
CAMKV	CaM kinase-like vesicle-associated	ENSG00000164076	D
CAMLG	calcium modulating ligand	ENSG00000164615	U
CAMSAP2	calmodulin regulated spectrin-associated protein family, member 2	ENSG00000118200	U
CANT1	calcium activated nucleotidase 1	ENSG00000171302	U
CANX	calnexin	ENSG00000127022	U
CAP2	CAP, adenylate cyclase-associated protein, 2 (yeast)	ENSG00000112186	U
CAPN9	calpain 9	ENSG00000135773	D

CAPNS1	calpain, small subunit 1	ENSG00000126247	U
CAPNS2	calpain, small subunit 2	ENSG00000256812	D
CAPS	calcyphosine	ENSG00000105519	U
CAPSL	calcyphosine-like	ENSG00000152611	D
CAPZB	capping protein (actin filament) muscle Z-line, beta	ENSG00000077549	U
CARD11	caspase recruitment domain family, member 11	ENSG00000198286	D
CARD14	caspase recruitment domain family, member 14	ENSG00000141527	D
CARD17	caspase recruitment domain family, member 17	ENSG00000255221	D
CARD18	caspase recruitment domain family, member 18	ENSG00000255501	D
CARKD	carbohydrate kinase domain containing	ENSG00000213995	U
CARTPT	CART prepropeptide	ENSG00000164326	D
CASC1	cancer susceptibility candidate 1	ENSG00000118307	D
CASC2	cancer susceptibility candidate 2 (non-protein coding)	NA	D
CASC3	cancer susceptibility candidate 3	ENSG00000108349	U
CASC5	cancer susceptibility candidate 5	ENSG00000137812	D
CASKIN1	CASK interacting protein 1	ENSG00000167971	D
CASP14	caspase 14, apoptosis-related cysteine peptidase	ENSG00000105141	D
CASP2	caspase 2, apoptosis-related cysteine peptidase	ENSG00000106144	U
CASP3	caspase 3, apoptosis-related cysteine peptidase	ENSG00000164305	U
CASP4	caspase 4, apoptosis-related cysteine peptidase	ENSG00000196954	U
CASP5	caspase 5, apoptosis-related cysteine peptidase	ENSG00000137757	D
CASP8	caspase 8, apoptosis-related cysteine peptidase	ENSG00000064012	D
CASQ2	calsequestrin 2 (cardiac muscle)	ENSG00000118729	D
CASS4	Cas scaffolding protein family member 4	ENSG00000087589	D
CAT	catalase	ENSG00000121691	U
CATSPER3	cation channel, sperm associated 3	ENSG00000152705	D
CATSPER4	cation channel, sperm associated 4	ENSG00000188782	D
CATSPERB	catsper channel auxiliary subunit beta	ENSG00000133962	D
CATSPERG	catsper channel auxiliary subunit gamma	ENSG00000099338	D
CAV1	caveolin 1, caveolae protein, 22kDa	ENSG00000105974	U

CAV2	caveolin 2	ENSG00000105971	U
CAV3	caveolin 3	ENSG00000182533	D
CBFB	core-binding factor, beta subunit	ENSG00000067955	U
CBLB	Cbl proto-oncogene, E3 ubiquitin protein ligase B	ENSG00000114423	U
CBLN2	cerebellin 2 precursor	ENSG00000141668	D
CBLN4	cerebellin 4 precursor	ENSG00000054803	D
CBWD5	COBW domain containing 5	ENSG00000147996	D
CBX4	chromobox homolog 4	ENSG00000141582	U
CC2D1B	coiled-coil and C2 domain containing 1B	ENSG00000154222	D
CCAR1	cell division cycle and apoptosis regulator 1	ENSG00000060339	U
CCBE1	collagen and calcium binding EGF domains 1	ENSG00000183287	D
CCDC108	coiled-coil domain containing 108	ENSG00000181378	D
CCDC109B	coiled-coil domain containing 109B	ENSG00000005059	U
CCDC11	coiled-coil domain containing 11	ENSG00000172361	D
CCDC112	coiled-coil domain containing 112	ENSG00000164221	D
CCDC115	coiled-coil domain containing 115	ENSG00000136710	U
CCDC116	coiled-coil domain containing 116	ENSG00000161180	D
CCDC117	coiled-coil domain containing 117	ENSG00000159873	U
CCDC12	coiled-coil domain containing 12	ENSG00000160799	U
CCDC120	coiled-coil domain containing 120	ENSG00000147144	U
CCDC122	coiled-coil domain containing 122	ENSG00000151773	D
CCDC127	coiled-coil domain containing 127	NA	U
CCDC13	coiled-coil domain containing 13	ENSG00000244607	D
CCDC130	coiled-coil domain containing 130	ENSG00000104957	U
CCDC132	coiled-coil domain containing 132	ENSG00000004766	D
CCDC135	coiled-coil domain containing 135	ENSG00000159625	D
CCDC138	coiled-coil domain containing 138	ENSG00000163006	D
CCDC14	coiled-coil domain containing 14	ENSG00000175455	U
CCDC140	coiled-coil domain containing 140	ENSG00000163081	D
CCDC142	coiled-coil domain containing 142	ENSG00000135637	D

CCDC144NL	coiled-coil domain containing 144 family, N-terminal like	ENSG00000205212	D
CCDC148	coiled-coil domain containing 148	ENSG00000153237	D
CCDC15	coiled-coil domain containing 15	ENSG00000149548	D
CCDC153	coiled-coil domain containing 153	ENSG00000248712	D
CCDC158	coiled-coil domain containing 158	ENSG00000163749	D
CCDC170	coiled-coil domain containing 170	ENSG00000120262	D
CCDC27	coiled-coil domain containing 27	ENSG00000162592	D
CCDC28A	coiled-coil domain containing 28A	ENSG00000024862	U
CCDC36	coiled-coil domain containing 36	ENSG00000173421	D
CCDC37	coiled-coil domain containing 37	ENSG00000163885	D
CCDC42	coiled-coil domain containing 42	ENSG00000161973	D
CCDC47	coiled-coil domain containing 47	ENSG00000108588	U
CCDC50	coiled-coil domain containing 50	ENSG00000152492	D
CCDC53	coiled-coil domain containing 53	ENSG00000120860	U
CCDC54	coiled-coil domain containing 54	ENSG00000138483	D
CCDC59	coiled-coil domain containing 59	ENSG00000133773	U
CCDC6	coiled-coil domain containing 6	ENSG00000108091	U
CCDC60	coiled-coil domain containing 60	ENSG00000183273	D
CCDC62	coiled-coil domain containing 62	ENSG00000130783	D
CCDC63	coiled-coil domain containing 63	ENSG00000173093	D
CCDC65	coiled-coil domain containing 65	ENSG00000139537	D
CCDC67	coiled-coil domain containing 67	ENSG00000165325	D
CCDC69	coiled-coil domain containing 69	ENSG00000198624	U
CCDC7	coiled-coil domain containing 7	ENSG00000216937	D
CCDC71	coiled-coil domain containing 71	ENSG00000177352	U
CCDC73	coiled-coil domain containing 73	ENSG00000186714	D
CCDC74B	coiled-coil domain containing 74B	ENSG00000152076	D
CCDC75	coiled-coil domain containing 75	ENSG00000152133	D
CCDC78	coiled-coil domain containing 78	ENSG00000162004	D
CCDC8	coiled-coil domain containing 8	ENSG00000169515	D

CCDC80	coiled-coil domain containing 80	ENSG00000091986	D
CCDC82	coiled-coil domain containing 82	ENSG00000149231	D
CCDC87	coiled-coil domain containing 87	ENSG00000182791	D
CCDC88A	coiled-coil domain containing 88A	ENSG00000115355	D
CCDC89	coiled-coil domain containing 89	ENSG00000179071	D
CCDC90A	coiled-coil domain containing 90A	ENSG00000050393	U
CCDC92	coiled-coil domain containing 92	ENSG00000119242	U
CCDC94	coiled-coil domain containing 94	ENSG00000105248	U
CCHCR1	coiled-coil alpha-helical rod protein 1	ENSG00000204536	D
CCIN	calicin	ENSG00000185972	D
CCK	cholecystokinin	ENSG00000187094	U
CCKAR	cholecystokinin A receptor	ENSG00000163394	D
CCKBR	cholecystokinin B receptor	ENSG00000110148	D
CCL1	chemokine (C-C motif) ligand 1	ENSG00000108702	D
CCL15	chemokine (C-C motif) ligand 15	ENSG00000161574	D
CCL18	chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)	ENSG00000006074	D
CCL19	chemokine (C-C motif) ligand 19	ENSG00000172724	D
CCL20	chemokine (C-C motif) ligand 20	ENSG00000115009	D
CCL22	chemokine (C-C motif) ligand 22	ENSG00000102962	D
CCL23	chemokine (C-C motif) ligand 23	ENSG00000167236	D
CCL24	chemokine (C-C motif) ligand 24	ENSG00000106178	D
CCL25	chemokine (C-C motif) ligand 25	ENSG00000131142	D
CCL26	chemokine (C-C motif) ligand 26	ENSG00000006606	D
CCNB3	cyclin B3	ENSG00000147082	D
CCND2	cyclin D2	ENSG00000118971	U
CCNDBP1	cyclin D-type binding-protein 1	ENSG00000166946	U
CCNG1	cyclin G1	ENSG00000113328	U
CCNJL	cyclin J-like	ENSG00000135083	D
CCNK	cyclin K	ENSG00000090061	U
CCNO	cyclin O	ENSG00000152669	D

CCNY	cyclin Y	ENSG00000108100	U
CCR3	chemokine (C-C motif) receptor 3	ENSG00000183625	D
CCR4	chemokine (C-C motif) receptor 4	ENSG00000183813	D
CCR6	chemokine (C-C motif) receptor 6	ENSG00000112486	D
CCR9	chemokine (C-C motif) receptor 9	ENSG00000173585	D
CCRL1	chemokine (C-C motif) receptor-like 1	ENSG00000129048	D
CCRL2	chemokine (C-C motif) receptor-like 2	ENSG00000121797	D
CCSAP	centriole, cilia and spindle-associated protein	ENSG00000154429	U
CCT2	chaperonin containing TCP1, subunit 2 (beta)	ENSG00000166226	U
CCT3	chaperonin containing TCP1, subunit 3 (gamma)	ENSG00000163468	U
CCT7	chaperonin containing TCP1, subunit 7 (eta)	ENSG00000135624	U
CD151	CD151 molecule (Raph blood group)	ENSG00000177697	U
CD160	CD160 molecule	ENSG00000117281	D
CD163	CD163 molecule	ENSG00000177575	U
CD164	CD164 molecule, sialomucin	ENSG00000135535	U
CD177	CD177 molecule	NA	D
CD180	CD180 molecule	ENSG00000134061	D
CD19	CD19 molecule	ENSG00000177455	D
CD1A	CD1a molecule	ENSG00000158477	D
CD1C	CD1c molecule	ENSG00000158481	D
CD1D	CD1d molecule	ENSG00000158473	D
CD1E	CD1e molecule	ENSG00000158488	D
CD200	CD200 molecule	ENSG00000091972	U
CD200R1	CD200 receptor 1	ENSG00000163606	D
CD207	CD207 molecule, langerin	ENSG00000116031	D
CD22	CD22 molecule	ENSG00000012124	D
CD24	CD24 molecule	NA	U
CD244	CD244 molecule, natural killer cell receptor 2B4	ENSG00000122223	D
CD2BP2	CD2 (cytoplasmic tail) binding protein 2	ENSG00000169217	U
CD300C	CD300c molecule	ENSG00000167850	D

CD300E	CD300e molecule	ENSG00000186407	D
CD300LB	CD300 molecule-like family member b	ENSG00000178789	D
CD320	CD320 molecule	ENSG00000167775	U
CD36	CD36 molecule (thrombospondin receptor)	ENSG00000135218	U
CD38	CD38 molecule	ENSG00000004468	D
CD3D	CD3d molecule, delta (CD3-TCR complex)	ENSG00000167286	D
CD3E	CD3e molecule, epsilon (CD3-TCR complex)	ENSG00000198851	D
CD3G	CD3g molecule, gamma (CD3-TCR complex)	ENSG00000160654	D
CD40LG	CD40 ligand	ENSG00000102245	D
CD47	CD47 molecule	ENSG00000196776	U
CD5	CD5 molecule	ENSG00000110448	D
CD52	CD52 molecule	ENSG00000169442	D
CD59	CD59 molecule, complement regulatory protein	ENSG00000085063	U
CD5L	CD5 molecule-like	ENSG00000073754	D
CD6	CD6 molecule	ENSG00000013725	D
CD69	CD69 molecule	ENSG00000110848	D
CD74	CD74 molecule, major histocompatibility complex, class II invariant chain	ENSG00000019582	U
CD79A	CD79a molecule, immunoglobulin-associated alpha	ENSG00000105369	D
CD8A	CD8a molecule	ENSG00000153563	D
CD9	CD9 molecule	ENSG00000010278	U
CD96	CD96 molecule	ENSG00000153283	D
CD97	CD97 molecule	ENSG00000123146	U
CDA	cytidine deaminase	ENSG00000158825	U
CDADC1	cytidine and dCMP deaminase domain containing 1	ENSG00000102543	D
CDC123	cell division cycle 123 homolog (<i>S. cerevisiae</i>)	ENSG00000151465	U
CDC16	cell division cycle 16 homolog (<i>S. cerevisiae</i>)	ENSG00000130177	U
CDC20	cell division cycle 20 homolog (<i>S. cerevisiae</i>)	ENSG00000117399	U
CDC20B	cell division cycle 20 homolog B (<i>S. cerevisiae</i>)	ENSG00000164287	D
CDC23	cell division cycle 23 homolog (<i>S. cerevisiae</i>)	ENSG00000094880	U

CDC25B	cell division cycle 25 homolog B (<i>S. pombe</i>)	ENSG00000101224	U
CDC25C	cell division cycle 25 homolog C (<i>S. pombe</i>)	ENSG00000158402	D
CDC26	cell division cycle 26 homolog (<i>S. cerevisiae</i>)	ENSG00000176386	U
CDC34	cell division cycle 34 homolog (<i>S. cerevisiae</i>)	ENSG00000099804	U
CDC40	cell division cycle 40 homolog (<i>S. cerevisiae</i>)	ENSG00000168438	U
CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	ENSG00000070831	U
CDC42BPB	CDC42 binding protein kinase beta (DMPK-like)	ENSG00000198752	U
CDC42EP5	CDC42 effector protein (Rho GTPase binding) 5	ENSG00000167617	U
CDC5L	CDC5 cell division cycle 5-like (<i>S. pombe</i>)	ENSG00000096401	U
CDC6	cell division cycle 6 homolog (<i>S. cerevisiae</i>)	ENSG00000094804	D
CDC73	cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (<i>S. cerevisiae</i>)	ENSG00000134371	D
CDCA5	cell division cycle associated 5	ENSG00000146670	U
CDCP2	CUB domain containing protein 2	ENSG00000157211	D
CDH10	cadherin 10, type 2 (T2-cadherin)	ENSG00000040731	D
CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)	ENSG00000140937	U
CDH12	cadherin 12, type 2 (N-cadherin 2)	ENSG00000154162	D
CDH16	cadherin 16, KSP-cadherin	ENSG00000166589	D
CDH17	cadherin 17, LI cadherin (liver-intestine)	ENSG00000079112	D
CDH18	cadherin 18, type 2	ENSG00000145526	D
CDH20	cadherin 20, type 2	ENSG00000101542	D
CDH22	cadherin 22, type 2	ENSG00000149654	D
CDH23	cadherin-related 23	ENSG00000107736	D
CDH24	cadherin 24, type 2	ENSG00000139880	D
CDH7	cadherin 7, type 2	ENSG00000081138	D
CDH8	cadherin 8, type 2	ENSG00000150394	D
CDHR1	cadherin-related family member 1	ENSG00000148600	D
CDHR5	cadherin-related family member 5	ENSG00000099834	D
CDK13	cyclin-dependent kinase 13	ENSG00000065883	U
CDK19	cyclin-dependent kinase 19	ENSG00000155111	U

CDK2	cyclin-dependent kinase 2	ENSG00000123374	U
CDK20	cyclin-dependent kinase 20	ENSG00000156345	D
CDK2AP2	cyclin-dependent kinase 2 associated protein 2	ENSG00000167797	U
CDK4	cyclin-dependent kinase 4	ENSG00000135446	U
CDK5R2	cyclin-dependent kinase 5, regulatory subunit 2 (p39)	ENSG00000171450	D
CDK5RAP3	CDK5 regulatory subunit associated protein 3	ENSG00000108465	U
CDK6	cyclin-dependent kinase 6	ENSG00000105810	U
CDK7	cyclin-dependent kinase 7	ENSG00000134058	U
CDK9	cyclin-dependent kinase 9	ENSG00000136807	U
CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	ENSG00000100490	D
CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	ENSG00000138769	D
CDKL5	cyclin-dependent kinase-like 5	ENSG00000008086	D
CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	ENSG00000124762	U
CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	ENSG00000111276	U
CDKN2A	cyclin-dependent kinase inhibitor 2A	ENSG00000147889	D
CDKN2AIPNL	CDKN2A interacting protein N-terminal like	ENSG00000237190	D
CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	ENSG00000147883	D
CDON	Cdon homolog (mouse)	ENSG00000064309	D
CDPF1	cysteine-rich, DPF motif domain containing 1	ENSG00000205643	D
CDR1	cerebellar degeneration-related protein 1, 34kDa	ENSG00000184258	D
CDR2L	cerebellar degeneration-related protein 2-like	ENSG00000109089	U
CDRT1	CMT1A duplicated region transcript 1	ENSG00000241322	D
CDS1	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 1	ENSG00000163624	U
CDSN	corneodesmosin	ENSG00000204539	D
CDX1	caudal type homeobox 1	ENSG00000113722	D
CDX2	caudal type homeobox 2	ENSG00000165556	D
CEACAM21	carcinoembryonic antigen-related cell adhesion molecule 21	ENSG00000007129	D
CEACAM5	carcinoembryonic antigen-related cell adhesion molecule 5	ENSG00000105388	D
CEACAM6	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)	ENSG00000086548	D

CEACAM8	carcinoembryonic antigen-related cell adhesion molecule 8	ENSG00000124469	D
CEBPG	CCAAT/enhancer binding protein (C/EBP), gamma	ENSG00000153879	U
CEBPZ	CCAAT/enhancer binding protein (C/EBP), zeta	ENSG00000115816	U
CECR5	cat eye syndrome chromosome region, candidate 5	ENSG00000069998	U
CECR6	cat eye syndrome chromosome region, candidate 6	ENSG00000183307	D
CELA1	chymotrypsin-like elastase family, member 1	ENSG00000139610	D
CELA2A	chymotrypsin-like elastase family, member 2A	ENSG00000142615	D
CELA2B	chymotrypsin-like elastase family, member 2B	ENSG00000215704	D
CELF4	CUGBP, Elav-like family member 4	ENSG00000101489	D
CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	ENSG00000075275	D
CEND1	cell cycle exit and neuronal differentiation 1	ENSG00000184524	D
CENPH	centromere protein H	ENSG00000153044	D
CENPI	centromere protein I	ENSG00000102384	D
CENPT	centromere protein T	ENSG00000102901	U
CEP104	centrosomal protein 104kDa	ENSG00000116198	D
CEP112	centrosomal protein 112kDa	ENSG00000154240	D
CEP128	centrosomal protein 128kDa	ENSG00000100629	D
CEP19	centrosomal protein 19kDa	ENSG00000174007	D
CEP250	centrosomal protein 250kDa	ENSG00000126001	D
CEP350	centrosomal protein 350kDa	ENSG00000135837	U
CEP70	centrosomal protein 70kDa	ENSG00000114107	D
CEP85	centrosomal protein 85kDa	ENSG00000130695	U
CER1	cerberus 1, cysteine knot superfamily, homolog (Xenopus laevis)	ENSG00000147869	D
CERCAM	cerebral endothelial cell adhesion molecule	ENSG00000167123	U
CERS2	ceramide synthase 2	ENSG00000143418	U
CERS3	ceramide synthase 3	ENSG00000154227	D
CERS5	ceramide synthase 5	ENSG00000139624	U
CERS6	ceramide synthase 6	ENSG00000172292	U
CES2	carboxylesterase 2	ENSG00000172831	U

CES5A	carboxylesterase 5A	ENSG00000159398	D
CETN1	centrin, EF-hand protein, 1	NA	D
CETN2	centrin, EF-hand protein, 2	ENSG00000147400	U
CFB	complement factor B	ENSG00000243649	U
CFDP1	craniofacial development protein 1	ENSG00000153774	U
CFHR1	complement factor H-related 1	ENSG00000244414	D
CFI	complement factor I	ENSG00000205403	U
CFLAR	CASP8 and FADD-like apoptosis regulator	ENSG00000003402	U
	cystic fibrosis transmembrane conductance regulator (ATP-binding		
CFTR	cassette sub-family C, member 7)	ENSG00000001626	D
CGB2	chorionic gonadotropin, beta polypeptide 2	ENSG00000104818	D
CGREF1	cell growth regulator with EF-hand domain 1	ENSG00000138028	D
CHAC1	ChaC, cation transport regulator homolog 1 (E. coli)	ENSG00000128965	D
CHAC2	ChaC, cation transport regulator homolog 2 (E. coli)	ENSG00000143942	D
CHAD	chondroadherin	ENSG00000136457	D
CHAMP1	chromosome alignment maintaining phosphoprotein 1	ENSG00000198824	U
CHAT	choline O-acetyltransferase	ENSG00000070748	D
CHCHD3	coiled-coil-helix-coiled-coil-helix domain containing 3	ENSG00000106554	U
CHCHD4	coiled-coil-helix-coiled-coil-helix domain containing 4	ENSG00000163528	U
CHCHD5	coiled-coil-helix-coiled-coil-helix domain containing 5	ENSG00000125611	U
CHD1	chromodomain helicase DNA binding protein 1	ENSG00000153922	U
CHD3	chromodomain helicase DNA binding protein 3	ENSG00000170004	D
CHD4	chromodomain helicase DNA binding protein 4	ENSG00000111642	U
CHD8	chromodomain helicase DNA binding protein 8	ENSG00000100888	U
CHD9	chromodomain helicase DNA binding protein 9	ENSG00000177200	U
CHDH	choline dehydrogenase	ENSG00000016391	D
CHEK2	checkpoint kinase 2	ENSG00000183765	D
	checkpoint with forkhead and ring finger domains, E3 ubiquitin protein		
CHFR	ligase	ENSG00000072609	U
CHGA	chromogranin A (parathyroid secretory protein 1)	ENSG00000100604	D

CHGB	chromogranin B (secretogranin 1)	ENSG00000089199	D
CHI3L1	chitinase 3-like 1 (cartilage glycoprotein-39)	ENSG00000133048	D
CHIC1	cysteine-rich hydrophobic domain 1	ENSG00000204116	D
CHIC2	cysteine-rich hydrophobic domain 2	ENSG00000109220	U
CHM	choroideremia (Rab escort protein 1)	ENSG00000188419	D
CHML	choroideremia-like (Rab escort protein 2)	ENSG00000203668	D
CHMP1A	charged multivesicular body protein 1A	ENSG00000131165	U
CHMP1B	charged multivesicular body protein 1B	ENSG00000255112	U
CHMP2A	charged multivesicular body protein 2A	ENSG00000130724	U
CHMP2B	charged multivesicular body protein 2B	ENSG00000083937	U
CHMP4B	charged multivesicular body protein 4B	ENSG00000101421	U
CHMP5	charged multivesicular body protein 5	ENSG00000086065	U
CHN1	chimerin (chimaerin) 1	ENSG00000128656	U
CHP1	calcineurin-like EF hand protein 1	ENSG00000187446	U
CHRD12	chordin-like 2	ENSG00000054938	D
CHRM2	cholinergic receptor, muscarinic 2	ENSG00000181072	D
CHRM3	cholinergic receptor, muscarinic 3	ENSG00000133019	D
CHRM4	cholinergic receptor, muscarinic 4	ENSG00000180720	D
CHRNA1	cholinergic receptor, nicotinic, alpha 1 (muscle)	ENSG00000138435	D
CHRNA2	cholinergic receptor, nicotinic, alpha 2 (neuronal)	ENSG00000120903	D
CHRNA3	cholinergic receptor, nicotinic, alpha 3 (neuronal)	ENSG00000080644	D
CHRNA4	cholinergic receptor, nicotinic, alpha 4 (neuronal)	ENSG00000101204	D
CHRNA6	cholinergic receptor, nicotinic, alpha 6 (neuronal)	ENSG00000147434	D
CHRNA7	cholinergic receptor, nicotinic, alpha 7 (neuronal)	ENSG00000175344	D
CHRNA9	cholinergic receptor, nicotinic, alpha 9 (neuronal)	ENSG00000174343	D
CHRNB2	cholinergic receptor, nicotinic, beta 2 (neuronal)	ENSG00000160716	D
CHRNB4	cholinergic receptor, nicotinic, beta 4 (neuronal)	ENSG00000117971	D
CHRND	cholinergic receptor, nicotinic, delta (muscle)	ENSG00000135902	D
CHRNG	cholinergic receptor, nicotinic, gamma (muscle)	ENSG00000196811	D
CHST10	carbohydrate sulfotransferase 10	ENSG00000115526	D

CHST13	carbohydrate (chondroitin 4) sulfotransferase 13	ENSG00000180767	D
CHST14	carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 14	ENSG00000169105	U
CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	ENSG00000140835	D
CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	ENSG00000135702	D
CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	ENSG00000183196	D
CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	ENSG00000147119	U
CHST8	carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 8	ENSG00000124302	D
CHTOP	chromatin target of PRMT1	ENSG00000160679	U
CHUK	conserved helix-loop-helix ubiquitous kinase	ENSG00000213341	U
CHURC1	churchill domain containing 1	ENSG00000258289	U
CIAO1	cytosolic iron-sulfur protein assembly 1	ENSG00000144021	U
CIAPIN1	cytokine induced apoptosis inhibitor 1	ENSG00000005194	U
CIB1	calcium and integrin binding 1 (calmyrin)	ENSG00000185043	U
CIB3	calcium and integrin binding family member 3	ENSG00000141977	D
CIITA	class II, major histocompatibility complex, transactivator	ENSG00000179583	D
CILP2	cartilage intermediate layer protein 2	ENSG00000160161	D
CIRH1A	cirrhosis, autosomal recessive 1A (cirhin)	ENSG00000141076	U
CISH	cytokine inducible SH2-containing protein	ENSG00000114737	U
CITED1	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1	ENSG00000125931	D
CITED2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	ENSG00000164442	U
CITED4	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4	ENSG00000179862	U
CKAP4	cytoskeleton-associated protein 4	ENSG00000136026	U
CKAP5	cytoskeleton associated protein 5	ENSG00000175216	U
CKLF	chemokine-like factor	ENSG00000217555	U
CKMT1A	creatine kinase, mitochondrial 1A	ENSG00000223572	U
CKMT2	creatine kinase, mitochondrial 2 (sarcomeric)	ENSG00000131730	D
CKS1B	CDC28 protein kinase regulatory subunit 1B	ENSG00000173207	U

CLASP1	cytoplasmic linker associated protein 1	ENSG00000074054	U
CLCA1	chloride channel accessory 1	ENSG00000016490	D
CLCA2	chloride channel accessory 2	ENSG000000137975	D
CLCA4	chloride channel accessory 4	ENSG000000016602	D
CLCN1	chloride channel, voltage-sensitive 1	ENSG000000188037	D
CLCN4	chloride channel, voltage-sensitive 4	ENSG000000073464	D
CLCNKB	chloride channel, voltage-sensitive Kb	ENSG000000184908	D
CLDN10	claudin 10	ENSG000000134873	D
CLDN16	claudin 16	ENSG000000113946	D
CLDN17	claudin 17	ENSG000000156282	D
CLDN18	claudin 18	ENSG000000066405	D
CLDN2	claudin 2	ENSG000000165376	D
CLDN23	claudin 23	ENSG000000253958	U
CLDN4	claudin 4	ENSG000000189143	U
CLDN5	claudin 5	ENSG000000184113	U
CLDN6	claudin 6	ENSG000000184697	D
CLDND1	claudin domain containing 1	ENSG000000080822	U
CLEC10A	C-type lectin domain family 10, member A	ENSG000000132514	D
CLEC12A	C-type lectin domain family 12, member A	ENSG000000172322	D
CLEC16A	C-type lectin domain family 16, member A	ENSG000000038532	U
CLEC18B	C-type lectin domain family 18, member B	ENSG000000140839	D
CLEC1B	C-type lectin domain family 1, member B	ENSG000000165682	D
CLEC4C	C-type lectin domain family 4, member C	ENSG000000198178	D
CLEC4D	C-type lectin domain family 4, member D	ENSG000000166527	D
CLEC4E	C-type lectin domain family 4, member E	ENSG000000166523	D
CLEC5A	C-type lectin domain family 5, member A	ENSG000000258227	D
CLEC7A	C-type lectin domain family 7, member A	ENSG000000172243	D
CLECL1	C-type lectin-like 1	ENSG000000184293	D
CLGN	calmegin	ENSG000000153132	D
CLIC1	chloride intracellular channel 1	ENSG000000213719	U

CLIC2	chloride intracellular channel 2	ENSG00000155962	D
CLIC4	chloride intracellular channel 4	ENSG00000169504	U
CLIC5	chloride intracellular channel 5	ENSG00000112782	U
CLIC6	chloride intracellular channel 6	ENSG00000159212	D
CLINT1	clathrin interactor 1	ENSG00000113282	U
CLIP3	CAP-GLY domain containing linker protein 3	ENSG00000105270	U
CLIP4	CAP-GLY domain containing linker protein family, member 4	ENSG00000115295	U
CLK1	CDC-like kinase 1	ENSG00000013441	U
CLK3	CDC-like kinase 3	ENSG00000179335	U
CLN3	ceroid-lipofuscinosis, neuronal 3	ENSG00000261832	U
CLN5	ceroid-lipofuscinosis, neuronal 5	ENSG00000102805	U
CLNS1A	chloride channel, nucleotide-sensitive, 1A	ENSG00000074201	U
CLPB	ClpB caseinolytic peptidase B homolog (E. coli)	ENSG00000162129	D
CLPP	ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli)	ENSG00000125656	U
CLPSL2	colipase-like 2	ENSG00000196748	D
CLPTM1L	CLPTM1-like	ENSG00000049656	U
CLPX	ClpX caseinolytic peptidase X homolog (E. coli)	ENSG00000166855	U
CLRN3	clarin 3	ENSG00000180745	D
CLSPN	claspin	ENSG00000092853	D
CLSTN2	calsyntenin 2	ENSG00000158258	D
CLTA	clathrin, light chain A	ENSG00000122705	U
CLTB	clathrin, light chain B	ENSG00000175416	U
CLUL1	clusterin-like 1 (retinal)	ENSG00000079101	D
CMA1	chymase 1, mast cell	ENSG00000092009	D
CMAS	cytidine monophosphate N-acetylneuraminic acid synthetase	ENSG00000111726	U
CMC2	COX assembly mitochondrial protein 2 homolog (S. cerevisiae)	ENSG00000103121	U
CMIP	c-Maf inducing protein	ENSG00000153815	U
CMPK2	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	ENSG00000134326	D
CMTM1	CKLF-like MARVEL transmembrane domain containing 1	ENSG00000089505	D

CMTM3	CKLF-like MARVEL transmembrane domain containing 3	ENSG00000140931	U
CMTM5	CKLF-like MARVEL transmembrane domain containing 5	ENSG00000166091	D
CMTM6	CKLF-like MARVEL transmembrane domain containing 6	ENSG00000091317	U
CMTM8	CKLF-like MARVEL transmembrane domain containing 8	ENSG00000170293	U
CNBD1	cyclic nucleotide binding domain containing 1	ENSG00000176571	D
CNEP1R1	CTD nuclear envelope phosphatase 1 regulatory subunit 1	ENSG00000205423	U
CNGB1	cyclic nucleotide gated channel beta 1	ENSG00000070729	D
CNIH	cornichon homolog (Drosophila)	ENSG00000100528	U
CNIH2	cornichon homolog 2 (Drosophila)	ENSG00000174871	D
CNIH3	cornichon homolog 3 (Drosophila)	ENSG00000143786	D
CNIH4	cornichon homolog 4 (Drosophila)	ENSG00000143771	U
CNKS2	connector enhancer of kinase suppressor of Ras 2	ENSG00000149970	D
CNNM1	cyclin M1	ENSG00000119946	D
CNNM3	cyclin M3	ENSG00000168763	U
CNOT2	CCR4-NOT transcription complex, subunit 2	ENSG00000111596	U
CNOT3	CCR4-NOT transcription complex, subunit 3	ENSG00000088038	U
CNP	2',3'-cyclic nucleotide 3' phosphodiesterase	ENSG00000173786	D
CNPPD1	cyclin Pas1/PHO80 domain containing 1	ENSG00000115649	U
CNRIP1	cannabinoid receptor interacting protein 1	ENSG00000119865	U
CNST	consortin, connexin sorting protein	ENSG00000162852	U
CNTD2	cyclin N-terminal domain containing 2	ENSG00000105219	D
CNTLN	centlein, centrosomal protein	ENSG00000044459	D
CNTN2	contactin 2 (axonal)	ENSG00000184144	D
CNTN4	contactin 4	ENSG00000144619	D
CNTN5	contactin 5	ENSG00000149972	D
CNTNAP4	contactin associated protein-like 4	ENSG00000152910	D
CNTNAP5	contactin associated protein-like 5	ENSG00000155052	D
COA5	cytochrome C oxidase assembly factor 5	ENSG00000183513	U
COBL	cordon-bleu homolog (mouse)	ENSG00000106078	U
COBRA1	cofactor of BRCA1	ENSG00000188986	U

COG1	component of oligomeric golgi complex 1	ENSG00000166685	U
COG2	component of oligomeric golgi complex 2	ENSG00000135775	U
COG3	component of oligomeric golgi complex 3	ENSG00000136152	U
COG6	component of oligomeric golgi complex 6	ENSG00000133103	U
COIL	coilin	ENSG00000121058	U
COL11A2	collagen, type XI, alpha 2	ENSG00000204248	D
COL13A1	collagen, type XIII, alpha 1	ENSG00000197467	D
COL17A1	collagen, type XVII, alpha 1	ENSG00000065618	U
COL20A1	collagen, type XX, alpha 1	ENSG00000101203	D
COL22A1	collagen, type XXII, alpha 1	ENSG00000169436	D
COL23A1	collagen, type XXIII, alpha 1	ENSG00000050767	D
COL24A1	collagen, type XXIV, alpha 1	ENSG00000171502	D
COL25A1	collagen, type XXV, alpha 1	ENSG00000188517	D
COL28A1	collagen, type XXVIII, alpha 1	ENSG00000215018	D
COL2A1	collagen, type II, alpha 1	ENSG00000139219	D
COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	ENSG00000169031	D
COL4A5	collagen, type IV, alpha 5	ENSG00000188153	U
COL4A6	collagen, type IV, alpha 6	ENSG00000197565	D
COL5A2	collagen, type V, alpha 2	ENSG00000204262	U
COL6A2	collagen, type VI, alpha 2	ENSG00000142173	U
COL6A5	collagen, type VI, alpha 5	ENSG00000172752	D
COL9A1	collagen, type IX, alpha 1	ENSG00000112280	D
COLEC10	collectin sub-family member 10 (C-type lectin)	ENSG00000184374	D
COLEC12	collectin sub-family member 12	ENSG00000158270	U
COMMD3	COMM domain containing 3	ENSG00000148444	U
COMMD4	COMM domain containing 4	ENSG00000140365	D
COMMD6	COMM domain containing 6	ENSG00000188243	U
COMMD8	COMM domain containing 8	ENSG00000169019	U
COMMD9	COMM domain containing 9	ENSG00000110442	U
COMT	catechol-O-methyltransferase	ENSG00000093010	U

COMTD1	catechol-O-methyltransferase domain containing 1	ENSG00000165644	U
COPB2	coatomer protein complex, subunit beta 2 (beta prime)	ENSG00000184432	U
COPE	coatomer protein complex, subunit epsilon	ENSG00000105669	U
COPS4	COP9 constitutive photomorphogenic homolog subunit 4 (Arabidopsis)	ENSG00000138663	U
COPS6	COP9 constitutive photomorphogenic homolog subunit 6 (Arabidopsis)	ENSG00000168090	U
COPS7B	COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)	ENSG00000144524	U
COPZ1	coatomer protein complex, subunit zeta 1	ENSG00000111481	U
COQ10B	coenzyme Q10 homolog B (<i>S. cerevisiae</i>)	ENSG00000115520	U
COQ2	coenzyme Q2 homolog, prenyltransferase (yeast)	ENSG00000173085	U
COQ5	coenzyme Q5 homolog, methyltransferase (<i>S. cerevisiae</i>)	ENSG00000110871	U
COQ9	coenzyme Q9 homolog (<i>S. cerevisiae</i>)	ENSG00000088682	U
CORO1B	coronin, actin binding protein, 1B	ENSG00000172725	U
CORO1C	coronin, actin binding protein, 1C	ENSG00000110880	U
CORO6	coronin 6	ENSG00000167549	U
CORO7	coronin 7	ENSG00000262246	U
COTL1	coactosin-like 1 (<i>Dictyostelium</i>)	ENSG00000103187	U
COX11	COX11 cytochrome c oxidase assembly homolog (yeast)	ENSG00000166260	D
COX14	COX14 cytochrome c oxidase assembly homolog (<i>S. cerevisiae</i>)	ENSG00000178449	U
COX16	COX16 cytochrome c oxidase assembly homolog (<i>S. cerevisiae</i>)	ENSG00000133983	U
COX18	COX18 cytochrome c oxidase assembly homolog (<i>S. cerevisiae</i>)	ENSG00000163626	D
COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	ENSG00000131055	U
COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	ENSG00000156885	D
COX6B2	cytochrome c oxidase subunit VIb polypeptide 2 (testis)	ENSG00000160471	D
COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	ENSG00000161281	U
COX7B	cytochrome c oxidase subunit VIIb	ENSG00000131174	U
CPA2	carboxypeptidase A2 (pancreatic)	ENSG00000158516	D
CPA3	carboxypeptidase A3 (mast cell)	ENSG00000163751	D
CPA5	carboxypeptidase A5	ENSG00000158525	D
CPA6	carboxypeptidase A6	ENSG00000165078	D

CPD	carboxypeptidase D	ENSG00000108582	U
CPEB2	cytoplasmic polyadenylation element binding protein 2	ENSG00000137449	D
CPLX2	complexin 2	ENSG00000145920	D
CPLX3	complexin 3	ENSG00000213578	D
CPLX4	complexin 4	ENSG00000166569	D
CPN1	carboxypeptidase N, polypeptide 1	ENSG00000120054	D
CPNE1	copine I	ENSG00000214078	U
CPNE3	copine III	ENSG00000085719	U
CPNE4	copine IV	ENSG00000196353	D
CPNE5	copine V	ENSG00000124772	D
CPNE6	copine VI (neuronal)	ENSG00000100884	D
CPNE7	copine VII	ENSG00000178773	D
CPNE9	copine family member IX	ENSG00000144550	D
CPOX	coproporphyrinogen oxidase	ENSG00000080819	U
CPSF3	cleavage and polyadenylation specific factor 3, 73kDa	ENSG00000119203	U
CPSF3L	cleavage and polyadenylation specific factor 3-like	ENSG00000127054	U
CPSF4	cleavage and polyadenylation specific factor 4, 30kDa	ENSG00000160917	U
CPSF7	cleavage and polyadenylation specific factor 7, 59kDa	ENSG00000149532	D
CPT1B	carnitine palmitoyltransferase 1B (muscle)	ENSG00000205560	D
CPT2	carnitine palmitoyltransferase 2	ENSG00000157184	U
CPVL	carboxypeptidase, vitellogenic-like	ENSG00000106066	U
CPXM2	carboxypeptidase X (M14 family), member 2	ENSG00000121898	U
CR1	complement component (3b/4b) receptor 1 (Knops blood group)	ENSG00000203710	D
CR2	complement component (3d/Epstein Barr virus) receptor 2	ENSG00000117322	D
CRABP1	cellular retinoic acid binding protein 1	ENSG00000166426	D
CRAT	carnitine O-acetyltransferase	ENSG00000095321	U
CRB1	crumbs homolog 1 (Drosophila)	ENSG00000134376	D
CRB2	crumbs homolog 2 (Drosophila)	ENSG00000148204	D
CRBN	cereblon	ENSG00000113851	U
CREB3L1	cAMP responsive element binding protein 3-like 1	ENSG00000157613	D

CREB3L3	cAMP responsive element binding protein 3-like 3	ENSG00000060566	D
CREBBP	CREB binding protein	ENSG00000005339	U
CREBRF	CREB3 regulatory factor	ENSG00000164463	U
CREG2	cellular repressor of E1A-stimulated genes 2	ENSG00000175874	D
CRELD2	cysteine-rich with EGF-like domains 2	ENSG00000184164	U
CRHR2	corticotropin releasing hormone receptor 2	ENSG00000106113	D
CRIM1	cysteine rich transmembrane BMP regulator 1 (chordin-like)	ENSG00000150938	U
CRIP3	cysteine-rich protein 3	ENSG00000146215	D
CRIPAK	cysteine-rich PAK1 inhibitor	ENSG00000179979	U
CRIPT	cysteine-rich PDZ-binding protein	ENSG00000119878	U
CRISP2	cysteine-rich secretory protein 2	ENSG00000124490	D
CRISP3	cysteine-rich secretory protein 3	ENSG00000096006	D
CRISPLD1	cysteine-rich secretory protein LCCL domain containing 1	ENSG00000121005	D
CRK	v-crk sarcoma virus CT10 oncogene homolog (avian)	ENSG00000167193	U
CRLF2	cytokine receptor-like factor 2	ENSG00000205755	D
CRLS1	cardiolipin synthase 1	ENSG00000088766	U
CRNN	cornulin	ENSG00000143536	D
CROCC	ciliary rootlet coiled-coil, rootletin	ENSG00000058453	D
CROT	carnitine O-octanoyltransferase	ENSG00000005469	U
CRP	C-reactive protein, pentraxin-related	ENSG00000132693	D
CRTAC1	cartilage acidic protein 1	ENSG00000095713	D
CRTAM	cytotoxic and regulatory T cell molecule	ENSG00000109943	D
CRTC2	CREB regulated transcription coactivator 2	ENSG00000160741	U
CRX	cone-rod homeobox	ENSG00000105392	D
CRY2	cryptochrome 2 (photolyase-like)	ENSG00000121671	U
CRYBB3	crystallin, beta B3	ENSG00000100053	D
CRYGB	crystallin, gamma B	ENSG00000182187	D
CRYGN	crystallin, gamma N	ENSG00000127377	D
CRYGS	crystallin, gamma S	ENSG00000213139	D
CRYM	crystallin, mu	ENSG00000103316	D

CS	citrate synthase	ENSG00000062485	U
CSAG1	chondrosarcoma associated gene 1	ENSG00000198930	D
CSDC2	cold shock domain containing C2, RNA binding	ENSG00000172346	D
CSE1L	CSE1 chromosome segregation 1-like (yeast)	ENSG00000124207	U
CSF1	colony stimulating factor 1 (macrophage)	ENSG00000184371	D
CSF2	colony stimulating factor 2 (granulocyte-macrophage)	ENSG00000164400	D
CSF3	colony stimulating factor 3 (granulocyte)	ENSG00000108342	D
CSK	c-src tyrosine kinase	ENSG00000103653	U
CSN2	casein beta	ENSG00000135222	D
CSN3	casein kappa	ENSG00000171209	D
CSNK1D	casein kinase 1, delta	ENSG00000141551	U
CSNK1E	casein kinase 1, epsilon	ENSG00000213923	U
CSNK1G2	casein kinase 1, gamma 2	ENSG00000133275	U
CSNK1G2-AS	CSNK1G2 antisense RNA 1	NA	D
CSNK2A2	casein kinase 2, alpha prime polypeptide	ENSG00000070770	U
CSRNP2	cysteine-serine-rich nuclear protein 2	ENSG00000110925	U
CSRNP3	cysteine-serine-rich nuclear protein 3	ENSG00000178662	D
CSRP2	cysteine and glycine-rich protein 2	ENSG00000175183	U
CST1	cystatin SN	ENSG00000170373	D
CST11	cystatin 11	ENSG00000125831	D
CST6	cystatin E/M	ENSG00000175315	U
CST8	cystatin 8 (cystatin-related epididymal specific)	ENSG00000125815	D
CST9	cystatin 9 (testatin)	ENSG00000173335	D
CSTF1	cleavage stimulation factor, 3' pre-RNA, subunit 1, 50kDa	ENSG00000101138	D
CSTL1	cystatin-like 1	ENSG00000125823	D
CTAG1A	cancer/testis antigen 1A	ENSG00000183678	D
CTAG2	cancer/testis antigen 2	ENSG00000126890	D
CTAGE5	CTAGE family, member 5	ENSG00000258941	D
CTBP1	C-terminal binding protein 1	ENSG00000159692	U
CTBS	chitinase, di-N-acetyl-	ENSG00000117151	U

CTCF	CCCTC-binding factor (zinc finger protein)	ENSG00000102974	U
CTCFL	CCCTC-binding factor (zinc finger protein)-like	ENSG00000124092	D
CTDNEP1	CTD nuclear envelope phosphatase 1	ENSG00000175826	U
CTDSP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	ENSG00000144579	U
CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	ENSG00000144677	U
CTF1	cardiotrophin 1	ENSG00000150281	D
CTH	cystathionase (cystathionine gamma-lyase)	ENSG00000116761	D
CTHRC1	collagen triple helix repeat containing 1	ENSG00000164932	U
CTNNA2	catenin (cadherin-associated protein), alpha 2	ENSG00000066032	D
CTNNA3	catenin (cadherin-associated protein), alpha 3	ENSG00000183230	D
CTNNAL1	catenin (cadherin-associated protein), alpha-like 1	ENSG00000119326	U
CTNNBL1	catenin, beta like 1	ENSG00000132792	U
CTNND2	catenin (cadherin-associated protein), delta 2	ENSG00000169862	D
CTRB1	chymotrypsinogen B1	ENSG00000168925	D
CTSA	cathepsin A	ENSG00000064601	U
CTSE	cathepsin E	ENSG00000196188	D
CTSF	cathepsin F	ENSG00000174080	U
CTSL2	cathepsin L2	ENSG00000136943	U
CTSZ	cathepsin Z	ENSG00000101160	U
CTTN	cortactin	ENSG00000085733	U
CUEDC2	CUE domain containing 2	ENSG00000107874	U
CUL1	cullin 1	ENSG00000055130	U
CUL2	cullin 2	ENSG00000108094	U
CUL5	cullin 5	ENSG00000166266	U
CUTA	cutA divalent cation tolerance homolog (E. coli)	ENSG00000112514	U
CUZD1	CUB and zona pellucida-like domains 1	ENSG00000138161	D
CWC15	CWC15 spliceosome-associated protein homolog (S. cerevisiae)	NA	U
CWC27	CWC27 spliceosome-associated protein homolog (S. cerevisiae)	ENSG00000153015	U

CWH43	cell wall biogenesis 43 C-terminal homolog (<i>S. cerevisiae</i>)	ENSG00000109182	D
CXADR	coxsackie virus and adenovirus receptor	ENSG00000154639	D
	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	ENSG00000163739	U
CXCL1			
CXCL11	chemokine (C-X-C motif) ligand 11	ENSG00000169248	D
CXCL13	chemokine (C-X-C motif) ligand 13	ENSG00000156234	D
CXCL16	chemokine (C-X-C motif) ligand 16	ENSG00000161921	U
CXCL2	chemokine (C-X-C motif) ligand 2	ENSG00000081041	D
CXCL5	chemokine (C-X-C motif) ligand 5	ENSG00000163735	D
CXCL6	chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)	ENSG00000124875	D
CXCL9	chemokine (C-X-C motif) ligand 9	ENSG00000138755	D
CXCR3	chemokine (C-X-C motif) receptor 3	ENSG00000186810	D
CXCR5	chemokine (C-X-C motif) receptor 5	ENSG00000160683	D
CXorf1	chromosome X open reading frame 1	ENSG00000221870	D
CXorf21	chromosome X open reading frame 21	ENSG00000120280	D
CXorf26	chromosome X open reading frame 26	ENSG00000102390	U
CXorf36	chromosome X open reading frame 36	ENSG00000147113	D
CXorf48	chromosome X open reading frame 48	ENSG00000169551	D
CXorf58	chromosome X open reading frame 58	ENSG00000165182	D
CXorf59	chromosome X open reading frame 59	ENSG00000176034	D
CXorf61	chromosome X open reading frame 61	ENSG00000204019	D
CXXC1	CXXC finger protein 1	ENSG00000154832	U
CXXC11	CXXC finger protein 11	ENSG00000188011	D
CYB561D2	cytochrome b-561 domain containing 2	ENSG00000114395	U
CYB5A	cytochrome b5 type A (microsomal)	ENSG00000166347	U
CYB5R3	cytochrome b5 reductase 3	ENSG00000100243	U
CYBASC3	cytochrome b, ascorbate dependent 3	ENSG00000162144	U
CYBRD1	cytochrome b reductase 1	ENSG00000071967	U
CYFIP2	cytoplasmic FMR1 interacting protein 2	ENSG00000055163	U
CYLC2	cylicin, basic protein of sperm head cytoskeleton 2	ENSG00000155833	D

CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	ENSG00000160882	D
CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	ENSG00000179142	D
CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	ENSG00000140465	D
CYP1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	ENSG00000140505	D
CYP1B1-AS1	CYP1B1 antisense RNA 1	NA	D
CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	ENSG00000231852	D
CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	ENSG00000019186	D
CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	ENSG00000111012	D
CYP2B6	cytochrome P450, family 2, subfamily B, polypeptide 6	ENSG00000197408	D
CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	ENSG00000138115	D
CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	ENSG00000100197	D
CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	ENSG00000130649	D
CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1	ENSG00000197446	D
CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	ENSG00000134716	U
CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	ENSG00000167600	D
CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	ENSG00000073067	D
CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	ENSG00000146233	D
CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	ENSG00000021461	D
CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	ENSG00000106258	D
CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	ENSG00000036530	D
CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	ENSG00000186204	D
CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	ENSG00000186115	D
CYP4F22	cytochrome P450, family 4, subfamily F, polypeptide 22	ENSG00000171954	D
CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	ENSG00000186529	D
CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	ENSG00000186160	D
CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	ENSG00000167910	D
CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	ENSG00000172817	D
CYP8B1	cytochrome P450, family 8, subfamily B, polypeptide 1	ENSG00000180432	D
CYR61	cysteine-rich, angiogenic inducer, 61	ENSG00000142871	U
CYSLTR2	cysteinyl leukotriene receptor 2	ENSG00000152207	D

CYSTM1	cysteine-rich transmembrane module containing 1	ENSG00000120306	U
CYTH1	cytohesin 1	ENSG00000108669	U
CYTH3	cytohesin 3	ENSG00000008256	U
CYTIP	cytohesin 1 interacting protein	ENSG00000115165	D
CYYR1	cysteine/tyrosine-rich 1	ENSG00000166265	U
DAAM1	dishevelled associated activator of morphogenesis 1	ENSG00000100592	U
DAGLA	diacylglycerol lipase, alpha	ENSG00000134780	D
DALRD3	DALR anticodon binding domain containing 3	ENSG00000178149	D
DAOA	D-amino acid oxidase activator	ENSG00000182346	D
DAP3	death associated protein 3	ENSG00000132676	U
DAPK3	death-associated protein kinase 3	ENSG00000167657	U
DAZ2	deleted in azoospermia 2	ENSG00000205944	D
DAZL	deleted in azoospermia-like	ENSG00000092345	D
DBF4	DBF4 homolog (S. cerevisiae)	ENSG00000006634	D
DBF4B	DBF4 homolog B (S. cerevisiae)	ENSG00000161692	D
DBNDD1	dysbindin (dystrobrevin binding protein 1) domain containing 1	ENSG00000003249	D
DBNDD2	dysbindin (dystrobrevin binding protein 1) domain containing 2	ENSG00000244274	U
DBP	D site of albumin promoter (albumin D-box) binding protein	ENSG00000105516	D
DBT	dihydrolipoamide branched chain transacylase E2	ENSG00000137992	U
DBX2	developing brain homeobox 2	ENSG00000185610	D
DCAF10	DDB1 and CUL4 associated factor 10	ENSG00000122741	U
DCAF12	DDB1 and CUL4 associated factor 12	ENSG00000198876	U
DCAF12L1	DDB1 and CUL4 associated factor 12-like 1	ENSG00000198889	D
DCAF17	DDB1 and CUL4 associated factor 17	ENSG00000115827	D
DCAF4L2	DDB1 and CUL4 associated factor 4-like 2	ENSG00000176566	D
DCAF7	DDB1 and CUL4 associated factor 7	ENSG00000136485	U
DCAF8	DDB1 and CUL4 associated factor 8	ENSG00000132716	U
DCAKD	dephospho-CoA kinase domain containing	ENSG00000172992	U
DCD	dermcidin	ENSG00000161634	D
DCDC1	doublecortin domain containing 1	ENSG00000188682	D

DCDC2	doublecortin domain containing 2	ENSG00000146038	D
DCHS2	dachsous 2 (Drosophila)	ENSG00000197410	D
DCLK1	doublecortin-like kinase 1	ENSG00000133083	D
DCLK2	doublecortin-like kinase 2	ENSG00000170390	D
DCP1A	DCP1 decapping enzyme homolog A (S. cerevisiae)	NA	U
DCP2	DCP2 decapping enzyme homolog (S. cerevisiae)	ENSG00000172795	U
DCST1	DC-STAMP domain containing 1	ENSG00000163357	D
DCST2	DC-STAMP domain containing 2	ENSG00000163354	D
	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-		
DCT	related protein 2)	ENSG00000080166	D
DCTD	dCMP deaminase	ENSG00000129187	U
DCTN3	dynactin 3 (p22)	ENSG00000137100	U
DCTN4	dynactin 4 (p62)	ENSG00000132912	U
DCTN5	dynactin 5 (p25)	ENSG00000166847	U
DCTN6	dynactin 6	ENSG00000104671	U
DCTPP1	dCTP pyrophosphatase 1	ENSG00000179958	U
	DCN1, defective in cullin neddylation 1, domain containing 3 (S.		
DCUN1D3	cerevisiae)	ENSG00000188215	U
	DCN1, defective in cullin neddylation 1, domain containing 5 (S.		
DCUN1D5	cerevisiae)	ENSG00000137692	U
DCXR	dicarbonyl/L-xylulose reductase	ENSG00000169738	U
DDB1	damage-specific DNA binding protein 1, 127kDa	ENSG00000167986	U
DDB2	damage-specific DNA binding protein 2, 48kDa	ENSG00000134574	D
DDC	dopa decarboxylase (aromatic L-amino acid decarboxylase)	ENSG00000132437	D
DDHD1	DDHD domain containing 1	ENSG00000100523	D
DDI1	DNA-damage inducible 1 homolog 1 (S. cerevisiae)	ENSG00000170967	D
DDI2	DNA-damage inducible 1 homolog 2 (S. cerevisiae)	ENSG00000197312	D
DDIT3	DNA-damage-inducible transcript 3	ENSG00000175197	U
DDIT4	DNA-damage-inducible transcript 4	ENSG00000168209	U
DDN	dendrin	ENSG00000181418	D

DDO	D-aspartate oxidase	ENSG00000203797	D
DDR1	discoidin domain receptor tyrosine kinase 1	ENSG00000204580	U
DDX11	DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11	ENSG00000013573	D
DDX17	DEAD (Asp-Glu-Ala-Asp) box helicase 17	ENSG000000100201	U
DDX18	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	ENSG000000088205	U
DDX21	DEAD (Asp-Glu-Ala-Asp) box helicase 21	ENSG000000165732	U
DDX23	DEAD (Asp-Glu-Ala-Asp) box polypeptide 23	ENSG000000174243	U
DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	ENSG000000089737	U
DDX25	DEAD (Asp-Glu-Ala-Asp) box helicase 25	ENSG000000109832	D
DDX26B	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B	ENSG000000165359	D
DDX27	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27	ENSG000000124228	U
DDX28	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	ENSG000000182810	U
DDX39A	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A	ENSG000000123136	U
DDX39B	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B	ENSG000000198563	U
DDX3X	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked	ENSG000000215301	U
DDX3Y	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, Y-linked	ENSG000000067048	D
DDX41	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41	ENSG000000183258	U
DDX42	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	ENSG000000198231	U
DDX47	DEAD (Asp-Glu-Ala-Asp) box polypeptide 47	ENSG000000213782	U
DDX52	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	ENSG000000141141	D
DDX53	DEAD (Asp-Glu-Ala-Asp) box polypeptide 53	ENSG000000184735	D
DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	ENSG000000123064	D
DDX55	DEAD (Asp-Glu-Ala-Asp) box polypeptide 55	ENSG000000111364	U
DDX56	DEAD (Asp-Glu-Ala-Asp) box helicase 56	ENSG000000136271	U
DDX59	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59	ENSG000000118197	U
DEC1	deleted in esophageal cancer 1	ENSG000000173077	D
DECR1	2,4-dienoyl CoA reductase 1, mitochondrial	ENSG000000104325	U
DEDD2	death effector domain containing 2	ENSG000000160570	U
DEFA5	defensin, alpha 5, Paneth cell-specific	ENSG000000164816	D
DEFB103B	defensin, beta 103B	ENSG000000177243	D

DEFB114	defensin, beta 114	ENSG00000177684	D
DEFB119	defensin, beta 119	ENSG00000180483	D
DEFB126	defensin, beta 126	NA	D
DEFB127	defensin, beta 127	ENSG00000088782	D
DEFB129	defensin, beta 129	NA	D
DEK	DEK oncogene	ENSG00000124795	U
DENND2A	DENN/MADD domain containing 2A	ENSG00000146966	U
DENND2C	DENN/MADD domain containing 2C	ENSG00000175984	D
DENND2D	DENN/MADD domain containing 2D	ENSG00000162777	U
DENND4C	DENN/MADD domain containing 4C	ENSG00000137145	U
DENND5A	DENN/MADD domain containing 5A	ENSG00000184014	U
DENR	density-regulated protein	ENSG00000139726	U
DEPDC1B	DEP domain containing 1B	ENSG00000035499	U
DEPDC4	DEP domain containing 4	ENSG00000166153	D
DEPDC7	DEP domain containing 7	ENSG00000121690	D
DERA	deoxyribose-phosphate aldolase (putative)	ENSG00000023697	U
DERL1	derlin 1	ENSG00000136986	U
DERL2	derlin 2	ENSG00000072849	U
DESI2	desumoylating isopeptidase 2	ENSG00000121644	U
DEXI	Dexi homolog (mouse)	ENSG00000182108	U
DFNB31	deafness, autosomal recessive 31	ENSG00000095397	D
DGAT2	diacylglycerol O-acyltransferase 2	ENSG00000062282	D
DGCR2	DiGeorge syndrome critical region gene 2	ENSG00000070413	U
DGCR6L	DiGeorge syndrome critical region gene 6-like	ENSG00000128185	U
DGCR8	DiGeorge syndrome critical region gene 8	ENSG00000128191	U
DGKE	diacylglycerol kinase, epsilon 64kDa	ENSG00000153933	D
DGKG	diacylglycerol kinase, gamma 90kDa	ENSG00000058866	D
DGKH	diacylglycerol kinase, eta	ENSG00000102780	D
DGKZ	diacylglycerol kinase, zeta	ENSG00000149091	D
DGUOK	deoxyguanosine kinase	ENSG00000114956	U

DHCR24	24-dehydrocholesterol reductase	ENSG00000116133	U
DHH	desert hedgehog	ENSG00000139549	D
DHODH	dihydroorotate dehydrogenase (quinone)	ENSG00000102967	D
DHPS	deoxyhypusine synthase	ENSG00000095059	U
DHRS1	dehydrogenase/reductase (SDR family) member 1	ENSG00000157379	U
DHRS3	dehydrogenase/reductase (SDR family) member 3	ENSG00000162496	U
DHRS7	dehydrogenase/reductase (SDR family) member 7	ENSG00000100612	U
DHRS7B	dehydrogenase/reductase (SDR family) member 7B	ENSG00000109016	U
DHX15	DEAH (Asp-Glu-Ala-His) box polypeptide 15	ENSG00000109606	U
DHX16	DEAH (Asp-Glu-Ala-His) box polypeptide 16	ENSG00000204560	U
DHX29	DEAH (Asp-Glu-Ala-His) box polypeptide 29	ENSG00000067248	U
DHX30	DEAH (Asp-Glu-Ala-His) box polypeptide 30	ENSG00000132153	U
DHX32	DEAH (Asp-Glu-Ala-His) box polypeptide 32	ENSG00000089876	U
DHX33	DEAH (Asp-Glu-Ala-His) box polypeptide 33	ENSG00000005100	U
DHX36	DEAH (Asp-Glu-Ala-His) box polypeptide 36	ENSG00000174953	U
DHX38	DEAH (Asp-Glu-Ala-His) box polypeptide 38	ENSG00000140829	U
DIABLO	diablo, IAP-binding mitochondrial protein	ENSG00000184047	U
DIAPH1	diaphanous homolog 1 (Drosophila)	ENSG00000131504	U
DIAPH2	diaphanous homolog 2 (Drosophila)	ENSG00000147202	U
DIEXF	digestive organ expansion factor homolog (zebrafish)	ENSG00000117597	D
DIMT1	DIM1 dimethyladenosine transferase 1 homolog (S. cerevisiae)	ENSG00000086189	U
DIP2B	DIP2 disco-interacting protein 2 homolog B (Drosophila)	ENSG00000066084	U
DIRAS1	DIRAS family, GTP-binding RAS-like 1	ENSG00000176490	D
DIRAS2	DIRAS family, GTP-binding RAS-like 2	ENSG00000165023	D
DIRAS3	DIRAS family, GTP-binding RAS-like 3	ENSG00000162595	D
DISP2	dispatched homolog 2 (Drosophila)	ENSG00000140323	D
DKC1	dyskeratosis congenita 1, dyskerin	ENSG00000130826	U
DKK1	dickkopf 1 homolog (Xenopus laevis)	ENSG00000107984	U
DKK2	dickkopf 2 homolog (Xenopus laevis)	ENSG00000155011	D
DKK4	dickkopf homolog 4 (Xenopus laevis)	ENSG00000104371	D

DLEC1	deleted in lung and esophageal cancer 1	ENSG00000008226	D
DLEU7	deleted in lymphocytic leukemia, 7	ENSG00000186047	D
DLG5	discs, large homolog 5 (Drosophila)	ENSG00000151208	U
DLGAP1	discs, large (Drosophila) homolog-associated protein 1	ENSG00000170579	D
DLL3	delta-like 3 (Drosophila)	ENSG00000090932	D
DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	ENSG00000119689	U
DLX1	distal-less homeobox 1	ENSG00000144355	D
DLX2	distal-less homeobox 2	ENSG00000115844	D
DLX3	distal-less homeobox 3	ENSG00000064195	U
DLX5	distal-less homeobox 5	ENSG00000105880	U
DMAP1	DNA methyltransferase 1 associated protein 1	ENSG00000178028	U
DMBT1	deleted in malignant brain tumors 1	ENSG00000187908	D
DMC1	DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast)	ENSG00000100206	D
DMD	dystrophin	ENSG00000198947	D
DMGDH	dimethylglycine dehydrogenase	ENSG00000132837	D
DMP1	dentin matrix acidic phosphoprotein 1	ENSG00000152592	D
DMRT2	doublesex and mab-3 related transcription factor 2	ENSG00000173253	D
DMRT3	doublesex and mab-3 related transcription factor 3	ENSG00000064218	D
DMRTB1	DMRT-like family B with proline-rich C-terminal, 1	ENSG00000143006	D
DMWD	dystrophia myotonica, WD repeat containing	ENSG00000185800	U
DNAAF3	dynein, axonemal, assembly factor 3	ENSG00000167646	D
DNAH11	dynein, axonemal, heavy chain 11	ENSG00000105877	D
DNAH17	dynein, axonemal, heavy chain 17	ENSG00000187775	D
DNAH5	dynein, axonemal, heavy chain 5	ENSG00000039139	D
DNAH7	dynein, axonemal, heavy chain 7	ENSG00000118997	D
DNAH9	dynein, axonemal, heavy chain 9	ENSG00000007174	D
DNAI1	dynein, axonemal, intermediate chain 1	ENSG00000122735	D
DNAI2	dynein, axonemal, intermediate chain 2	ENSG00000171595	D

DNAJA3	DnaJ (Hsp40) homolog, subfamily A, member 3	ENSG00000103423	U
DNAJB1	DnaJ (Hsp40) homolog, subfamily B, member 1	ENSG00000132002	U
DNAJB5	DnaJ (Hsp40) homolog, subfamily B, member 5	ENSG00000137094	D
DNAJB6	DnaJ (Hsp40) homolog, subfamily B, member 6	ENSG00000105993	U
DNAJB7	DnaJ (Hsp40) homolog, subfamily B, member 7	ENSG00000172404	D
DNAJB8	DnaJ (Hsp40) homolog, subfamily B, member 8	ENSG00000179407	D
DNAJC12	DnaJ (Hsp40) homolog, subfamily C, member 12	ENSG00000108176	D
DNAJC14	DnaJ (Hsp40) homolog, subfamily C, member 14	ENSG00000135392	U
DNAJC18	DnaJ (Hsp40) homolog, subfamily C, member 18	ENSG00000170464	D
DNAJC22	DnaJ (Hsp40) homolog, subfamily C, member 22	ENSG00000178401	D
DNAJC3	DnaJ (Hsp40) homolog, subfamily C, member 3	ENSG00000102580	U
DNAJC5B	DnaJ (Hsp40) homolog, subfamily C, member 5 beta	ENSG00000147570	D
DNAJC6	DnaJ (Hsp40) homolog, subfamily C, member 6	ENSG00000116675	D
DNAJC7	DnaJ (Hsp40) homolog, subfamily C, member 7	ENSG00000168259	U
DNAJC9	DnaJ (Hsp40) homolog, subfamily C, member 9	ENSG00000213551	U
DNAL4	dynein, axonemal, light chain 4	ENSG00000100246	U
DNASE1L2	deoxyribonuclease I-like 2	ENSG00000167968	D
DNASE2	deoxyribonuclease II, lysosomal	ENSG00000105612	U
DNER	delta/notch-like EGF repeat containing	ENSG00000187957	D
DNM1P46	DNM1 pseudogene 46	NA	U
DNM2	dynamain 2	ENSG00000079805	U
DNM3	dynamain 3	ENSG00000197959	D
DNMBP	dynamain binding protein	ENSG00000107554	D
DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha	ENSG00000119772	D
DNMT3B	DNA (cytosine-5-)-methyltransferase 3 beta	ENSG00000088305	D
DNPEP	aspartyl aminopeptidase	ENSG00000123992	U
DNTT	deoxynucleotidyltransferase, terminal	ENSG00000107447	D
DNTTIP1	deoxynucleotidyltransferase, terminal, interacting protein 1	ENSG00000101457	U
DNTTIP2	deoxynucleotidyltransferase, terminal, interacting protein 2	ENSG00000067334	D
DOC2A	double C2-like domains, alpha	ENSG00000149927	D

DOC2B	double C2-like domains, beta	NA	D
DOCK1	dedicator of cytokinesis 1	ENSG00000150760	U
DOCK11	dedicator of cytokinesis 11	ENSG00000147251	U
DOCK3	dedicator of cytokinesis 3	ENSG00000088538	D
DOCK4	dedicator of cytokinesis 4	ENSG00000128512	D
DOCK7	dedicator of cytokinesis 7	ENSG00000116641	U
DOCK8	dedicator of cytokinesis 8	ENSG00000107099	U
DOCK9	dedicator of cytokinesis 9	ENSG00000088387	U
DOK3	docking protein 3	ENSG00000146094	D
DOK5	docking protein 5	ENSG00000101134	D
DOK7	docking protein 7	ENSG00000175920	D
DOLK	dolichol kinase	ENSG00000175283	U
DOT1L	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	ENSG00000104885	D
DPEP1	dipeptidase 1 (renal)	ENSG00000015413	D
DPEP2	dipeptidase 2	ENSG00000167261	U
DPEP3	dipeptidase 3	ENSG00000141096	D
DPF2	D4, zinc and double PHD fingers family 2	ENSG00000133884	U
DPF3	D4, zinc and double PHD fingers, family 3	ENSG00000205683	D
DPH3	DPH3, KTI11 homolog (<i>S. cerevisiae</i>)	ENSG00000154813	U
DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	ENSG00000000419	U
DPM3	dolichyl-phosphate mannosyltransferase polypeptide 3	ENSG00000179085	U
DPP10	dipeptidyl-peptidase 10 (non-functional)	ENSG00000175497	D
DPP4	dipeptidyl-peptidase 4	ENSG00000197635	U
DPP9	dipeptidyl-peptidase 9	ENSG00000142002	U
DPPA2	developmental pluripotency associated 2	ENSG00000163530	D
DPPA3	developmental pluripotency associated 3	ENSG00000187569	D
DPPA5	developmental pluripotency associated 5	ENSG00000203909	D
DPY19L2	dpy-19-like 2 (<i>C. elegans</i>)	ENSG00000177990	D
DPY19L2P2	dpy-19-like 2 pseudogene 2 (<i>C. elegans</i>)	NA	D
DPY30	dpy-30 homolog (<i>C. elegans</i>)	ENSG00000162961	U

DPYSL3	dihydropyrimidinase-like 3	ENSG00000113657	U
DPYSL4	dihydropyrimidinase-like 4	ENSG00000151640	D
DPYSL5	dihydropyrimidinase-like 5	ENSG00000157851	D
DQX1	DEAQ box RNA-dependent ATPase 1	ENSG00000144045	D
DRAM1	DNA-damage regulated autophagy modulator 1	ENSG00000136048	U
DRAXIN	dorsal inhibitory axon guidance protein	ENSG00000162490	D
DRD1	dopamine receptor D1	ENSG00000184845	D
DRD2	dopamine receptor D2	ENSG00000149295	D
DRD3	dopamine receptor D3	ENSG00000151577	D
DRD5	dopamine receptor D5	ENSG00000169676	D
DRG1	developmentally regulated GTP binding protein 1	ENSG00000185721	U
DRG2	developmentally regulated GTP binding protein 2	ENSG00000108591	U
DROSHA	drosha, ribonuclease type III	ENSG00000113360	U
DRP2	dystrophin related protein 2	ENSG00000102385	D
DSC1	desmocollin 1	ENSG00000134765	D
DSC2	desmocollin 2	ENSG00000134755	U
DSCAML1	Down syndrome cell adhesion molecule like 1	ENSG00000177103	D
DSCR3	Down syndrome critical region gene 3	ENSG00000157538	U
DSCR9	Down syndrome critical region gene 9 (non-protein coding)	NA	D
DSE	dermatan sulfate epimerase	ENSG00000111817	U
DSG4	desmoglein 4	ENSG00000175065	D
DSP	desmoplakin	ENSG00000096696	U
DSPP	dentin sialophosphoprotein	ENSG00000152591	D
DSTN	destrin (actin depolymerizing factor)	ENSG00000125868	U
DTWD2	DTW domain containing 2	ENSG00000169570	D
DTX1	deltex homolog 1 (Drosophila)	ENSG00000135144	D
DUOX2	dual oxidase 2	ENSG00000140279	D
DUS1L	dihydrouridine synthase 1-like (S. cerevisiae)	ENSG00000169718	U
DUS2L	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	ENSG00000167264	U
DUSP10	dual specificity phosphatase 10	ENSG00000143507	D

DUSP11	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)	ENSG00000144048	U
DUSP12	dual specificity phosphatase 12	ENSG00000081721	U
DUSP14	dual specificity phosphatase 14	ENSG00000161326	U
DUSP15	dual specificity phosphatase 15	ENSG00000149599	D
DUSP16	dual specificity phosphatase 16	ENSG00000111266	U
DUSP2	dual specificity phosphatase 2	ENSG00000158050	D
DUSP22	dual specificity phosphatase 22	NA	U
DUSP23	dual specificity phosphatase 23	ENSG00000158716	U
DUSP4	dual specificity phosphatase 4	ENSG00000120875	U
DUSP7	dual specificity phosphatase 7	ENSG00000164086	D
DVL2	dishevelled, dsh homolog 2 (Drosophila)	ENSG00000004975	U
DYM	dymeclin	ENSG00000141627	U
DYNC1I1	dynein, cytoplasmic 1, intermediate chain 1	ENSG00000158560	D
DYNC1I2	dynein, cytoplasmic 1, intermediate chain 2	ENSG00000077380	U
DYNLL2	dynein, light chain, LC8-type 2	ENSG00000121083	U
DYNLRB1	dynein, light chain, roadblock-type 1	ENSG00000125971	U
DYNLT1	dynein, light chain, Tctex-type 1	ENSG00000146425	U
DYNLT3	dynein, light chain, Tctex-type 3	ENSG00000165169	U
DYX1C1	dyslexia susceptibility 1 candidate 1	ENSG00000256061	D
DZIP1	DAZ interacting protein 1	ENSG00000134874	D
DZIP3	DAZ interacting protein 3, zinc finger	ENSG00000198919	D
E2F2	E2F transcription factor 2	ENSG00000007968	U
E2F3	E2F transcription factor 3	ENSG00000112242	U
E2F4	E2F transcription factor 4, p107/p130-binding	ENSG00000205250	U
E2F7	E2F transcription factor 7	ENSG00000165891	D
E4F1	E4F transcription factor 1	ENSG00000167967	U
ELF1	ELL associated factor 1	ENSG00000144597	U
ELF2	ELL associated factor 2	ENSG00000145088	D
EAPP	E2F-associated phosphoprotein	ENSG00000129518	U
ECE2	endothelin converting enzyme 2	ENSG00000145194	D

ECEL1	endothelin converting enzyme-like 1	ENSG00000171551	D
ECHDC1	enoyl CoA hydratase domain containing 1	ENSG00000093144	D
ECHDC2	enoyl CoA hydratase domain containing 2	ENSG00000121310	U
ECHS1	enoyl CoA hydratase, short chain, 1, mitochondrial	ENSG00000127884	U
ECI1	enoyl-CoA delta isomerase 1	ENSG00000167969	U
ECM1	extracellular matrix protein 1	ENSG00000143369	U
ECM2	extracellular matrix protein 2, female organ and adipocyte specific	ENSG00000106823	D
ECT2	epithelial cell transforming sequence 2 oncogene	ENSG00000114346	D
EDA	ectodysplasin A	ENSG00000158813	D
EDAR	ectodysplasin A receptor	ENSG00000135960	D
EDC4	enhancer of mRNA decapping 4	ENSG00000038358	U
EDDM3A	epididymal protein 3A	ENSG00000181562	D
EDDM3B	epididymal protein 3B	ENSG00000181552	D
EDEM1	ER degradation enhancer, mannosidase alpha-like 1	ENSG00000134109	U
EDEM2	ER degradation enhancer, mannosidase alpha-like 2	ENSG00000088298	U
EDF1	endothelial differentiation-related factor 1	ENSG00000107223	U
EDIL3	EGF-like repeats and discoidin I-like domains 3	ENSG00000164176	D
EDN1	endothelin 1	ENSG00000078401	U
EDN2	endothelin 2	ENSG00000127129	D
EDN3	endothelin 3	ENSG00000124205	D
EEF1B2	eukaryotic translation elongation factor 1 beta 2	ENSG00000114942	U
EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	ENSG00000104529	U
EEF2K	eukaryotic elongation factor-2 kinase	ENSG00000103319	U
EFCAB1	EF-hand calcium binding domain 1	ENSG00000034239	D
EFCAB11	EF-hand calcium binding domain 11	ENSG00000140025	D
EFCAB13	EF-hand calcium binding domain 13	ENSG00000178852	D
EFCAB2	EF-hand calcium binding domain 2	ENSG00000203666	D
EFCAB3	EF-hand calcium binding domain 3	ENSG00000172421	D
EFCAB4B	EF-hand calcium binding domain 4B	ENSG00000130038	D

EFCAB6	EF-hand calcium binding domain 6	ENSG00000186976	D
EFCAB7	EF-hand calcium binding domain 7	ENSG00000203965	D
EFEMP1	EGF containing fibulin-like extracellular matrix protein 1	ENSG00000115380	U
EFEMP2	EGF containing fibulin-like extracellular matrix protein 2	ENSG00000172638	U
EFHA1	EF-hand domain family, member A1	ENSG00000165487	U
EFHC2	EF-hand domain (C-terminal) containing 2	ENSG00000183690	D
EFNA2	ephrin-A2	ENSG00000099617	D
EFNA5	ephrin-A5	ENSG00000184349	D
EFNB1	ephrin-B1	ENSG00000090776	U
EFNB2	ephrin-B2	ENSG00000125266	U
EFNB3	ephrin-B3	ENSG00000108947	D
EFR3A	EFR3 homolog A (<i>S. cerevisiae</i>)	ENSG00000132294	U
EFS	embryonal Fyn-associated substrate	ENSG00000100842	U
EFTUD2	elongation factor Tu GTP binding domain containing 2	ENSG00000108883	U
EGFL6	EGF-like-domain, multiple 6	ENSG00000198759	U
EGFL7	EGF-like-domain, multiple 7	ENSG00000172889	U
EGFL8	EGF-like-domain, multiple 8	ENSG00000258388	D
EGFR	epidermal growth factor receptor	ENSG00000146648	U
EGLN2	egl nine homolog 2 (<i>C. elegans</i>)	ENSG00000171570	U
EGR1	early growth response 1	ENSG00000120738	U
EGR3	early growth response 3	ENSG00000179388	D
EGR4	early growth response 4	ENSG00000135625	D
EHBP1	EH domain binding protein 1	ENSG00000115504	U
EHD2	EH-domain containing 2	ENSG00000024422	U
EHD4	EH-domain containing 4	ENSG00000103966	U
EHF	ets homologous factor	ENSG00000135373	D
EI24	etoposide induced 2.4 mRNA	ENSG00000149547	U
EID2	EP300 interacting inhibitor of differentiation 2	ENSG00000176396	U
EID2B	EP300 interacting inhibitor of differentiation 2B	ENSG00000176401	D
EID3	EP300 interacting inhibitor of differentiation 3	ENSG00000255150	D

EIF1AX	eukaryotic translation initiation factor 1A, X-linked	ENSG00000173674	U
EIF1AY	eukaryotic translation initiation factor 1A, Y-linked	ENSG00000198692	D
EIF1B	eukaryotic translation initiation factor 1B	ENSG00000114784	U
EIF2A	eukaryotic translation initiation factor 2A, 65kDa	ENSG00000144895	U
EIF2AK1	eukaryotic translation initiation factor 2-alpha kinase 1	ENSG00000086232	U
EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2	ENSG00000055332	U
EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4	ENSG00000128829	U
EIF2B1	eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa	ENSG00000111361	U
EIF2B2	eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa	ENSG00000119718	U
EIF2B4	eukaryotic translation initiation factor 2B, subunit 4 delta, 67kDa	ENSG00000115211	U
EIF2B5	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa	ENSG00000145191	U
EIF2C2	eukaryotic translation initiation factor 2C, 2	ENSG00000123908	U
EIF3A	eukaryotic translation initiation factor 3, subunit A	ENSG00000107581	U
EIF3B	eukaryotic translation initiation factor 3, subunit B	ENSG00000106263	U
EIF3H	eukaryotic translation initiation factor 3, subunit H	ENSG00000147677	U
EIF3J	eukaryotic translation initiation factor 3, subunit J	ENSG00000104131	U
EIF4E	eukaryotic translation initiation factor 4E	ENSG00000151247	D
EIF4E2	eukaryotic translation initiation factor 4E family member 2	ENSG00000135930	U
EIF4ENIF1	eukaryotic translation initiation factor 4E nuclear import factor 1	ENSG00000184708	U
EIF4G1	eukaryotic translation initiation factor 4 gamma, 1	ENSG00000114867	U
EIF4H	eukaryotic translation initiation factor 4H	ENSG00000106682	U
EIF5A2	eukaryotic translation initiation factor 5A2	ENSG00000163577	D
EIF6	eukaryotic translation initiation factor 6	ENSG00000242372	U
ELAVL3	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C)	ENSG00000196361	D
ELF1	E74-like factor 1 (ets domain transcription factor)	ENSG00000120690	U
ELF3	E74-like factor 3 (ets domain transcription factor, epithelial-specific)	ENSG00000163435	U
ELF4	E74-like factor 4 (ets domain transcription factor)	ENSG00000102034	U
ELK1	ELK1, member of ETS oncogene family	ENSG00000126767	U
ELK4	ELK4, ETS-domain protein (SRF accessory protein 1)	ENSG00000158711	D

ELL	elongation factor RNA polymerase II	ENSG00000105656	U
ELL2	elongation factor, RNA polymerase II, 2	ENSG00000118985	U
ELMO3	engulfment and cell motility 3	ENSG00000102890	U
ELMOD2	ELMO/CED-12 domain containing 2	ENSG00000179387	U
ELN	elastin	ENSG00000049540	D
ELOF1	elongation factor 1 homolog (S. cerevisiae)	ENSG00000130165	U
ELOVL1	ELOVL fatty acid elongase 1	ENSG00000066322	U
ELOVL5	ELOVL fatty acid elongase 5	ENSG00000012660	U
ELP2	elongator acetyltransferase complex subunit 2	ENSG00000134759	U
ELP3	elongator acetyltransferase complex subunit 3	ENSG00000134014	U
EMB	embigin	ENSG00000170571	D
EMC1	ER membrane protein complex subunit 1	ENSG00000127463	U
EMC3	ER membrane protein complex subunit 3	ENSG00000125037	U
EMC6	ER membrane protein complex subunit 6	ENSG00000127774	U
EMC7	ER membrane protein complex subunit 7	ENSG00000134153	U
EMCN	endomucin	ENSG00000164035	D
EMD	emerin	ENSG00000102119	U
EMG1	EMG1 nucleolar protein homolog (S. cerevisiae)	NA	U
EMID1	EMI domain containing 1	ENSG00000186998	D
EMILIN1	elastin microfibril interfacer 1	ENSG00000138080	D
EMILIN2	elastin microfibril interfacer 2	ENSG00000132205	U
EMILIN3	elastin microfibril interfacer 3	ENSG00000183798	D
EML2	echinoderm microtubule associated protein like 2	ENSG00000125746	U
EML3	echinoderm microtubule associated protein like 3	ENSG00000149499	U
EMP1	epithelial membrane protein 1	ENSG00000134531	U
EMP2	epithelial membrane protein 2	ENSG00000213853	D
EMP3	epithelial membrane protein 3	ENSG00000142227	U
EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	ENSG00000174837	D
EMR3	egf-like module containing, mucin-like, hormone receptor-like 3	ENSG00000131355	D
EMX2	empty spiracles homeobox 2	ENSG00000170370	D

EN1	engrailed homeobox 1	ENSG00000163064	D
EN2	engrailed homeobox 2	ENSG00000164778	D
ENAH	enabled homolog (Drosophila)	ENSG00000154380	D
ENAM	enamelin	ENSG00000132464	D
ENKUR	enkurin, TRPC channel interacting protein	ENSG00000151023	D
ENOPH1	enolase-phosphatase 1	ENSG00000145293	U
ENOSF1	enolase superfamily member 1	ENSG00000132199	U
ENOX1	ecto-NOX disulfide-thiol exchanger 1	ENSG00000120658	D
ENOX2	ecto-NOX disulfide-thiol exchanger 2	ENSG00000165675	D
ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2	ENSG00000136960	U
ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	ENSG00000154269	D
ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	ENSG00000138185	U
ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2	ENSG00000054179	D
ENTPD3	ectonucleoside triphosphate diphosphohydrolase 3	ENSG00000168032	D
EOMES	eomesodermin	ENSG00000163508	D
EP300	E1A binding protein p300	ENSG00000100393	U
EP400NL	EP400 N-terminal like	NA	D
EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)	ENSG00000159023	D
EPGN	epithelial mitogen homolog (mouse)	ENSG00000182585	D
EPHA10	EPH receptor A10	ENSG00000183317	D
EPHA2	EPH receptor A2	ENSG00000142627	U
EPHA4	EPH receptor A4	ENSG00000116106	D
EPHA5	EPH receptor A5	ENSG00000145242	D
EPHA7	EPH receptor A7	ENSG00000135333	D
EPHB4	EPH receptor B4	ENSG00000196411	U
EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	ENSG00000112425	D
EPPIN	epididymal peptidase inhibitor	ENSG00000101448	D
EPRS	glutamyl-prolyl-tRNA synthetase	ENSG00000136628	U
EPS8L1	EPS8-like 1	ENSG00000131037	U
EPS8L2	EPS8-like 2	ENSG00000177106	D

EPS8L3	EPS8-like 3	ENSG00000198758	D
EPSTI1	epithelial stromal interaction 1 (breast)	ENSG00000133106	U
EPYC	epiphycan	ENSG00000083782	D
EQTN	equatorin, sperm acrosome associated	ENSG00000120160	D
ERAL1	Era G-protein-like 1 (E. coli)	ENSG00000132591	U
ERAP1	endoplasmic reticulum aminopeptidase 1	ENSG00000164307	D
ERAP2	endoplasmic reticulum aminopeptidase 2	ENSG00000164308	U
ERAS	ES cell expressed Ras	ENSG00000187682	D
ERC2	ELKS/RAB6-interacting/CAST family member 2	ENSG00000187672	D
ERCC4	excision repair cross-complementing rodent repair deficiency, complementation group 4	ENSG00000175595	D
ERCC5	excision repair cross-complementing rodent repair deficiency, complementation group 5	ENSG00000134899	U
ERCC6L2	excision repair cross-complementing rodent repair deficiency, complementation group 6-like 2	ENSG00000182150	D
ERCC8	excision repair cross-complementing rodent repair deficiency, complementation group 8	ENSG00000049167	D
EREG	epiregulin	ENSG00000124882	D
ERGIC1	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1	ENSG00000113719	U
ERGIC3	ERGIC and golgi 3	ENSG00000125991	U
ERH	enhancer of rudimentary homolog (Drosophila)	ENSG00000100632	U
ERI2	ERI1 exoribonuclease family member 2	ENSG00000196678	D
ERLIN1	ER lipid raft associated 1	ENSG00000107566	U
ERMN	ermin, ERM-like protein	ENSG00000136541	D
ERMP1	endoplasmic reticulum metalloproteinase 1	ENSG00000099219	U
ERN2	endoplasmic reticulum to nucleus signaling 2	ENSG00000134398	D
ERO1L	ERO1-like (S. cerevisiae)	ENSG00000197930	U
ERO1LB	ERO1-like beta (S. cerevisiae)	ENSG00000086619	D
ERP29	endoplasmic reticulum protein 29	ENSG00000089248	D
ERVFRD-1	endogenous retrovirus group FRD, member 1	ENSG00000244476	U

ESAM	endothelial cell adhesion molecule	ENSG00000149564	U
ESD	esterase D	ENSG00000139684	U
ESPNL	espin-like	ENSG00000144488	D
ESR1	estrogen receptor 1	ENSG00000091831	D
ESR2	estrogen receptor 2 (ER beta)	ENSG00000140009	D
ESRP2	epithelial splicing regulatory protein 2	ENSG00000103067	D
ESRRA	estrogen-related receptor alpha	ENSG00000173153	U
ESRRB	estrogen-related receptor beta	ENSG00000119715	D
ESX1	ESX homeobox 1	ENSG00000123576	D
ESYT1	extended synaptotagmin-like protein 1	ENSG00000139641	U
ESYT3	extended synaptotagmin-like protein 3	ENSG00000158220	D
ETAA1	Ewing tumor-associated antigen 1	ENSG00000143971	D
ETF1	eukaryotic translation termination factor 1	ENSG00000120705	U
ETFB	electron-transfer-flavoprotein, beta polypeptide	ENSG00000105379	U
ETFDH	electron-transferring-flavoprotein dehydrogenase	ENSG00000171503	U
ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	ENSG00000134954	U
ETV1	ets variant 1	ENSG00000006468	D
ETV3L	ets variant 3-like	ENSG00000253831	D
ETV5	ets variant 5	ENSG00000244405	U
EVC	Ellis van Creveld syndrome	ENSG00000072840	D
EVC2	Ellis van Creveld syndrome 2	ENSG00000173040	D
EVI5L	ecotropic viral integration site 5-like	ENSG00000142459	U
EVL	Enah/Vasp-like	ENSG00000196405	U
EXOC1	exocyst complex component 1	ENSG00000090989	U
EXOC3	exocyst complex component 3	ENSG00000180104	U
EXOC3L1	exocyst complex component 3-like 1	ENSG00000179044	D
EXOC3L2	exocyst complex component 3-like 2	ENSG00000130201	D
EXOC8	exocyst complex component 8	ENSG00000116903	U
EXOG	endo/exonuclease (5'-3'), endonuclease G-like	ENSG00000157036	D
EXOSC10	exosome component 10	ENSG00000171824	U

EXOSC3	exosome component 3	ENSG00000107371	U
EXOSC6	exosome component 6	ENSG00000223496	U
EXOSC7	exosome component 7	ENSG00000075914	U
EXOSC8	exosome component 8	ENSG00000120699	U
EXT1	exostosin 1	ENSG00000182197	U
EXT2	exostosin 2	ENSG00000151348	U
EXTL2	exostoses (multiple)-like 2	ENSG00000162694	U
EYA1	eyes absent homolog 1 (Drosophila)	ENSG00000104313	D
EYA3	eyes absent homolog 3 (Drosophila)	ENSG00000158161	D
EYA4	eyes absent homolog 4 (Drosophila)	ENSG00000112319	D
F11	coagulation factor XI	ENSG00000088926	D
F11R	F11 receptor	ENSG00000158769	U
F12	coagulation factor XII (Hageman factor)	ENSG00000131187	D
F2	coagulation factor II (thrombin)	ENSG00000180210	D
F2RL2	coagulation factor II (thrombin) receptor-like 2	ENSG00000164220	D
F5	coagulation factor V (proaccelerin, labile factor)	ENSG00000198734	U
F7	coagulation factor VII (serum prothrombin conversion accelerator)	ENSG00000057593	D
F8	coagulation factor VIII, procoagulant component	ENSG00000185010	D
FA2H	fatty acid 2-hydroxylase	ENSG00000103089	D
FAAH2	fatty acid amide hydrolase 2	ENSG00000165591	D
FABP1	fatty acid binding protein 1, liver	ENSG00000163586	D
FABP2	fatty acid binding protein 2, intestinal	ENSG00000145384	D
FABP5	fatty acid binding protein 5 (psoriasis-associated)	ENSG00000164687	D
FABP6	fatty acid binding protein 6, ileal	ENSG00000170231	D
FADD	Fas (TNFRSF6)-associated via death domain	ENSG00000168040	U
FADS3	fatty acid desaturase 3	ENSG00000221968	U
FADS6	fatty acid desaturase domain family, member 6	ENSG00000172782	D
FAM100A	family with sequence similarity 100, member A	ENSG00000153443	U
FAM100B	family with sequence similarity 100, member B	ENSG00000185262	U
FAM104A	family with sequence similarity 104, member A	ENSG00000133193	U

FAM107B	family with sequence similarity 107, member B	ENSG00000065809	U
FAM108A1	family with sequence similarity 108, member A1	ENSG00000129968	D
FAM110A	family with sequence similarity 110, member A	ENSG00000125898	U
FAM110D	family with sequence similarity 110, member D	ENSG00000197245	D
FAM111B	family with sequence similarity 111, member B	ENSG00000189057	D
FAM117A	family with sequence similarity 117, member A	ENSG00000121104	D
FAM117B	family with sequence similarity 117, member B	ENSG00000138439	U
FAM120A	family with sequence similarity 120A	ENSG00000048828	U
FAM120B	family with sequence similarity 120B	ENSG00000112584	U
FAM120C	family with sequence similarity 120C	ENSG00000184083	D
FAM123A	family with sequence similarity 123A	ENSG00000165566	D
FAM123C	family with sequence similarity 123C	ENSG00000178171	D
FAM125A	family with sequence similarity 125, member A	ENSG00000141971	U
FAM129C	family with sequence similarity 129, member C	ENSG00000167483	D
FAM131A	family with sequence similarity 131, member A	ENSG00000175182	U
FAM131B	family with sequence similarity 131, member B	ENSG00000159784	D
FAM131C	family with sequence similarity 131, member C	ENSG00000185519	D
FAM133A	family with sequence similarity 133, member A	ENSG00000179083	D
FAM135B	family with sequence similarity 135, member B	ENSG00000147724	D
FAM136A	family with sequence similarity 136, member A	ENSG00000035141	U
FAM13A	family with sequence similarity 13, member A	ENSG00000138640	U
FAM13B	family with sequence similarity 13, member B	ENSG00000031003	U
FAM13C	family with sequence similarity 13, member C	ENSG00000148541	D
FAM150A	family with sequence similarity 150, member A	ENSG00000196711	D
FAM151A	family with sequence similarity 151, member A	ENSG00000162391	D
FAM154A	family with sequence similarity 154, member A	ENSG00000155875	D
FAM154B	family with sequence similarity 154, member B	ENSG00000188659	D
FAM159A	family with sequence similarity 159, member A	ENSG00000182183	D
FAM160A2	family with sequence similarity 160, member A2	ENSG00000051009	U
FAM160B1	family with sequence similarity 160, member B1	ENSG00000151553	U

FAM160B2	family with sequence similarity 160, member B2	ENSG00000158863	U
FAM161B	family with sequence similarity 161, member B	ENSG00000156050	D
FAM163A	family with sequence similarity 163, member A	ENSG00000143340	D
FAM168B	family with sequence similarity 168, member B	ENSG00000152102	U
FAM169B	family with sequence similarity 169, member B	ENSG00000185087	D
FAM172A	family with sequence similarity 172, member A	ENSG00000113391	U
FAM173A	family with sequence similarity 173, member A	ENSG00000103254	U
FAM174A	family with sequence similarity 174, member A	ENSG00000174132	U
FAM175B	family with sequence similarity 175, member B	ENSG00000165660	U
FAM176B	family with sequence similarity 176, member B	ENSG00000142694	U
FAM180A	family with sequence similarity 180, member A	ENSG00000189320	D
FAM181A	family with sequence similarity 181, member A	ENSG00000140067	D
FAM181B	family with sequence similarity 181, member B	ENSG00000182103	D
FAM182A	family with sequence similarity 182, member A	NA	D
FAM184A	family with sequence similarity 184, member A	ENSG00000111879	U
FAM188A	family with sequence similarity 188, member A	ENSG00000148481	U
FAM189A2	family with sequence similarity 189, member A2	ENSG00000135063	D
FAM194A	family with sequence similarity 194, member A	ENSG00000163645	D
FAM195A	family with sequence similarity 195, member A	ENSG00000172366	U
FAM195B	family with sequence similarity 195, member B	ENSG00000225663	U
FAM196A	family with sequence similarity 196, member A	ENSG00000188916	D
FAM19A2	family with sequence similarity 19 (chemokine (C-C motif)-like), member A2	ENSG00000198673	D
FAM19A3	family with sequence similarity 19 (chemokine (C-C motif)-like), member A3	ENSG00000184599	D
FAM19A4	family with sequence similarity 19 (chemokine (C-C motif)-like), member A4	ENSG00000163377	D
FAM207A	family with sequence similarity 207, member A	ENSG00000160256	D
FAM209A	family with sequence similarity 209, member A	ENSG00000124103	D
FAM209B	family with sequence similarity 209, member B	ENSG00000213714	D

FAM20B	family with sequence similarity 20, member B	ENSG00000116199	U
FAM210B	family with sequence similarity 210, member B	ENSG00000124098	U
FAM213A	family with sequence similarity 213, member A	ENSG00000122378	U
FAM214B	family with sequence similarity 214, member B	ENSG00000005238	U
FAM216B	family with sequence similarity 216, member B	ENSG00000179813	D
FAM217A	family with sequence similarity 217, member A	ENSG00000145975	D
FAM217B	family with sequence similarity 217, member B	ENSG00000196227	U
FAM218A	family with sequence similarity 218, member A	ENSG00000250486	D
FAM221A	family with sequence similarity 221, member A	ENSG00000188732	D
FAM221B	family with sequence similarity 221, member B	ENSG00000204930	D
FAM227B	family with sequence similarity 227, member B	ENSG00000166262	D
FAM24A	family with sequence similarity 24, member A	ENSG00000203795	D
FAM24B	family with sequence similarity 24, member B	ENSG00000213185	D
FAM27L	family with sequence similarity 27-like	NA	D
FAM32A	family with sequence similarity 32, member A	ENSG00000105058	U
FAM3B	family with sequence similarity 3, member B	ENSG00000183844	D
FAM3C	family with sequence similarity 3, member C	ENSG00000196937	U
FAM40A	family with sequence similarity 40, member A	ENSG00000143093	U
FAM43A	family with sequence similarity 43, member A	ENSG00000185112	U
FAM45A	family with sequence similarity 45, member A	ENSG00000119979	U
FAM46C	family with sequence similarity 46, member C	ENSG00000183508	U
FAM47A	family with sequence similarity 47, member A	ENSG00000185448	D
FAM47C	family with sequence similarity 47, member C	ENSG00000198173	D
FAM49A	family with sequence similarity 49, member A	ENSG00000197872	U
FAM53C	family with sequence similarity 53, member C	ENSG00000120709	U
FAM54B	family with sequence similarity 54, member B	ENSG00000117640	U
FAM57B	family with sequence similarity 57, member B	ENSG00000149926	D
FAM58A	family with sequence similarity 58, member A	ENSG00000147382	U
FAM5B	family with sequence similarity 5, member B	ENSG00000198797	D
FAM5C	family with sequence similarity 5, member C	ENSG00000162670	D

FAM60A	family with sequence similarity 60, member A	ENSG00000139146	U
FAM63A	family with sequence similarity 63, member A	ENSG00000143409	U
FAM63B	family with sequence similarity 63, member B	ENSG00000128923	U
FAM64A	family with sequence similarity 64, member A	ENSG00000129195	D
FAM65A	family with sequence similarity 65, member A	ENSG00000039523	U
FAM65B	family with sequence similarity 65, member B	ENSG00000111913	U
FAM65C	family with sequence similarity 65, member C	ENSG00000042062	D
FAM70A	family with sequence similarity 70, member A	ENSG00000125355	D
FAM71B	family with sequence similarity 71, member B	ENSG00000170613	D
FAM71C	family with sequence similarity 71, member C	ENSG00000180219	D
FAM71D	family with sequence similarity 71, member D	ENSG00000172717	D
FAM75A2	family with sequence similarity 75, member A2	ENSG00000204848	D
FAM75E1	family with sequence similarity 75, member E1	ENSG00000177992	D
FAM78A	family with sequence similarity 78, member A	ENSG00000126882	D
FAM78B	family with sequence similarity 78, member B	ENSG00000188859	D
FAM81B	family with sequence similarity 81, member B	ENSG00000153347	D
FAM82A1	family with sequence similarity 82, member A1	ENSG00000115841	D
FAM82A2	family with sequence similarity 82, member A2	ENSG00000137824	U
FAM83A	family with sequence similarity 83, member A	ENSG00000147689	D
FAM83H	family with sequence similarity 83, member H	ENSG00000180921	U
FAM84A	family with sequence similarity 84, member A	ENSG00000162981	D
FAM84B	family with sequence similarity 84, member B	ENSG00000168672	U
FAM89A	family with sequence similarity 89, member A	ENSG00000182118	U
FAM89B	family with sequence similarity 89, member B	ENSG00000176973	U
FAM8A1	family with sequence similarity 8, member A1	ENSG00000137414	U
FAM90A1	family with sequence similarity 90, member A1	ENSG00000171847	D
FAM92B	family with sequence similarity 92, member B	ENSG00000153789	D
FAM96B	family with sequence similarity 96, member B	ENSG00000166595	U
FAM98A	family with sequence similarity 98, member A	ENSG00000119812	U
FAM9B	family with sequence similarity 9, member B	ENSG00000177138	D

FAM9C	family with sequence similarity 9, member C	ENSG00000187268	D
FAN1	FANCD2/FANCI-associated nuclease 1	ENSG00000198690	U
FANCA	Fanconi anemia, complementation group A	ENSG00000187741	D
FANCB	Fanconi anemia, complementation group B	ENSG00000181544	D
FANCC	Fanconi anemia, complementation group C	ENSG00000158169	D
FANCE	Fanconi anemia, complementation group E	ENSG00000112039	U
FANCF	Fanconi anemia, complementation group F	ENSG00000183161	D
FANCM	Fanconi anemia, complementation group M	ENSG00000187790	D
FANK1	fibronectin type III and ankyrin repeat domains 1	ENSG00000203780	D
FARSA	phenylalanyl-tRNA synthetase, alpha subunit	ENSG00000179115	U
FAS	Fas (TNF receptor superfamily, member 6)	ENSG00000026103	D
FASLG	Fas ligand (TNF superfamily, member 6)	ENSG00000117560	D
FASN	fatty acid synthase	ENSG00000169710	U
FAT1	FAT tumor suppressor homolog 1 (Drosophila)	ENSG00000083857	U
FAXC	failed axon connections homolog (Drosophila)	ENSG00000146267	D
FBL	fibrillarin	ENSG00000105202	U
FBLN2	fibulin 2	ENSG00000163520	U
FBLN7	fibulin 7	ENSG00000144152	U
FBP2	fructose-1,6-bisphosphatase 2	ENSG00000130957	D
FBRS	fibrosin	ENSG00000156860	U
FBXL13	F-box and leucine-rich repeat protein 13	ENSG00000161040	D
FBXL14	F-box and leucine-rich repeat protein 14	ENSG00000171823	D
FBXL16	F-box and leucine-rich repeat protein 16	ENSG00000127585	D
FBXL18	F-box and leucine-rich repeat protein 18	ENSG00000155034	D
FBXL21	F-box and leucine-rich repeat protein 21 (gene/pseudogene)	NA	D
FBXL22	F-box and leucine-rich repeat protein 22	ENSG00000259662	D
FBXL4	F-box and leucine-rich repeat protein 4	ENSG00000112234	D
FBXO15	F-box protein 15	ENSG00000141665	D
FBXO16	F-box protein 16	ENSG00000214050	D
FBXO17	F-box protein 17	ENSG00000104835	D

FBXO2	F-box protein 2	ENSG00000116661	D
FBXO21	F-box protein 21	ENSG00000135108	U
FBXO24	F-box protein 24	ENSG00000106336	D
FBXO31	F-box protein 31	ENSG00000103264	U
FBXO33	F-box protein 33	ENSG00000165355	U
FBXO36	F-box protein 36	ENSG00000153832	D
FBXO40	F-box protein 40	ENSG00000163833	D
FBXO44	F-box protein 44	ENSG00000132879	D
FBXO7	F-box protein 7	ENSG00000100225	U
FBXO8	F-box protein 8	ENSG00000164117	U
FBXW10	F-box and WD repeat domain containing 10	ENSG00000171931	D
FBXW4	F-box and WD repeat domain containing 4	ENSG00000107829	U
FCAMR	Fc receptor, IgA, IgM, high affinity	ENSG00000162897	D
FCAR	Fc fragment of IgA, receptor for	ENSG00000186431	D
FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	ENSG00000179639	D
FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	ENSG00000158869	U
FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23)	ENSG00000104921	D
FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	ENSG00000072694	U
FCHO1	FCH domain only 1	ENSG00000130475	D
FCHSD1	FCH and double SH3 domains 1	ENSG00000197948	D
FCHSD2	FCH and double SH3 domains 2	ENSG00000137478	U
FCN2	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)	ENSG00000160339	D
FCN3	ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)	ENSG00000142748	U
FCRL1	Fc receptor-like 1	ENSG00000163534	D
FCRL2	Fc receptor-like 2	ENSG00000132704	D
FCRL5	Fc receptor-like 5	ENSG00000143297	D
FDFT1	farnesyl-diphosphate farnesyltransferase 1	ENSG00000079459	U
FDXR	ferredoxin reductase	ENSG00000161513	U
FERMT3	fermitin family member 3	ENSG00000149781	U
FETUB	fetuin B	ENSG00000090512	D

FEV	FEV (ETS oncogene family)	ENSG00000163497	D
FFAR1	free fatty acid receptor 1	ENSG00000126266	D
FFAR2	free fatty acid receptor 2	ENSG00000126262	D
FGA	fibrinogen alpha chain	ENSG00000171560	D
FGB	fibrinogen beta chain	ENSG00000171564	D
FGD2	FYVE, RhoGEF and PH domain containing 2	ENSG00000146192	D
FGD3	FYVE, RhoGEF and PH domain containing 3	ENSG00000127084	U
FGD5	FYVE, RhoGEF and PH domain containing 5	ENSG00000154783	U
FGF1	fibroblast growth factor 1 (acidic)	ENSG00000113578	D
FGF10	fibroblast growth factor 10	ENSG00000070193	D
FGF11	fibroblast growth factor 11	ENSG00000161958	D
FGF12	fibroblast growth factor 12	ENSG00000114279	D
FGF14	fibroblast growth factor 14	ENSG00000102466	D
FGF18	fibroblast growth factor 18	ENSG00000156427	D
FGF19	fibroblast growth factor 19	ENSG00000162344	D
FGF2	fibroblast growth factor 2 (basic)	ENSG00000138685	D
FGF20	fibroblast growth factor 20	ENSG00000078579	D
FGF21	fibroblast growth factor 21	ENSG00000105550	D
FGF22	fibroblast growth factor 22	ENSG00000070388	D
FGF23	fibroblast growth factor 23	ENSG00000118972	D
FGF3	fibroblast growth factor 3	ENSG00000186895	D
FGF4	fibroblast growth factor 4	ENSG00000075388	D
FGF5	fibroblast growth factor 5	ENSG00000138675	D
FGF7	fibroblast growth factor 7	ENSG00000140285	D
FGF8	fibroblast growth factor 8 (androgen-induced)	ENSG00000107831	D
FGF9	fibroblast growth factor 9 (glia-activating factor)	ENSG00000102678	D
FGFBP2	fibroblast growth factor binding protein 2	ENSG00000137441	D
FGFR1	fibroblast growth factor receptor 1	ENSG00000077782	D
FGFR2	fibroblast growth factor receptor 2	ENSG00000066468	D
FGFR4	fibroblast growth factor receptor 4	ENSG00000160867	D

FH	fumarate hydratase	ENSG00000091483	U
FHIT	fragile histidine triad	ENSG00000189283	D
FHL2	four and a half LIM domains 2	ENSG00000115641	U
FIBIN	fin bud initiation factor homolog (zebrafish)	ENSG00000176971	D
FIBP	fibroblast growth factor (acidic) intracellular binding protein	ENSG00000172500	U
FIGF	c-fos induced growth factor (vascular endothelial growth factor D)	ENSG00000165197	D
FIS1	fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)	ENSG00000214253	U
FKBP11	FK506 binding protein 11, 19 kDa	ENSG00000134285	U
FKBP1A	FK506 binding protein 1A, 12kDa	ENSG00000088832	U
FKBP2	FK506 binding protein 2, 13kDa	ENSG00000173486	U
FKBP4	FK506 binding protein 4, 59kDa	ENSG00000004478	U
FKBP7	FK506 binding protein 7	ENSG00000079150	D
FKBP8	FK506 binding protein 8, 38kDa	ENSG00000105701	U
FKTN	fukutin	ENSG00000106692	D
FLG	filaggrin	ENSG00000143631	D
FLII	flightless I homolog (Drosophila)	ENSG00000177731	U
FLJ26850	FLJ26850 protein	NA	D
FLJ33360	FLJ33360 protein	NA	D
FLJ34503	uncharacterized FLJ34503	NA	D
FLJ40288	uncharacterized FLJ40288	NA	D
FLJ42393	uncharacterized LOC401105	NA	D
FLJ43860	FLJ43860 protein	ENSG00000226807	D
FLJ45340	uncharacterized LOC402483	NA	D
FLNA	filamin A, alpha	ENSG00000196924	U
FLNB	filamin B, beta	ENSG00000136068	U
FLOT1	flotillin 1	ENSG00000137312	U
FLRT1	fibronectin leucine rich transmembrane protein 1	ENSG00000126500	D
	fms-related tyrosine kinase 1 (vascular endothelial growth		
FLT1	factor/vascular permeability factor receptor)	ENSG00000102755	U
FLT3	fms-related tyrosine kinase 3	ENSG00000122025	D

FLVCR2	feline leukemia virus subgroup C cellular receptor family, member 2	ENSG00000119686	U
FMN2	formin 2	ENSG00000155816	D
FMNL3	formin-like 3	ENSG00000161791	D
FMO3	flavin containing monooxygenase 3	ENSG00000007933	D
FMO5	flavin containing monooxygenase 5	ENSG00000131781	D
FMR1	fragile X mental retardation 1	ENSG00000102081	D
FMR1NB	fragile X mental retardation 1 neighbor	ENSG00000176988	D
FN1	fibronectin 1	ENSG00000115414	U
FN3K	fructosamine 3 kinase	ENSG00000167363	D
FN3KRP	fructosamine 3 kinase related protein	ENSG00000141560	U
FNBP1	formin binding protein 1	ENSG00000187239	U
FNBP4	formin binding protein 4	ENSG00000109920	U
FNDC3A	fibronectin type III domain containing 3A	ENSG00000102531	U
FNDC4	fibronectin type III domain containing 4	ENSG00000115226	D
FNDC5	fibronectin type III domain containing 5	ENSG00000160097	D
FNDC7	fibronectin type III domain containing 7	ENSG00000143107	D
FNDC8	fibronectin type III domain containing 8	ENSG00000073598	D
FNDC9	fibronectin type III domain containing 9	ENSG00000172568	D
FNTA	farnesyltransferase, CAAX box, alpha	ENSG00000168522	U
FNTB	farnesyltransferase, CAAX box, beta	ENSG00000257365	U
FOLR1	folate receptor 1 (adult)	ENSG00000110195	U
FOLR2	folate receptor 2 (fetal)	ENSG00000165457	U
FOPNL	FGFR1OP N-terminal like	ENSG00000133393	U
FOSB	FBJ murine osteosarcoma viral oncogene homolog B	ENSG00000125740	U
FOXA1	forkhead box A1	ENSG00000129514	D
FOXA2	forkhead box A2	ENSG00000125798	D
FOXA3	forkhead box A3	ENSG00000170608	D
FOXB1	forkhead box B1	ENSG00000171956	D
FOXC1	forkhead box C1	ENSG00000054598	U
FOXD2	forkhead box D2	ENSG00000186564	D

FOXD3	forkhead box D3	ENSG00000187140	D
FOXD4	forkhead box D4	ENSG00000170122	D
FOXE1	forkhead box E1 (thyroid transcription factor 2)	ENSG00000178919	D
FOXE3	forkhead box E3	ENSG00000186790	D
FOXF2	forkhead box F2	NA	U
FOXH1	forkhead box H1	ENSG00000160973	D
FOXI1	forkhead box I1	ENSG00000168269	D
FOXJ1	forkhead box J1	ENSG00000129654	D
FOXJ2	forkhead box J2	ENSG00000065970	U
FOXJ3	forkhead box J3	ENSG00000198815	U
FOXK2	forkhead box K2	ENSG00000141568	D
FOXL1	forkhead box L1	ENSG00000176678	D
FOXL2	forkhead box L2	ENSG00000183770	D
FOXM1	forkhead box M1	ENSG00000111206	D
FOXN1	forkhead box N1	ENSG00000109101	D
FOXN2	forkhead box N2	ENSG00000170802	U
FOXN4	forkhead box N4	ENSG00000139445	D
FOXO1	forkhead box O1	ENSG00000150907	U
FOXO3	forkhead box O3	ENSG00000118689	U
FOXP2	forkhead box P2	ENSG00000128573	D
FOXP4	forkhead box P4	ENSG00000137166	D
FOXR1	forkhead box R1	ENSG00000176302	D
FPGS	folylpolyglutamate synthase	ENSG00000136877	D
FPGT	fucose-1-phosphate guanylyltransferase	ENSG00000254685	D
FPR1	formyl peptide receptor 1	ENSG00000171051	U
FRA10AC1	fragile site, folic acid type, rare, fra(10)(q23.3) or fra(10)(q24.2) candidate 1	ENSG00000148690	D
FRAT2	frequently rearranged in advanced T-cell lymphomas 2	ENSG00000181274	U
FRG1	FSHD region gene 1	ENSG00000109536	U
FRG2	FSHD region gene 2	ENSG00000205097	D

FRMD6	FERM domain containing 6	ENSG00000139926	U
FRMD8	FERM domain containing 8	ENSG00000126391	U
FRMPD2	FERM and PDZ domain containing 2	ENSG00000170324	D
FRMPD4	FERM and PDZ domain containing 4	ENSG00000169933	D
FRRS1L	ferric-chelate reductase 1-like	ENSG00000136805	D
FRYL	FRY-like	ENSG00000075539	D
FSCB	fibrous sheath CABYR binding protein	ENSG00000189139	D
FSCN2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)	ENSG00000186765	D
FSCN3	fascin homolog 3, actin-bundling protein, testicular (Strongylocentrotus purpuratus)	ENSG00000106328	D
FSD1	fibronectin type III and SPRY domain containing 1	ENSG00000105255	D
FSD1L	fibronectin type III and SPRY domain containing 1-like	ENSG00000106701	D
FSHB	follicle stimulating hormone, beta polypeptide	ENSG00000131808	D
FSHR	follicle stimulating hormone receptor	ENSG00000170820	D
FSIP1	fibrous sheath interacting protein 1	ENSG00000150667	D
FSIP2	fibrous sheath interacting protein 2	ENSG00000188738	D
FSTL5	folliculin-like 5	ENSG00000168843	D
FTCD	formiminotransferase cyclodeaminase	ENSG00000160282	D
FTH1	ferritin, heavy polypeptide 1	ENSG00000167996	U
FTHL17	ferritin, heavy polypeptide-like 17	ENSG00000132446	D
FTMT	ferritin mitochondrial	ENSG00000181867	D
FTSJD1	FtsJ methyltransferase domain containing 1	ENSG00000180917	U
FUCA2	fucosidase, alpha-L- 2, plasma	ENSG00000001036	U
FUK	fucokinase	ENSG00000157353	U
FUNDC1	FUN14 domain containing 1	ENSG00000069509	U
FUNDC2P2	FUN14 domain containing 2 pseudogene 2	NA	D
FUOM	fucose mutarotase	ENSG00000148803	D
FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group)	ENSG00000174951	D

FUT2	fucosyltransferase 2 (secretor status included)	ENSG00000176920	D
FUT5	fucosyltransferase 5 (alpha (1,3) fucosyltransferase)	NA	D
FUT7	fucosyltransferase 7 (alpha (1,3) fucosyltransferase)	ENSG00000180549	D
FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	ENSG00000172461	D
FXN	frataxin	ENSG00000165060	D
FXR1	fragile X mental retardation, autosomal homolog 1	ENSG00000114416	U
FXD2	FXD domain containing ion transport regulator 2	ENSG00000137731	D
FXD4	FXD domain containing ion transport regulator 4	ENSG00000150201	D
FXD5	FXD domain containing ion transport regulator 5	ENSG00000089327	U
FXD7	FXD domain containing ion transport regulator 7	ENSG00000221946	D
FZD10	frizzled family receptor 10	ENSG00000111432	U
FZD4	frizzled family receptor 4	ENSG00000174804	U
FZD8	frizzled family receptor 8	ENSG00000177283	D
G6PC2	glucose-6-phosphatase, catalytic, 2	ENSG00000152254	D
GAA	glucosidase, alpha; acid	ENSG00000171298	U
GABARAP	GABA(A) receptor-associated protein	ENSG00000170296	U
GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	ENSG00000204681	D
GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	ENSG00000151834	D
GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	ENSG00000011677	D
GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	ENSG00000109158	D
GABRA5	gamma-aminobutyric acid (GABA) A receptor, alpha 5	ENSG00000186297	D
GABRA6	gamma-aminobutyric acid (GABA) A receptor, alpha 6	ENSG00000145863	D
GABRB2	gamma-aminobutyric acid (GABA) A receptor, beta 2	ENSG00000145864	D
GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	ENSG00000166206	D
GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	ENSG00000187730	D
GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	ENSG00000102287	U
GABRG2	gamma-aminobutyric acid (GABA) A receptor, gamma 2	ENSG00000113327	D
GABRQ	gamma-aminobutyric acid (GABA) A receptor, theta	ENSG00000147402	D
GABRR2	gamma-aminobutyric acid (GABA) A receptor, rho 2	ENSG00000111886	D
GAD1	glutamate decarboxylase 1 (brain, 67kDa)	ENSG00000128683	D

GADD45B	growth arrest and DNA-damage-inducible, beta	ENSG00000099860	U
GADD45G	growth arrest and DNA-damage-inducible, gamma	ENSG00000130222	U
GAL	galanin prepropeptide	ENSG00000069482	D
GAL3ST1	galactose-3-O-sulfotransferase 1	ENSG00000128242	D
GAL3ST2	galactose-3-O-sulfotransferase 2	ENSG00000154252	D
GAL3ST3	galactose-3-O-sulfotransferase 3	ENSG00000175229	D
GALC	galactosylceramidase	ENSG00000054983	U
GALK1	galactokinase 1	ENSG00000108479	U
GALNT10	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10)	ENSG00000164574	D
GALNT11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 11 (GalNAc-T11)	ENSG00000178234	U
GALNT13	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13)	ENSG00000144278	D
GALNT14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 14 (GalNAc-T14)	ENSG00000158089	D
GALNT7	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 (GalNAc-T7)	ENSG00000109586	D
GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 9 (GalNAc-T9)	ENSG00000182870	D
GALNTL1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1	ENSG00000100626	D
GALNTL4	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 4	ENSG00000110328	U
GALR3	galanin receptor 3	ENSG00000128310	D
GALT	galactose-1-phosphate uridylyltransferase	ENSG00000213930	U
GANAB	glucosidase, alpha; neutral AB	ENSG00000089597	U
GAPVD1	GTPase activating protein and VPS9 domains 1	ENSG00000165219	U
GARS	glycyl-tRNA synthetase	ENSG00000106105	U
GAS1	growth arrest-specific 1	ENSG00000180447	U

GAS2	growth arrest-specific 2	ENSG00000148935	D
GAS2L2	growth arrest-specific 2 like 2	ENSG00000132139	D
GAS6	growth arrest-specific 6	ENSG00000183087	U
GAST	gastrin	ENSG00000184502	D
GATA1	GATA binding protein 1 (globin transcription factor 1)	ENSG00000102145	D
GATA2	GATA binding protein 2	ENSG00000179348	U
GATA3	GATA binding protein 3	ENSG00000107485	U
GATA5	GATA binding protein 5	ENSG00000130700	D
GATM	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	ENSG00000171766	U
GBA	glucosidase, beta, acid	ENSG00000177628	U
GBAS	glioblastoma amplified sequence	ENSG00000146729	U
GBE1	glucan (1,4-alpha-), branching enzyme 1	ENSG00000114480	U
GBF1	golgi brefeldin A resistant guanine nucleotide exchange factor 1	ENSG00000107862	U
GBP2	guanylate binding protein 2, interferon-inducible	ENSG00000162645	U
GBP5	guanylate binding protein 5	ENSG00000154451	D
GBP6	guanylate binding protein family, member 6	ENSG00000183347	D
GBP7	guanylate binding protein 7	ENSG00000213512	D
GBX2	gastrulation brain homeobox 2	ENSG00000168505	D
GC	group-specific component (vitamin D binding protein)	ENSG00000145321	D
GCA	grancalcin, EF-hand calcium binding protein	ENSG00000115271	U
GCC1	GRIP and coiled-coil domain containing 1	ENSG00000179562	U
GCDH	glutaryl-CoA dehydrogenase	ENSG00000105607	U
GCFC2	GC-rich sequence DNA-binding factor 2	ENSG00000005436	D
GCGR	glucagon receptor	ENSG00000215644	D
GCK	glucokinase (hexokinase 4)	ENSG00000106633	D
GCKR	glucokinase (hexokinase 4) regulator	ENSG00000084734	D
GCLM	glutamate-cysteine ligase, modifier subunit	ENSG00000023909	U
GCM2	glial cells missing homolog 2 (Drosophila)	ENSG00000124827	D
GCN1L1	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	ENSG00000089154	U
GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	ENSG00000140297	D

GCSAM	germinal center-associated, signaling and motility	ENSG00000174500	D
GCSH	glycine cleavage system protein H (aminomethyl carrier)	ENSG00000140905	D
GDAP1	ganglioside induced differentiation associated protein 1	ENSG00000104381	D
GDAP1L1	ganglioside induced differentiation associated protein 1-like 1	ENSG00000124194	D
GDE1	glycerophosphodiester phosphodiesterase 1	ENSG00000006007	U
GDF1	growth differentiation factor 1	ENSG00000130283	D
GDF11	growth differentiation factor 11	ENSG00000135414	D
GDF2	growth differentiation factor 2	ENSG00000128802	D
GDF3	growth differentiation factor 3	ENSG00000184344	D
GDF5	growth differentiation factor 5	ENSG00000125965	D
GDF9	growth differentiation factor 9	ENSG00000164404	D
GDI1	GDP dissociation inhibitor 1	ENSG00000203879	U
GDNF	glial cell derived neurotrophic factor	ENSG00000168621	D
GDPD2	glycerophosphodiester phosphodiesterase domain containing 2	ENSG00000130055	D
GEMIN4	gem (nuclear organelle) associated protein 4	ENSG00000179409	U
GEMIN7	gem (nuclear organelle) associated protein 7	ENSG00000142252	D
GEN1	Gen endonuclease homolog 1 (Drosophila)	ENSG00000178295	D
GFAP	glial fibrillary acidic protein	ENSG00000131095	D
GFER	growth factor, augmenter of liver regeneration	ENSG00000127554	D
GFI1	growth factor independent 1 transcription repressor	ENSG00000162676	D
GFM1	G elongation factor, mitochondrial 1	ENSG00000168827	U
GFOD1	glucose-fructose oxidoreductase domain containing 1	ENSG00000145990	U
GFOD2	glucose-fructose oxidoreductase domain containing 2	ENSG00000141098	U
GFPT1	glutamine--fructose-6-phosphate transaminase 1	ENSG00000198380	U
GFPT2	glutamine-fructose-6-phosphate transaminase 2	ENSG00000131459	U
GFRA1	GDNF family receptor alpha 1	ENSG00000151892	D
GFRA2	GDNF family receptor alpha 2	ENSG00000168546	U
GFRA3	GDNF family receptor alpha 3	ENSG00000146013	D
GFRA4	GDNF family receptor alpha 4	ENSG00000125861	D
GFRA1	GDNF family receptor alpha like	ENSG00000187871	D

GGCT	gamma-glutamylcyclotransferase	ENSG00000006625	U
GGH	gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase)	ENSG00000137563	U
GGN	gametogenetin	ENSG00000179168	D
GGNBP2	gametogenetin binding protein 2	ENSG00000005955	U
GGPS1	geranylgeranyl diphosphate synthase 1	ENSG00000152904	U
GGT1	gamma-glutamyltransferase 1	ENSG00000100031	D
GGTLC1	gamma-glutamyltransferase light chain 1	ENSG00000149435	D
GHRH	growth hormone releasing hormone	ENSG00000118702	D
GHRHR	growth hormone releasing hormone receptor	ENSG00000106128	D
GHRL	ghrelin/obestatin prepropeptide	ENSG00000157017	D
GID8	GID complex subunit 8 homolog (<i>S. cerevisiae</i>)	ENSG00000101193	U
GIF	gastric intrinsic factor (vitamin B synthesis)	ENSG00000134812	D
GIGYF2	GRB10 interacting GYF protein 2	ENSG00000204120	U
GIMAP4	GTPase, IMAP family member 4	ENSG00000133574	U
GIMAP5	GTPase, IMAP family member 5	ENSG00000196329	U
GIMAP8	GTPase, IMAP family member 8	ENSG00000171115	U
GIN1	gypsy retrotransposon integrase 1	ENSG00000145723	D
GIP	gastric inhibitory polypeptide	ENSG00000159224	D
GIPC1	GIPC PDZ domain containing family, member 1	ENSG00000123159	U
GIPC2	GIPC PDZ domain containing family, member 2	ENSG00000137960	D
GIPC3	GIPC PDZ domain containing family, member 3	ENSG00000179855	D
GIPR	gastric inhibitory polypeptide receptor	ENSG00000010310	D
GJA1	gap junction protein, alpha 1, 43kDa	ENSG00000152661	U
GJA10	gap junction protein, alpha 10, 62kDa	ENSG00000135355	D
GJA3	gap junction protein, alpha 3, 46kDa	ENSG00000121743	D
GJA4	gap junction protein, alpha 4, 37kDa	ENSG00000187513	U
GJA8	gap junction protein, alpha 8, 50kDa	ENSG00000121634	D
GJA9	gap junction protein, alpha 9, 59kDa	ENSG00000131233	D
GJB1	gap junction protein, beta 1, 32kDa	ENSG00000169562	D

GJB2	gap junction protein, beta 2, 26kDa	ENSG00000165474	D
GJB6	gap junction protein, beta 6, 30kDa	ENSG00000121742	D
GJC3	gap junction protein, gamma 3, 30.2kDa	ENSG00000176402	D
GJD3	gap junction protein, delta 3, 31.9kDa	ENSG00000183153	D
GJD4	gap junction protein, delta 4, 40.1kDa	ENSG00000177291	D
GK	glycerol kinase	ENSG00000198814	D
GK2	glycerol kinase 2	ENSG00000196475	D
GKAP1	G kinase anchoring protein 1	ENSG00000165113	D
GLA	galactosidase, alpha	ENSG00000102393	U
GLCE	glucuronic acid epimerase	ENSG00000138604	U
GLI1	GLI family zinc finger 1	ENSG00000111087	D
GLI2	GLI family zinc finger 2	ENSG00000074047	D
GLI3	GLI family zinc finger 3	ENSG00000106571	U
GLI4	GLI family zinc finger 4	ENSG00000250571	D
GLIPR1L1	GLI pathogenesis-related 1 like 1	ENSG00000173401	D
GLIPR1L2	GLI pathogenesis-related 1 like 2	ENSG00000180481	D
GLIS3	GLIS family zinc finger 3	ENSG00000107249	D
GLO1	glyoxalase I	ENSG00000124767	U
GLOD4	glyoxalase domain containing 4	ENSG00000167699	U
GLP1R	glucagon-like peptide 1 receptor	ENSG00000112164	D
GLP2R	glucagon-like peptide 2 receptor	ENSG00000065325	D
GLRA1	glycine receptor, alpha 1	ENSG00000145888	D
GLRA2	glycine receptor, alpha 2	ENSG00000101958	D
GLRA3	glycine receptor, alpha 3	ENSG00000145451	D
GLRX3	glutaredoxin 3	ENSG00000108010	D
GLS2	glutaminase 2 (liver, mitochondrial)	ENSG00000135423	D
GLT25D1	glycosyltransferase 25 domain containing 1	ENSG00000130309	U
GLT25D2	glycosyltransferase 25 domain containing 2	ENSG00000198756	D
GLTPD2	glycolipid transfer protein domain containing 2	ENSG00000182327	D
GLTSCR1	glioma tumor suppressor candidate region gene 1	ENSG00000063169	U

GLUD2	glutamate dehydrogenase 2	ENSG00000182890	D
GLYAT	glycine-N-acyltransferase	ENSG00000149124	D
GLYATL1	glycine-N-acyltransferase-like 1	ENSG00000166840	D
GLYATL2	glycine-N-acyltransferase-like 2	ENSG00000156689	D
GLYR1	glyoxylate reductase 1 homolog (Arabidopsis)	ENSG00000140632	U
GMCL1	germ cell-less, spermatogenesis associated 1	ENSG00000087338	U
GMCL1P1	germ cell-less, spermatogenesis associated 1 pseudogene 1	NA	D
GMDS	GDP-mannose 4,6-dehydratase	ENSG00000112699	U
GMEB2	glucocorticoid modulatory element binding protein 2	ENSG00000101216	U
GMFB	glia maturation factor, beta	ENSG00000197045	U
GMFG	glia maturation factor, gamma	ENSG00000130755	U
GML	glycosylphosphatidylinositol anchored molecule like protein	ENSG00000104499	D
GMPPA	GDP-mannose pyrophosphorylase A	ENSG00000144591	U
GMPR2	guanosine monophosphate reductase 2	ENSG00000100938	U
GMPS	guanine monphosphate synthetase	ENSG00000163655	U
GNA13	guanine nucleotide binding protein (G protein), alpha 13	ENSG00000120063	U
GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	ENSG00000065135	U
	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type		
GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	ENSG00000141404	D
GNAO1	GNAS complex locus	ENSG00000087258	D
GNAS	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	ENSG00000087460	U
GNAT1	guanine nucleotide binding protein (G protein), alpha z polypeptide	ENSG00000114349	D
GNAZ		ENSG00000128266	D
GNB1L	guanine nucleotide binding protein (G protein), beta polypeptide 1-like	ENSG00000185838	D
GNB2	guanine nucleotide binding protein (G protein), beta polypeptide 2	ENSG00000172354	U
GNB3	guanine nucleotide binding protein (G protein), beta polypeptide 3	ENSG00000111664	D

GNB5	guanine nucleotide binding protein (G protein), beta 5	ENSG00000069966	D
GNG10	guanine nucleotide binding protein (G protein), gamma 10	ENSG00000242616	U
GNG3	guanine nucleotide binding protein (G protein), gamma 3	ENSG00000162188	D
GNG5	guanine nucleotide binding protein (G protein), gamma 5	ENSG00000174021	U
GNG8	guanine nucleotide binding protein (G protein), gamma 8	ENSG00000167414	D
GNGT2	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2	ENSG00000167083	D
GNL1	guanine nucleotide binding protein-like 1	ENSG00000204590	U
GNL2	guanine nucleotide binding protein-like 2 (nucleolar)	ENSG00000134697	U
GNL3L	guanine nucleotide binding protein-like 3 (nucleolar)-like	ENSG00000130119	U
GNMT	glycine N-methyltransferase	ENSG00000124713	D
GNPAT	glyceronephosphate O-acyltransferase	ENSG00000116906	U
GNPDA1	glucosamine-6-phosphate deaminase 1	ENSG00000113552	U
GNPTG	N-acetylglucosamine-1-phosphate transferase, gamma subunit	ENSG00000090581	U
GNRH2	gonadotropin-releasing hormone 2	ENSG00000125787	D
GOLGA2	golgin A2	ENSG00000167110	U
GOLGA2P5	golgin A2 pseudogene 5	NA	D
GOLGA3	golgin A3	ENSG00000090615	U
GOLGA4	golgin A4	ENSG00000144674	U
GOLGA5	golgin A5	ENSG00000066455	U
GOLGA8E	golgin A8 family, member E	NA	D
GOLGB1	golgin B1	ENSG00000173230	U
GOLPH3L	golgi phosphoprotein 3-like	ENSG00000143457	U
GOLT1A	golgi transport 1A	ENSG00000174567	D
GOLT1B	golgi transport 1B	ENSG00000111711	U
GORASP1	golgi reassembly stacking protein 1, 65kDa	ENSG00000114745	U
GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	ENSG00000120053	U
GOT1L1	glutamic-oxaloacetic transaminase 1-like 1	ENSG00000169154	D

GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	ENSG00000125166	U
GPA33	glycoprotein A33 (transmembrane)	ENSG00000143167	D
GPAA1	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	ENSG00000197858	U
GPAT2	glycerol-3-phosphate acyltransferase 2, mitochondrial	ENSG00000186281	D
GPBP1	GC-rich promoter binding protein 1	ENSG00000062194	U
GPC4	glypican 4	ENSG00000076716	U
GPD1L	glycerol-3-phosphate dehydrogenase 1-like	ENSG00000152642	U
GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	ENSG00000115159	D
GPOR	G protein-coupled estrogen receptor 1	ENSG00000164850	U
GPHA2	glycoprotein hormone alpha 2	ENSG00000149735	D
GPHB5	glycoprotein hormone beta 5	NA	D
GPI	glucose-6-phosphate isomerase	ENSG00000105220	U
GPKOW	G patch domain and KOW motifs	ENSG00000068394	U
GPLD1	glycosylphosphatidylinositol specific phospholipase D1	ENSG00000112293	D
GPM6A	glycoprotein M6A	ENSG00000150625	D
GPM6B	glycoprotein M6B	ENSG00000046653	D
GPN1	GPN-loop GTPase 1	ENSG00000198522	U
GPN2	GPN-loop GTPase 2	ENSG00000142751	U
GPN3	GPN-loop GTPase 3	ENSG00000111231	D
GPR101	G protein-coupled receptor 101	ENSG00000165370	D
GPR110	G protein-coupled receptor 110	ENSG00000153292	D
GPR111	G protein-coupled receptor 111	ENSG00000164393	D
GPR112	G protein-coupled receptor 112	ENSG00000156920	D
GPR113	G protein-coupled receptor 113	ENSG00000173567	D
GPR114	G protein-coupled receptor 114	ENSG00000159618	D
GPR116	G protein-coupled receptor 116	ENSG00000069122	U
GPR123	G protein-coupled receptor 123	ENSG00000197177	D
GPR124	G protein-coupled receptor 124	ENSG00000020181	U

GPR128	G protein-coupled receptor 128	ENSG00000144820	D
GPR132	G protein-coupled receptor 132	ENSG00000183484	D
GPR135	G protein-coupled receptor 135	ENSG00000181619	D
GPR137B	G protein-coupled receptor 137B	ENSG00000077585	U
GPR142	G protein-coupled receptor 142	ENSG00000257008	D
GPR150	G protein-coupled receptor 150	ENSG00000178015	D
GPR153	G protein-coupled receptor 153	ENSG00000158292	D
GPR155	G protein-coupled receptor 155	ENSG00000163328	D
GPR156	G protein-coupled receptor 156	ENSG00000175697	D
GPR158	G protein-coupled receptor 158	ENSG00000151025	D
GPR160	G protein-coupled receptor 160	ENSG00000173890	D
GPR17	G protein-coupled receptor 17	ENSG00000144230	D
GPR173	G protein-coupled receptor 173	ENSG00000184194	D
GPR176	G protein-coupled receptor 176	ENSG00000166073	D
GPR18	G protein-coupled receptor 18	ENSG00000125245	D
GPR22	G protein-coupled receptor 22	ENSG00000172209	D
GPR26	G protein-coupled receptor 26	ENSG00000154478	D
GPR31	G protein-coupled receptor 31	ENSG00000120436	D
GPR32	G protein-coupled receptor 32	ENSG00000142511	D
GPR35	G protein-coupled receptor 35	ENSG00000178623	D
GPR52	G protein-coupled receptor 52	ENSG00000203737	D
GPR55	G protein-coupled receptor 55	ENSG00000135898	D
GPR56	G protein-coupled receptor 56	ENSG00000205336	U
GPR6	G protein-coupled receptor 6	ENSG00000146360	D
GPR61	G protein-coupled receptor 61	ENSG00000156097	D
GPR62	G protein-coupled receptor 62	ENSG00000180929	D
GPR63	G protein-coupled receptor 63	ENSG00000112218	D
GPR65	G protein-coupled receptor 65	ENSG00000140030	D
GPR77	G protein-coupled receptor 77	NA	D
GPR82	G protein-coupled receptor 82	ENSG00000171657	D

GPR88	G protein-coupled receptor 88	ENSG00000181656	D
GPR97	G protein-coupled receptor 97	ENSG00000182885	D
GPRC5D	G protein-coupled receptor, family C, group 5, member D	ENSG00000111291	D
GPRC6A	G protein-coupled receptor, family C, group 6, member A	ENSG00000173612	D
GPRIN1	G protein regulated inducer of neurite outgrowth 1	ENSG00000169258	D
GPRIN3	GPRIN family member 3	ENSG00000185477	D
GPS1	G protein pathway suppressor 1	ENSG00000169727	U
GPS2	G protein pathway suppressor 2	ENSG00000132522	U
GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	ENSG00000167701	D
GPT2	glutamic pyruvate transaminase (alanine aminotransferase) 2	ENSG00000166123	U
GPX1	glutathione peroxidase 1	ENSG00000233276	U
GPX2	glutathione peroxidase 2 (gastrointestinal)	ENSG00000176153	D
GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	ENSG00000224586	D
GPX6	glutathione peroxidase 6 (olfactory)	ENSG00000198704	D
GPX7	glutathione peroxidase 7	ENSG00000116157	U
GPX8	glutathione peroxidase 8 (putative)	ENSG00000164294	U
GRAMD1A	GRAM domain containing 1A	ENSG00000089351	U
GRAMD2	GRAM domain containing 2	ENSG00000175318	U
GRAP	GRB2-related adaptor protein	ENSG00000154016	D
GRAP2	GRB2-related adaptor protein 2	ENSG00000100351	D
GRB2	growth factor receptor-bound protein 2	ENSG00000177885	U
GREB1	growth regulation by estrogen in breast cancer 1	ENSG00000196208	D
GREM1	gremlin 1	ENSG00000166923	D
GRHL2	grainyhead-like 2 (Drosophila)	ENSG00000083307	U
GRHL3	grainyhead-like 3 (Drosophila)	ENSG00000158055	D
GRHPR	glyoxylate reductase/hydroxypyruvate reductase	ENSG00000137106	U
GRIA1	glutamate receptor, ionotropic, AMPA 1	ENSG00000155511	D
GRIA3	glutamate receptor, ionotropic, AMPA 3	ENSG00000125675	D
GRIK1	glutamate receptor, ionotropic, kainate 1	ENSG00000171189	D
GRIK2	glutamate receptor, ionotropic, kainate 2	ENSG00000164418	D

GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1	ENSG00000176884	D
GRIN2A	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	ENSG00000183454	D
GRIN2B	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	ENSG00000150086	D
GRIN2D	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	ENSG00000105464	D
GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	ENSG00000198785	D
GRIN3B	glutamate receptor, ionotropic, N-methyl-D-aspartate 3B	ENSG00000116032	D
GRK1	G protein-coupled receptor kinase 1	ENSG00000185974	D
GRK4	G protein-coupled receptor kinase 4	ENSG00000125388	D
GRK5	G protein-coupled receptor kinase 5	ENSG00000198873	U
GRM1	glutamate receptor, metabotropic 1	ENSG00000152822	D
GRM2	glutamate receptor, metabotropic 2	ENSG00000164082	D
GRM4	glutamate receptor, metabotropic 4	ENSG00000124493	D
GRM5	glutamate receptor, metabotropic 5	ENSG00000168959	D
GRM7	glutamate receptor, metabotropic 7	ENSG00000196277	D
GRP	gastrin-releasing peptide	ENSG00000134443	D
GRPEL1	GrpE-like 1, mitochondrial (E. coli)	ENSG00000109519	U
GRPEL2	GrpE-like 2, mitochondrial (E. coli)	ENSG00000164284	U
GRWD1	glutamate-rich WD repeat containing 1	ENSG00000105447	U
GSC	goosecoid homeobox	ENSG00000133937	D
GSC2	goosecoid homeobox 2	ENSG00000063515	D
GSDMD	gasdermin D	ENSG00000104518	U
GSG1	germ cell associated 1	ENSG00000111305	D
GSG1L	GSG1-like	ENSG00000169181	D
GSG2	germ cell associated 2 (haspin)	ENSG00000177602	D
GSK3A	glycogen synthase kinase 3 alpha	ENSG00000105723	D
GSK3B	glycogen synthase kinase 3 beta	ENSG00000082701	U
GSN	gelsolin	ENSG00000148180	U
GSS	glutathione synthetase	ENSG00000100983	U
GSTA4	glutathione S-transferase alpha 4	ENSG00000170899	U
GSTM5	glutathione S-transferase mu 5	ENSG00000134201	D

GSTT2	glutathione S-transferase theta 2	ENSG00000099984	D
GSX2	GS homeobox 2	ENSG00000180613	D
GTF2A1	general transcription factor IIA, 1, 19/37kDa	ENSG00000165417	D
GTF2A2	general transcription factor IIA, 2, 12kDa	ENSG00000140307	U
GTF2B	general transcription factor IIB	ENSG00000137947	U
GTF2E2	general transcription factor IIE, polypeptide 2, beta 34kDa	ENSG00000197265	U
GTF2F1	general transcription factor IIF, polypeptide 1, 74kDa	ENSG00000125651	U
GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa	ENSG00000188342	U
GTF2H5	general transcription factor IIH, polypeptide 5	ENSG00000185068	U
GTF3C2	general transcription factor IIIC, polypeptide 2, beta 110kDa	ENSG00000115207	U
GTF3C5	general transcription factor IIIC, polypeptide 5, 63kDa	ENSG00000148308	U
GTF3C6	general transcription factor IIIC, polypeptide 6, alpha 35kDa	ENSG00000155115	U
GTPBP10	GTP-binding protein 10 (putative)	ENSG00000105793	D
GTPBP4	GTP binding protein 4	ENSG00000107937	U
GTPBP6	GTP binding protein 6 (putative)	ENSG00000178605	U
GTPBP8	GTP-binding protein 8 (putative)	ENSG00000163607	D
GTSF1	gametocyte specific factor 1	ENSG00000170627	U
GTSF1L	gametocyte specific factor 1-like	ENSG00000124196	D
GUCA1A	guanylate cyclase activator 1A (retina)	ENSG00000048545	D
GUCA1B	guanylate cyclase activator 1B (retina)	ENSG00000112599	D
GUCA1C	guanylate cyclase activator 1C	ENSG00000138472	D
GUCA2A	guanylate cyclase activator 2A (guanylin)	ENSG00000197273	U
GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	ENSG00000132518	D
GUCY2F	guanylate cyclase 2F, retinal	ENSG00000101890	D
GULP1	GULP, engulfment adaptor PTB domain containing 1	ENSG00000144366	U
GUSBP5	glucuronidase, beta pseudogene 5	NA	D
GYPA	glycophorin A (MNS blood group)	ENSG00000170180	D
GYPC	glycophorin C (Gerbich blood group)	ENSG00000136732	U
GYS2	glycogen synthase 2 (liver)	ENSG00000111713	D
GZMM	granzyme M (lymphocyte met-ase 1)	ENSG00000197540	D

H1FX	H1 histone family, member X	ENSG00000184897	U
H2AFJ	H2A histone family, member J	ENSG00000246705	U
H2AFX	H2A histone family, member X	ENSG00000188486	U
H2AFY	H2A histone family, member Y	ENSG00000113648	U
H3F3B	H3 histone, family 3B (H3.3B)	ENSG00000132475	U
HABP2	hyaluronan binding protein 2	ENSG00000148702	D
HACL1	2-hydroxyacyl-CoA lyase 1	ENSG00000131373	U
HADH	hydroxyacyl-CoA dehydrogenase	ENSG00000138796	U
	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA		
HADHA	hydratase (trifunctional protein), alpha subunit	ENSG00000084754	U
HAGH	hydroxyacylglutathione hydrolase	ENSG00000063854	U
HAGHL	hydroxyacylglutathione hydrolase-like	ENSG00000103253	D
HAL	histidine ammonia-lyase	ENSG00000084110	D
HAND1	heart and neural crest derivatives expressed 1	ENSG00000113196	D
HAO1	hydroxyacid oxidase (glycolate oxidase) 1	ENSG00000101323	D
HAO2	hydroxyacid oxidase 2 (long chain)	ENSG00000116882	D
HAPLN1	hyaluronan and proteoglycan link protein 1	ENSG00000145681	U
HAPLN2	hyaluronan and proteoglycan link protein 2	ENSG00000132702	D
HAPLN4	hyaluronan and proteoglycan link protein 4	ENSG00000187664	D
HARS	histidyl-tRNA synthetase	ENSG00000170445	U
HAS1	hyaluronan synthase 1	ENSG00000105509	D
HAS2	hyaluronan synthase 2	ENSG00000170961	D
HAUS2	HAUS augmin-like complex, subunit 2	ENSG00000137814	U
HAUS3	HAUS augmin-like complex, subunit 3	ENSG00000214367	D
HAUS6	HAUS augmin-like complex, subunit 6	ENSG00000147874	D
HAVCR2	hepatitis A virus cellular receptor 2	ENSG00000135077	U
HAX1	HCLS1 associated protein X-1	ENSG00000143575	U
HBD	hemoglobin, delta	ENSG00000223609	U
HBP1	HMG-box transcription factor 1	ENSG00000105856	U
HBS1L	HBS1-like (<i>S. cerevisiae</i>)	ENSG00000112339	D

HCFC1	host cell factor C1 (VP16-accessory protein)	ENSG00000172534	U
HCFC1R1	host cell factor C1 regulator 1 (XPO1 dependent)	ENSG00000103145	U
HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	ENSG00000164588	D
HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	ENSG00000099822	D
HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	ENSG00000143630	D
HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	ENSG00000138622	D
HCRT	hypocretin (orexin) neuropeptide precursor	ENSG00000161610	D
HCRT1	hypocretin (orexin) receptor 1	ENSG00000121764	D
HCST	hematopoietic cell signal transducer	ENSG00000126264	U
HDAC3	histone deacetylase 3	ENSG00000171720	U
HDAC6	histone deacetylase 6	ENSG00000094631	U
HDAC9	histone deacetylase 9	ENSG00000048052	D
HDC	histidine decarboxylase	ENSG00000140287	D
HDDC2	HD domain containing 2	ENSG00000111906	U
HDGF	hepatoma-derived growth factor	ENSG00000143321	U
HDHD1	haloacid dehalogenase-like hydrolase domain containing 1	ENSG00000130021	U
HDHD2	haloacid dehalogenase-like hydrolase domain containing 2	ENSG00000167220	U
HDX	highly divergent homeobox	ENSG00000165259	D
HEATR4	HEAT repeat containing 4	ENSG00000187105	D
HEATR7B2	HEAT repeat family member 7B2	ENSG00000171495	D
HEATR8	HEAT repeat containing 8	ENSG00000184313	D
HEBP1	heme binding protein 1	ENSG00000013583	U
HECTD1	HECT domain containing E3 ubiquitin protein ligase 1	ENSG00000092148	U
HECW1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	ENSG00000002746	D
HELZ	helicase with zinc finger	ENSG00000198265	U
HEPACAM2	HEPACAM family member 2	ENSG00000188175	D
HEPH	hephaestin	ENSG00000089472	D
HERC1	HECT and RLD domain containing E3 ubiquitin protein ligase family member 1	ENSG00000103657	U

HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5	ENSG00000138646	U
HES1	hairy and enhancer of split 1, (Drosophila)	ENSG00000114315	U
HES2	hairy and enhancer of split 2 (Drosophila)	ENSG00000069812	U
HES4	hairy and enhancer of split 4 (Drosophila)	ENSG00000188290	U
HES7	hairy and enhancer of split 7 (Drosophila)	ENSG00000179111	D
HESX1	HESX homeobox 1	ENSG00000163666	D
HEY1	hairy/enhancer-of-split related with YRPW motif 1	ENSG00000164683	U
HEYL	hairy/enhancer-of-split related with YRPW motif-like	ENSG00000163909	U
HFE	hemochromatosis	ENSG00000010704	D
HFE2	hemochromatosis type 2 (juvenile)	ENSG00000168509	D
HGFAC	HGF activator	ENSG00000109758	D
HHATL	hedgehog acyltransferase-like	ENSG00000010282	D
HHIP	hedgehog interacting protein	ENSG00000164161	D
HHIPL1	HHIP-like 1	ENSG00000182218	D
HHIPL2	HHIP-like 2	ENSG00000143512	D
HHLA2	HERV-H LTR-associating 2	ENSG00000114455	D
HIATL1	hippocampus abundant transcript-like 1	ENSG00000148110	U
HIBCH	3-hydroxyisobutyryl-CoA hydrolase	ENSG00000198130	U
HIC2	hypermethylated in cancer 2	ENSG00000169635	U
HIGD1A	HIG1 hypoxia inducible domain family, member 1A	ENSG00000181061	U
HIGD1B	HIG1 hypoxia inducible domain family, member 1B	ENSG00000131097	U
HILPDA	hypoxia inducible lipid droplet-associated	ENSG00000135245	U
HILS1	histone linker H1 domain, spermatid-specific 1, pseudogene	NA	D
HINT2	histidine triad nucleotide binding protein 2	ENSG00000137133	U
HIPK1	homeodomain interacting protein kinase 1	ENSG00000163349	D
HIPK2	homeodomain interacting protein kinase 2	ENSG00000064393	U
HIPK4	homeodomain interacting protein kinase 4	ENSG00000160396	D
HIST1H1B	histone cluster 1, H1b	ENSG00000184357	D
HIST1H1D	histone cluster 1, H1d	ENSG00000124575	D
HIST1H1E	histone cluster 1, H1e	ENSG00000168298	D

HIST1H1T	histone cluster 1, H1t	ENSG00000187475	D
HIST1H2AB	histone cluster 1, H2ab	ENSG00000137259	D
HIST1H2AC	histone cluster 1, H2ac	ENSG00000180573	U
HIST1H2AD	histone cluster 1, H2ad	ENSG00000196866	D
HIST1H2AH	histone cluster 1, H2ah	ENSG00000184825	D
HIST1H2AK	histone cluster 1, H2ak	ENSG00000184348	D
HIST1H2BA	histone cluster 1, H2ba	ENSG00000146047	D
HIST1H2BB	histone cluster 1, H2bb	ENSG00000196226	D
HIST1H2BD	histone cluster 1, H2bd	ENSG00000158373	U
HIST1H2BF	histone cluster 1, H2bf	ENSG00000197846	D
HIST1H2BI	histone cluster 1, H2bi	ENSG00000168242	D
HIST1H2BL	histone cluster 1, H2bl	ENSG00000185130	D
HIST1H2BM	histone cluster 1, H2bm	ENSG00000196374	D
HIST1H2BN	histone cluster 1, H2bn	ENSG00000233822	D
HIST1H3A	histone cluster 1, H3a	ENSG00000198366	D
HIST1H3C	histone cluster 1, H3c	ENSG00000196532	D
HIST1H3H	histone cluster 1, H3h	ENSG00000203813	D
HIST1H3I	histone cluster 1, H3i	ENSG00000182572	D
HIST1H4A	histone cluster 1, H4a	ENSG00000196176	D
HIST1H4B	histone cluster 1, H4b	ENSG00000124529	D
HIST1H4D	histone cluster 1, H4d	ENSG00000188987	D
HIST1H4F	histone cluster 1, H4f	ENSG00000198327	D
HIST1H4I	histone cluster 1, H4i	ENSG00000198339	D
HIST1H4L	histone cluster 1, H4l	ENSG00000198558	D
HIST2H2AB	histone cluster 2, H2ab	ENSG00000184270	D
HIST2H2AC	histone cluster 2, H2ac	ENSG00000184260	U
HIST3H3	histone cluster 3, H3	ENSG00000168148	D
HIVEP3	human immunodeficiency virus type I enhancer binding protein 3	ENSG00000127124	D
HK1	hexokinase 1	ENSG00000156515	U
HKDC1	hexokinase domain containing 1	ENSG00000156510	D

HLA-DMA	major histocompatibility complex, class II, DM alpha	ENSG00000204257	U
HLA-DMB	major histocompatibility complex, class II, DM beta	ENSG00000242574	U
HLA-DOA	major histocompatibility complex, class II, DO alpha	ENSG00000204252	D
HLA-DOB	major histocompatibility complex, class II, DO beta	ENSG00000241106	D
HLA-DPA1	major histocompatibility complex, class II, DP alpha 1	ENSG00000231389	U
HLA-DPB1	major histocompatibility complex, class II, DP beta 1	ENSG00000223865	D
HLA-DQB2	major histocompatibility complex, class II, DQ beta 2	ENSG00000232629	D
HLA-DRA	major histocompatibility complex, class II, DR alpha	ENSG00000204287	U
HLA-G	major histocompatibility complex, class I, G	ENSG00000204632	U
HMCN1	hemicentin 1	ENSG00000143341	D
HMG20B	high mobility group 20B	ENSG00000064961	U
HMG2	high mobility group AT-hook 2	ENSG00000149948	D
HMG2	high mobility group box 2	ENSG00000164104	U
HMG3	high mobility group box 3	ENSG00000029993	U
HMGCL	3-hydroxymethyl-3-methylglutaryl-CoA lyase	ENSG00000117305	U
HMGCR	3-hydroxy-3-methylglutaryl-CoA reductase	ENSG00000113161	U
HMGCS1	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)	ENSG00000112972	U
HMGCS2	3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial)	ENSG00000134240	U
HMG2	high mobility group nucleosomal binding domain 2	ENSG00000198830	U
HMG4	high mobility group nucleosomal binding domain 4	ENSG00000182952	U
HMG5	high mobility group nucleosome binding domain 5	ENSG00000198157	D
HMB1	histocompatibility (minor) HB-1	ENSG00000158497	D
HMOX1	heme oxygenase (decycling) 1	ENSG00000100292	U
HMX2	H6 family homeobox 2	ENSG00000188816	D
HN1	hematological and neurological expressed 1	ENSG00000189159	U
HNF1A	HNF1 homeobox A	ENSG00000135100	D
HNF1B	HNF1 homeobox B	ENSG00000108753	D
HNF4A	hepatocyte nuclear factor 4, alpha	ENSG00000101076	D
HNF4G	hepatocyte nuclear factor 4, gamma	ENSG00000164749	D
HNRNPA1L2	heterogeneous nuclear ribonucleoprotein A1-like 2	ENSG00000139675	D

HNRNPA3	heterogeneous nuclear ribonucleoprotein A3	ENSG00000170144	U
HNRNPAB	heterogeneous nuclear ribonucleoprotein A/B	ENSG00000197451	U
HNRNPCL1	heterogeneous nuclear ribonucleoprotein C-like 1	ENSG00000179172	D
HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9)	ENSG00000096746	U
HNRNPK	heterogeneous nuclear ribonucleoprotein K	ENSG00000165119	U
HNRNPL	heterogeneous nuclear ribonucleoprotein L	ENSG00000104824	U
HNRNPM	heterogeneous nuclear ribonucleoprotein M	ENSG00000099783	U
HNRNPUL1	heterogeneous nuclear ribonucleoprotein U-like 1	ENSG00000105323	U
HNRPDL	heterogeneous nuclear ribonucleoprotein D-like	ENSG00000152795	U
HOGA1	4-hydroxy-2-oxoglutarate aldolase 1	ENSG00000241935	D
HOOK2	hook homolog 2 (Drosophila)	ENSG00000095066	U
HOPX	HOP homeobox	ENSG00000171476	U
HORMAD1	HORMA domain containing 1	ENSG00000143452	D
HORMAD2	HORMA domain containing 2	ENSG00000176635	D
HOXA1	homeobox A1	ENSG00000105991	D
HOXA2	homeobox A2	ENSG00000105996	D
HOXA3	homeobox A3	ENSG00000105997	D
HOXA4	homeobox A4	ENSG00000197576	D
HOXA5	homeobox A5	ENSG00000106004	D
HOXB1	homeobox B1	ENSG00000120094	D
HOXB13	homeobox B13	ENSG00000159184	D
HOXB6	homeobox B6	ENSG00000108511	D
HOXC10	homeobox C10	ENSG00000180818	D
HOXC5	homeobox C5	ENSG00000172789	D
HOXD1	homeobox D1	ENSG00000128645	D
HOXD10	homeobox D10	ENSG00000128710	D
HOXD11	homeobox D11	ENSG00000128713	D
HOXD12	homeobox D12	ENSG00000170178	D
HOXD13	homeobox D13	ENSG00000128714	D
HOXD4	homeobox D4	ENSG00000170166	D

HOXD9	homeobox D9	ENSG00000128709	D
HPCA	hippocalcin	ENSG00000121905	D
HPCAL1	hippocalcin-like 1	ENSG00000115756	U
HPCAL4	hippocalcin like 4	ENSG00000116983	D
HPD	4-hydroxyphenylpyruvate dioxygenase	ENSG00000158104	D
HPR	haptoglobin-related protein	ENSG00000261701	D
HPS6	Hermansky-Pudlak syndrome 6	ENSG00000166189	U
HPSE2	heparanase 2	ENSG00000172987	D
HPX	hemopexin	ENSG00000110169	D
HR	hairless homolog (mouse)	ENSG00000168453	D
HRASLS	HRAS-like suppressor	ENSG00000127252	D
HRASLS2	HRAS-like suppressor 2	ENSG00000133328	D
HRASLS5	HRAS-like suppressor family, member 5	ENSG00000168004	D
HRG	histidine-rich glycoprotein	ENSG00000113905	D
HRH2	histamine receptor H2	ENSG00000113749	D
HRH4	histamine receptor H4	ENSG00000134489	D
HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	ENSG00000135116	D
HS1BP3	HCLS1 binding protein 3	ENSG00000118960	U
HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2	ENSG00000122254	D
HS3ST3B1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	ENSG00000125430	D
HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	ENSG00000182601	D
HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	ENSG00000249853	D
HSBP1	heat shock factor binding protein 1	ENSG00000230989	U
HSD17B10	hydroxysteroid (17-beta) dehydrogenase 10	ENSG00000072506	U
HSD17B12	hydroxysteroid (17-beta) dehydrogenase 12	ENSG00000149084	U
HSD17B13	hydroxysteroid (17-beta) dehydrogenase 13	ENSG00000170509	D
HSD17B3	hydroxysteroid (17-beta) dehydrogenase 3	ENSG00000130948	D
HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	ENSG00000133835	U
HSD3B2	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	ENSG00000203859	D

HSF4	heat shock transcription factor 4	ENSG00000102878	D
HSH2D	hematopoietic SH2 domain containing	ENSG00000196684	D
HSP90AA1	heat shock protein 90kDa alpha (cytosolic), class A member 1	ENSG00000080824	U
HSPA12B	heat shock 70kD protein 12B	ENSG00000132622	U
HSPA1A	heat shock 70kDa protein 1A	ENSG00000204389	U
HSPA2	heat shock 70kDa protein 2	ENSG00000126803	U
HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	ENSG00000044574	U
HSPB3	heat shock 27kDa protein 3	ENSG00000169271	D
HSPB6	heat shock protein, alpha-crystallin-related, B6	ENSG00000004776	U
HSPBAP1	HSPB (heat shock 27kDa) associated protein 1	ENSG00000169087	U
HSPH1	heat shock 105kDa/110kDa protein 1	ENSG00000120694	U
HTATIP2	HIV-1 Tat interactive protein 2, 30kDa	ENSG00000109854	U
HTATSF1	HIV-1 Tat specific factor 1	ENSG00000102241	U
HTN3	histatin 3	ENSG00000205649	D
HTR1D	5-hydroxytryptamine (serotonin) receptor 1D, G protein-coupled	ENSG00000179546	D
HTR1E	5-hydroxytryptamine (serotonin) receptor 1E, G protein-coupled	ENSG00000168830	D
HTR1F	5-hydroxytryptamine (serotonin) receptor 1F, G protein-coupled	NA	D
HTR2A	5-hydroxytryptamine (serotonin) receptor 2A, G protein-coupled	ENSG00000102468	D
HTR3C	5-hydroxytryptamine (serotonin) receptor 3C, ionotropic	ENSG00000178084	D
HTR3D	5-hydroxytryptamine (serotonin) receptor 3D, ionotropic	ENSG00000186090	D
HTR3E	5-hydroxytryptamine (serotonin) receptor 3E, ionotropic	ENSG00000186038	D
HTR4	5-hydroxytryptamine (serotonin) receptor 4, G protein-coupled	ENSG00000164270	D
HTR6	5-hydroxytryptamine (serotonin) receptor 6, G protein-coupled	ENSG00000158748	D
HTR7	5-hydroxytryptamine (serotonin) receptor 7, adenylate cyclase-coupled	ENSG00000148680	D
HTRA3	HtrA serine peptidase 3	ENSG00000170801	D
HTRA4	HtrA serine peptidase 4	ENSG00000169495	U
HUNK	hormonally up-regulated Neu-associated kinase	ENSG00000142149	D
HYAL4	hyaluronoglucosaminidase 4	ENSG00000106302	U
HYDIN	HYDIN, axonemal central pair apparatus protein	ENSG00000157423	D
HYOU1	hypoxia up-regulated 1	ENSG00000149428	U

IARS2	isoleucyl-tRNA synthetase 2, mitochondrial	ENSG00000067704	U
IBSP	integrin-binding sialoprotein	ENSG00000029559	D
ICAM2	intercellular adhesion molecule 2	ENSG00000108622	U
ICK	intestinal cell (MAK-like) kinase	ENSG00000112144	U
ICOS	inducible T-cell co-stimulator	ENSG00000163600	D
ICT1	immature colon carcinoma transcript 1	ENSG00000167862	U
ID1	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	ENSG00000125968	U
ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	ENSG00000115738	U
IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	ENSG00000138413	U
IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	ENSG00000182054	U
IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	ENSG00000101365	U
IDI2	isopentenyl-diphosphate delta isomerase 2	ENSG00000148377	D
IDI2-AS1	IDI2 antisense RNA 1	NA	D
IDO1	indoleamine 2,3-dioxygenase 1	ENSG00000131203	U
IDO2	indoleamine 2,3-dioxygenase 2	ENSG00000188676	U
IDS	iduronate 2-sulfatase	ENSG00000010404	U
IER2	immediate early response 2	ENSG00000160888	U
IER3	immediate early response 3	ENSG00000137331	U
IER5	immediate early response 5	ENSG00000162783	U
IFI27	interferon, alpha-inducible protein 27	ENSG00000165949	U
IFI35	interferon-induced protein 35	ENSG00000068079	U
IFI44L	interferon-induced protein 44-like	ENSG00000137959	U
IFIH1	interferon induced with helicase C domain 1	ENSG00000115267	U
IFIT2	interferon-induced protein with tetratricopeptide repeats 2	ENSG00000119922	U
IFITM5	interferon induced transmembrane protein 5	ENSG00000206013	D
IFLTD1	intermediate filament tail domain containing 1	ENSG00000152936	D
IFNA2	interferon, alpha 2	ENSG00000188379	D
IFNA21	interferon, alpha 21	ENSG00000137080	D
IFNA4	interferon, alpha 4	ENSG00000236637	D
IFNAR2	interferon (alpha, beta and omega) receptor 2	ENSG00000159110	U

IFNG	interferon, gamma	ENSG00000111537	D
IFT20	intraflagellar transport 20 homolog (Chlamydomonas)	ENSG00000109083	U
IFT43	intraflagellar transport 43 homolog (Chlamydomonas)	ENSG00000119650	U
IFT80	intraflagellar transport 80 homolog (Chlamydomonas)	ENSG00000248710	ID
IFT81	intraflagellar transport 81 homolog (Chlamydomonas)	ENSG00000122970	D
IGBP1	immunoglobulin (CD79A) binding protein 1	ENSG00000089289	U
IGDCC3	immunoglobulin superfamily, DCC subclass, member 3	ENSG00000174498	U
IGFBP1	insulin-like growth factor binding protein 1	ENSG00000146678	U
IGFBP2	insulin-like growth factor binding protein 2, 36kDa	ENSG00000115457	U
IGFBPL1	insulin-like growth factor binding protein-like 1	ENSG00000137142	D
IGIP	IgA-inducing protein homolog (Bos taurus)	ENSG00000182700	U
IGLL1	immunoglobulin lambda-like polypeptide 1	ENSG00000128322	D
IGSF1	immunoglobulin superfamily, member 1	ENSG00000147255	D
IGSF10	immunoglobulin superfamily, member 10	ENSG00000152580	D
IGSF11	immunoglobulin superfamily, member 11	ENSG00000144847	D
IGSF3	immunoglobulin superfamily, member 3	ENSG00000143061	U
IK	IK cytokine, down-regulator of HLA II	ENSG00000113141	U
IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	ENSG00000070061	D
	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma		
IKBKG		ENSG00000073009	U
IKZF2	IKAROS family zinc finger 2 (Helios)	ENSG00000030419	D
IL10	interleukin 10	ENSG00000136634	D
IL10RB	interleukin 10 receptor, beta	ENSG00000243646	U
IL11	interleukin 11	ENSG00000095752	D
IL11RA	interleukin 11 receptor, alpha	ENSG00000137070	U
IL12A	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	ENSG00000168811	D
	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)		
IL12B		ENSG00000113302	D

IL12RB1	interleukin 12 receptor, beta 1	ENSG00000096996	D
IL13	interleukin 13	ENSG00000169194	D
IL13RA1	interleukin 13 receptor, alpha 1	ENSG00000131724	U
IL13RA2	interleukin 13 receptor, alpha 2	ENSG00000123496	D
IL17B	interleukin 17B	ENSG00000127743	D
IL17F	interleukin 17F	ENSG00000112116	D
IL17RB	interleukin 17 receptor B	ENSG00000056736	D
IL17RD	interleukin 17 receptor D	ENSG00000144730	D
IL18BP	interleukin 18 binding protein	ENSG00000137496	D
IL19	interleukin 19	ENSG00000142224	D
IL1A	interleukin 1, alpha	ENSG00000115008	D
IL1R1	interleukin 1 receptor, type I	ENSG00000115594	U
IL1RAPL2	interleukin 1 receptor accessory protein-like 2	ENSG00000189108	D
IL1RL1	interleukin 1 receptor-like 1	ENSG00000115602	D
IL1RL2	interleukin 1 receptor-like 2	ENSG00000115598	D
IL2	interleukin 2	ENSG00000109471	D
IL21	interleukin 21	ENSG00000138684	D
IL22	interleukin 22	ENSG00000127318	D
IL23A	interleukin 23, alpha subunit p19	ENSG00000110944	D
IL23R	interleukin 23 receptor	ENSG00000162594	D
IL24	interleukin 24	ENSG00000162892	D
IL25	interleukin 25	ENSG00000166090	D
IL26	interleukin 26	ENSG00000111536	D
IL28A	interleukin 28A (interferon, lambda 2)	ENSG00000183709	D
IL28RA	interleukin 28 receptor, alpha (interferon, lambda receptor)	ENSG00000185436	D
IL2RB	interleukin 2 receptor, beta	ENSG00000100385	U
IL3	interleukin 3 (colony-stimulating factor, multiple)	ENSG00000164399	D
IL31RA	interleukin 31 receptor A	ENSG00000164509	D
IL34	interleukin 34	ENSG00000157368	D
IL36A	interleukin 36, alpha	ENSG00000136694	D

IL36B	interleukin 36, beta	ENSG00000136696	D
IL36G	interleukin 36, gamma	ENSG00000136688	D
IL37	interleukin 37	ENSG00000125571	D
IL4	interleukin 4	ENSG00000113520	D
IL5	interleukin 5 (colony-stimulating factor, eosinophil)	ENSG00000113525	D
IL5RA	interleukin 5 receptor, alpha	ENSG00000091181	D
IL6R	interleukin 6 receptor	ENSG00000160712	D
IL7	interleukin 7	ENSG00000104432	D
IL9	interleukin 9	ENSG00000145839	D
IL9R	interleukin 9 receptor	ENSG00000124334	D
ILF3	interleukin enhancer binding factor 3, 90kDa	ENSG00000129351	U
ILK	integrin-linked kinase	ENSG00000166333	U
IMMT	inner membrane protein, mitochondrial	ENSG00000132305	U
IMP4	IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast)	ENSG00000136718	U
IMPACT	Impact homolog (mouse)	ENSG00000154059	D
IMPG1	interphotoreceptor matrix proteoglycan 1	ENSG00000112706	D
IMPG2	interphotoreceptor matrix proteoglycan 2	ENSG00000081148	D
INA	internexin neuronal intermediate filament protein, alpha	ENSG00000148798	D
INCENP	inner centromere protein antigens 135/155kDa	ENSG00000149503	D
INE1	inactivation escape 1 (non-protein coding)	NA	D
INHAI	inhibin, alpha	ENSG00000123999	U
INHBC	inhibin, beta C	ENSG00000175189	D
INHBE	inhibin, beta E	ENSG00000139269	D
INO80C	INO80 complex subunit C	ENSG00000153391	U
INO80E	INO80 complex subunit E	ENSG00000169592	U
INPP1	inositol polyphosphate-1-phosphatase	ENSG00000151689	U
INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	ENSG00000040933	D
INPP5A	inositol polyphosphate-5-phosphatase, 40kDa	ENSG00000068383	U
INPP5D	inositol polyphosphate-5-phosphatase, 145kDa	ENSG00000168918	U
INSIG1	insulin induced gene 1	ENSG00000186480	U

INSL4	insulin-like 4 (placenta)	ENSG00000120211	U
INSL5	insulin-like 5	ENSG00000172410	D
INSM2	insulinoma-associated 2	ENSG00000168348	D
INSR	insulin receptor	ENSG00000171105	U
INSRR	insulin receptor-related receptor	ENSG00000027644	D
INTS10	integrator complex subunit 10	ENSG00000104613	U
INTS12	integrator complex subunit 12	ENSG00000138785	U
INTS3	integrator complex subunit 3	ENSG00000143624	U
INTS4	integrator complex subunit 4	ENSG00000149262	U
INTS6	integrator complex subunit 6	ENSG00000102786	U
INTS9	integrator complex subunit 9	ENSG00000104299	U
INTU	inturned planar cell polarity effector homolog (Drosophila)	ENSG00000164066	D
IP6K1	inositol hexakisphosphate kinase 1	ENSG00000176095	U
IPMK	inositol polyphosphate multikinase	ENSG00000151151	D
IPO11	importin 11	ENSG00000086200	U
IQCA1	IQ motif containing with AAA domain 1	ENSG00000132321	D
IQCD	IQ motif containing D	ENSG00000166578	D
IQCF1	IQ motif containing F1	ENSG00000173389	D
IQCH	IQ motif containing H	ENSG00000103599	D
IQGAP1	IQ motif containing GTPase activating protein 1	ENSG00000140575	U
IQGAP2	IQ motif containing GTPase activating protein 2	ENSG00000145703	U
IQSEC1	IQ motif and Sec7 domain 1	ENSG00000144711	U
IQSEC3	IQ motif and Sec7 domain 3	ENSG00000120645	D
IRAK1	interleukin-1 receptor-associated kinase 1	ENSG00000184216	U
IRF1	interferon regulatory factor 1	ENSG00000125347	U
IRF2BP2	interferon regulatory factor 2 binding protein 2	ENSG00000168264	U
IRF3	interferon regulatory factor 3	ENSG00000126456	U
IRF6	interferon regulatory factor 6	ENSG00000117595	U
IRF9	interferon regulatory factor 9	ENSG00000213928	U
IRGC	immunity-related GTPase family, cinema	ENSG00000124449	D

IRS2	insulin receptor substrate 2	ENSG00000185950	U
IRS4	insulin receptor substrate 4	ENSG00000133124	D
IRX4	iroquois homeobox 4	ENSG00000113430	D
ISCA2	iron-sulfur cluster assembly 2 homolog (S. cerevisiae)	ENSG00000165898	U
ISCU	iron-sulfur cluster scaffold homolog (E. coli)	ENSG00000136003	U
ISG15	ISG15 ubiquitin-like modifier	ENSG00000187608	U
ISG20	interferon stimulated exonuclease gene 20kDa	ENSG00000172183	U
ISG20L2	interferon stimulated exonuclease gene 20kDa-like 2	ENSG00000143319	U
ISL1	ISL LIM homeobox 1	ENSG00000016082	U
ISL2	ISL LIM homeobox 2	ENSG00000159556	D
ISLR2	immunoglobulin superfamily containing leucine-rich repeat 2	ENSG00000167178	D
ISM2	isthmin 2 homolog (zebrafish)	ENSG00000100593	U
ISOC1	isochorismatase domain containing 1	ENSG00000066583	U
ISX	intestine-specific homeobox	ENSG00000175329	D
ITFG2	integrin alpha FG-GAP repeat containing 2	ENSG00000111203	U
ITFG3	integrin alpha FG-GAP repeat containing 3	ENSG00000167930	U
ITGA11	integrin, alpha 11	ENSG00000137809	D
ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	ENSG00000005884	U
ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	ENSG00000115232	D
ITGA6	integrin, alpha 6	ENSG00000091409	D
ITGA7	integrin, alpha 7	ENSG00000135424	D
ITGAD	integrin, alpha D	ENSG00000156886	D
ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)	ENSG00000083457	D
ITGAV	integrin, alpha V	ENSG00000138448	U
ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	ENSG00000150093	U
ITGB1BP1	integrin beta 1 binding protein 1	ENSG00000119185	U
ITGB1BP2	integrin beta 1 binding protein (melusin) 2	ENSG00000147166	D
ITGB4	integrin, beta 4	ENSG00000132470	U

ITGB5	integrin, beta 5	ENSG00000082781	U
ITGB7	integrin, beta 7	ENSG00000139626	D
ITGB8	integrin, beta 8	ENSG00000105855	D
ITIH1	inter-alpha-trypsin inhibitor heavy chain 1	ENSG00000055957	D
ITIH2	inter-alpha-trypsin inhibitor heavy chain 2	ENSG00000151655	D
ITIH3	inter-alpha-trypsin inhibitor heavy chain 3	ENSG00000162267	D
ITIH4	inter-alpha-trypsin inhibitor heavy chain family, member 4	ENSG00000055955	D
ITIH5	inter-alpha-trypsin inhibitor heavy chain family, member 5	ENSG00000123243	U
ITIH6	inter-alpha-trypsin inhibitor heavy chain family, member 6	ENSG00000102313	D
ITK	IL2-inducible T-cell kinase	ENSG00000113263	D
ITLN1	intelectin 1 (galactofuranose binding)	ENSG00000179914	D
ITLN2	intelectin 2	ENSG00000158764	D
ITM2C	integral membrane protein 2C	ENSG00000135916	U
ITPA	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)	ENSG00000125877	U
ITPK1	inositol-tetrakisphosphate 1-kinase	ENSG00000100605	U
ITPR3	inositol 1,4,5-trisphosphate receptor, type 3	ENSG00000096433	U
ITPRIPL1	inositol 1,4,5-trisphosphate receptor interacting protein-like 1	ENSG00000198885	D
ITPRIPL2	inositol 1,4,5-trisphosphate receptor interacting protein-like 2	ENSG00000205730	U
ITSN2	intersectin 2	ENSG00000198399	D
IVL	involucrin	ENSG00000163207	D
IVNS1ABP	influenza virus NS1A binding protein	ENSG00000116679	U
IWS1	IWS1 homolog (<i>S. cerevisiae</i>)	ENSG00000163166	U
IYD	iodotyrosine deiodinase	ENSG00000009765	D
IZUMO1	izumo sperm-egg fusion 1	ENSG00000182264	D
IZUMO2	IZUMO family member 2	ENSG00000161652	D
IZUMO4	IZUMO family member 4	ENSG00000099840	D
JAG1	jagged 1	ENSG00000101384	U
JAK3	Janus kinase 3	ENSG00000105639	D
JAKMIP1	janus kinase and microtubule interacting protein 1	ENSG00000152969	D
JAKMIP2	janus kinase and microtubule interacting protein 2	ENSG00000176049	D

JKAMP	JNK1/MAPK8-associated membrane protein	ENSG00000050130	U
JMJD1C	jumonji domain containing 1C	ENSG00000171988	U
JMJD6	jumonji domain containing 6	ENSG00000070495	D
JOSD1	Josephin domain containing 1	ENSG00000100221	U
JPH1	junctophilin 1	ENSG00000104369	D
JPH3	junctophilin 3	ENSG00000154118	D
JSRP1	junctional sarcoplasmic reticulum protein 1	ENSG00000167476	D
JTB	jumping translocation breakpoint	ENSG00000143543	U
JUNB	jun B proto-oncogene	ENSG00000171223	D
JUP	junction plakoglobin	ENSG00000173801	U
KAAG1	kidney associated antigen 1	ENSG00000146049	D
KAL1	Kallmann syndrome 1 sequence	ENSG00000011201	D
KANK1	KN motif and ankyrin repeat domains 1	ENSG00000107104	U
KANK2	KN motif and ankyrin repeat domains 2	ENSG00000197256	U
KANK3	KN motif and ankyrin repeat domains 3	ENSG00000186994	U
KANK4	KN motif and ankyrin repeat domains 4	ENSG00000132854	U
KANSL1	KAT8 regulatory NSL complex subunit 1	ENSG00000120071	U
KANSL1L	KAT8 regulatory NSL complex subunit 1-like	ENSG00000144445	D
KANSL2	KAT8 regulatory NSL complex subunit 2	ENSG00000139620	U
KARS	lysyl-tRNA synthetase	ENSG00000065427	U
KAT2A	K(lysine) acetyltransferase 2A	ENSG00000108773	U
KAT2B	K(lysine) acetyltransferase 2B	ENSG00000114166	U
KAT8	K(lysine) acetyltransferase 8	ENSG00000103510	U
KATNAL1	katanin p60 subunit A-like 1	ENSG00000102781	D
KATNAL2	katanin p60 subunit A-like 2	ENSG00000167216	D
KBTBD3	kelch repeat and BTB (POZ) domain containing 3	ENSG00000182359	D
KBTBD5	kelch repeat and BTB (POZ) domain containing 5	ENSG00000157119	D
KBTBD6	kelch repeat and BTB (POZ) domain containing 6	ENSG00000165572	D
KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	ENSG00000111262	D

KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	ENSG00000177272	D
KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	ENSG00000182255	D
KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	ENSG00000151079	D
KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	ENSG00000104848	D
KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	ENSG00000069424	D
KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	ENSG00000170049	D
KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	ENSG00000158445	D
KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	ENSG00000182674	D
KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	ENSG00000166006	D
KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	ENSG00000131398	D
KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	ENSG00000116396	D
KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	ENSG00000102057	D
KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	ENSG00000184408	D
KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	ENSG00000171385	D
KCNE4	potassium voltage-gated channel, Isk-related family, member 4	ENSG00000152049	D
KCNG2	potassium voltage-gated channel, subfamily G, member 2	ENSG00000178342	D
KCNG4	potassium voltage-gated channel, subfamily G, member 4	ENSG00000168418	D
KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	ENSG00000143473	D
KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	ENSG00000055118	D
KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	ENSG00000135519	D
KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	ENSG00000089558	D
KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	ENSG00000140015	D
KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	ENSG00000184611	D
KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	ENSG00000183960	D
KCNIP2	Kv channel interacting protein 2	ENSG00000120049	D

KCNIP4	Kv channel interacting protein 4	ENSG00000185774	D
KCNJ11	potassium inwardly-rectifying channel, subfamily J, member 11	ENSG00000187486	D
KCNJ12	potassium inwardly-rectifying channel, subfamily J, member 12	ENSG00000184185	D
KCNJ13	potassium inwardly-rectifying channel, subfamily J, member 13	ENSG00000115474	D
KCNJ14	potassium inwardly-rectifying channel, subfamily J, member 14	ENSG00000182324	D
KCNJ15	potassium inwardly-rectifying channel, subfamily J, member 15	ENSG00000157551	D
KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	ENSG00000123700	U
KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	ENSG00000157542	D
KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	ENSG00000162728	D
KCNK10	potassium channel, subfamily K, member 10	ENSG00000100433	D
KCNK12	potassium channel, subfamily K, member 12	ENSG00000184261	U
KCNK16	potassium channel, subfamily K, member 16	ENSG00000095981	D
KCNK17	potassium channel, subfamily K, member 17	ENSG00000124780	D
KCNK18	potassium channel, subfamily K, member 18	ENSG00000186795	D
KCNK2	potassium channel, subfamily K, member 2	ENSG00000082482	D
KCNK3	potassium channel, subfamily K, member 3	ENSG00000171303	U
KCNK5	potassium channel, subfamily K, member 5	ENSG00000164626	U
KCNK7	potassium channel, subfamily K, member 7	ENSG00000173338	D
KCNK9	potassium channel, subfamily K, member 9	ENSG00000169427	D
KCNMB2	potassium large conductance calcium-activated channel, subfamily M, beta member 2	ENSG00000197584	D
KCNN1	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1	ENSG00000105642	D
KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	ENSG00000080709	D
KCNN3	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3	ENSG00000143603	D
KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	ENSG00000104783	U
KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	ENSG00000053918	D

KCNQ1DN	KCNQ1 downstream neighbor (non-protein coding)	NA	D
KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	ENSG00000075043	D
KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	ENSG00000184156	D
KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	ENSG00000117013	D
KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	ENSG00000185760	D
KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	ENSG00000124134	D
KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	ENSG00000156486	D
KCNT1	potassium channel, subfamily T, member 1	ENSG00000107147	D
KCNV1	potassium channel, subfamily V, member 1	ENSG00000164794	D
KCTD1	potassium channel tetramerisation domain containing 1	ENSG00000134504	D
KCTD12	potassium channel tetramerisation domain containing 12	ENSG00000178695	U
KCTD14	potassium channel tetramerisation domain containing 14	ENSG00000151364	U
KCTD17	potassium channel tetramerisation domain containing 17	ENSG00000100379	U
KCTD20	potassium channel tetramerisation domain containing 20	ENSG00000112078	U
KCTD3	potassium channel tetramerisation domain containing 3	ENSG00000136636	U
KCTD5	potassium channel tetramerisation domain containing 5	ENSG00000167977	U
KDEL	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	ENSG00000105438	U
KDELR1	receptor 1	ENSG00000105438	U
KDM1A	lysine (K)-specific demethylase 1A	ENSG00000004487	U
KDM1B	lysine (K)-specific demethylase 1B	ENSG00000165097	D
KDM2A	lysine (K)-specific demethylase 2A	ENSG00000173120	U
KDM3B	lysine (K)-specific demethylase 3B	ENSG00000120733	U
KDM4A	lysine (K)-specific demethylase 4A	ENSG00000066135	D
KDM4D	lysine (K)-specific demethylase 4D	ENSG00000186280	D
KDM5A	lysine (K)-specific demethylase 5A	ENSG00000073614	U
KDM5B	lysine (K)-specific demethylase 5B	ENSG00000117139	U
KDM8	lysine (K)-specific demethylase 8	ENSG00000155666	D
KEL	Kell blood group, metallo-endopeptidase	ENSG00000197993	D

KERA	keratocan	ENSG00000139330	D
KHDC1	KH homology domain containing 1	ENSG00000135314	D
KHDRBS1	KH domain containing, RNA binding, signal transduction associated 1	ENSG00000121774	U
KHK	ketohehexokinase (fructokinase)	ENSG00000138030	D
KHNYN	KH and NYN domain containing	ENSG00000100441	U
KHSRP	KH-type splicing regulatory protein	ENSG00000088247	U
KIAA0020	KIAA0020	ENSG00000080608	U
KIAA0100	KIAA0100	ENSG00000007202	U
KIAA0141	KIAA0141	ENSG00000081791	U
KIAA0195	KIAA0195	ENSG00000177728	U
KIAA0196	KIAA0196	ENSG00000164961	U
KIAA0240	KIAA0240	ENSG00000112624	U
KIAA0247	KIAA0247	ENSG00000100647	U
KIAA0430	KIAA0430	ENSG00000166783	U
KIAA0494	KIAA0494	ENSG00000159658	U
KIAA0528	KIAA0528	ENSG00000111731	U
KIAA0825	KIAA0825	ENSG00000185261	D
KIAA0907	KIAA0907	ENSG00000132680	U
KIAA0930	KIAA0930	ENSG00000100364	D
KIAA1191	KIAA1191	ENSG00000122203	U
KIAA1199	KIAA1199	ENSG00000103888	U
KIAA1377	KIAA1377	ENSG00000110318	D
KIAA1407	KIAA1407	ENSG00000163617	D
KIAA1456	KIAA1456	ENSG00000250305	D
KIAA1467	KIAA1467	ENSG00000084444	U
KIAA1522	KIAA1522	ENSG00000162522	U
KIAA1524	KIAA1524	ENSG00000163507	D
KIAA1586	KIAA1586	ENSG00000168116	D
KIAA1598	KIAA1598	ENSG00000187164	U
KIAA1683	KIAA1683	ENSG00000130518	D

KIAA1715	KIAA1715	ENSG00000144320	D
KIAA1755	KIAA1755	ENSG00000149633	D
KIAA1804	mixed lineage kinase 4	ENSG00000143674	D
KIAA1841	KIAA1841	ENSG00000162929	D
KIAA2013	KIAA2013	ENSG00000116685	U
KIAA2022	KIAA2022	ENSG00000050030	D
KIAA2026	KIAA2026	ENSG00000183354	U
KIDINS220	kinase D-interacting substrate, 220kDa	ENSG00000134313	U
KIF19	kinesin family member 19	ENSG00000196169	D
KIF1A	kinesin family member 1A	ENSG00000130294	D
KIF21A	kinesin family member 21A	ENSG00000139116	U
KIF21B	kinesin family member 21B	ENSG00000116852	D
KIF25	kinesin family member 25	ENSG00000125337	D
KIF27	kinesin family member 27	ENSG00000165115	D
KIF2A	kinesin heavy chain member 2A	ENSG00000068796	U
KIF2B	kinesin family member 2B	ENSG00000141200	D
KIF3A	kinesin family member 3A	ENSG00000131437	D
KIF3C	kinesin family member 3C	ENSG00000084731	D
KIF5A	kinesin family member 5A	ENSG00000155980	D
KIF5B	kinesin family member 5B	ENSG00000170759	U
KIF9	kinesin family member 9	ENSG00000088727	D
KIFAP3	kinesin-associated protein 3	ENSG00000075945	U
KIN	KIN, antigenic determinant of recA protein homolog (mouse)	ENSG00000151657	D
KIR2DL2	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2	NA	D
KIR2DL4	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4	ENSG00000189013	D
KIR2DL5A	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 5A	NA	D

KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	ENSG00000221957	D
KIR3DL1	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	ENSG00000167633	D
KIR3DL3	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 3	ENSG00000242019	D
KIR3DX1	killer cell immunoglobulin-like receptor, three domains, X1	NA	D
KIRREL	kin of IRRE like (Drosophila)	ENSG00000183853	D
KIRREL3	kin of IRRE like 3 (Drosophila)	ENSG00000149571	D
KISS1R	KISS1 receptor	ENSG00000116014	D
KITLG	KIT ligand	ENSG00000049130	D
KL	klotho	ENSG00000133116	U
KLB	klotho beta	ENSG00000134962	D
KLC1	kinesin light chain 1	ENSG00000256500	I U
KLC3	kinesin light chain 3	ENSG00000104892	D
KLF12	Kruppel-like factor 12	ENSG00000118922	D
KLF13	Kruppel-like factor 13	ENSG00000169926	U
KLF14	Kruppel-like factor 14	ENSG00000174595	D
KLF16	Kruppel-like factor 16	ENSG00000129911	D
KLF17	Kruppel-like factor 17	ENSG00000171872	D
KLF4	Kruppel-like factor 4 (gut)	ENSG00000136826	U
KLF6	Kruppel-like factor 6	ENSG00000067082	U
KLF8	Kruppel-like factor 8	ENSG00000102349	D
KLHDC2	kelch domain containing 2	ENSG00000165516	U
KLHDC5	kelch domain containing 5	ENSG00000087448	U
KLHDC7A	kelch domain containing 7A	ENSG00000179023	D
KLHDC7B	kelch domain containing 7B	ENSG00000130487	D
KLHDC8A	kelch domain containing 8A	ENSG00000162873	D
KLHL13	kelch-like 13 (Drosophila)	ENSG00000003096	D
KLHL14	kelch-like 14 (Drosophila)	ENSG00000197705	D

KLHL15	kelch-like 15 (Drosophila)	ENSG00000174010	D
KLHL22	kelch-like 22 (Drosophila)	ENSG00000099910	U
KLHL3	kelch-like 3 (Drosophila)	ENSG00000146021	U
KLHL36	kelch-like 36 (Drosophila)	ENSG00000135686	U
KLHL4	kelch-like 4 (Drosophila)	ENSG00000102271	D
KLHL6	kelch-like 6 (Drosophila)	ENSG00000172578	D
KLHL9	kelch-like 9 (Drosophila)	ENSG00000198642	U
KLK1	kallikrein 1	ENSG00000167748	D
KLK10	kallikrein-related peptidase 10	ENSG00000129451	D
KLK12	kallikrein-related peptidase 12	ENSG00000186474	D
KLK13	kallikrein-related peptidase 13	ENSG00000167759	D
KLK15	kallikrein-related peptidase 15	ENSG00000174562	D
KLK2	kallikrein-related peptidase 2	ENSG00000167751	D
KLK3	kallikrein-related peptidase 3	ENSG00000142515	D
KLK5	kallikrein-related peptidase 5	ENSG00000167754	D
KLK6	kallikrein-related peptidase 6	ENSG00000167755	D
KLK7	kallikrein-related peptidase 7	ENSG00000169035	D
KLK8	kallikrein-related peptidase 8	ENSG00000129455	D
KLK9	kallikrein-related peptidase 9	ENSG00000213022	D
KLKB1	kallikrein B, plasma (Fletcher factor) 1	ENSG00000164344	D
KLRAP1	killer cell lectin-like receptor subfamily A pseudogene 1	NA	D
KLRB1	killer cell lectin-like receptor subfamily B, member 1	ENSG00000111796	D
KLRC1	killer cell lectin-like receptor subfamily C, member 1	ENSG00000134545	D
KLRC3	killer cell lectin-like receptor subfamily C, member 3	ENSG00000205810	D
KLRF1	killer cell lectin-like receptor subfamily F, member 1	ENSG00000150045	D
KLRG1	killer cell lectin-like receptor subfamily G, member 1	ENSG00000139187	D
KLRG2	killer cell lectin-like receptor subfamily G, member 2	ENSG00000188883	D
KMO	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	ENSG00000117009	U
KNCN	kinocilin	ENSG00000162456	D
KNDC1	kinase non-catalytic C-lobe domain (KIND) containing 1	ENSG00000171798	D

KPNA1	karyopherin alpha 1 (importin alpha 5)	ENSG00000114030	U
KPNA4	karyopherin alpha 4 (importin alpha 3)	ENSG00000186432	U
KPNA6	karyopherin alpha 6 (importin alpha 7)	ENSG00000025800	U
KRCC1	lysine-rich coiled-coil 1	ENSG00000172086	U
KRT10	keratin 10	ENSG00000186395	U
KRT12	keratin 12	ENSG00000187242	D
KRT13	keratin 13	ENSG00000171401	D
KRT16	keratin 16	ENSG00000186832	D
KRT18	keratin 18	ENSG00000111057	U
KRT2	keratin 2	ENSG00000172867	D
KRT20	keratin 20	ENSG00000171431	D
KRT222	keratin 222	ENSG00000213424	D
KRT23	keratin 23 (histone deacetylase inducible)	ENSG00000108244	U
KRT25	keratin 25	ENSG00000204897	D
KRT26	keratin 26	ENSG00000186393	D
KRT28	keratin 28	ENSG00000173908	D
KRT32	keratin 32	ENSG00000108759	D
KRT33A	keratin 33A	ENSG00000006059	D
KRT33B	keratin 33B	ENSG00000131738	D
KRT36	keratin 36	ENSG00000126337	D
KRT37	keratin 37	ENSG00000108417	D
KRT38	keratin 38	ENSG00000171360	D
KRT4	keratin 4	ENSG00000170477	D
KRT5	keratin 5	ENSG00000186081	D
KRT6B	keratin 6B	ENSG00000185479	D
KRT6C	keratin 6C	ENSG00000170465	D
KRT7	keratin 7	ENSG00000135480	U
KRT71	keratin 71	ENSG00000139648	D
KRT72	keratin 72	ENSG00000170486	D
KRT73	keratin 73	ENSG00000186049	D

KRT75	keratin 75	ENSG00000170454	D
KRT76	keratin 76	ENSG00000185069	D
KRT77	keratin 77	ENSG00000189182	D
KRT78	keratin 78	ENSG00000170423	D
KRT79	keratin 79	ENSG00000185640	D
KRT81	keratin 81	ENSG00000205426	U
KRT82	keratin 82	ENSG00000161850	D
KRT83	keratin 83	ENSG00000170523	D
KRT85	keratin 85	ENSG00000135443	D
KRT9	keratin 9	ENSG00000171403	D
KRTAP1-3	keratin associated protein 1-3	ENSG00000221880	D
KRTAP10-10	keratin associated protein 10-10	ENSG00000221859	D
KRTAP11-1	keratin associated protein 11-1	ENSG00000182591	D
KRTAP12-1	keratin associated protein 12-1	ENSG00000187175	D
KRTAP13-2	keratin associated protein 13-2	ENSG00000182816	D
KRTAP13-3	keratin associated protein 13-3	ENSG00000240432	D
KRTAP13-4	keratin associated protein 13-4	ENSG00000186971	D
KRTAP15-1	keratin associated protein 15-1	ENSG00000186970	D
KRTAP17-1	keratin associated protein 17-1	ENSG00000186860	D
KRTAP4-1	keratin associated protein 4-1	NA	D
KRTAP4-12	keratin associated protein 4-12	ENSG00000213416	D
KRTAP4-2	keratin associated protein 4-2	ENSG00000244537	D
KRTAP4-5	keratin associated protein 4-5	ENSG00000198271	D
KRTAP5-9	keratin associated protein 5-9	ENSG00000254997	D
KRTAP8-1	keratin associated protein 8-1	ENSG00000183640	D
KRTAP9-3	keratin associated protein 9-3	ENSG00000204873	D
KRTDAP	keratinocyte differentiation-associated protein	ENSG00000188508	D
KSR2	kinase suppressor of ras 2	ENSG00000171435	D
KTI12	KTI12 homolog, chromatin associated (<i>S. cerevisiae</i>)	ENSG00000198841	U
KXD1	KxDL motif containing 1	ENSG00000105700	U

KYNU	kynureninase	ENSG00000115919	U
L1TD1	LINE-1 type transposase domain containing 1	ENSG00000240563	U
L3MBTL4	l(3)mbt-like 4 (Drosophila)	ENSG00000154655	D
LAD1	ladinin 1	ENSG00000159166	U
LAG3	lymphocyte-activation gene 3	ENSG00000089692	D
LAGE3	L antigen family, member 3	ENSG00000196976	U
LALBA	lactalbumin, alpha-	ENSG00000167531	D
LAMA2	laminin, alpha 2	ENSG00000196569	U
LAMB1	laminin, beta 1	ENSG00000091136	U
LAMB2	laminin, beta 2 (laminin S)	ENSG00000172037	U
LAMP2	lysosomal-associated membrane protein 2	ENSG00000005893	U
LAMP5	lysosomal-associated membrane protein family, member 5	ENSG00000125869	D
LAMTOR2	late endosomal/lysosomal adaptor, MAPK and MTOR activator 2	ENSG00000116586	U
LAMTOR3	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3	ENSG00000109270	U
LANCL3	LanC lantibiotic synthetase component C-like 3 (bacterial)	ENSG00000147036	D
LAP3	leucine aminopeptidase 3	ENSG00000002549	U
LAPTM4B	lysosomal protein transmembrane 4 beta	ENSG00000104341	U
LAPTM5	lysosomal protein transmembrane 5	ENSG00000162511	U
LARP1	La ribonucleoprotein domain family, member 1	ENSG00000155506	U
LARP4B	La ribonucleoprotein domain family, member 4B	NA	U
LARP7	La ribonucleoprotein domain family, member 7	ENSG00000174720	U
LAX1	lymphocyte transmembrane adaptor 1	ENSG00000122188	D
LBP	lipopolysaccharide binding protein	ENSG00000129988	D
LBX1	ladybird homeobox 1	ENSG00000138136	D
LBX2	ladybird homeobox 2	ENSG00000179528	D
LCA5	Leber congenital amaurosis 5	ENSG00000135338	D
LCE1C	late cornified envelope 1C	ENSG00000197084	D
LCE1D	late cornified envelope 1D	ENSG00000172155	D
LCE1E	late cornified envelope 1E	ENSG00000186226	D
LCE2A	late cornified envelope 2A	ENSG00000187173	D

LCE2B	late cornified envelope 2B	ENSG00000159455	D
LCE2C	late cornified envelope 2C	ENSG00000187180	D
LCE2D	late cornified envelope 2D	ENSG00000187223	D
LCE3A	late cornified envelope 3A	ENSG00000185962	D
LCE3B	late cornified envelope 3B	ENSG00000187238	D
LCE3C	late cornified envelope 3C	ENSG00000244057	D
LCE3E	late cornified envelope 3E	ENSG00000185966	D
LCE4A	late cornified envelope 4A	ENSG00000187170	D
LCE5A	late cornified envelope 5A	ENSG00000186207	D
LCK	lymphocyte-specific protein tyrosine kinase	ENSG00000182866	D
LCMT1	leucine carboxyl methyltransferase 1	ENSG00000205629	U
LCN1	lipocalin 1	ENSG00000160349	D
LCN15	lipocalin 15	ENSG00000177984	D
LCN8	lipocalin 8	ENSG00000204001	D
LCOR	ligand dependent nuclear receptor corepressor	ENSG00000196233	U
LCORL	ligand dependent nuclear receptor corepressor-like	ENSG00000178177	D
LCT	lactase	ENSG00000115850	D
LDB3	LIM domain binding 3	ENSG00000122367	D
LDHAL6A	lactate dehydrogenase A-like 6A	ENSG00000166800	D
LDHAL6B	lactate dehydrogenase A-like 6B	ENSG00000171989	D
LDHB	lactate dehydrogenase B	ENSG00000111716	U
LDHC	lactate dehydrogenase C	ENSG00000166796	D
LDLR	low density lipoprotein receptor	ENSG00000130164	U
LEAP2	liver expressed antimicrobial peptide 2	ENSG00000164406	D
LECT1	leukocyte cell derived chemotaxin 1	ENSG00000136110	D
LEFTY1	left-right determination factor 1	ENSG00000243709	D
LEMD1	LEM domain containing 1	ENSG00000186007	D
LEMD2	LEM domain containing 2	ENSG00000161904	U
LEMD3	LEM domain containing 3	ENSG00000174106	U
LENG9	leukocyte receptor cluster (LRC) member 9	ENSG00000182909	D

LEPR	leptin receptor	ENSG00000116678	D
LEPRE1	leucine proline-enriched proteoglycan (leprecan) 1	ENSG00000117385	U
LEPREL1	leprecan-like 1	ENSG00000090530	U
LEPREL2	leprecan-like 2	ENSG00000110811	U
LEPREL4	leprecan-like 4	ENSG00000141696	U
LEPROTL1	leptin receptor overlapping transcript-like 1	ENSG00000104660	U
LETM2	leucine zipper-EF-hand containing transmembrane protein 2	ENSG00000165046	D
LFNG	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	ENSG00000106003	U
LGALS2	lectin, galactoside-binding, soluble, 2	ENSG00000100079	D
LGALS3	lectin, galactoside-binding, soluble, 3	ENSG00000131981	U
LGALS3BP	lectin, galactoside-binding, soluble, 3 binding protein	ENSG00000108679	U
LGALS7	lectin, galactoside-binding, soluble, 7	ENSG00000205076	D
LGALS9C	lectin, galactoside-binding, soluble, 9C	ENSG00000171916	D
LGALSL	lectin, galactoside-binding-like	ENSG00000119862	U
LGR4	leucine-rich repeat containing G protein-coupled receptor 4	ENSG00000205213	U
LGR6	leucine-rich repeat containing G protein-coupled receptor 6	ENSG00000133067	D
LGSN	lengsin, lens protein with glutamine synthetase domain	ENSG00000146166	D
LHCGR	luteinizing hormone/choriogonadotropin receptor	ENSG00000138039	D
LHFP	lipoma HMGIC fusion partner	ENSG00000183722	U
LHFPL1	lipoma HMGIC fusion partner-like 1	ENSG00000182508	D
LHFPL2	lipoma HMGIC fusion partner-like 2	ENSG00000145685	U
LHFPL4	lipoma HMGIC fusion partner-like 4	ENSG00000156959	D
LHPP	phospholysine phosphohistidine inorganic pyrophosphate phosphatase	ENSG00000107902	U
LHX1	LIM homeobox 1	ENSG00000132130	D
LHX3	LIM homeobox 3	ENSG00000107187	D
LHX5	LIM homeobox 5	ENSG00000089116	D
LHX9	LIM homeobox 9	ENSG00000143355	D
LIF	leukemia inhibitory factor	ENSG00000128342	D
LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	ENSG00000104974	D

LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	ENSG00000239998	D
LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	ENSG00000170866	D
LILRA4	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4	ENSG00000239961	D
LILRA5	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 5	ENSG00000187116	D
LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	ENSG00000131042	D
LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	ENSG00000204577	U
LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	ENSG00000186818	D
LIMA1	LIM domain and actin binding 1	ENSG00000050405	U
LIMCH1	LIM and calponin homology domains 1	ENSG00000064042	U
LIMS1	LIM and senescent cell antigen-like domains 1	ENSG00000169756	U
LINC00085	long intergenic non-protein coding RNA 85	NA	D
LINC00114	long intergenic non-protein coding RNA 114	NA	D
LINC00158	long intergenic non-protein coding RNA 158	NA	D
LINC00167	long intergenic non-protein coding RNA 167	NA	D
LINC00176	long intergenic non-protein coding RNA 176	NA	D
LINC00312	long intergenic non-protein coding RNA 312	NA	D
LINC00469	long intergenic non-protein coding RNA 469	NA	D
LINC00470	long intergenic non-protein coding RNA 470	NA	D
LINC00471	long intergenic non-protein coding RNA 471	NA	D
LINC00477	long intergenic non-protein coding RNA 477	NA	D
LINC00482	long intergenic non-protein coding RNA 482	NA	U
LINC00574	long intergenic non-protein coding RNA 574	NA	D
LINC00597	long intergenic non-protein coding RNA 597	NA	D

LINC00602	long intergenic non-protein coding RNA 602	NA	D
LINC00652	long intergenic non-protein coding RNA 652	NA	D
LINGO2	leucine rich repeat and Ig domain containing 2	ENSG00000174482	D
LINGO4	leucine rich repeat and Ig domain containing 4	ENSG00000213171	D
LIPC	lipase, hepatic	ENSG00000166035	D
LIPF	lipase, gastric	ENSG00000182333	D
LIPG	lipase, endothelial	ENSG00000101670	U
LIPH	lipase, member H	ENSG00000163898	D
LIX1	Lix1 homolog (chicken)	ENSG00000145721	D
LMAN2	lectin, mannose-binding 2	ENSG00000169223	U
LMAN2L	lectin, mannose-binding 2-like	ENSG00000114988	U
LMBR1	limb region 1 homolog (mouse)	ENSG00000105983	U
LMBR1L	limb region 1 homolog (mouse)-like	ENSG00000139636	U
LMBRD2	LMBR1 domain containing 2	ENSG00000164187	D
LMCD1	LIM and cysteine-rich domains 1	ENSG00000071282	U
LMF2	lipase maturation factor 2	ENSG00000100258	U
LMLN	leishmanolysin-like (metallopeptidase M8 family)	ENSG00000185621	D
LMNA	lamin A/C	ENSG00000160789	U
LMNB1	lamin B1	ENSG00000113368	D
LMNB2	lamin B2	ENSG00000176619	U
LMO1	LIM domain only 1 (rhombotin 1)	ENSG00000166407	D
LMO2	LIM domain only 2 (rhombotin-like 1)	ENSG00000135363	U
LMO3	LIM domain only 3 (rhombotin-like 2)	ENSG00000048540	D
LMTK2	lemur tyrosine kinase 2	ENSG00000164715	D
LNPEP	leucyl/cystinyl aminopeptidase	ENSG00000113441	U
LOC283174	uncharacterized LOC283174	NA	D
LOC339524	uncharacterized LOC339524	NA	D
LOC388882	uncharacterized LOC388882	NA	D
LOC389607	uncharacterized LOC389607	NA	D
LOC389791	uncharacterized LOC389791	NA	D

LOC399900	uncharacterized LOC399900	NA	D
LOC400891	chromosome 14 open reading frame 166B pseudogene	NA	D
LOC401052	uncharacterized LOC401052	NA	D
LOC541473	FK506 binding protein 6, 36kDa pseudogene	NA	D
LOC81691	exonuclease NEF-sp	ENSG00000005189	D
LOC84856	uncharacterized LOC84856	NA	D
LOC84931	uncharacterized LOC84931	NA	D
LONP1	lon peptidase 1, mitochondrial	ENSG00000196365	U
LONP2	lon peptidase 2, peroxisomal	ENSG00000102910	U
LOR	loricrin	ENSG00000203782	D
LOXHD1	lipoxygenase homology domains 1	ENSG00000167210	D
LOXL2	lysyl oxidase-like 2	ENSG00000134013	D
LPAL2	lipoprotein, Lp(a)-like 2, pseudogene	NA	D
LPAR3	lysophosphatidic acid receptor 3	ENSG00000171517	D
LPAR4	lysophosphatidic acid receptor 4	ENSG00000147145	D
LPAR6	lysophosphatidic acid receptor 6	ENSG00000139679	U
LPCAT1	lysophosphatidylcholine acyltransferase 1	ENSG00000153395	U
LPHN2	latrophilin 2	ENSG00000117114	U
LPIN1	lipin 1	ENSG00000134324	U
LPIN2	lipin 2	ENSG00000101577	U
LPIN3	lipin 3	ENSG00000132793	D
LPL	lipoprotein lipase	ENSG00000175445	U
LPO	lactoperoxidase	ENSG00000167419	D
LPPR1	lipid phosphate phosphatase-related protein type 1	ENSG00000148123	D
LPPR4	lipid phosphate phosphatase-related protein type 4	ENSG00000117600	D
LRAT	lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase)	ENSG00000121207	D
LRCH1	leucine-rich repeats and calponin homology (CH) domain containing 1	ENSG00000136141	D
LRFN2	leucine rich repeat and fibronectin type III domain containing 2	ENSG00000156564	D
LRFN5	leucine rich repeat and fibronectin type III domain containing 5	ENSG00000165379	D

LRGUK	leucine-rich repeats and guanylate kinase domain containing	ENSG00000155530	D
LRIF1	ligand dependent nuclear receptor interacting factor 1	ENSG00000121931	D
LRIT2	leucine-rich repeat, immunoglobulin-like and transmembrane domains 2	ENSG00000204033	D
LRP1	low density lipoprotein receptor-related protein 1	ENSG00000123384	U
LRP11	low density lipoprotein receptor-related protein 11	ENSG00000120256	U
LRP12	low density lipoprotein receptor-related protein 12	ENSG00000147650	D
LRP2	low density lipoprotein receptor-related protein 2	ENSG00000081479	U
LRP4	low density lipoprotein receptor-related protein 4	ENSG00000134569	D
LRP5	low density lipoprotein receptor-related protein 5	ENSG00000162337	U
LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	ENSG00000157193	U
LRPAP1	low density lipoprotein receptor-related protein associated protein 1	ENSG00000163956	U
LRRC1	leucine rich repeat containing 1	ENSG00000137269	U
LRRC16B	leucine rich repeat containing 16B	ENSG00000186648	D
LRRC17	leucine rich repeat containing 17	ENSG00000128606	D
LRRC18	leucine rich repeat containing 18	ENSG00000165383	D
LRRC2	leucine rich repeat containing 2	ENSG00000163827	D
LRRC27	leucine rich repeat containing 27	ENSG00000148814	D
LRRC3	leucine rich repeat containing 3	ENSG00000160233	D
LRRC31	leucine rich repeat containing 31	ENSG00000114248	D
LRRC32	leucine rich repeat containing 32	ENSG00000137507	U
LRRC34	leucine rich repeat containing 34	ENSG00000171757	D
LRRC37A2	leucine rich repeat containing 37, member A2	ENSG00000238083	D
LRRC37A3	leucine rich repeat containing 37, member A3	ENSG00000176809	D
LRRC39	leucine rich repeat containing 39	ENSG00000122477	D
LRRC3B	leucine rich repeat containing 3B	ENSG00000179796	D
LRRC4	leucine rich repeat containing 4	ENSG00000128594	D
LRRC41	leucine rich repeat containing 41	ENSG00000132128	U
LRRC42	leucine rich repeat containing 42	ENSG00000116212	U
LRRC46	leucine rich repeat containing 46	ENSG00000141294	D

LRRC47	leucine rich repeat containing 47	ENSG00000130764	U
LRRC48	leucine rich repeat containing 48	ENSG00000171962	D
LRRC49	leucine rich repeat containing 49	ENSG00000137821	D
LRRC4C	leucine rich repeat containing 4C	ENSG00000148948	D
LRRC55	leucine rich repeat containing 55	ENSG00000183908	D
LRRC59	leucine rich repeat containing 59	ENSG00000108829	D
LRRC7	leucine rich repeat containing 7	ENSG00000033122	D
LRRC8A	leucine rich repeat containing 8 family, member A	ENSG00000136802	U
LRRC8B	leucine rich repeat containing 8 family, member B	ENSG00000197147	D
LRRC8D	leucine rich repeat containing 8 family, member D	ENSG00000171492	U
LRRCC1	leucine rich repeat and coiled-coil centrosomal protein 1	ENSG00000133739	D
LRRFIP1	leucine rich repeat (in FLII) interacting protein 1	ENSG00000124831	U
LRRIQ3	leucine-rich repeats and IQ motif containing 3	ENSG00000162620	D
LRRK2	leucine-rich repeat kinase 2	ENSG00000188906	D
LRRN1	leucine rich repeat neuronal 1	ENSG00000175928	D
LRRN2	leucine rich repeat neuronal 2	ENSG00000170382	D
LRRN4	leucine rich repeat neuronal 4	ENSG00000125872	D
LRRTM1	leucine rich repeat transmembrane neuronal 1	ENSG00000162951	D
LRRTM3	leucine rich repeat transmembrane neuronal 3	ENSG00000198739	D
LRRTM4	leucine rich repeat transmembrane neuronal 4	ENSG00000176204	D
LSM1	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)	ENSG00000175324	U
LSM10	LSM10, U7 small nuclear RNA associated	ENSG00000181817	U
LSM11	LSM11, U7 small nuclear RNA associated	ENSG00000155858	D
LSM4	LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae)	ENSG00000130520	U
LSM5	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae)	ENSG00000106355	U
LSM7	LSM7 homolog, U6 small nuclear RNA associated (S. cerevisiae)	ENSG00000130332	U
LTA	lymphotoxin alpha (TNF superfamily, member 1)	ENSG00000226979	D
LTA4H	leukotriene A4 hydrolase	ENSG00000111144	U
LTB4R2	leukotriene B4 receptor 2	ENSG00000213906	D
LTBP4	latent transforming growth factor beta binding protein 4	ENSG00000090006	U

LTBR	lymphotoxin beta receptor (TNFR superfamily, member 3)	ENSG00000111321	U
LTN1	listerin E3 ubiquitin protein ligase 1	ENSG00000198862	U
LTV1	LTV1 homolog (<i>S. cerevisiae</i>)	ENSG00000135521	U
LUZP2	leucine zipper protein 2	ENSG00000187398	D
LY6G5C	lymphocyte antigen 6 complex, locus G5C	ENSG00000204428	D
LY6G6C	lymphocyte antigen 6 complex, locus G6C	ENSG00000204421	U
LY6G6F	lymphocyte antigen 6 complex, locus G6F	ENSG00000204424	D
LY6H	lymphocyte antigen 6 complex, locus H	ENSG00000176956	D
LY6K	lymphocyte antigen 6 complex, locus K	ENSG00000160886	D
LY75	lymphocyte antigen 75	ENSG00000054219	D
LY9	lymphocyte antigen 9	ENSG00000122224	D
LY96	lymphocyte antigen 96	ENSG00000154589	U
LYG2	lysozyme G-like 2	ENSG00000185674	D
LYNX1	Ly6/neurotoxin 1	ENSG00000180155	D
LYPD1	LY6/PLAUR domain containing 1	ENSG00000150551	D
LYPD2	LY6/PLAUR domain containing 2	ENSG00000197353	D
LYPD3	LY6/PLAUR domain containing 3	ENSG00000124466	U
LYPD5	LY6/PLAUR domain containing 5	ENSG00000159871	U
LYPD6B	LY6/PLAUR domain containing 6B	ENSG00000150556	D
LYPLA1	lysophospholipase I	ENSG00000120992	U
LYPLA2	lysophospholipase II	ENSG00000011009	U
LYRM1	LYR motif containing 1	ENSG00000102897	U
LYRM2	LYR motif containing 2	ENSG00000083099	U
LYRM5	LYR motif containing 5	ENSG00000205707	U
LYVE1	lymphatic vessel endothelial hyaluronan receptor 1	ENSG00000133800	U
LYZL1	lysozyme-like 1	ENSG00000120563	D
LYZL2	lysozyme-like 2	ENSG00000151033	D
LYZL6	lysozyme-like 6	ENSG00000161572	D
LZTFL1	leucine zipper transcription factor-like 1	ENSG00000163818	D
LZTR1	leucine-zipper-like transcription regulator 1	ENSG00000099949	U

LZTS2	leucine zipper, putative tumor suppressor 2	ENSG00000107816	U
M6PR	mannose-6-phosphate receptor (cation dependent)	ENSG00000003056	U
MAB21L1	mab-21-like 1 (C. elegans)	ENSG00000180660	D
MAB21L2	mab-21-like 2 (C. elegans)	ENSG00000181541	D
MAB21L3	mab-21-like 3 (C. elegans)	ENSG00000173212	D
MACROD2	MACRO domain containing 2	ENSG00000172264	D
MAD2L2	MAD2 mitotic arrest deficient-like 2 (yeast)	ENSG00000116670	U
MADCAM1	mucosal vascular addressin cell adhesion molecule 1	ENSG00000099866	D
MAEA	macrophage erythroblast attacher	ENSG00000090316	U
MAF1	MAF1 homolog (S. cerevisiae)	ENSG00000179632	U
MAFA	v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian)	ENSG00000182759	D
MAFB	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	ENSG00000204103	U
MAFF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	ENSG00000185022	U
MAGEA1	melanoma antigen family A, 1 (directs expression of antigen MZ2-E)	ENSG00000198681	D
MAGEA10	melanoma antigen family A, 10	ENSG00000124260	U
MAGEA12	melanoma antigen family A, 12	ENSG00000213401	D
MAGEA8	melanoma antigen family A, 8	ENSG00000156009	U
MAGEB10	melanoma antigen family B, 10	ENSG00000177689	D
MAGEB18	melanoma antigen family B, 18	ENSG00000176774	D
MAGEB2	melanoma antigen family B, 2	ENSG00000099399	D
MAGEB3	melanoma antigen family B, 3	ENSG00000198798	D
MAGEC1	melanoma antigen family C, 1	ENSG00000155495	D
MAGEC2	melanoma antigen family C, 2	ENSG00000046774	D
MAGEC3	melanoma antigen family C, 3	ENSG00000165509	D
MAGED1	melanoma antigen family D, 1	ENSG00000179222	U
MAGED4B	melanoma antigen family D, 4B	ENSG00000187243	D
MAGEE1	melanoma antigen family E, 1	ENSG00000198934	D
MAGEE2	melanoma antigen family E, 2	ENSG00000186675	D
MAGI1	membrane associated guanylate kinase, WW and PDZ domain containing 1	ENSG00000151276	D

MAGI2	membrane associated guanylate kinase, WW and PDZ domain containing 2	ENSG00000187391	D
MAGI3	membrane associated guanylate kinase, WW and PDZ domain containing 3	ENSG00000081026	D
MAGOH	mago-nashi homolog, proliferation-associated (Drosophila)	ENSG00000162385	U
MAGOHB	mago-nashi homolog B (Drosophila)	ENSG00000111196	D
MAK	male germ cell-associated kinase	ENSG00000111837	D
MAN1A2	mannosidase, alpha, class 1A, member 2	ENSG00000198162	U
MAN1B1	mannosidase, alpha, class 1B, member 1	ENSG00000177239	U
MAN2B2	mannosidase, alpha, class 2B, member 2	ENSG00000013288	U
MAN2C1	mannosidase, alpha, class 2C, member 1	ENSG00000140400	U
MANBA	mannosidase, beta A, lysosomal	ENSG00000109323	U
MANEA	mannosidase, endo-alpha	ENSG00000172469	D
MANEAL	mannosidase, endo-alpha-like	ENSG00000185090	D
MAP1LC3B	microtubule-associated protein 1 light chain 3 beta	ENSG00000140941	U
MAP1S	microtubule-associated protein 1S	ENSG00000130479	U
MAP2	microtubule-associated protein 2	ENSG00000078018	D
MAP2K1	mitogen-activated protein kinase kinase 1	ENSG00000169032	U
MAP2K4	mitogen-activated protein kinase kinase 4	ENSG00000065559	U
MAP2K6	mitogen-activated protein kinase kinase 6	ENSG00000108984	D
MAP3K11	mitogen-activated protein kinase kinase kinase 11	ENSG00000173327	U
MAP3K15	mitogen-activated protein kinase kinase kinase 15	ENSG00000180815	D
MAP3K7	mitogen-activated protein kinase kinase kinase 7	ENSG00000135341	U
MAP3K8	mitogen-activated protein kinase kinase kinase 8	ENSG00000107968	U
MAP4K2	mitogen-activated protein kinase kinase kinase kinase 2	ENSG00000168067	U
MAP6	microtubule-associated protein 6	ENSG00000171533	D
MAP7	microtubule-associated protein 7	ENSG00000135525	U
MAP7D1	MAP7 domain containing 1	ENSG00000116871	U
MAP9	microtubule-associated protein 9	ENSG00000164114	D
MAPK10	mitogen-activated protein kinase 10	ENSG00000109339	D

MAPK13	mitogen-activated protein kinase 13	ENSG00000156711	U
MAPK15	mitogen-activated protein kinase 15	ENSG00000181085	D
MAPK1IP1L	mitogen-activated protein kinase 1 interacting protein 1-like	ENSG00000168175	U
MAPK6	mitogen-activated protein kinase 6	ENSG00000069956	U
MAPK7	mitogen-activated protein kinase 7	ENSG00000166484	D
MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	ENSG00000121653	D
MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	ENSG00000138834	U
MAPK9	mitogen-activated protein kinase 9	ENSG00000050748	U
MAPKAPK3	mitogen-activated protein kinase-activated protein kinase 3	ENSG00000114738	U
MAPKAPK5- <i>AS1</i>	MAPKAPK5 antisense RNA 1	NA	U
MAPRE2	microtubule-associated protein, RP/EB family, member 2	ENSG00000166974	U
MAPRE3	microtubule-associated protein, RP/EB family, member 3	ENSG00000084764	U
MAPT	microtubule-associated protein tau	ENSG00000186868	D
MARCHF1	membrane-associated ring finger (C3HC4) 1, E3 ubiquitin protein ligase	ENSG00000145416	D
MARCHF10	membrane-associated ring finger (C3HC4) 10, E3 ubiquitin protein ligase	ENSG00000173838	D
MARCHF5	membrane-associated ring finger (C3HC4) 5	ENSG00000198060	D
MARCHF6	membrane-associated ring finger (C3HC4) 6, E3 ubiquitin protein ligase	ENSG00000145495	U
MARCHF7	membrane-associated ring finger (C3HC4) 7, E3 ubiquitin protein ligase	ENSG00000136536	U
MARCHF8	membrane-associated ring finger (C3HC4) 8, E3 ubiquitin protein ligase	ENSG00000165406	D
MARCKSL1	MARCKS-like 1	ENSG00000175130	U
MARCO	macrophage receptor with collagenous structure	ENSG00000019169	D
MARK1	MAP/microtubule affinity-regulating kinase 1	ENSG00000116141	D
MARK4	MAP/microtubule affinity-regulating kinase 4	ENSG00000007047	D
MARS	methionyl-tRNA synthetase	ENSG00000166986	U
MAS1	MAS1 oncogene	ENSG00000130368	D
MAS1L	MAS1 oncogene-like	ENSG00000204687	D
MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)	ENSG00000127241	D
MASP2	mannan-binding lectin serine peptidase 2	ENSG00000009724	D

MAT1A	methionine adenosyltransferase I, alpha	ENSG00000151224	D
MAT2B	methionine adenosyltransferase II, beta	ENSG00000038274	U
MATK	megakaryocyte-associated tyrosine kinase	ENSG00000007264	D
MATN2	matrilin 2	ENSG00000132561	U
MATN4	matrilin 4	ENSG00000124159	D
MATR3	matrin 3	ENSG00000015479	U
MB	myoglobin	ENSG00000198125	D
MB21D1	Mab-21 domain containing 1	ENSG00000164430	D
MB21D2	Mab-21 domain containing 2	ENSG00000180611	U
MBD3	methyl-CpG binding domain protein 3	ENSG00000071655	U
MBD3L1	methyl-CpG binding domain protein 3-like 1	ENSG00000170948	D
MBD4	methyl-CpG binding domain protein 4	ENSG00000129071	U
MBD6	methyl-CpG binding domain protein 6	ENSG00000166987	U
MBLAC2	metallo-beta-lactamase domain containing 2	ENSG00000176055	D
MBNL3	muscleblind-like splicing regulator 3	ENSG00000076770	U
MBOAT7	membrane bound O-acyltransferase domain containing 7	ENSG00000125505	U
MBTPS1	membrane-bound transcription factor peptidase, site 1	ENSG00000140943	U
MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	ENSG00000258839	U
MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)	ENSG00000185231	D
MC3R	melanocortin 3 receptor	ENSG00000124089	D
MC4R	melanocortin 4 receptor	ENSG00000166603	D
MC5R	melanocortin 5 receptor	ENSG00000176136	D
MCCC2	methylcrotonoyl-CoA carboxylase 2 (beta)	ENSG00000131844	D
MCCD1	mitochondrial coiled-coil domain 1	ENSG00000204511	D
MCEE	methylmalonyl CoA epimerase	ENSG00000124370	U
MCF2	MCF.2 cell line derived transforming sequence	ENSG00000101977	D
MCF2L2	MCF.2 cell line derived transforming sequence-like 2	ENSG00000053524	D
MCFD2	multiple coagulation factor deficiency 2	ENSG00000180398	U
MCL1	myeloid cell leukemia sequence 1 (BCL2-related)	ENSG00000143384	U

MCM2	minichromosome maintenance complex component 2	ENSG00000073111	U
MCM3	minichromosome maintenance complex component 3	ENSG00000112118	U
MCM3AP	minichromosome maintenance complex component 3 associated protein	ENSG00000160294	U
MCM4	minichromosome maintenance complex component 4	ENSG00000104738	U
MCM5	minichromosome maintenance complex component 5	ENSG00000100297	U
MCM8	minichromosome maintenance complex component 8	ENSG00000125885	U
MCMDC2	minichromosome maintenance domain containing 2	ENSG00000178460	D
MCOLN1	mucolipin 1	ENSG00000090674	U
MCTP1	multiple C2 domains, transmembrane 1	ENSG00000175471	D
MCTS1	malignant T cell amplified sequence 1	ENSG00000232119	U
MDC1	mediator of DNA-damage checkpoint 1	ENSG00000137337	U
MDFI	MyoD family inhibitor	ENSG00000112559	D
MDH1B	malate dehydrogenase 1B, NAD (soluble)	ENSG00000138400	D
MDN1	MDN1, midasin homolog (yeast)	ENSG00000112159	D
MEA1	male-enhanced antigen 1	ENSG00000124733	U
MECOM	MDS1 and EVI1 complex locus	ENSG00000085276	U
MED1	mediator complex subunit 1	ENSG00000125686	U
MED10	mediator complex subunit 10	ENSG00000133398	U
MED12	mediator complex subunit 12	ENSG00000184634	U
MED14	mediator complex subunit 14	ENSG00000180182	D
MED16	mediator complex subunit 16	ENSG00000175221	U
MED18	mediator complex subunit 18	ENSG00000130772	D
MED19	mediator complex subunit 19	ENSG00000156603	U
MED20	mediator complex subunit 20	ENSG00000124641	U
MED21	mediator complex subunit 21	ENSG00000152944	D
MED22	mediator complex subunit 22	ENSG00000148297	U
MED24	mediator complex subunit 24	ENSG00000008838	U
MED25	mediator complex subunit 25	ENSG00000104973	U
MED28	mediator complex subunit 28	ENSG00000118579	U

MED29	mediator complex subunit 29	ENSG00000063322	U
MED30	mediator complex subunit 30	ENSG00000164758	U
MED4	mediator complex subunit 4	ENSG00000136146	U
MED6	mediator complex subunit 6	ENSG00000133997	U
MEF2D	myocyte enhancer factor 2D	ENSG00000116604	U
MEFV	Mediterranean fever	ENSG00000103313	D
MEGF10	multiple EGF-like-domains 10	ENSG00000145794	D
MEGF11	multiple EGF-like-domains 11	ENSG00000157890	D
MEIOB	meiosis specific with OB domains	ENSG00000162039	D
MEOX1	mesenchyme homeobox 1	ENSG00000005102	D
MEP1A	meprin A, alpha (PABA peptide hydrolase)	ENSG00000112818	D
MERTK	c-mer proto-oncogene tyrosine kinase	ENSG00000153208	U
MESDC2	mesoderm development candidate 2	ENSG00000117899	D
MESP1	mesoderm posterior 1 homolog (mouse)	ENSG00000166823	D
MET	met proto-oncogene (hepatocyte growth factor receptor)	ENSG00000105976	U
METAP1	methionyl aminopeptidase 1	ENSG00000164024	U
METAP1D	methionyl aminopeptidase type 1D (mitochondrial)	ENSG00000172878	D
METRNL	meteorin, glial cell differentiation regulator-like	ENSG00000176845	U
METTL10	methyltransferase like 10	ENSG00000203791	D
METTL20	methyltransferase like 20	ENSG00000139160	D
METTL2B	methyltransferase like 2B	ENSG00000165055	D
METTL3	methyltransferase like 3	ENSG00000165819	U
METTL5	methyltransferase like 5	ENSG00000138382	U
METTL8	methyltransferase like 8	ENSG00000123600	D
METTL8	phosphoenolpyruvate carboxykinase 1 (soluble)	ENSG00000124253	D
MEX3D	mex-3 homolog D (C. elegans)	ENSG00000181588	U
MFAP1	microfibrillar-associated protein 1	ENSG00000140259	U
MFAP4	microfibrillar-associated protein 4	ENSG00000166482	U
MFN2	mitofusin 2	ENSG00000116688	U
MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	ENSG00000100060	U

MFSD1	major facilitator superfamily domain containing 1	ENSG00000118855	U
MFSD10	major facilitator superfamily domain containing 10	ENSG00000109736	U
MFSD11	major facilitator superfamily domain containing 11	ENSG00000092931	U
MFSD12	major facilitator superfamily domain containing 12	ENSG00000161091	U
MFSD3	major facilitator superfamily domain containing 3	ENSG00000167700	U
MFSD4	major facilitator superfamily domain containing 4	ENSG00000174514	D
MFSD5	major facilitator superfamily domain containing 5	ENSG00000182544	U
MFSD8	major facilitator superfamily domain containing 8	ENSG00000164073	U
MGAM	maltase-glucoamylase (alpha-glucosidase)	ENSG00000257335	D
MGARP	mitochondria-localized glutamic acid-rich protein	ENSG00000137463	D
MGAT3	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	ENSG00000128268	D
MGAT4C	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme C (putative)	ENSG00000182050	D
MGAT5	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetylglucosaminyltransferase	ENSG00000152127	D
MGAT5B	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetylglucosaminyltransferase, isozyme B	ENSG00000167889	D
MGEA5	meningioma expressed antigen 5 (hyaluronidase)	ENSG00000198408	U
MGRN1	mahogunin ring finger 1, E3 ubiquitin protein ligase	ENSG00000102858	U
MICAL1	microtubule associated monooxygenase, calponin and LIM domain containing 1	ENSG00000135596	U
MICALL1	MICAL-like 1	ENSG00000100139	U
MICALL2	MICAL-like 2	ENSG00000164877	D
MID2	midline 2	ENSG00000080561	D
MIDN	midnolin	ENSG00000167470	U
MINPP1	multiple inositol-polyphosphate phosphatase 1	ENSG00000107789	U
MIOS	missing oocyte, meiosis regulator, homolog (Drosophila)	ENSG00000164654	U
MIOX	myo-inositol oxygenase	ENSG00000100253	D
MIPOL1	mirror-image polydactyly 1	ENSG00000151338	D

MIR137HG	MIR137 host gene (non-protein coding)	NA	D
MIS12	MIS12, MIND kinetochore complex component, homolog (S. pombe)	ENSG00000167842	U
MITD1	MIT, microtubule interacting and transport, domain containing 1	ENSG00000158411	U
MITF	microphthalmia-associated transcription factor	ENSG00000187098	D
MKI67IP	MKI67 (FHA domain) interacting nucleolar phosphoprotein	ENSG00000155438	U
MKLN1	muskelin 1, intracellular mediator containing kelch motifs	ENSG00000128585	U
MKNK2	MAP kinase interacting serine/threonine kinase 2	ENSG00000099875	U
MKRN2	makorin ring finger protein 2	ENSG00000075975	U
MKRN3	makorin ring finger protein 3	ENSG00000179455	D
MLANA	melan-A	ENSG00000120215	D
MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1	ENSG00000100427	D
MLEC	malectin	ENSG00000110917	U
MLF1	myeloid leukemia factor 1	ENSG00000178053	D
MLH1	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)	ENSG00000076242	U
MLIP	muscular LMNA-interacting protein	ENSG00000146147	D
MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	ENSG00000167548	D
MLLT1	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	ENSG00000130382	U
MLLT4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	ENSG00000130396	D
MLLT6	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	ENSG00000108292	U
MLN	motilin	ENSG00000096395	D
MLST8	MTOR associated protein, LST8 homolog (S. cerevisiae)	ENSG00000167965	U
MLXIPL	MLX interacting protein-like	ENSG00000009950	D
MMD2	monocyte to macrophage differentiation-associated 2	ENSG00000136297	D
MMEL1	membrane metallo-endopeptidase-like 1	ENSG00000142606	D
MMGT1	membrane magnesium transporter 1	ENSG00000169446	U
MMP1	matrix metalloproteinase 1 (interstitial collagenase)	ENSG00000196611	D
MMP10	matrix metalloproteinase 10 (stromelysin 2)	ENSG00000166670	D

MMP13	matrix metallopeptidase 13 (collagenase 3)	ENSG00000137745	D
MMP15	matrix metallopeptidase 15 (membrane-inserted)	ENSG00000102996	U
MMP16	matrix metallopeptidase 16 (membrane-inserted)	ENSG00000156103	D
MMP17	matrix metallopeptidase 17 (membrane-inserted)	ENSG00000198598	D
MMP20	matrix metallopeptidase 20	ENSG00000137674	D
MMP21	matrix metallopeptidase 21	ENSG00000154485	D
MMP24	matrix metallopeptidase 24 (membrane-inserted)	ENSG00000125966	D
MMP26	matrix metallopeptidase 26	ENSG00000167346	D
MMP27	matrix metallopeptidase 27	ENSG00000137675	D
MMP3	matrix metallopeptidase 3 (stromelysin 1, progelatinase)	ENSG00000149968	D
MMP7	matrix metallopeptidase 7 (matrilysin, uterine)	ENSG00000137673	D
MMP8	matrix metallopeptidase 8 (neutrophil collagenase)	ENSG00000118113	D
MMRN1	multimerin 1	ENSG00000138722	U
MMS19	MMS19 nucleotide excision repair homolog (<i>S. cerevisiae</i>)	ENSG00000155229	U
MMS22L	MMS22-like, DNA repair protein	ENSG00000146263	D
MND1	meiotic nuclear divisions 1 homolog (<i>S. cerevisiae</i>)	ENSG00000121211	D
MNF1	mitochondrial nucleoid factor 1	ENSG00000137288	U
MNS1	meiosis-specific nuclear structural 1	ENSG00000138587	D
MNT	MAX binding protein	ENSG00000070444	U
MOAP1	modulator of apoptosis 1	ENSG00000165943	U
MOB1A	MOB kinase activator 1A	ENSG00000114978	D
MOB2	MOB kinase activator 2	ENSG00000182208	U
MOBP	myelin-associated oligodendrocyte basic protein	ENSG00000168314	D
MOCOS	molybdenum cofactor sulfurase	ENSG00000075643	U
MOCOS2	molybdenum cofactor synthesis 2	ENSG00000164172	D
MOG	myelin oligodendrocyte glycoprotein	ENSG00000204655	D
MOGAT1	monoacylglycerol O-acyltransferase 1	ENSG00000124003	D
MOGAT2	monoacylglycerol O-acyltransferase 2	ENSG00000166391	D
MOGAT3	monoacylglycerol O-acyltransferase 3	ENSG00000106384	D
MOGS	mannosyl-oligosaccharide glucosidase	ENSG00000115275	U

MORC1	MORC family CW-type zinc finger 1	ENSG00000114487	D
MORC2	MORC family CW-type zinc finger 2	ENSG00000133422	U
MORF4L1	mortality factor 4 like 1	ENSG00000185787	U
MORN1	MORN repeat containing 1	ENSG00000116151	D
MORN5	MORN repeat containing 5	ENSG00000185681	D
MOV10	Mov10, Moloney leukemia virus 10, homolog (mouse)	ENSG00000155363	U
MOV10L1	Mov10l1, Moloney leukemia virus 10-like 1, homolog (mouse)	ENSG00000073146	D
MPC2	mitochondrial pyruvate carrier 2	ENSG00000143158	U
MPDU1	mannose-P-dolichol utilization defect 1	ENSG00000129255	U
MPG	N-methylpurine-DNA glycosylase	ENSG00000103152	D
MPHOSPH10	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)	ENSG00000124383	U
MPL	myeloproliferative leukemia virus oncogene	ENSG00000117400	D
MPND	MPN domain containing	ENSG00000008382	U
MPO	myeloperoxidase	ENSG00000005381	D
MPP4	membrane protein, palmitoylated 4 (MAGUK p55 subfamily member 4)	ENSG000000082126	D
MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	ENSG000000072415	U
MPRIP	myosin phosphatase Rho interacting protein	ENSG00000133030	U
MPV17	MpV17 mitochondrial inner membrane protein	ENSG00000115204	U
MPV17L	MPV17 mitochondrial membrane protein-like	ENSG00000156968	D
MPZ	myelin protein zero	ENSG00000158887	D
MPZL1	myelin protein zero-like 1	ENSG00000197965	U
MRAP	melanocortin 2 receptor accessory protein	ENSG00000170262	D
MRAP2	melanocortin 2 receptor accessory protein 2	ENSG00000135324	D
MRC1	mannose receptor, C type 1	ENSG00000120586	D
MRC2	mannose receptor, C type 2	ENSG00000011028	D
MRFAP1L1	Morf4 family associated protein 1-like 1	ENSG00000178988	U
MRGPRD	MAS-related GPR, member D	ENSG00000172938	D
MRGPRG-AS	MRGPRG antisense RNA 1	NA	D
MRGPRX4	MAS-related GPR, member X4	ENSG00000179817	D
MRI1	methylthioribose-1-phosphate isomerase homolog (S. cerevisiae)	ENSG00000037757	U

MRM1	mitochondrial rRNA methyltransferase 1 homolog (<i>S. cerevisiae</i>)	ENSG00000129282	D
MRO	maestro	ENSG00000134042	D
MRP63	mitochondrial ribosomal protein 63	ENSG00000173141	D
MRPL1	mitochondrial ribosomal protein L1	ENSG00000169288	U
MRPL12	mitochondrial ribosomal protein L12	ENSG00000262814	U
MRPL13	mitochondrial ribosomal protein L13	ENSG00000172172	U
MRPL14	mitochondrial ribosomal protein L14	ENSG00000180992	U
MRPL16	mitochondrial ribosomal protein L16	ENSG00000166902	U
MRPL17	mitochondrial ribosomal protein L17	ENSG00000158042	U
MRPL18	mitochondrial ribosomal protein L18	ENSG00000112110	U
MRPL20	mitochondrial ribosomal protein L20	ENSG00000242485	U
MRPL21	mitochondrial ribosomal protein L21	ENSG00000197345	U
MRPL22	mitochondrial ribosomal protein L22	ENSG00000082515	U
MRPL23	mitochondrial ribosomal protein L23	ENSG00000214026	U
MRPL24	mitochondrial ribosomal protein L24	ENSG00000143314	U
MRPL3	mitochondrial ribosomal protein L3	ENSG00000114686	U
MRPL32	mitochondrial ribosomal protein L32	ENSG00000106591	U
MRPL33	mitochondrial ribosomal protein L33	ENSG00000243147	U
MRPL34	mitochondrial ribosomal protein L34	ENSG00000130312	U
MRPL36	mitochondrial ribosomal protein L36	ENSG00000171421	U
MRPL37	mitochondrial ribosomal protein L37	ENSG00000116221	U
MRPL38	mitochondrial ribosomal protein L38	ENSG00000204316	U
MRPL40	mitochondrial ribosomal protein L40	ENSG00000185608	U
MRPL41	mitochondrial ribosomal protein L41	ENSG00000182154	U
MRPL43	mitochondrial ribosomal protein L43	ENSG00000055950	U
MRPL45	mitochondrial ribosomal protein L45	ENSG00000174100	U
MRPL46	mitochondrial ribosomal protein L46	ENSG00000259494	U
MRPL48	mitochondrial ribosomal protein L48	ENSG00000175581	U
MRPL49	mitochondrial ribosomal protein L49	ENSG00000149792	U
MRPL51	mitochondrial ribosomal protein L51	ENSG00000111639	U

MRPL53	mitochondrial ribosomal protein L53	ENSG00000204822	U
MRPL9	mitochondrial ribosomal protein L9	ENSG00000143436	U
MRPS10	mitochondrial ribosomal protein S10	ENSG00000048544	U
MRPS11	mitochondrial ribosomal protein S11	ENSG00000181991	U
MRPS15	mitochondrial ribosomal protein S15	ENSG00000116898	U
MRPS16	mitochondrial ribosomal protein S16	ENSG00000182180	U
MRPS17	mitochondrial ribosomal protein S17	ENSG00000239789	U
MRPS18A	mitochondrial ribosomal protein S18A	ENSG00000096080	U
MRPS18B	mitochondrial ribosomal protein S18B	ENSG00000204568	U
MRPS18C	mitochondrial ribosomal protein S18C	ENSG00000163319	U
MRPS21	mitochondrial ribosomal protein S21	ENSG00000187145	U
MRPS22	mitochondrial ribosomal protein S22	ENSG00000175110	U
MRPS24	mitochondrial ribosomal protein S24	ENSG00000062582	U
MRPS26	mitochondrial ribosomal protein S26	ENSG00000125901	U
MRPS27	mitochondrial ribosomal protein S27	ENSG00000113048	U
MRPS28	mitochondrial ribosomal protein S28	ENSG00000147586	U
MRPS30	mitochondrial ribosomal protein S30	ENSG00000112996	U
MRPS31	mitochondrial ribosomal protein S31	ENSG00000102738	U
MRPS35	mitochondrial ribosomal protein S35	ENSG00000061794	U
MRPS5	mitochondrial ribosomal protein S5	ENSG00000144029	U
MRPS7	mitochondrial ribosomal protein S7	ENSG00000125445	U
MS4A1	membrane-spanning 4-domains, subfamily A, member 1	ENSG00000156738	D
MS4A12	membrane-spanning 4-domains, subfamily A, member 12	ENSG00000071203	D
MS4A15	membrane-spanning 4-domains, subfamily A, member 15	ENSG00000166961	D
MS4A2	membrane-spanning 4-domains, subfamily A, member 2	ENSG00000149534	D
MS4A3	membrane-spanning 4-domains, subfamily A, member 3 (hematopoietic cell-specific)	ENSG00000149516	D
MS4A5	membrane-spanning 4-domains, subfamily A, member 5	ENSG00000166930	D
MS4A6A	membrane-spanning 4-domains, subfamily A, member 6A	ENSG00000110077	U
MS4A6E	membrane-spanning 4-domains, subfamily A, member 6E	ENSG00000166926	D

MS4A7	membrane-spanning 4-domains, subfamily A, member 7	ENSG00000166927	U
MS4A8B	membrane-spanning 4-domains, subfamily A, member 8B	ENSG00000166959	D
MSANTD3	Myb/SANT-like DNA-binding domain containing 3	ENSG00000066697	U
MSH3	mutS homolog 3 (E. coli)	ENSG00000113318	U
MSH4	mutS homolog 4 (E. coli)	ENSG00000057468	D
MSH6	mutS homolog 6 (E. coli)	ENSG00000116062	U
MSI1	musashi homolog 1 (Drosophila)	ENSG00000135097	D
MSLNL	mesothelin-like	NA	D
MSN	moesin	ENSG00000147065	U
MSX1	msh homeobox 1	ENSG00000163132	U
MT1A	metallothionein 1A	ENSG00000205362	U
MT1M	metallothionein 1M	ENSG00000205364	D
MT1X	metallothionein 1X	ENSG00000187193	U
MT3	metallothionein 3	ENSG00000087250	D
MT4	metallothionein 4	ENSG00000102891	D
MTA1	metastasis associated 1	ENSG00000182979	U
MTA2	metastasis associated 1 family, member 2	ENSG00000149480	U
MTA3	metastasis associated 1 family, member 3	ENSG00000057935	U
MTARC1	mitochondrial amidoxime reducing component 1	ENSG00000186205	U
MTCH2	mitochondrial carrier 2	ENSG00000109919	D
MTCP1	mature T-cell proliferation 1	ENSG00000214827	U
MTERF	mitochondrial transcription termination factor	ENSG00000127989	D
MTERFD1	MTERF domain containing 1	ENSG00000156469	U
MTERFD2	MTERF domain containing 2	ENSG00000122085	D
MTERFD3	MTERF domain containing 3	ENSG00000120832	D
MTF1	metal-regulatory transcription factor 1	ENSG00000188786	U
MTFR1	mitochondrial fission regulator 1	ENSG00000066855	U
MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	ENSG00000120254	U
MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	ENSG00000136371	U

MTIF3	mitochondrial translational initiation factor 3	ENSG00000122033	U
MTL5	metallothionein-like 5, testis-specific (tesmin)	ENSG00000132749	D
MTMR10	myotubularin related protein 10	ENSG00000166912	D
MTMR14	myotubularin related protein 14	ENSG00000163719	U
MTMR3	myotubularin related protein 3	ENSG00000100330	U
MTMR8	myotubularin related protein 8	ENSG00000102043	D
MTMR9	myotubularin related protein 9	ENSG00000104643	U
MTNR1B	melatonin receptor 1B	ENSG00000134640	D
MTO1	mitochondrial translation optimization 1 homolog (<i>S. cerevisiae</i>)	ENSG00000135297	D
MTOR	mechanistic target of rapamycin (serine/threonine kinase)	ENSG00000198793	U
MTPN	myotrophin	ENSG00000105887	U
MTSS1L	metastasis suppressor 1-like	ENSG00000132613	D
MTTP	microsomal triglyceride transfer protein	ENSG00000138823	D
MTUS2	microtubule associated tumor suppressor candidate 2	ENSG00000132938	D
MTX1	metaxin 1	ENSG00000173171	U
MUC1	mucin 1, cell surface associated	ENSG00000185499	U
MUC13	mucin 13, cell surface associated	ENSG00000173702	D
MUC15	mucin 15, cell surface associated	ENSG00000169550	U
MUC20	mucin 20, cell surface associated	ENSG00000176945	U
MUC4	mucin 4, cell surface associated	ENSG00000145113	D
MUL1	mitochondrial E3 ubiquitin protein ligase 1	ENSG00000090432	U
MUM1	melanoma associated antigen (mutated) 1	ENSG00000160953	U
MUS81	MUS81 endonuclease homolog (<i>S. cerevisiae</i>)	ENSG00000172732	U
MUT	methylmalonyl CoA mutase	ENSG00000146085	U
MVP	major vault protein	ENSG00000013364	U
MX2	myxovirus (influenza virus) resistance 2 (mouse)	ENSG00000183486	D
MXD1	MAX dimerization protein 1	ENSG00000059728	U
MYADM	myeloid-associated differentiation marker	ENSG00000179820	U
MYBBP1A	MYB binding protein (P160) 1a	ENSG00000132382	D
MYBL2	v-myb myeloblastosis viral oncogene homolog (avian)-like 2	ENSG00000101057	D

MYBPC1	myosin binding protein C, slow type	ENSG00000196091	D
MYBPC2	myosin binding protein C, fast type	ENSG00000086967	D
MYC	v-myc myelocytomatosis viral oncogene homolog (avian)	ENSG00000136997	U
MYCBP2	MYC binding protein 2, E3 ubiquitin protein ligase	ENSG00000005810	U
MYCBPAP	MYCBP associated protein	ENSG00000136449	D
MYEOV2	myeloma overexpressed 2	ENSG00000172428	D
MYF5	myogenic factor 5	ENSG00000111049	D
MYH13	myosin, heavy chain 13, skeletal muscle	ENSG00000006788	D
MYH3	myosin, heavy chain 3, skeletal muscle, embryonic	ENSG00000109063	D
MYH7	myosin, heavy chain 7, cardiac muscle, beta	ENSG00000092054	D
MYH7B	myosin, heavy chain 7B, cardiac muscle, beta	ENSG00000078814	D
MYL1	myosin, light chain 1, alkali; skeletal, fast	ENSG00000168530	D
MYL10	myosin, light chain 10, regulatory	ENSG00000106436	D
MYL2	myosin, light chain 2, regulatory, cardiac, slow	ENSG00000111245	D
MYL3	myosin, light chain 3, alkali; ventricular, skeletal, slow	ENSG00000160808	D
MYL4	myosin, light chain 4, alkali; atrial, embryonic	ENSG00000198336	D
MYL6B	myosin, light chain 6B, alkali, smooth muscle and non-muscle	ENSG00000196465	U
MYL7	myosin, light chain 7, regulatory	ENSG00000106631	D
MYL9	myosin, light chain 9, regulatory	ENSG00000101335	U
MYLPF	myosin light chain, phosphorylatable, fast skeletal muscle	ENSG00000180209	D
MYO10	myosin X	ENSG00000145555	U
MYO16	myosin XVI	ENSG00000041515	D
MYO1A	myosin IA	ENSG00000166866	D
MYO1C	myosin IC	ENSG00000197879	U
MYO3A	myosin IIIA	ENSG00000095777	D
MYO3B	myosin IIIB	ENSG00000071909	D
MYO9A	myosin IXA	ENSG00000066933	U
MYO9B	myosin IXB	ENSG00000099331	U
MYOC	myocilin, trabecular meshwork inducible glucocorticoid response	ENSG00000034971	D
MYOCD	myocardin	ENSG00000141052	D

MYOD1	myogenic differentiation 1	ENSG00000129152	D
MYOG	myogenin (myogenic factor 4)	ENSG00000122180	D
MYOM2	myomesin (M-protein) 2, 165kDa	ENSG00000036448	D
MYOT	myotilin	ENSG00000120729	D
MYPN	myopalladin	ENSG00000138347	D
MYPOP	Myb-related transcription factor, partner of profilin	ENSG00000176182	U
MYT1	myelin transcription factor 1	ENSG00000196132	D
MYT1L	myelin transcription factor 1-like	ENSG00000186487	D
MZB1	marginal zone B and B1 cell-specific protein	ENSG00000170476	D
MZT2B	mitotic spindle organizing protein 2B	ENSG00000152082	D
NAA10	N(alpha)-acetyltransferase 10, NatA catalytic subunit	ENSG00000102030	U
NAA20	N(alpha)-acetyltransferase 20, NatB catalytic subunit	ENSG00000173418	U
NAA60	N(alpha)-acetyltransferase 60, NatF catalytic subunit	ENSG00000122390	U
NAALADL1	N-acetylated alpha-linked acidic dipeptidase-like 1	ENSG00000168060	D
NABP1	nucleic acid binding protein 1	ENSG00000173559	U
NACA	nascent polypeptide-associated complex alpha subunit	ENSG00000196531	U
NADK	NAD kinase	ENSG00000008130	U
NADSYN1	NAD synthetase 1	ENSG00000172890	U
NAE1	NEDD8 activating enzyme E1 subunit 1	ENSG00000159593	U
NAGA	N-acetylgalactosaminidase, alpha-	ENSG00000198951	U
NAGLU	N-acetylglucosaminidase, alpha	ENSG00000108784	U
NAIP	NLR family, apoptosis inhibitory protein	ENSG00000249437	D
NALCN	sodium leak channel, non-selective	ENSG00000102452	D
NANOG	Nanog homeobox	ENSG00000111704	D
NANP	N-acetylneuraminic acid phosphatase	ENSG00000170191	D
NANS	N-acetylneuraminic acid synthase	ENSG00000095380	U
NAP1L3	nucleosome assembly protein 1-like 3	ENSG00000186310	D
NAPRT1	nicotinate phosphoribosyltransferase domain containing 1	ENSG00000147813	U
NAPSA	napsin A aspartic peptidase	ENSG00000131400	D
NARS	asparaginyl-tRNA synthetase	ENSG00000134440	U

NAT1	N-acetyltransferase 1 (arylamine N-acetyltransferase)	ENSG00000171428	D
NAT10	N-acetyltransferase 10 (GCN5-related)	ENSG00000135372	U
NAT8	N-acetyltransferase 8 (GCN5-related, putative)	ENSG00000144035	D
NAT8B	N-acetyltransferase 8B (GCN5-related, putative, gene/pseudogene)	NA	D
NAV3	neuron navigator 3	ENSG00000067798	D
NBEA	neurobeachin	ENSG00000172915	D
NBPF11	neuroblastoma breakpoint family, member 11	ENSG00000152042	D
NBPF15	neuroblastoma breakpoint family, member 15	ENSG00000243452	D
NBR1	neighbor of BRCA1 gene 1	ENSG00000188554	D
NBR2	neighbor of BRCA1 gene 2 (non-protein coding)	NA	D
NCAM1	neural cell adhesion molecule 1	ENSG00000149294	D
NCAPD2	non-SMC condensin I complex, subunit D2	ENSG00000010292	U
NCAPD3	non-SMC condensin II complex, subunit D3	ENSG00000151503	D
NCAPG2	non-SMC condensin II complex, subunit G2	ENSG00000146918	D
NCAPH	non-SMC condensin I complex, subunit H	ENSG00000121152	D
NCBP1	nuclear cap binding protein subunit 1, 80kDa	ENSG00000136937	U
NCK2	NCK adaptor protein 2	ENSG00000071051	U
NCKAP5	NCK-associated protein 5	ENSG00000176771	D
NCL	nucleolin	ENSG00000115053	U
NCLN	nicalin	ENSG00000125912	U
NCOA5	nuclear receptor coactivator 5	ENSG00000124160	U
NCOA6	nuclear receptor coactivator 6	ENSG00000198646	U
NCOR2	nuclear receptor corepressor 2	ENSG00000196498	U
NCR1	natural cytotoxicity triggering receptor 1	ENSG00000189430	D
NCR2	natural cytotoxicity triggering receptor 2	ENSG00000096264	D
NDFIP1	Nedd4 family interacting protein 1	ENSG00000131507	U
NDN	necdin homolog (mouse)	ENSG00000182636	U
NDNF	neuron-derived neurotrophic factor	ENSG00000173376	U
NDOR1	NADPH dependent diflavin oxidoreductase 1	ENSG00000188566	D
NDP	Norrie disease (pseudoglioma)	ENSG00000124479	U

NDRG2	NDRG family member 2	ENSG00000165795	U
NDRG3	NDRG family member 3	ENSG00000101079	U
NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	ENSG00000138653	D
NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	ENSG00000130414	U
NDUFA4L2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2	ENSG00000185633	U
NDUFA5	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa	ENSG00000128609	D
NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa	ENSG00000184983	U
NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	ENSG00000167774	U
NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	ENSG00000139180	U
NDUFAF2	NADH dehydrogenase (ubiquinone) complex I, assembly factor 2	ENSG00000164182	U
NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	ENSG00000119013	U
NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	ENSG00000065518	D
NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	ENSG00000165264	U
NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	ENSG00000147684	U
NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1, 6kDa	ENSG00000109390	U
NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	ENSG00000164258	U
NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	ENSG00000115286	U
NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	ENSG00000167792	U
NECAB1	N-terminal EF-hand calcium binding protein 1	ENSG00000123119	D
NECAP1	NECAP endocytosis associated 1	ENSG00000089818	U
NECAP2	NECAP endocytosis associated 2	ENSG00000157191	U
NEDD1	neural precursor cell expressed, developmentally down-regulated 1	ENSG00000139350	D
NEDD9	neural precursor cell expressed, developmentally down-regulated 9	ENSG00000111859	D
NEFH	neurofilament, heavy polypeptide	ENSG00000100285	D
NEFM	neurofilament, medium polypeptide	ENSG00000104722	D
NEIL3	nei endonuclease VIII-like 3 (E. coli)	ENSG00000109674	D
NEK10	NIMA (never in mitosis gene a)- related kinase 10	ENSG00000163491	D
NEK2	NIMA (never in mitosis gene a)-related kinase 2	ENSG00000117650	D

NEK6	NIMA (never in mitosis gene a)-related kinase 6	ENSG00000119408	U
NELL2	NEL-like 2 (chicken)	ENSG00000184613	D
NEO1	neogenin 1	ENSG00000067141	U
NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	ENSG00000166342	D
NEU1	sialidase 1 (lysosomal sialidase)	ENSG00000204386	U
NEU2	sialidase 2 (cytosolic sialidase)	ENSG00000115488	D
NEU3	sialidase 3 (membrane sialidase)	ENSG00000162139	D
NEU4	sialidase 4	ENSG00000204099	D
NEUROD4	neuronal differentiation 4	ENSG00000123307	D
NEUROD6	neuronal differentiation 6	ENSG00000164600	D
NEUROG1	neurogenin 1	ENSG00000181965	D
NEXN-AS1	NEXN antisense RNA 1	NA	D
NFASC	neurofascin	ENSG00000163531	D
NFATC2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	ENSG00000101096	D
NFE2L1	nuclear factor (erythroid-derived 2)-like 1	ENSG00000082641	U
NFE2L2	nuclear factor (erythroid-derived 2)-like 2	ENSG00000116044	U
NFE2L3	nuclear factor (erythroid-derived 2)-like 3	ENSG00000050344	U
NFIB	nuclear factor I/B	ENSG00000147862	U
NFIL3	nuclear factor, interleukin 3 regulated	ENSG00000165030	U
NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	ENSG00000008441	U
NFS1	NFS1 nitrogen fixation 1 homolog (<i>S. cerevisiae</i>)	ENSG00000244005	D
NFU1	NFU1 iron-sulfur cluster scaffold homolog (<i>S. cerevisiae</i>)	ENSG00000169599	U
NFYC	nuclear transcription factor Y, gamma	ENSG00000066136	U
NGB	neuroglobin	ENSG00000165553	D
NGEF	neuronal guanine nucleotide exchange factor	ENSG00000066248	D
NGF	nerve growth factor (beta polypeptide)	ENSG00000134259	D
NGFR	nerve growth factor receptor	ENSG00000064300	D
NGFRAP1	nerve growth factor receptor (TNFRSF16) associated protein 1	ENSG00000166681	U
NGLY1	N-glycanase 1	ENSG00000151092	U
NGRN	neugrin, neurite outgrowth associated	ENSG00000182768	U

NHLH2	nescient helix loop helix 2	ENSG00000177551	D
NHLRC4	NHL repeat containing 4	ENSG00000257108	D
NHP2	NHP2 ribonucleoprotein homolog (yeast)	ENSG00000145912	U
NHP2L1	NHP2 non-histone chromosome protein 2-like 1 (<i>S. cerevisiae</i>)	ENSG00000100138	U
NHS	Nance-Horan syndrome (congenital cataracts and dental anomalies)	ENSG00000188158	D
NICN1	nicolin 1	ENSG00000145029	U
NID2	nidogen 2 (osteonidogen)	ENSG00000087303	U
NIF3L1	NIF3 NGG1 interacting factor 3-like 1 (<i>S. cerevisiae</i>)	ENSG00000196290	U
NIPA2	non imprinted in Prader-Willi/Angelman syndrome 2	ENSG00000140157	U
NIPAL1	NIPA-like domain containing 1	ENSG00000163293	U
NIPAL2	NIPA-like domain containing 2	ENSG00000104361	D
NISCH	nischarin	ENSG00000010322	U
NIT2	nitrilase family, member 2	ENSG00000114021	U
NKAIN1	Na ⁺ /K ⁺ transporting ATPase interacting 1	ENSG00000084628	D
NKAIN2	Na ⁺ /K ⁺ transporting ATPase interacting 2	ENSG00000188580	D
NKAIN3	Na ⁺ /K ⁺ transporting ATPase interacting 3	ENSG00000185942	D
NKAIN4	Na ⁺ /K ⁺ transporting ATPase interacting 4	ENSG00000101198	D
NKAPL	NFKB activating protein-like	ENSG00000189134	D
NKPD1	NTPase, KAP family P-loop domain containing 1	ENSG00000179846	D
NKTR	natural killer-tumor recognition sequence	ENSG00000114857	U
NKX2-2	NK2 homeobox 2	ENSG00000125820	D
NKX2-3	NK2 homeobox 3	ENSG00000119919	D
NKX2-8	NK2 homeobox 8	ENSG00000136327	D
NKX3-2	NK3 homeobox 2	ENSG00000109705	D
NKX6-2	NK6 homeobox 2	ENSG00000148826	D
NKX6-3	NK6 homeobox 3	ENSG00000165066	D
NLN	neurolysin (metallopeptidase M3 family)	ENSG00000123213	D
NLRC5	NLR family, CARD domain containing 5	ENSG00000140853	D
NLRP10	NLR family, pyrin domain containing 10	ENSG00000182261	D
NLRP2	NLR family, pyrin domain containing 2	ENSG00000022556	U

NLRP4	NLR family, pyrin domain containing 4	ENSG00000160505	D
NLRP6	NLR family, pyrin domain containing 6	ENSG00000174885	D
NLRP7	NLR family, pyrin domain containing 7	ENSG00000167634	D
NLRP8	NLR family, pyrin domain containing 8	ENSG00000179709	D
NLRP9	NLR family, pyrin domain containing 9	ENSG00000185792	D
NMBR	neuromedin B receptor	ENSG00000135577	D
NME1	NME/NM23 nucleoside diphosphate kinase 1	ENSG00000239672	U
NME3	NME/NM23 nucleoside diphosphate kinase 3	ENSG00000103024	U
NME4	NME/NM23 nucleoside diphosphate kinase 4	ENSG00000103202	U
NME6	NME/NM23 nucleoside diphosphate kinase 6	ENSG00000172113	U
NMI	N-myc (and STAT) interactor	ENSG00000123609	U
NMRAL1	NmrA-like family domain containing 1	ENSG00000153406	U
NMRK2	nicotinamide riboside kinase 2	ENSG00000077009	D
NMUR2	neuromedin U receptor 2	ENSG00000132911	D
NNMT	nicotinamide N-methyltransferase	ENSG00000166741	U
NOA1	nitric oxide associated 1	ENSG00000084092	U
NODAL	nodal homolog (mouse)	ENSG00000156574	D
NOL11	nucleolar protein 11	ENSG00000130935	U
NOL12	nucleolar protein 12	ENSG00000256872	U
NOL4	nucleolar protein 4	ENSG00000101746	D
NOL7	nucleolar protein 7, 27kDa	ENSG00000225921	U
NOL8	nucleolar protein 8	ENSG00000198000	U
NOM1	nucleolar protein with MIF4G domain 1	ENSG00000146909	D
NOP56	NOP56 ribonucleoprotein homolog (yeast)	ENSG00000101361	U
NOP58	NOP58 ribonucleoprotein homolog (yeast)	ENSG00000055044	U
NOS1	nitric oxide synthase 1 (neuronal)	ENSG00000089250	D
NOS2	nitric oxide synthase 2, inducible	ENSG00000007171	D
NOS3	nitric oxide synthase 3 (endothelial cell)	ENSG00000164867	U
NOSIP	nitric oxide synthase interacting protein	ENSG00000142546	U
NOTCH2NL	notch 2 N-terminal like	ENSG00000213240	D

NOTCH3	notch 3	ENSG00000074181	U
NOTCH4	notch 4	ENSG00000204301	U
NOTUM	notum pectinacetyltransferase homolog (Drosophila)	ENSG00000185269	U
NOV	nephroblastoma overexpressed	ENSG00000136999	D
NOVA1	neuro-oncological ventral antigen 1	ENSG00000139910	D
NOX1	NADPH oxidase 1	ENSG00000007952	D
NOX3	NADPH oxidase 3	ENSG000000074771	D
NOX5	NADPH oxidase, EF-hand calcium binding domain 5	ENSG00000255346	D
NOXRED1	NADP-dependent oxidoreductase domain containing 1	ENSG00000165555	D
NPAP1	nuclear pore associated protein 1	ENSG00000185823	D
NPAS1	neuronal PAS domain protein 1	ENSG00000130751	D
NPAS4	neuronal PAS domain protein 4	ENSG00000174576	D
NPBWR1	neuropeptides B/W receptor 1	ENSG00000183729	D
NPBWR2	neuropeptides B/W receptor 2	ENSG00000125522	D
NPC1	Niemann-Pick disease, type C1	ENSG00000141458	U
NPC1L1	NPC1 (Niemann-Pick disease, type C1, gene)-like 1	ENSG00000015520	D
NPDC1	neural proliferation, differentiation and control, 1	ENSG00000107281	U
NPFF	neuropeptide FF-amide peptide precursor	ENSG00000139574	D
NPFFR1	neuropeptide FF receptor 1	ENSG00000148734	D
NPHP1	nephronophthisis 1 (juvenile)	ENSG00000144061	D
NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	ENSG00000161270	D
NPHS2	nephrosis 2, idiopathic, steroid-resistant (podocin)	ENSG00000116218	D
NPIPL2	nuclear pore complex interacting protein-like 2	ENSG00000196436	U
NPL	N-acetylneuraminatase pyruvate lyase (dihydrodipicolinate synthase)	ENSG00000135838	U
NPLOC4	nuclear protein localization 4 homolog (S. cerevisiae)	ENSG00000182446	U
NPM2	nucleophosmin/nucleoplasmin 2	ENSG00000158806	D
NPPA	natriuretic peptide A	ENSG00000175206	D
NPPB	natriuretic peptide B	ENSG00000120937	D
NPPC	natriuretic peptide C	ENSG00000163273	D
NPRL2	nitrogen permease regulator-like 2 (S. cerevisiae)	ENSG00000114388	U

NPTN	neuroplastin	ENSG00000156642	U
NPTX1	neuronal pentraxin I	ENSG00000171246	D
NPTX2	neuronal pentraxin II	ENSG00000106236	D
NQO2	NAD(P)H dehydrogenase, quinone 2	ENSG00000124588	U
NR0B1	nuclear receptor subfamily 0, group B, member 1	ENSG00000169297	D
NR0B2	nuclear receptor subfamily 0, group B, member 2	ENSG00000131910	D
NR1D1	nuclear receptor subfamily 1, group D, member 1	ENSG00000126368	D
NR1H2	nuclear receptor subfamily 1, group H, member 2	ENSG00000131408	U
NR1H3	nuclear receptor subfamily 1, group H, member 3	ENSG00000025434	U
NR1H4	nuclear receptor subfamily 1, group H, member 4	ENSG00000012504	D
NR1I2	nuclear receptor subfamily 1, group I, member 2	ENSG00000144852	D
NR2E1	nuclear receptor subfamily 2, group E, member 1	ENSG00000112333	D
NR2E3	nuclear receptor subfamily 2, group E, member 3	NA	D
NR2F1	nuclear receptor subfamily 2, group F, member 1	ENSG00000175745	U
NR2F2	nuclear receptor subfamily 2, group F, member 2	ENSG00000185551	U
NR4A3	nuclear receptor subfamily 4, group A, member 3	ENSG00000119508	D
NR5A1	nuclear receptor subfamily 5, group A, member 1	ENSG00000136931	D
NR5A2	nuclear receptor subfamily 5, group A, member 2	ENSG00000116833	D
NRAP	nebulin-related anchoring protein	ENSG00000197893	D
NRBF2	nuclear receptor binding factor 2	ENSG00000148572	U
NRBP1	nuclear receptor binding protein 1	ENSG00000115216	U
NRCAM	neuronal cell adhesion molecule	ENSG00000091129	U
NREP	neuronal regeneration related protein homolog (rat)	ENSG00000134986	U
NRG1	neuregulin 1	ENSG00000157168	D
NRG2	neuregulin 2	ENSG00000158458	D
NRIP1	nuclear receptor interacting protein 1	ENSG00000180530	U
NRL	neural retina leucine zipper	ENSG00000129535	D
NRN1	neuritin 1	ENSG00000124785	D
NRN1L	neuritin 1-like	ENSG00000188038	D
NRP1	neuropilin 1	ENSG00000099250	U

NRP2	neuropilin 2	ENSG00000118257	D
NRSN1	neurensin 1	ENSG00000152954	D
NRXN1	neurexin 1	ENSG00000179915	D
NRXN3	neurexin 3	ENSG00000021645	D
NSA2	NSA2 ribosome biogenesis homolog (S. cerevisiae)	ENSG00000164346	U
NSDHL	NAD(P) dependent steroid dehydrogenase-like	ENSG00000147383	U
NSFL1C	NSFL1 (p97) cofactor (p47)	ENSG00000088833	U
NSL1	NSL1, MIND kinetochore complex component, homolog (S. cerevisiae)	ENSG00000117697	U
NSMAF	neutral sphingomyelinase (N-SMase) activation associated factor	ENSG00000035681	U
NSMCE1	non-SMC element 1 homolog (S. cerevisiae)	ENSG00000169189	U
NSMCE4A	non-SMC element 4 homolog A (S. cerevisiae)	ENSG00000107672	U
NSUN2	NOP2/Sun RNA methyltransferase family, member 2	ENSG00000037474	U
NSUN5	NOP2/Sun domain family, member 5	ENSG00000130305	U
NT5C	5', 3'-nucleotidase, cytosolic	ENSG00000125458	U
NT5C1A	5'-nucleotidase, cytosolic IA	ENSG00000116981	D
NT5C1B	5'-nucleotidase, cytosolic IB	ENSG00000185013	D
NT5C2	5'-nucleotidase, cytosolic II	ENSG00000076685	U
NT5E	5'-nucleotidase, ecto (CD73)	ENSG00000135318	U
NTN1	netrin 1	ENSG00000065320	D
NTN4	netrin 4	ENSG00000074527	D
NTN5	netrin 5	ENSG00000142233	D
NTNG1	netrin G1	ENSG00000162631	D
NTNG2	netrin G2	ENSG00000196358	D
NTPCR	nucleoside-triphosphatase, cancer-related	ENSG00000135778	U
NTRK1	neurotrophic tyrosine kinase, receptor, type 1	ENSG00000198400	D
NTRK2	neurotrophic tyrosine kinase, receptor, type 2	ENSG00000148053	D
NTRK3	neurotrophic tyrosine kinase, receptor, type 3	ENSG00000140538	D
NTS	neurotensin	ENSG00000133636	D
NTSR2	neurotensin receptor 2	ENSG00000169006	D
NUB1	negative regulator of ubiquitin-like proteins 1	ENSG00000013374	U

NUBP1	nucleotide binding protein 1	ENSG00000103274	U
NUCB2	nucleobindin 2	ENSG00000070081	U
NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1	ENSG00000069275	U
NUDC	nuclear distribution C homolog (A. nidulans)	ENSG00000090273	U
NUDCD3	NudC domain containing 3	ENSG00000015676	U
NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	ENSG00000106268	U
NUDT11	nudix (nucleoside diphosphate linked moiety X)-type motif 11	ENSG00000196368	D
NUDT12	nudix (nucleoside diphosphate linked moiety X)-type motif 12	ENSG00000112874	D
NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	ENSG00000183828	U
	nudix (nucleoside diphosphate linked moiety X)-type motif 16		
NUDT16P1	pseudogene 1	NA	D
NUDT2	nudix (nucleoside diphosphate linked moiety X)-type motif 2	ENSG00000164978	U
NUDT22	nudix (nucleoside diphosphate linked moiety X)-type motif 22	ENSG00000149761	U
NUDT3	nudix (nucleoside diphosphate linked moiety X)-type motif 3	ENSG00000112664	U
NUDT5	nudix (nucleoside diphosphate linked moiety X)-type motif 5	ENSG00000165609	U
NUF2	NUF2, NDC80 kinetochore complex component, homolog (S. cerevisiae)	ENSG00000143228	D
NUFIP1	nuclear fragile X mental retardation protein interacting protein 1	ENSG00000083635	D
NUFIP2	nuclear fragile X mental retardation protein interacting protein 2	ENSG00000108256	U
NUMB	numb homolog (Drosophila)	ENSG00000133961	U
NUP107	nucleoporin 107kDa	ENSG00000111581	U
NUP133	nucleoporin 133kDa	ENSG00000069248	U
NUP153	nucleoporin 153kDa	ENSG00000124789	U
NUP160	nucleoporin 160kDa	ENSG00000030066	U
NUP205	nucleoporin 205kDa	ENSG00000155561	U
NUP210L	nucleoporin 210kDa-like	ENSG00000143552	D
NUP214	nucleoporin 214kDa	ENSG00000126883	U
NUP37	nucleoporin 37kDa	ENSG00000075188	U
NUP62CL	nucleoporin 62kDa C-terminal like	ENSG00000198088	D
NUP85	nucleoporin 85kDa	ENSG00000125450	U
NUP88	nucleoporin 88kDa	ENSG00000108559	U

NUP93	nucleoporin 93kDa	ENSG00000102900	U
NUPL1	nucleoporin like 1	ENSG00000139496	D
NUPR1	nuclear protein, transcriptional regulator, 1	ENSG00000176046	U
NUS1	nuclear undecaprenyl pyrophosphate synthase 1 homolog (<i>S. cerevisiae</i>)	ENSG00000153989	D
NUTF2	nuclear transport factor 2	ENSG00000102898	U
NXF1	nuclear RNA export factor 1	ENSG00000162231	U
NXF2	nuclear RNA export factor 2	ENSG00000185554	D
NXF3	nuclear RNA export factor 3	ENSG00000147206	D
NXF5	nuclear RNA export factor 5	ENSG00000126952	D
NXNL2	nucleoredoxin-like 2	ENSG00000130045	D
NXPE1	neurexophilin and PC-esterase domain family, member 1	ENSG00000095110	D
NXPE2	neurexophilin and PC-esterase domain family, member 2	ENSG00000204361	D
NXPE3	neurexophilin and PC-esterase domain family, member 3	ENSG00000144815	D
NXPH1	neurexophilin 1	ENSG00000122584	D
NXPH2	neurexophilin 2	ENSG00000144227	D
NXT1	NTF2-like export factor 1	ENSG00000132661	U
NYX	nyctalopin	ENSG00000188937	D
O3FAR1	omega-3 fatty acid receptor 1	ENSG00000186188	D
OAF	OAF homolog (<i>Drosophila</i>)	ENSG00000184232	U
OAS1	2'-5'-oligoadenylate synthetase 1, 40/46kDa	ENSG00000089127	D
OAT	ornithine aminotransferase	ENSG00000065154	U
OAZ2	ornithine decarboxylase antizyme 2	ENSG00000180304	U
OBFC1	oligonucleotide/oligosaccharide-binding fold containing 1	ENSG00000107960	U
OBP2A	odorant binding protein 2A	ENSG00000122136	D
OCA2	oculocutaneous albinism II	ENSG00000104044	D
OCEL1	occludin/ELL domain containing 1	ENSG00000099330	U
OCM2	oncomodulin 2	ENSG00000135175	D
OCRL	oculocerebrorenal syndrome of Lowe	ENSG00000122126	U
ODC1	ornithine decarboxylase 1	ENSG00000115758	U
ODF3B	outer dense fiber of sperm tails 3B	ENSG00000177989	D

ODF4	outer dense fiber of sperm tails 4	ENSG00000184650	D
OGDHL	oxoglutarate dehydrogenase-like	ENSG00000197444	D
OGFOD2	2-oxoglutarate and iron-dependent oxygenase domain containing 2	ENSG00000111325	D
OGFR	opioid growth factor receptor	ENSG00000060491	U
OGG1	8-oxoguanine DNA glycosylase	ENSG00000114026	D
OGN	osteoglycin	ENSG00000106809	D
OIT3	oncoprotein induced transcript 3	ENSG00000138315	D
OLA1	Obg-like ATPase 1	ENSG00000138430	D
OLAH	oleoyl-ACP hydrolase	ENSG00000152463	U
OLFM1	olfactomedin 1	ENSG00000130558	D
OLFM3	olfactomedin 3	ENSG00000118733	D
OLFM4	olfactomedin 4	ENSG00000102837	D
OLFML2B	olfactomedin-like 2B	ENSG00000162745	U
OLFML3	olfactomedin-like 3	ENSG00000116774	U
OLIG3	oligodendrocyte transcription factor 3	ENSG00000177468	D
OMG	oligodendrocyte myelin glycoprotein	ENSG00000126861	D
OMP	olfactory marker protein	ENSG00000254550	D
ONECUT1	one cut homeobox 1	ENSG00000169856	D
OPCML	opioid binding protein/cell adhesion molecule-like	ENSG00000183715	D
OPN1MW	opsin 1 (cone pigments), medium-wave-sensitive	ENSG00000147380	D
OPN3	opsin 3	ENSG00000054277	U
OPN4	opsin 4	ENSG00000122375	D
OPRL1	opiate receptor-like 1	ENSG00000125510	D
OPRM1	opioid receptor, mu 1	ENSG00000112038	D
OPTC	opticin	ENSG00000188770	D
OPTN	optineurin	ENSG00000123240	U
OR10A4	olfactory receptor, family 10, subfamily A, member 4	ENSG00000170782	D
OR10A5	olfactory receptor, family 10, subfamily A, member 5	ENSG00000166363	D
OR10G8	olfactory receptor, family 10, subfamily G, member 8	ENSG00000234560	D
OR10H2	olfactory receptor, family 10, subfamily H, member 2	ENSG00000171942	D

OR10H4	olfactory receptor, family 10, subfamily H, member 4	ENSG00000176231	D
OR10J1	olfactory receptor, family 10, subfamily J, member 1	ENSG00000196184	D
OR10J3	olfactory receptor, family 10, subfamily J, member 3	ENSG00000196266	D
OR10J5	olfactory receptor, family 10, subfamily J, member 5	ENSG00000184155	D
OR10P1	olfactory receptor, family 10, subfamily P, member 1	ENSG00000175398	D
OR10R2	olfactory receptor, family 10, subfamily R, member 2	ENSG00000198965	D
OR11A1	olfactory receptor, family 11, subfamily A, member 1	ENSG00000204694	D
OR11G2	olfactory receptor, family 11, subfamily G, member 2	ENSG00000196832	D
OR12D2	olfactory receptor, family 12, subfamily D, member 2	ENSG00000168787	D
OR12D3	olfactory receptor, family 12, subfamily D, member 3	ENSG00000112462	D
OR13C4	olfactory receptor, family 13, subfamily C, member 4	ENSG00000148136	D
OR1A2	olfactory receptor, family 1, subfamily A, member 2	ENSG00000172150	D
OR1D2	olfactory receptor, family 1, subfamily D, member 2	ENSG00000184166	D
OR1G1	olfactory receptor, family 1, subfamily G, member 1	ENSG00000183024	D
OR1L3	olfactory receptor, family 1, subfamily L, member 3	ENSG00000171481	D
OR1L4	olfactory receptor, family 1, subfamily L, member 4	ENSG00000136939	D
OR1N2	olfactory receptor, family 1, subfamily N, member 2	ENSG00000171501	D
OR1Q1	olfactory receptor, family 1, subfamily Q, member 1	ENSG00000165202	D
OR1S2	olfactory receptor, family 1, subfamily S, member 2	ENSG00000197887	D
OR2A25	olfactory receptor, family 2, subfamily A, member 25	ENSG00000221933	D
OR2A7	olfactory receptor, family 2, subfamily A, member 7	ENSG00000243896	D
OR2B6	olfactory receptor, family 2, subfamily B, member 6	ENSG00000124657	D
OR2C1	olfactory receptor, family 2, subfamily C, member 1	ENSG00000168158	D
OR2C3	olfactory receptor, family 2, subfamily C, member 3	ENSG00000196242	D
OR2F1	olfactory receptor, family 2, subfamily F, member 1	ENSG00000213215	D
OR2H1	olfactory receptor, family 2, subfamily H, member 1	ENSG00000204688	D
OR2H2	olfactory receptor, family 2, subfamily H, member 2	ENSG00000204657	D
OR2J2	olfactory receptor, family 2, subfamily J, member 2	ENSG00000204700	D
OR2L13	olfactory receptor, family 2, subfamily L, member 13	ENSG00000196071	D
OR2M2	olfactory receptor, family 2, subfamily M, member 2	ENSG00000198601	D

OR2T8	olfactory receptor, family 2, subfamily T, member 8	ENSG00000177462	D
OR2V2	olfactory receptor, family 2, subfamily V, member 2	ENSG00000182613	D
OR2W1	olfactory receptor, family 2, subfamily W, member 1	ENSG00000204704	D
OR2W3	olfactory receptor, family 2, subfamily W, member 3	ENSG00000238243	D
OR3A1	olfactory receptor, family 3, subfamily A, member 1	ENSG00000180090	D
OR3A2	olfactory receptor, family 3, subfamily A, member 2	ENSG00000221882	D
OR4C3	olfactory receptor, family 4, subfamily C, member 3	ENSG00000176547	D
OR4C46	olfactory receptor, family 4, subfamily C, member 46	ENSG00000185926	D
OR4D5	olfactory receptor, family 4, subfamily D, member 5	ENSG00000171014	D
OR4F4	olfactory receptor, family 4, subfamily F, member 4	ENSG00000177693	D
OR4K17	olfactory receptor, family 4, subfamily K, member 17	ENSG00000176230	D
OR4S1	olfactory receptor, family 4, subfamily S, member 1	ENSG00000176555	D
OR4X2	olfactory receptor, family 4, subfamily X, member 2	ENSG00000172208	D
OR51A7	olfactory receptor, family 51, subfamily A, member 7	ENSG00000176895	D
OR51B4	olfactory receptor, family 51, subfamily B, member 4	ENSG00000183251	D
OR51B5	olfactory receptor, family 51, subfamily B, member 5	NA	D
OR51D1	olfactory receptor, family 51, subfamily D, member 1	ENSG00000197428	D
OR51G1	olfactory receptor, family 51, subfamily G, member 1	ENSG00000176879	D
OR52A1	olfactory receptor, family 52, subfamily A, member 1	ENSG00000182070	D
OR52B2	olfactory receptor, family 52, subfamily B, member 2	ENSG00000255307	D
OR52K2	olfactory receptor, family 52, subfamily K, member 2	ENSG00000181963	D
OR5A1	olfactory receptor, family 5, subfamily A, member 1	ENSG00000172320	D
OR5AP2	olfactory receptor, family 5, subfamily AP, member 2	ENSG00000172464	D
OR5F1	olfactory receptor, family 5, subfamily F, member 1	ENSG00000149133	D
OR5H1	olfactory receptor, family 5, subfamily H, member 1	ENSG00000231192	D
OR5I1	olfactory receptor, family 5, subfamily I, member 1	ENSG00000167825	D
OR5P2	olfactory receptor, family 5, subfamily P, member 2	ENSG00000183303	D
OR5P3	olfactory receptor, family 5, subfamily P, member 3	ENSG00000182334	D
OR5T2	olfactory receptor, family 5, subfamily T, member 2	ENSG00000181718	D
OR5V1	olfactory receptor, family 5, subfamily V, member 1	ENSG00000243729	D

OR6A2	olfactory receptor, family 6, subfamily A, member 2	ENSG00000184933	D
OR6M1	olfactory receptor, family 6, subfamily M, member 1	ENSG00000196099	D
OR6Y1	olfactory receptor, family 6, subfamily Y, member 1	ENSG00000197532	D
OR7A10	olfactory receptor, family 7, subfamily A, member 10	ENSG00000127515	D
OR7A17	olfactory receptor, family 7, subfamily A, member 17	ENSG00000185385	D
OR7A5	olfactory receptor, family 7, subfamily A, member 5	NA	D
OR7C2	olfactory receptor, family 7, subfamily C, member 2	ENSG00000127529	D
OR7D2	olfactory receptor, family 7, subfamily D, member 2	ENSG00000188000	D
OR8B8	olfactory receptor, family 8, subfamily B, member 8	ENSG00000197125	D
OR8D1	olfactory receptor, family 8, subfamily D, member 1	ENSG00000196341	D
OR8G1	olfactory receptor, family 8, subfamily G, member 1	NA	D
OR8H1	olfactory receptor, family 8, subfamily H, member 1	ENSG00000181693	D
OR8J1	olfactory receptor, family 8, subfamily J, member 1	ENSG00000172487	D
OR8K3	olfactory receptor, family 8, subfamily K, member 3	ENSG00000181689	D
ORAI2	ORAI calcium release-activated calcium modulator 2	ENSG00000160991	D
ORM1	orosomucoid 1	ENSG00000229314	D
ORMDL1	ORM1-like 1 (<i>S. cerevisiae</i>)	ENSG00000128699	U
OS9	osteosarcoma amplified 9, endoplasmic reticulum lectin	ENSG00000135506	U
OSBPL10	oxysterol binding protein-like 10	ENSG00000144645	U
OSBPL2	oxysterol binding protein-like 2	ENSG00000130703	U
OSBPL6	oxysterol binding protein-like 6	ENSG00000079156	D
OSCAR	osteoclast associated, immunoglobulin-like receptor	ENSG00000170909	D
OSM	oncostatin M	ENSG00000099985	D
OSMR	oncostatin M receptor	ENSG00000145623	U
OTOA	otoancorin	ENSG00000155719	D
OTOF	otoferlin	ENSG00000115155	D
OTOGL	otogelin-like	ENSG00000165899	D
OTOP1	otopettrin 1	ENSG00000163982	D
OTOP3	otopettrin 3	ENSG00000182938	D
OTOR	otoraplin	ENSG00000125879	D

OTP	orthopedia homeobox	ENSG00000171540	D
OTUD4	OTU domain containing 4	ENSG00000164164	U
OTUD5	OTU domain containing 5	ENSG00000068308	U
OTUD6A	OTU domain containing 6A	ENSG00000189401	D
OTUD7A	OTU domain containing 7A	ENSG00000169918	D
OTX1	orthodenticle homeobox 1	ENSG00000115507	D
OXA1L	oxidase (cytochrome c) assembly 1-like	ENSG00000155463	U
OXCT2	3-oxoacid CoA transferase 2	ENSG00000198754	D
OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	ENSG00000165621	D
OXR1	oxidation resistance 1	ENSG00000164830	U
OXSRI	oxidative-stress responsive 1	ENSG00000172939	U
P2RX3	purinergic receptor P2X, ligand-gated ion channel, 3	ENSG00000109991	D
P2RX4	purinergic receptor P2X, ligand-gated ion channel, 4	ENSG00000135124	U
P2RX5	purinergic receptor P2X, ligand-gated ion channel, 5	ENSG00000257950	D
P2RX6	purinergic receptor P2X, ligand-gated ion channel, 6	ENSG00000099957	D
P2RY10	purinergic receptor P2Y, G-protein coupled, 10	ENSG00000078589	D
P2RY14	purinergic receptor P2Y, G-protein coupled, 14	ENSG00000174944	D
P4HA2	prolyl 4-hydroxylase, alpha polypeptide II	ENSG00000072682	U
P4HA3	prolyl 4-hydroxylase, alpha polypeptide III	ENSG00000149380	D
PA2G4	proliferation-associated 2G4, 38kDa	ENSG00000170515	U
PAAF1	proteasomal ATPase-associated factor 1	ENSG00000175575	U
PABPC3	poly(A) binding protein, cytoplasmic 3	ENSG00000151846	D
PABPC4	poly(A) binding protein, cytoplasmic 4 (inducible form)	ENSG00000090621	U
PABPC5	poly(A) binding protein, cytoplasmic 5	ENSG00000174740	D
PABPN1	poly(A) binding protein, nuclear 1	ENSG00000100836	U
PACRGL	PARK2 co-regulated-like	ENSG00000163138	D
PACSIN1	protein kinase C and casein kinase substrate in neurons 1	ENSG00000124507	D
PACSIN3	protein kinase C and casein kinase substrate in neurons 3	ENSG00000165912	U
PADI2	peptidyl arginine deiminase, type II	ENSG00000117115	D
PAF1	Paf1, RNA polymerase II associated factor, homolog (S. cerevisiae)	ENSG00000006712	U

PAFAH1B1	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa)	ENSG00000007168	U
PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	ENSG00000158006	U
PAICS	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	ENSG00000128050	U
PAIP1	poly(A) binding protein interacting protein 1	ENSG00000172239	D
PAIP2	poly(A) binding protein interacting protein 2	ENSG00000120727	U
PAK1	p21 protein (Cdc42/Rac)-activated kinase 1	ENSG00000149269	U
PAK7	p21 protein (Cdc42/Rac)-activated kinase 7	ENSG00000101349	D
PALLD	palladin, cytoskeletal associated protein	ENSG00000129116	U
PALM	paralemmin	ENSG00000099864	U
PALMD	palmelphin	ENSG00000099260	D
PAM16	presequence translocase-associated motor 16 homolog (S. cerevisiae)	ENSG00000217930	U
PAN3	PAN3 poly(A) specific ribonuclease subunit homolog (S. cerevisiae)	ENSG00000152520	U
PANK1	pantothenate kinase 1	ENSG00000152782	D
PANX2	pannexin 2	ENSG00000073150	D
PAPD4	PAP associated domain containing 4	ENSG00000164329	U
PAPD7	PAP associated domain containing 7	ENSG00000112941	U
PAPL	iron/zinc purple acid phosphatase-like protein	ENSG00000183760	D
PAPOLA	poly(A) polymerase alpha	ENSG00000090060	U
PAPOLG	poly(A) polymerase gamma	ENSG00000115421	D
PAPPA2	pappalysin 2	ENSG00000116183	U
PAPSS1	3'-phosphoadenosine 5'-phosphosulfate synthase 1	ENSG00000138801	U
PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	ENSG00000198682	U
PAQR5	progesterone and adiponectin receptor family member V	ENSG00000137819	D
PAQR6	progesterone and adiponectin receptor family member VI	ENSG00000160781	D
PAQR9	progesterone and adiponectin receptor family member IX	ENSG00000188582	D
PARD3B	par-3 partitioning defective 3 homolog B (C. elegans)	ENSG00000116117	D
PARK2	parkinson protein 2, E3 ubiquitin protein ligase (parkin)	ENSG00000185345	D
PARL	presenilin associated, rhomboid-like	ENSG00000175193	U

PARM1	prostate androgen-regulated mucin-like protein 1	ENSG00000169116	U
PARN	poly(A)-specific ribonuclease	ENSG00000140694	U
PARP12	poly (ADP-ribose) polymerase family, member 12	ENSG00000059378	U
PARP14	poly (ADP-ribose) polymerase family, member 14	ENSG00000173193	U
PARP4	poly (ADP-ribose) polymerase family, member 4	ENSG00000102699	U
PARP8	poly (ADP-ribose) polymerase family, member 8	ENSG00000151883	D
PART1	prostate androgen-regulated transcript 1 (non-protein coding)	NA	D
PATE1	prostate and testis expressed 1	ENSG00000171053	D
PATL1	protein associated with topoisomerase II homolog 1 (yeast)	ENSG00000166889	U
PATZ1	POZ (BTB) and AT hook containing zinc finger 1	ENSG00000100105	D
PAX1	paired box 1	ENSG00000125813	D
PAX2	paired box 2	ENSG00000075891	D
PAX3	paired box 3	ENSG00000135903	D
PAX4	paired box 4	ENSG00000106331	D
PAX5	paired box 5	ENSG00000196092	D
PAX6	paired box 6	ENSG00000007372	D
PAX8	paired box 8	ENSG00000125618	D
PAX9	paired box 9	ENSG00000198807	D
PBOV1	prostate and breast cancer overexpressed 1	ENSG00000254440	D
PBX2	pre-B-cell leukemia homeobox 2	ENSG00000204304	U
PBX4	pre-B-cell leukemia homeobox 4	ENSG00000105717	D
	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of		
PCBD1	hepatocyte nuclear factor 1 alpha	ENSG00000166228	U
PCBP3	poly(rC) binding protein 3	ENSG00000183570	D
PCCA	propionyl CoA carboxylase, alpha polypeptide	ENSG00000175198	U
PCCB	propionyl CoA carboxylase, beta polypeptide	ENSG00000114054	U
PCDH1	protocadherin 1	ENSG00000156453	U
PCDH11X	protocadherin 11 X-linked	ENSG00000102290	D
PCDH11Y	protocadherin 11 Y-linked	ENSG00000099715	D
PCDH12	protocadherin 12	ENSG00000113555	U

PCDH19	protocadherin 19	ENSG00000165194	D
PCDH20	protocadherin 20	ENSG00000197991	D
PCDH7	protocadherin 7	ENSG00000169851	D
PCDH9	protocadherin 9	ENSG00000184226	D
PCDHA11	protocadherin alpha 11	ENSG00000249158	D
PCDHA9	protocadherin alpha 9	ENSG00000204961	D
PCDHAC1	protocadherin alpha subfamily C, 1	ENSG00000248383	D
PCDHAC2	protocadherin alpha subfamily C, 2	ENSG00000243232	D
PCDHB11	protocadherin beta 11	ENSG00000197479	D
PCDHB12	protocadherin beta 12	ENSG00000120328	D
PCDHB13	protocadherin beta 13	ENSG00000187372	D
PCDHB14	protocadherin beta 14	ENSG00000120327	D
PCDHB15	protocadherin beta 15	ENSG00000113248	D
PCDHB2	protocadherin beta 2	ENSG00000112852	D
PCDHB4	protocadherin beta 4	ENSG00000081818	D
PCDHB6	protocadherin beta 6	ENSG00000113211	D
PCDHB7	protocadherin beta 7	ENSG00000113212	D
PCDHB9	protocadherin beta 9	NA	D
PCDHGA12	protocadherin gamma subfamily A, 12	ENSG00000253159	D
PCDHGA5	protocadherin gamma subfamily A, 5	ENSG00000253485	D
PCDHGA7	protocadherin gamma subfamily A, 7	ENSG00000253537	D
PCDHGA8	protocadherin gamma subfamily A, 8	ENSG00000253767	D
PCDHGA9	protocadherin gamma subfamily A, 9	ENSG00000261934	D
PCDHGB1	protocadherin gamma subfamily B, 1	ENSG00000254221	D
PCDHGB2	protocadherin gamma subfamily B, 2	ENSG00000253910	D
PCDHGB3	protocadherin gamma subfamily B, 3	ENSG00000262209	D
PCDHGB4	protocadherin gamma subfamily B, 4	ENSG00000253953	D
PCDHGB7	protocadherin gamma subfamily B, 7	ENSG00000254122	D
PCDHGC3	protocadherin gamma subfamily C, 3	ENSG00000240184	D
PCDHGC5	protocadherin gamma subfamily C, 5	ENSG00000240764	D

PCDP1	primary ciliary dyskinesia protein 1	ENSG00000163075	D
PCGF1	polycomb group ring finger 1	ENSG00000115289	U
PCGF2	polycomb group ring finger 2	ENSG00000056661	U
PCGF3	polycomb group ring finger 3	ENSG00000185619	D
PCID2	PCI domain containing 2	ENSG00000126226	U
PCM1	pericentriolar material 1	ENSG00000078674	U
PCMTD1	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	ENSG00000168300	U
PCNP	PEST proteolytic signal containing nuclear protein	ENSG00000081154	U
PCNT	pericentrin	ENSG00000160299	U
PCNX	pecanex homolog (Drosophila)	ENSG00000100731	U
PCOLCE	procollagen C-endopeptidase enhancer	ENSG00000106333	U
PCOLCE2	procollagen C-endopeptidase enhancer 2	ENSG00000163710	U
PCSK4	proprotein convertase subtilisin/kexin type 4	ENSG00000115257	D
PCSK7	proprotein convertase subtilisin/kexin type 7	ENSG00000160613	U
PCTP	phosphatidylcholine transfer protein	ENSG00000141179	U
PCYOX1	prenylcysteine oxidase 1	ENSG00000116005	U
PCYT1B	phosphate cytidyltransferase 1, choline, beta	ENSG00000102230	D
PDAP1	PDGFA associated protein 1	ENSG00000106244	D
PDCD1	programmed cell death 1	ENSG00000188389	D
PDCD1LG2	programmed cell death 1 ligand 2	ENSG00000197646	D
PDCD2	programmed cell death 2	ENSG00000071994	U
PDCD4	programmed cell death 4 (neoplastic transformation inhibitor)	ENSG00000150593	U
PDCD5	programmed cell death 5	ENSG00000105185	U
PDCD6IP	programmed cell death 6 interacting protein	ENSG00000170248	U
PDCD7	programmed cell death 7	ENSG00000090470	U
PDCL2	phosducin-like 2	ENSG00000163440	D
PDCL3	phosducin-like 3	ENSG00000115539	U
PDE10A	phosphodiesterase 10A	ENSG00000112541	D
PDE11A	phosphodiesterase 11A	ENSG00000128655	D

PDE1A	phosphodiesterase 1A, calmodulin-dependent	ENSG00000115252	D
PDE1B	phosphodiesterase 1B, calmodulin-dependent	ENSG00000123360	D
PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	ENSG00000154678	D
PDE4C	phosphodiesterase 4C, cAMP-specific	ENSG00000105650	D
PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	ENSG00000132915	D
PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	ENSG00000139053	D
PDE8B	phosphodiesterase 8B	ENSG00000113231	U
PDGFA	platelet-derived growth factor alpha polypeptide	ENSG00000197461	D
PDGFRL	platelet-derived growth factor receptor-like	ENSG00000104213	U
PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	ENSG00000131828	U
PDHA2	pyruvate dehydrogenase (lipoamide) alpha 2	ENSG00000163114	D
PDHX	pyruvate dehydrogenase complex, component X	ENSG00000110435	U
PDIA2	protein disulfide isomerase family A, member 2	ENSG00000185615	D
PDIA3	protein disulfide isomerase family A, member 3	ENSG00000167004	D
PDIA4	protein disulfide isomerase family A, member 4	ENSG00000155660	U
PDIA5	protein disulfide isomerase family A, member 5	ENSG00000065485	U
PDIA6	protein disulfide isomerase family A, member 6	ENSG00000143870	U
PKD1	pyruvate dehydrogenase kinase, isozyme 1	ENSG00000152256	D
PKD4	pyruvate dehydrogenase kinase, isozyme 4	ENSG00000004799	U
PDPN	podoplanin	ENSG00000162493	U
PDX1	pancreatic and duodenal homeobox 1	ENSG00000139515	D
PDXK	pyridoxal (pyridoxine, vitamin B6) kinase	ENSG00000160209	U
PDYN	prodynorphin	ENSG00000101327	D
PDZD2	PDZ domain containing 2	ENSG00000133401	U
PDZD3	PDZ domain containing 3	ENSG00000172367	D
PDZD4	PDZ domain containing 4	ENSG00000067840	D
PDZD7	PDZ domain containing 7	ENSG00000186862	D
PDZK1	PDZ domain containing 1	ENSG00000174827	D
PDZK1IP1	PDZK1 interacting protein 1	ENSG00000162366	D
PEF1	penta-EF-hand domain containing 1	ENSG00000162517	U

PELI1	pellino E3 ubiquitin protein ligase 1	ENSG00000197329	U
PELI3	pellino E3 ubiquitin protein ligase family member 3	ENSG00000174516	D
PELO	pelota homolog (Drosophila)	ENSG00000152684	U
PELP1	proline, glutamate and leucine rich protein 1	ENSG00000141456	U
PEPD	peptidase D	ENSG00000124299	U
PER3	period homolog 3 (Drosophila)	ENSG00000049246	D
PEX11B	peroxisomal biogenesis factor 11 beta	ENSG00000131779	U
PEX12	peroxisomal biogenesis factor 12	ENSG00000108733	D
PEX14	peroxisomal biogenesis factor 14	ENSG00000142655	U
PEX19	peroxisomal biogenesis factor 19	ENSG00000162735	U
PEX5	peroxisomal biogenesis factor 5	ENSG00000139197	U
PEX5L	peroxisomal biogenesis factor 5-like	ENSG00000114757	D
PF4V1	platelet factor 4 variant 1	ENSG00000109272	D
PFDN1	prefoldin subunit 1	ENSG00000113068	U
PFDN4	prefoldin subunit 4	ENSG00000101132	D
PFDN6	prefoldin subunit 6	ENSG00000204220	U
PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	ENSG00000114268	U
PFKL	phosphofructokinase, liver	ENSG00000141959	U
PFN2	profilin 2	ENSG00000070087	U
PFN3	profilin 3	ENSG00000196570	D
PFN4	profilin family, member 4	ENSG00000176732	D
PGAM1	phosphoglycerate mutase 1 (brain)	ENSG00000171314	U
PGAP2	post-GPI attachment to proteins 2	ENSG00000148985	U
PGBD4	piggyBac transposable element derived 4	ENSG00000182405	D
PGBD5	piggyBac transposable element derived 5	ENSG00000177614	D
PGD	phosphogluconate dehydrogenase	ENSG00000142657	U
PGK2	phosphoglycerate kinase 2	ENSG00000170950	D
PGLS	6-phosphogluconolactonase	ENSG00000130313	U
PGLYRP2	peptidoglycan recognition protein 2	ENSG00000161031	D
PGLYRP3	peptidoglycan recognition protein 3	ENSG00000159527	D

PGM2	phosphoglucomutase 2	ENSG00000169299	U
PGM2L1	phosphoglucomutase 2-like 1	ENSG00000165434	D
PGM3	phosphoglucomutase 3	ENSG00000013375	U
PGR	progesterone receptor	ENSG00000082175	D
PHACTR1	phosphatase and actin regulator 1	ENSG00000112137	D
PHACTR3	phosphatase and actin regulator 3	ENSG00000087495	D
PHACTR4	phosphatase and actin regulator 4	ENSG00000204138	U
PHB	prohibitin	ENSG00000167085	U
PHC3	polyhomeotic homolog 3 (Drosophila)	ENSG00000173889	D
PHEX	phosphate regulating endopeptidase homolog, X-linked	ENSG00000102174	D
PHF10	PHD finger protein 10	ENSG00000130024	U
PHF11	PHD finger protein 11	ENSG00000136147	U
PHF12	PHD finger protein 12	ENSG00000109118	U
PHF13	PHD finger protein 13	ENSG00000116273	U
PHF16	PHD finger protein 16	ENSG00000102221	U
PHF2	PHD finger protein 2	ENSG00000197724	U
PHF21A	PHD finger protein 21A	ENSG00000135365	U
PHF23	PHD finger protein 23	ENSG00000040633	U
PHF3	PHD finger protein 3	ENSG00000118482	U
PHF6	PHD finger protein 6	ENSG00000156531	D
PHF7	PHD finger protein 7	ENSG00000010318	D
PHF8	PHD finger protein 8	ENSG00000172943	D
PHGDH	phosphoglycerate dehydrogenase	ENSG00000092621	U
PHIP	pleckstrin homology domain interacting protein	ENSG00000146247	U
PHKA2	phosphorylase kinase, alpha 2 (liver)	ENSG00000044446	U
PHLDA2	pleckstrin homology-like domain, family A, member 2	ENSG00000181649	U
PHLDA3	pleckstrin homology-like domain, family A, member 3	ENSG00000174307	U
PHLDB1	pleckstrin homology-like domain, family B, member 1	ENSG00000019144	U
PHLDB2	pleckstrin homology-like domain, family B, member 2	ENSG00000144824	U
PHOX2B	paired-like homeobox 2b	ENSG00000109132	D

PHPT1	phosphohistidine phosphatase 1	ENSG00000054148	U
PHRF1	PHD and ring finger domains 1	ENSG00000070047	U
PHYH	phytanoyl-CoA 2-hydroxylase	ENSG00000107537	U
PHYHIPL	phytanoyl-CoA 2-hydroxylase interacting protein-like	ENSG00000165443	U
PI15	peptidase inhibitor 15	ENSG00000137558	D
PI3	peptidase inhibitor 3, skin-derived	ENSG00000124102	D
PI4KA	phosphatidylinositol 4-kinase, catalytic, alpha	ENSG00000241973	U
PI4KB	phosphatidylinositol 4-kinase, catalytic, beta	ENSG00000143393	U
PIANP	PILR alpha associated neural protein	ENSG00000139200	D
PIAS1	protein inhibitor of activated STAT, 1	ENSG00000033800	U
PIAS2	protein inhibitor of activated STAT, 2	ENSG00000078043	D
PIAS4	protein inhibitor of activated STAT, 4	ENSG00000105229	U
PICALM	phosphatidylinositol binding clathrin assembly protein	ENSG00000073921	U
PICK1	protein interacting with PRKCA 1	ENSG00000100151	D
PIEZO2	piezo-type mechanosensitive ion channel component 2	ENSG00000154864	D
PIF1	PIF1 5'-to-3' DNA helicase homolog (<i>S. cerevisiae</i>)	ENSG00000140451	D
PIGB	phosphatidylinositol glycan anchor biosynthesis, class B	ENSG00000069943	U
PIGC	phosphatidylinositol glycan anchor biosynthesis, class C	ENSG00000135845	U
PIGM	phosphatidylinositol glycan anchor biosynthesis, class M	ENSG00000143315	U
PIGP	phosphatidylinositol glycan anchor biosynthesis, class P	ENSG00000185808	U
PIGQ	phosphatidylinositol glycan anchor biosynthesis, class Q	ENSG00000007541	U
PIGR	polymeric immunoglobulin receptor	ENSG00000162896	D
PIGS	phosphatidylinositol glycan anchor biosynthesis, class S	ENSG00000087111	U
PIGT	phosphatidylinositol glycan anchor biosynthesis, class T	ENSG00000124155	U
PIGU	phosphatidylinositol glycan anchor biosynthesis, class U	ENSG00000101464	U
PIGV	phosphatidylinositol glycan anchor biosynthesis, class V	ENSG00000060642	U
PIGX	phosphatidylinositol glycan anchor biosynthesis, class X	ENSG00000163964	U
PIH1D1	PIH1 domain containing 1	ENSG00000104872	U
PIH1D2	PIH1 domain containing 2	ENSG00000150773	D
PIH1D3	PIH1 domain containing 3	ENSG00000080572	D

	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2		
PIK3C2G	gamma	ENSG00000139144	D
PIK3CB	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta	ENSG00000051382	U
	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit		
PIK3CG	gamma	ENSG00000105851	D
PIK3IP1	phosphoinositide-3-kinase interacting protein 1	ENSG00000100100	U
PIK3R5	phosphoinositide-3-kinase, regulatory subunit 5	ENSG00000141506	D
PIK3R6	phosphoinositide-3-kinase, regulatory subunit 6	NA	D
PIKFYVE	phosphoinositide kinase, FYVE finger containing	ENSG00000115020	D
PIM3	pim-3 oncogene	ENSG00000198355	U
PIN1	peptidylprolyl cis/trans isomerase, NIMA-interacting 1	ENSG00000127445	U
PINK1	PTEN induced putative kinase 1	ENSG00000158828	U
PIP4K2B	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	ENSG00000141720	U
PIP4K2C	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	ENSG00000166908	U
PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	ENSG00000186111	U
PIR	pirin (iron-binding nuclear protein)	ENSG00000087842	U
	PITH (C-terminal proteasome-interacting domain of thioredoxin-like)		
PITHD1	domain containing 1	ENSG00000057757	U
PITPNM1	phosphatidylinositol transfer protein, membrane-associated 1	ENSG00000110697	U
PITPNM2	phosphatidylinositol transfer protein, membrane-associated 2	ENSG00000090975	D
PITPNM3	PITPNM family member 3	ENSG00000091622	D
PITX3	paired-like homeodomain 3	ENSG00000107859	D
PIWIL1	piwi-like 1 (Drosophila)	ENSG00000125207	D
PIWIL2	piwi-like 2 (Drosophila)	ENSG00000197181	D
PIWIL3	piwi-like 3 (Drosophila)	ENSG00000184571	D
PIWIL4	piwi-like 4 (Drosophila)	ENSG00000134627	D
PKD2L1	polycystic kidney disease 2-like 1	ENSG00000107593	D
PKHD1	polycystic kidney and hepatic disease 1 (autosomal recessive)	ENSG00000170927	D
PKHD1L1	polycystic kidney and hepatic disease 1 (autosomal recessive)-like 1	ENSG00000205038	D
PKIB	protein kinase (cAMP-dependent, catalytic) inhibitor beta	ENSG00000135549	U

PKLR	pyruvate kinase, liver and RBC	ENSG00000143627	D
PKM	pyruvate kinase, muscle	ENSG00000067225	U
PKP2	plakophilin 2	ENSG00000057294	U
PLA2G12B	phospholipase A2, group XIIB	ENSG00000138308	D
PLA2G15	phospholipase A2, group XV	ENSG00000103066	U
PLA2G1B	phospholipase A2, group IB (pancreas)	ENSG00000170890	D
PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	ENSG00000188257	U
PLA2G2D	phospholipase A2, group IID	ENSG00000117215	D
PLA2G2E	phospholipase A2, group IIE	ENSG00000188784	D
PLA2G2F	phospholipase A2, group IIF	ENSG00000158786	D
PLA2G4D	phospholipase A2, group IVD (cytosolic)	ENSG00000159337	D
PLAC2	placenta-specific 2 (non-protein coding)	NA	U
PLAC4	placenta-specific 4	NA	U
PLAC8	placenta-specific 8	ENSG00000145287	U
PLAGL1	pleiomorphic adenoma gene-like 1	ENSG00000118495	U
PLAT	plasminogen activator, tissue	ENSG00000104368	U
PLBD1	phospholipase B domain containing 1	ENSG00000121316	U
PLCB4	phospholipase C, beta 4	ENSG00000101333	D
PLCD4	phospholipase C, delta 4	ENSG00000115556	D
PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	ENSG00000197943	U
PLCXD1	phosphatidylinositol-specific phospholipase C, X domain containing 1	NA	U
PLCXD2	phosphatidylinositol-specific phospholipase C, X domain containing 2	ENSG00000240891	D
PLCXD3	phosphatidylinositol-specific phospholipase C, X domain containing 3	ENSG00000182836	D
PLD3	phospholipase D family, member 3	ENSG00000105223	U
PLD4	phospholipase D family, member 4	ENSG00000166428	D
PLD5	phospholipase D family, member 5	ENSG00000180287	D
PLEK	pleckstrin	ENSG00000115956	U
	pleckstrin homology domain containing, family A (phosphoinositide		
PLEKHA1	binding specific) member 1	ENSG00000107679	U
PLEKHA5	pleckstrin homology domain containing, family A member 5	ENSG00000052126	U

PLEKHA6	pleckstrin homology domain containing, family A member 6	ENSG00000143850	U
PLEKHA8	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8	ENSG00000106086	D
PLEKHB1	pleckstrin homology domain containing, family B (evectins) member 1	ENSG00000021300	D
PLEKHF1	pleckstrin homology domain containing, family F (with FYVE domain) member 1	ENSG00000166289	U
PLEKHG3	pleckstrin homology domain containing, family G (with RhoGef domain) member 3	ENSG00000126822	U
PLEKHG4B	pleckstrin homology domain containing, family G (with RhoGef domain) member 4B	NA	D
PLEKHG5	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	ENSG00000171680	D
PLEKHG6	pleckstrin homology domain containing, family G (with RhoGef domain) member 6	ENSG00000008323	U
PLEKHO2	pleckstrin homology domain containing, family O member 2	ENSG00000241839,I	U
PLEKHS1	pleckstrin homology domain containing, family S member 1	ENSG00000148735	D
PLGRKT	plasminogen receptor, C-terminal lysine transmembrane protein	ENSG00000107020	U
PLIN1	perilipin 1	ENSG00000166819	D
PLN	phospholamban	ENSG00000198523	D
PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	ENSG00000152952	U
PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	ENSG00000106397	U
PLRG1	pleiotropic regulator 1	ENSG00000171566	U
PLS1	plastin 1	ENSG00000120756	D
PLSCR2	phospholipid scramblase 2	ENSG00000163746	D
PLSCR4	phospholipid scramblase 4	ENSG00000114698	U
PLXNA1	plexin A1	ENSG00000114554	U
PLXNA4	plexin A4	ENSG00000221866	D
PLXNB1	plexin B1	ENSG00000164050	U
PLXNB3	plexin B3	ENSG00000198753	D
PM20D1	peptidase M20 domain containing 1	ENSG00000162877	D

PMCH	pro-melanin-concentrating hormone	ENSG00000183395	D
PMCHL1	pro-melanin-concentrating hormone-like 1, pseudogene	NA	D
PMFBP1	polyamine modulated factor 1 binding protein 1	ENSG00000118557	D
PMM1	phosphomannomutase 1	ENSG00000100417	U
PMM2	phosphomannomutase 2	ENSG00000140650	U
PMP22	peripheral myelin protein 22	ENSG00000109099	U
PMPCA	peptidase (mitochondrial processing) alpha	ENSG00000165688	U
PMPCB	peptidase (mitochondrial processing) beta	ENSG00000105819	U
PMS1	PMS1 postmeiotic segregation increased 1 (<i>S. cerevisiae</i>)	ENSG00000064933	D
PNCK	pregnancy up-regulated non-ubiquitously expressed CaM kinase	ENSG00000130822	U
PNISR	PNN-interacting serine/arginine-rich protein	ENSG00000132424	U
PNKP	polynucleotide kinase 3'-phosphatase	ENSG00000039650	U
PNLDC1	poly(A)-specific ribonuclease (PARN)-like domain containing 1	ENSG00000146453	D
PNLIPRP1	pancreatic lipase-related protein 1	ENSG00000187021	D
PNLIPRP2	pancreatic lipase-related protein 2	ENSG00000165862	D
PNMA3	paraneoplastic Ma antigen 3	ENSG00000183837	D
PNMA6A	paraneoplastic Ma antigen family member 6A	ENSG00000224201	D
PNN	pinin, desmosome associated protein	ENSG00000100941	U
PNOC	prepronociceptin	ENSG00000168081	D
PNPLA1	patatin-like phospholipase domain containing 1	ENSG00000180316	D
PNPLA2	patatin-like phospholipase domain containing 2	ENSG00000177666	U
PNPLA3	patatin-like phospholipase domain containing 3	ENSG00000100344	D
PNPLA4	patatin-like phospholipase domain containing 4	ENSG00000006757	D
PNPLA6	patatin-like phospholipase domain containing 6	ENSG00000032444	U
PNPO	pyridoxamine 5'-phosphate oxidase	ENSG00000108439	U
POF1B	premature ovarian failure, 1B	ENSG00000124429	D
POGK	pogo transposable element with KRAB domain	ENSG00000143157	U
POGLUT1	protein O-glucosyltransferase 1	ENSG00000163389	U
POLD2	polymerase (DNA directed), delta 2, accessory subunit	ENSG00000106628	U
POLDIP3	polymerase (DNA-directed), delta interacting protein 3	ENSG00000100227	U

POLE	polymerase (DNA directed), epsilon, catalytic subunit	ENSG00000177084	U
POLE3	polymerase (DNA directed), epsilon 3, accessory subunit	ENSG00000148229	U
POLE4	polymerase (DNA-directed), epsilon 4, accessory subunit	ENSG00000115350	U
POLG	polymerase (DNA directed), gamma	ENSG00000140521	U
POLI	polymerase (DNA directed) iota	ENSG00000101751	D
POLK	polymerase (DNA directed) kappa	ENSG00000122008	D
POLN	polymerase (DNA directed) nu	ENSG00000130997	D
POLR1C	polymerase (RNA) I polypeptide C, 30kDa	ENSG00000171453	U
POLR1D	polymerase (RNA) I polypeptide D, 16kDa	ENSG00000186184	U
POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	ENSG00000047315	U
POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	ENSG00000102978	U
POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	ENSG00000099817	U
POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	ENSG00000168002	U
POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	ENSG00000105258	U
POLR3B	polymerase (RNA) III (DNA directed) polypeptide B	ENSG00000013503	U
POLR3C	polymerase (RNA) III (DNA directed) polypeptide C (62kD)	ENSG00000186141	U
POLR3GL	polymerase (RNA) III (DNA directed) polypeptide G (32kD)-like	ENSG00000121851	U
POM121	POM121 transmembrane nucleoporin	ENSG00000196313	U
POMGNT1	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	ENSG00000085998	U
PON1	paraoxonase 1	ENSG00000005421	D
PON2	paraoxonase 2	ENSG00000105854	U
POP4	processing of precursor 4, ribonuclease P/MRP subunit (<i>S. cerevisiae</i>)	ENSG00000105171	U
POP7	processing of precursor 7, ribonuclease P/MRP subunit (<i>S. cerevisiae</i>)	ENSG00000172336	U
POPDC3	popeye domain containing 3	ENSG00000132429	D
POR	P450 (cytochrome) oxidoreductase	ENSG00000127948	U
POTEB	POTE ankyrin domain family, member B	NA	D
POTED	POTE ankyrin domain family, member D	NA	D
POTEE	POTE ankyrin domain family, member E	ENSG00000188219	D
POU1F1	POU class 1 homeobox 1	ENSG00000064835	D
POU2F1	POU class 2 homeobox 1	ENSG00000143190	U

POU3F3	POU class 3 homeobox 3	ENSG00000198914	D
POU4F1	POU class 4 homeobox 1	ENSG00000152192	D
POU4F2	POU class 4 homeobox 2	ENSG00000151615	D
POU4F3	POU class 4 homeobox 3	ENSG00000091010	D
POU5F2	POU domain class 5, transcription factor 2	NA	D
PP2D1	protein phosphatase 2C-like domain containing 1	ENSG00000183977	D
PPAP2B	phosphatidic acid phosphatase type 2B	ENSG00000162407	U
PPAPDC1A	phosphatidic acid phosphatase type 2 domain containing 1A	ENSG00000203805	D
PPAPDC2	phosphatidic acid phosphatase type 2 domain containing 2	ENSG00000205808	U
PPAT	phosphoribosyl pyrophosphate amidotransferase	ENSG00000128059	U
PPCDC	phosphopantothenoylcysteine decarboxylase	ENSG00000138621	D
PPCS	phosphopantothenoylcysteine synthetase	ENSG00000127125	U
PPEF1	protein phosphatase, EF-hand calcium binding domain 1	ENSG00000086717	D
PPEF2	protein phosphatase, EF-hand calcium binding domain 2	ENSG00000156194	D
	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF),		
PPFIA1	interacting protein (liprin), alpha 1	ENSG00000131626	U
PPFIBP2	PTPRF interacting protein, binding protein 2 (liprin beta 2)	ENSG00000166387	U
PPIAL4A	peptidylprolyl isomerase A (cyclophilin A)-like 4A	ENSG00000255963	U
PPIC	peptidylprolyl isomerase C (cyclophilin C)	ENSG00000168938	U
PPIH	peptidylprolyl isomerase H (cyclophilin H)	ENSG00000171960	U
PIIP5K1	diphosphoinositol pentakisphosphate kinase 1	ENSG00000168781	D
PIIP5K2	diphosphoinositol pentakisphosphate kinase 2	ENSG00000145725	D
PPM1D	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1D	ENSG00000170836	U
PPM1E	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1E	ENSG00000175175	D
PPM1F	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1F	ENSG00000100034	U
PPM1J	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1J	ENSG00000155367	D
PPM1L	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1L	ENSG00000163590	D
PPM1N	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1N (putative)	ENSG00000213889	D
PPME1	protein phosphatase methylesterase 1	ENSG00000214517	U
PPP1CA	protein phosphatase 1, catalytic subunit, alpha isozyme	ENSG00000172531	U

PPP1CB	protein phosphatase 1, catalytic subunit, beta isozyme	ENSG00000213639	U
PPP1CC	protein phosphatase 1, catalytic subunit, gamma isozyme	ENSG00000186298	U
PPP1R10	protein phosphatase 1, regulatory subunit 10	ENSG00000204569	U
PPP1R12B	protein phosphatase 1, regulatory subunit 12B	ENSG00000077157	D
PPP1R12C	protein phosphatase 1, regulatory subunit 12C	ENSG00000125503	U
PPP1R13L	protein phosphatase 1, regulatory subunit 13 like	ENSG00000104881	U
PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	ENSG00000167641	U
PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	ENSG00000198729	U
PPP1R14D	protein phosphatase 1, regulatory (inhibitor) subunit 14D	ENSG00000166143	D
PPP1R16A	protein phosphatase 1, regulatory subunit 16A	ENSG00000160972	U
PPP1R1B	protein phosphatase 1, regulatory (inhibitor) subunit 1B	ENSG00000131771	D
PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	ENSG00000184203	U
PPP1R21	protein phosphatase 1, regulatory subunit 21	ENSG00000162869	U
PPP1R32	protein phosphatase 1, regulatory subunit 32	ENSG00000162148	D
PPP1R35	protein phosphatase 1, regulatory subunit 35	ENSG00000160813	U
PPP1R36	protein phosphatase 1, regulatory subunit 36	ENSG00000165807	D
PPP1R3A	protein phosphatase 1, regulatory subunit 3A	ENSG00000154415	D
PPP1R7	protein phosphatase 1, regulatory subunit 7	ENSG00000115685	U
PPP1R9B	protein phosphatase 1, regulatory subunit 9B	NA	D
PPP2CB	protein phosphatase 2, catalytic subunit, beta isozyme	ENSG00000104695	U
PPP2R2A	protein phosphatase 2, regulatory subunit B, alpha	ENSG00000221914	U
PPP2R2C	protein phosphatase 2, regulatory subunit B, gamma	ENSG00000074211	D
PPP2R5A	protein phosphatase 2, regulatory subunit B', alpha	ENSG00000066027	U
PPP2R5E	protein phosphatase 2, regulatory subunit B', epsilon isoform	ENSG00000154001	U
PPP3CB	protein phosphatase 3, catalytic subunit, beta isozyme	ENSG00000107758	U
PPP3R1	protein phosphatase 3, regulatory subunit B, alpha	ENSG00000221823	U
PPP3R2	protein phosphatase 3, regulatory subunit B, beta	ENSG00000188386	D
PPP4R1	protein phosphatase 4, regulatory subunit 1	ENSG00000154845	U
PPP4R1L	protein phosphatase 4, regulatory subunit 1-like	NA	D
PPP4R4	protein phosphatase 4, regulatory subunit 4	ENSG00000119698	D

PPP6C	protein phosphatase 6, catalytic subunit	ENSG00000119414	U
PPP6R1	protein phosphatase 6, regulatory subunit 1	ENSG00000105063	U
PPP6R3	protein phosphatase 6, regulatory subunit 3	ENSG00000110075	U
	peroxisome proliferator-activated receptor gamma, coactivator-related		
PPRC1	1	ENSG00000148840	U
PPY	pancreatic polypeptide	ENSG00000108849	D
PPYR1	pancreatic polypeptide receptor 1	ENSG00000204174	D
PQLC1	PQ loop repeat containing 1	ENSG00000122490	U
PQLC2	PQ loop repeat containing 2	ENSG00000040487	D
PQLC3	PQ loop repeat containing 3	ENSG00000162976	U
PRAC	prostate cancer susceptibility candidate	ENSG00000159182	D
PRAM1	PML-RARA regulated adaptor molecule 1	ENSG00000133246	D
PRAME	preferentially expressed antigen in melanoma	ENSG00000185686	D
PRAMEF1	PRAME family member 1	ENSG00000116721	D
PRAMEF10	PRAME family member 10	ENSG00000187545	D
PRAMEF2	PRAME family member 2	ENSG00000120952	D
PRAMEF8	PRAME family member 8	ENSG00000182330	D
PRAP1	proline-rich acidic protein 1	ENSG00000165828	D
PRB1	proline-rich protein BstNI subfamily 1	ENSG00000251655	D
PRB2	proline-rich protein BstNI subfamily 2	ENSG00000121335	D
PRB3	proline-rich protein BstNI subfamily 3	ENSG00000197870	D
PRB4	proline-rich protein BstNI subfamily 4	ENSG00000230657	D
PRC1	protein regulator of cytokinesis 1	ENSG00000198901	U
PRDM14	PR domain containing 14	ENSG00000147596	D
PRDM16	PR domain containing 16	ENSG00000142611	D
PRDM2	PR domain containing 2, with ZNF domain	ENSG00000116731	D
PRDM4	PR domain containing 4	ENSG00000110851	U
PRDM5	PR domain containing 5	ENSG00000138738	D
PREB	prolactin regulatory element binding	ENSG00000138073	U
PRELID1	PRELI domain containing 1	ENSG00000169230	U

PRELID2	PRELI domain containing 2	ENSG00000186314	D
PRELP	proline/arginine-rich end leucine-rich repeat protein	ENSG00000188783	D
PREP	prolyl endopeptidase	ENSG00000085377	U
	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor		
PREX2	2	ENSG00000046889	D
PRH2	proline-rich protein HaeIII subfamily 2	ENSG00000134551	D
PRICKLE4	prickle homolog 4 (Drosophila)	ENSG00000124593	U
PRIM2	primase, DNA, polypeptide 2 (58kDa)	NA	D
PRIMA1	proline rich membrane anchor 1	ENSG00000175785	D
PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit	ENSG00000162409	D
PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	ENSG00000111725	U
PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	ENSG00000072062	D
PRKACB	protein kinase, cAMP-dependent, catalytic, beta	ENSG00000142875	D
PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	ENSG00000165059	D
PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	ENSG00000181929	D
PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	ENSG00000106617	U
PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	ENSG00000115592	D
PRKAR1B	protein kinase, cAMP-dependent, regulatory, type I, beta	ENSG00000188191	D
PRKAR2B	protein kinase, cAMP-dependent, regulatory, type II, beta	ENSG00000005249	D
PRKCB	protein kinase C, beta	ENSG00000166501	D
PRKCDBP	protein kinase C, delta binding protein	ENSG00000170955	U
PRKCG	protein kinase C, gamma	ENSG00000126583	D
PRKCH	protein kinase C, eta	ENSG00000027075	U
PRKCQ	protein kinase C, theta	ENSG00000065675	D
PRKCZ	protein kinase C, zeta	ENSG00000067606	U
PRKD2	protein kinase D2	ENSG00000105287	U
PRKG2	protein kinase, cGMP-dependent, type II	ENSG00000138669	D
	protein-kinase, interferon-inducible double stranded RNA dependent		
PRKRIR	inhibitor, repressor of (P58 repressor)	ENSG00000137492	U
PRKX	protein kinase, X-linked	ENSG00000183943	D

PRL	prolactin	ENSG00000172179	U
PRLH	prolactin releasing hormone	ENSG00000071677	D
PRLHR	prolactin releasing hormone receptor	ENSG00000119973	D
PRLR	prolactin receptor	ENSG00000113494	U
PRM3	protamine 3	ENSG00000178257	D
PRMT1	protein arginine methyltransferase 1	ENSG00000126457	U
PRMT2	protein arginine methyltransferase 2	ENSG00000160310	U
PRMT5	protein arginine methyltransferase 5	ENSG00000100462	U
PRMT7	protein arginine methyltransferase 7	ENSG00000132600	U
PRND	prion protein 2 (dublet)	ENSG00000171864	D
PRNT	prion protein (testis specific)	NA	D
PROC	protein C (inactivator of coagulation factors Va and VIIIa)	ENSG00000115718	D
PROCR	protein C receptor, endothelial	ENSG00000101000	U
PRODH2	proline dehydrogenase (oxidase) 2	ENSG00000250799	D
PROKR1	prokineticin receptor 1	ENSG00000169618	D
PROKR2	prokineticin receptor 2	ENSG00000101292	D
PROM1	prominin 1	ENSG00000007062	U
PROM2	prominin 2	ENSG00000155066	U
PROP1	PROP paired-like homeobox 1	ENSG00000175325	D
PROS1	protein S (alpha)	ENSG00000184500	U
PROSC	proline synthetase co-transcribed homolog (bacterial)	ENSG00000147471	U
PROSER1	proline and serine rich 1	ENSG00000120685	U
PROX1	prospero homeobox 1	ENSG00000117707	D
PRPF18	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	ENSG00000165630	U
PRPF19	PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae)	ENSG00000110107	U
PRPF3	PRP3 pre-mRNA processing factor 3 homolog (S. cerevisiae)	ENSG00000117360	U
PRPF31	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	ENSG00000105618	U
PRPF39	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	ENSG00000185246	D
PRPF4	PRP4 pre-mRNA processing factor 4 homolog (yeast)	ENSG00000136875	U
PRPH	peripherin	ENSG00000135406	D

PRPH2	peripherin 2 (retinal degeneration, slow)	ENSG00000112619	D
PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	ENSG00000229937	D
PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	ENSG00000161542	U
PRR14	proline rich 14	ENSG00000156858	U
PRR14L	proline rich 14-like	ENSG00000183530	D
PRR15	proline rich 15	ENSG00000176532	D
PRR18	proline rich 18	ENSG00000176381	D
PRR7	proline rich 7 (synaptic)	ENSG00000131188	D
PRRC1	proline-rich coiled-coil 1	ENSG00000164244	U
PRRC2A	proline-rich coiled-coil 2A	ENSG00000204469	U
PRRC2C	proline-rich coiled-coil 2C	ENSG00000117523	U
PRRG1	proline rich Gla (G-carboxyglutamic acid) 1	ENSG00000130962	U
PRRG3	proline rich Gla (G-carboxyglutamic acid) 3 (transmembrane)	ENSG00000130032	D
PRRX1	paired related homeobox 1	ENSG00000116132	D
PRSS1	protease, serine, 1 (trypsin 1)	ENSG00000204983	D
PRSS16	protease, serine, 16 (thymus)	ENSG00000112812	U
PRSS2	protease, serine, 2 (trypsin 2)	NA	D
PRSS21	protease, serine, 21 (testisin)	ENSG00000007038	D
PRSS23	protease, serine, 23	ENSG00000150687	U
PRSS27	protease, serine 27	ENSG00000172382	D
PRSS3	protease, serine, 3	ENSG00000010438	D
PRSS33	protease, serine, 33	ENSG00000103355	D
PRSS37	protease, serine, 37	ENSG00000165076	D
PRSS38	protease, serine, 38	ENSG00000185888	D
PRSS50	protease, serine, 50	ENSG00000206549	D
PRSS57	protease, serine, 57	ENSG00000185198	D
PRSS58	protease, serine, 58	ENSG00000258223	D
PRTG	protogenin	ENSG00000166450	D
PRTN3	proteinase 3	ENSG00000196415	D
PRUNE2	prune homolog 2 (Drosophila)	ENSG00000106772	D

PSD2	pleckstrin and Sec7 domain containing 2	ENSG00000146005	D
PSG8	pregnancy specific beta-1-glycoprotein 8	ENSG00000124467	U
PSKH2	protein serine kinase H2	ENSG00000147613	D
PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	ENSG00000256206,	I U
PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	ENSG00000106588,	I U
PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4	ENSG00000041357	U
PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	ENSG00000100902	U
PSMA8	proteasome (prosome, macropain) subunit, alpha type, 8	ENSG00000154611	D
PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	ENSG00000013275	U
PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	ENSG00000100519	U
PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1	ENSG00000173692	U
PSMD10	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10	ENSG00000101843	U
PSMD13	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13	ENSG00000185627	U
PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	ENSG00000115233	U
PSMD2	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	ENSG00000175166	U
PSMD3	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3	ENSG00000108344	U
PSMD4	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	ENSG00000159352	U
PSMD6	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6	ENSG00000163636	U
PSMD8	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8	ENSG00000099341	U
PSME1	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)	ENSG00000092010	U
	proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)		
PSME3		ENSG00000131467	U
PSME4	proteasome (prosome, macropain) activator subunit 4	ENSG00000068878	U
PSMF1	proteasome (prosome, macropain) inhibitor subunit 1 (PI31)	ENSG00000125818	U
PSMG1	proteasome (prosome, macropain) assembly chaperone 1	ENSG00000183527	U
PSORS1C1	psoriasis susceptibility 1 candidate 1	ENSG00000204540	D
PSORS1C2	psoriasis susceptibility 1 candidate 2	ENSG00000204538	D
PSPN	persephin	ENSG00000125650	D
PTCD3	pentatricopeptide repeat domain 3	ENSG00000132300	D
PTCH1	patched 1	ENSG00000185920	D

PTCHD1	patched domain containing 1	ENSG00000165186	D
PTDSS1	phosphatidylserine synthase 1	ENSG00000156471	U
PTDSS2	phosphatidylserine synthase 2	ENSG00000174915	U
PTEN	phosphatase and tensin homolog	ENSG00000171862	U
PTGDR2	prostaglandin D2 receptor 2	ENSG00000183134	D
PTGDS	prostaglandin D2 synthase 21kDa (brain)	ENSG00000107317	U
PTGER1	prostaglandin E receptor 1 (subtype EP1), 42kDa	ENSG00000160951	D
PTGER3	prostaglandin E receptor 3 (subtype EP3)	ENSG00000050628	D
PTGES	prostaglandin E synthase	ENSG00000148344	U
PTGES3	prostaglandin E synthase 3 (cytosolic)	ENSG00000110958	U
PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	ENSG00000160013	D
PTGR2	prostaglandin reductase 2	ENSG00000258653	D
PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	ENSG00000073756	D
PTH	parathyroid hormone	ENSG00000152266	D
PTH1R	parathyroid hormone 1 receptor	ENSG00000160801	U
PTH2	parathyroid hormone 2	ENSG00000142538	D
PTHLH	parathyroid hormone-like hormone	ENSG00000087494	D
PTK2	PTK2 protein tyrosine kinase 2	ENSG00000169398	U
PTMS	parathymosin	ENSG00000159335	U
PTN	pleiotrophin	ENSG00000105894	U
PTP4A2	protein tyrosine phosphatase type IVA, member 2	ENSG00000184007	U
PTPDC1	protein tyrosine phosphatase domain containing 1	ENSG00000158079	D
PTPLAD1	protein tyrosine phosphatase-like A domain containing 1	ENSG00000074696	U
PTPLAD2	protein tyrosine phosphatase-like A domain containing 2	ENSG00000188921	U
PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	ENSG00000206527	U
PTPN11	protein tyrosine phosphatase, non-receptor type 11	ENSG00000179295	U
PTPN12	protein tyrosine phosphatase, non-receptor type 12	ENSG00000127947	U

PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	ENSG00000163629	D
PTPN20B	protein tyrosine phosphatase, non-receptor type 20B	ENSG00000183675	D
PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	ENSG00000134242	D
PTPN3	protein tyrosine phosphatase, non-receptor type 3	ENSG00000070159	U
PTPN5	protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched)	ENSG00000110786	D
PTPN7	protein tyrosine phosphatase, non-receptor type 7	ENSG00000143851	D
PTPRC	protein tyrosine phosphatase, receptor type, C	ENSG00000081237	D
PTPRD	protein tyrosine phosphatase, receptor type, D	ENSG00000153707	D
PTPRF	protein tyrosine phosphatase, receptor type, F	ENSG00000142949	U
PTPRH	protein tyrosine phosphatase, receptor type, H	ENSG00000080031	D
PTPRM	protein tyrosine phosphatase, receptor type, M	ENSG00000173482	U
PTPRN	protein tyrosine phosphatase, receptor type, N	ENSG00000054356	D
PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	ENSG00000106278	D
PTS	6-pyruvoyltetrahydropterin synthase	ENSG00000150787	U
PTTG2	pituitary tumor-transforming 2	ENSG00000250254	D
PUM2	pumilio homolog 2 (Drosophila)	ENSG00000055917	U
PURA	purine-rich element binding protein A	ENSG00000185129	U
PURB	purine-rich element binding protein B	ENSG00000146676	U
PUS10	pseudouridylate synthase 10	ENSG00000162927	D
PVALB	parvalbumin	ENSG00000100362	D
PVRIG	poliovirus receptor related immunoglobulin domain containing	ENSG00000213413	D
PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	ENSG00000130202	U
PVRL4	poliovirus receptor-related 4	ENSG00000143217	U
PWP1	PWP1 homolog (S. cerevisiae)	ENSG00000136045	U
PWP2	PWP2 periodic tryptophan protein homolog (yeast)	ENSG00000241945	D
PXDC1	PX domain containing 1	ENSG00000168994	U
PXDNL	peroxidasin homolog (Drosophila)-like	ENSG00000147485	D
PXN	paxillin	ENSG00000089159	U
PXT1	peroxisomal, testis specific 1	ENSG00000179165	D

PYCR2	pyrroline-5-carboxylate reductase family, member 2	ENSG00000143811	U
PYCRL	pyrroline-5-carboxylate reductase-like	ENSG00000104524	D
PYDC1	PYD (pyrin domain) containing 1	ENSG00000169900	D
PYGB	phosphorylase, glycogen; brain	ENSG00000100994	U
PYGL	phosphorylase, glycogen, liver	ENSG00000100504	U
PYGM	phosphorylase, glycogen, muscle	ENSG00000068976	D
PYGO1	pygopus homolog 1 (Drosophila)	ENSG00000171016	D
PYHIN1	pyrin and HIN domain family, member 1	ENSG00000163564	D
PYY2	peptide YY, 2 (pseudogene)	NA	D
QPRT	quinolinate phosphoribosyltransferase	ENSG00000103485	U
QRFPR	pyroglutamylated RFamide peptide receptor	ENSG00000186867	D
QRICH2	glutamine rich 2	ENSG00000129646	D
QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	ENSG00000130348	D
QSER1	glutamine and serine rich 1	ENSG00000060749	D
QSOX1	quiescin Q6 sulfhydryl oxidase 1	ENSG00000116260	U
R3HDM4	R3H domain containing 4	ENSG00000198858	U
R3HDML	R3H domain containing-like	ENSG00000101074	D
RAB10	RAB10, member RAS oncogene family	ENSG00000084733	U
RAB11FIP2	RAB11 family interacting protein 2 (class I)	ENSG00000107560	U
RAB11FIP3	RAB11 family interacting protein 3 (class II)	ENSG00000090565	U
RAB11FIP5	RAB11 family interacting protein 5 (class I)	ENSG00000135631	U
RAB14	RAB14, member RAS oncogene family	ENSG00000119396	D
RAB15	RAB15, member RAS oncogene family	ENSG00000139998	U
RAB1A	RAB1A, member RAS oncogene family	ENSG00000138069	U
RAB1B	RAB1B, member RAS oncogene family	ENSG00000174903	U
RAB20	RAB20, member RAS oncogene family	ENSG00000139832	U
RAB21	RAB21, member RAS oncogene family	ENSG00000080371	U
RAB22A	RAB22A, member RAS oncogene family	ENSG00000124209	U
RAB25	RAB25, member RAS oncogene family	ENSG00000132698	U
RAB27B	RAB27B, member RAS oncogene family	ENSG00000041353	D

RAB2A	RAB2A, member RAS oncogene family	ENSG00000104388	U
RAB2B	RAB2B, member RAS oncogene family	ENSG00000129472	U
RAB33A	RAB33A, member RAS oncogene family	ENSG00000134594	D
RAB35	RAB35, member RAS oncogene family	ENSG00000111737	U
RAB37	RAB37, member RAS oncogene family	ENSG00000172794	D
RAB38	RAB38, member RAS oncogene family	ENSG00000123892	U
RAB39B	RAB39B, member RAS oncogene family	ENSG00000155961	D
RAB3A	RAB3A, member RAS oncogene family	ENSG00000105649	D
RAB3B	RAB3B, member RAS oncogene family	ENSG00000169213	U
RAB3GAP2	RAB3 GTPase activating protein subunit 2 (non-catalytic)	ENSG00000118873	U
RAB3IL1	RAB3A interacting protein (rabin3)-like 1	ENSG00000167994	U
RAB3IP	RAB3A interacting protein (rabin3)	ENSG00000127328	U
RAB4B	RAB4B, member RAS oncogene family	ENSG00000167578	U
RAB5C	RAB5C, member RAS oncogene family	ENSG00000108774	U
RAB9A	RAB9A, member RAS oncogene family	ENSG00000123595	U
RAB9B	RAB9B, member RAS oncogene family	ENSG00000123570	D
RABEP1	rabaptin, RAB GTPase binding effector protein 1	ENSG00000029725	U
RABEPK	Rab9 effector protein with kelch motifs	ENSG00000136933	U
RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	ENSG00000243335	U
RABGGTB	Rab geranylgeranyltransferase, beta subunit	ENSG00000137955	U
RABL5	RAB, member RAS oncogene family-like 5	ENSG00000128581	D
RABL6	RAB, member RAS oncogene family-like 6	ENSG00000196642	U
	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	ENSG00000128340	U
RAD18	RAD18 homolog (S. cerevisiae)	ENSG00000070950	D
RAD21	RAD21 homolog (S. pombe)	ENSG00000164754	U
RAD23B	RAD23 homolog B (S. cerevisiae)	ENSG00000119318	U
RAD51B	RAD51 homolog B (S. cerevisiae)	ENSG00000182185	D
RAD54B	RAD54 homolog B (S. cerevisiae)	ENSG00000197275	D
RAD54L2	RAD54-like 2 (S. cerevisiae)	ENSG00000164080	U

RAD9B	RAD9 homolog B (<i>S. pombe</i>)	ENSG00000151164	D
RAET1E	retinoic acid early transcript 1E	ENSG00000164520	D
RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	ENSG00000132155	U
RAG1	recombination activating gene 1	ENSG00000166349	D
RAG2	recombination activating gene 2	ENSG00000175097	D
RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	ENSG00000006451	U
RALBP1	ralA binding protein 1	ENSG00000017797	U
RALGAPB	Ral GTPase activating protein, beta subunit (non-catalytic)	ENSG00000170471	U
RALGDS	ral guanine nucleotide dissociation stimulator	ENSG00000160271	U
RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	ENSG00000116191	D
RALY	RNA binding protein, autoantigenic (hnRNP-associated with lethal yellow homolog (mouse))	ENSG00000125970	U
RALYL	RALY RNA binding protein-like	ENSG00000184672	D
RAMP2	receptor (G protein-coupled) activity modifying protein 2	ENSG00000131477	U
RAN	RAN, member RAS oncogene family	ENSG00000132341	U
RANBP1	RAN binding protein 1	ENSG00000099901	U
RANBP17	RAN binding protein 17	ENSG00000204764	D
RANBP3L	RAN binding protein 3-like	ENSG00000164188	D
RANBP9	RAN binding protein 9	ENSG00000010017	U
RANGAP1	Ran GTPase activating protein 1	ENSG00000100401	U
RANGRF	RAN guanine nucleotide release factor	ENSG00000108961	U
RAP1B	RAP1B, member of RAS oncogene family	ENSG00000127314	U
RAP1GAP2	RAP1 GTPase activating protein 2	ENSG00000132359	D
RAP2A	RAP2A, member of RAS oncogene family	ENSG00000125249	U
RAP2C	RAP2C, member of RAS oncogene family	ENSG00000123728	U
RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	ENSG00000107263	U
RAPGEF3	Rap guanine nucleotide exchange factor (GEF) 3	ENSG00000079337	U
RAPGEF4	Rap guanine nucleotide exchange factor (GEF) 4	ENSG00000091428	D
RAPGEF6	Rap guanine nucleotide exchange factor (GEF) 6	ENSG00000158987	U
RARG	retinoic acid receptor, gamma	ENSG00000172819	D

RARRES3	retinoic acid receptor responder (tazarotene induced) 3	ENSG00000133321	U
RARS2	arginyl-tRNA synthetase 2, mitochondrial	ENSG00000146282	U
RASA1	RAS p21 protein activator (GTPase activating protein) 1	ENSG00000145715	U
RASA2	RAS p21 protein activator 2	ENSG00000155903	D
RASA4	RAS p21 protein activator 4	ENSG00000105808	D
RASAL1	RAS protein activator like 1 (GAP1 like)	ENSG00000111344	D
RASD2	RASD family, member 2	ENSG00000100302	D
RASGEF1B	RasGEF domain family, member 1B	ENSG00000138670	D
RASGEF1C	RasGEF domain family, member 1C	ENSG00000146090	D
RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1	ENSG00000058335	D
RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	ENSG00000113319	D
RASGRP4	RAS guanyl releasing protein 4	ENSG00000171777	D
RASIP1	Ras interacting protein 1	ENSG00000105538	U
RASL10A	RAS-like, family 10, member A	ENSG00000100276	D
RASL11B	RAS-like, family 11, member B	ENSG00000128045	U
RASSF7	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7	ENSG00000099849	U
RASSF9	Ras association (RalGDS/AF-6) domain family (N-terminal) member 9	ENSG00000198774	D
RAVER1	ribonucleoprotein, PTB-binding 1	ENSG00000161847	U
RAX	retina and anterior neural fold homeobox	ENSG00000134438	D
RAX2	retina and anterior neural fold homeobox 2	ENSG00000173976	U
RB1CC1	RB1-inducible coiled-coil 1	ENSG00000023287	U
RBBP6	retinoblastoma binding protein 6	ENSG00000122257	U
RBBP7	retinoblastoma binding protein 7	ENSG00000102054	U
RBBP8	retinoblastoma binding protein 8	ENSG00000101773	D
RBCK1	RanBP-type and C3HC4-type zinc finger containing 1	ENSG00000125826	U
RBFOX1	RNA binding protein, fox-1 homolog (C. elegans) 1	ENSG00000078328	D
RBFOX2	RNA binding protein, fox-1 homolog (C. elegans) 2	ENSG00000100320	U
RBM10	RNA binding motif protein 10	ENSG00000182872	U
RBM11	RNA binding motif protein 11	ENSG00000185272	D
RBM14	RNA binding motif protein 14	ENSG00000239306	U

RBM15	RNA binding motif protein 15	ENSG00000162775	U
RBM17	RNA binding motif protein 17	ENSG00000134453	U
RBM19	RNA binding motif protein 19	ENSG00000122965	D
RBM24	RNA binding motif protein 24	ENSG00000112183	D
RBM25	RNA binding motif protein 25	ENSG00000119707	U
RBM33	RNA binding motif protein 33	ENSG00000184863	U
RBM39	RNA binding motif protein 39	ENSG00000131051	D
RBM42	RNA binding motif protein 42	ENSG00000126254	U
RBM43	RNA binding motif protein 43	ENSG00000184898	D
RBM47	RNA binding motif protein 47	ENSG00000163694	U
RBM4B	RNA binding motif protein 4B	ENSG00000173914	U
RBM6	RNA binding motif protein 6	ENSG00000004534	U
RBM8A	RNA binding motif protein 8A	ENSG00000131795	D
RBMS1	RNA binding motif, single stranded interacting protein 1	ENSG00000153250	U
RBMS2	RNA binding motif, single stranded interacting protein 2	ENSG00000076067	U
RBMX	RNA binding motif protein, X-linked	ENSG00000147274	U
RBMXL2	RNA binding motif protein, X-linked-like 2	ENSG00000170748	D
RBP1	retinol binding protein 1, cellular	ENSG00000114115	U
RBP2	retinol binding protein 2, cellular	ENSG00000114113	D
RBP5	retinol binding protein 5, cellular	ENSG00000139194	D
RBPJ	recombination signal binding protein for immunoglobulin kappa J region	ENSG00000168214	U
RBPM52	RNA binding protein with multiple splicing 2	ENSG00000166831	U
RC3H2	ring finger and CCCH-type domains 2	ENSG00000056586	U
RCAN1	regulator of calcineurin 1	ENSG00000159200	U
RCE1	RCE1 homolog, prenyl protein protease (<i>S. cerevisiae</i>)	ENSG00000173653	U
RCOR1	REST corepressor 1	ENSG00000089902	D
RCOR3	REST corepressor 3	ENSG00000117625	U
RCVRN	recoverin	ENSG00000109047	D
RDH10	retinol dehydrogenase 10 (all-trans)	ENSG00000121039	U
RDH11	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	ENSG00000072042	U

RDH12	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)	ENSG00000139988	D
RDH13	retinol dehydrogenase 13 (all-trans/9-cis)	ENSG00000160439	U
RDH8	retinol dehydrogenase 8 (all-trans)	ENSG00000080511	D
RDM1	RAD52 motif 1	ENSG00000187456	D
RDX	radixin	ENSG00000137710	U
REEP2	receptor accessory protein 2	ENSG00000132563	D
REEP4	receptor accessory protein 4	ENSG00000168476	U
REG1A	regenerating islet-derived 1 alpha	ENSG00000115386	D
REG1B	regenerating islet-derived 1 beta	ENSG00000172023	D
REG3G	regenerating islet-derived 3 gamma	ENSG00000143954	D
REG4	regenerating islet-derived family, member 4	ENSG00000134193	D
RELN	reelin	ENSG00000189056	D
RELT	RELT tumor necrosis factor receptor	ENSG00000054967	D
REM2	RAS (RAD and GEM)-like GTP binding 2	ENSG00000139890	D
REN	renin	ENSG00000143839	D
RER1	RER1 retention in endoplasmic reticulum 1 homolog (<i>S. cerevisiae</i>)	ENSG00000157916	U
RERE	arginine-glutamic acid dipeptide (RE) repeats	ENSG00000142599	U
REGG	RAS-like, estrogen-regulated, growth inhibitor	ENSG00000134533	U
RERGL	RERG/RAS-like	ENSG00000111404	D
RESP18	regulated endocrine-specific protein 18 homolog (rat)	ENSG00000182698	D
RET	ret proto-oncogene	ENSG00000165731	D
RETN	resistin	ENSG00000104918	D
RETNLB	resistin like beta	ENSG00000163515	D
REXO4	REX4, RNA exonuclease 4 homolog (<i>S. cerevisiae</i>)	ENSG00000148300	U
RFPL4B	ret finger protein-like 4B	ENSG00000251258	D
RFTN1	raftlin, lipid raft linker 1	ENSG00000131378	U
RFWD2	ring finger and WD repeat domain 2, E3 ubiquitin protein ligase	ENSG00000143207	U
RFX1	regulatory factor X, 1 (influences HLA class II expression)	ENSG00000132005	U
RFX2	regulatory factor X, 2 (influences HLA class II expression)	ENSG00000087903	D
RFX4	regulatory factor X, 4 (influences HLA class II expression)	ENSG00000111783	D

RFX5	regulatory factor X, 5 (influences HLA class II expression)	ENSG00000143390	U
RFX6	regulatory factor X, 6	ENSG00000185002	D
RFX7	regulatory factor X, 7	ENSG00000181827	D
RFXANK	regulatory factor X-associated ankyrin-containing protein	ENSG00000064490	U
RGL1	ral guanine nucleotide dissociation stimulator-like 1	ENSG00000143344	U
RGR	retinal G protein coupled receptor	ENSG00000148604	D
RGS17	regulator of G-protein signaling 17	ENSG00000091844	D
RGS2	regulator of G-protein signaling 2, 24kDa	ENSG00000116741	U
RGS20	regulator of G-protein signaling 20	ENSG00000147509	D
RGS22	regulator of G-protein signaling 22	ENSG00000132554	D
RGS3	regulator of G-protein signaling 3	ENSG00000138835	D
RGS7BP	regulator of G-protein signaling 7 binding protein	ENSG00000186479	D
RGS8	regulator of G-protein signaling 8	ENSG00000135824	D
RGS9	regulator of G-protein signaling 9	ENSG00000108370	D
RGS9BP	regulator of G protein signaling 9 binding protein	ENSG00000186326	D
RHAG	Rh-associated glycoprotein	ENSG00000112077	D
RHBDF2	rhomboid 5 homolog 2 (Drosophila)	ENSG00000129667	U
RHBDL2	rhomboid, veinlet-like 2 (Drosophila)	ENSG00000158315	D
RHBDL3	rhomboid, veinlet-like 3 (Drosophila)	ENSG00000141314	D
RHBG	Rh family, B glycoprotein (gene/pseudogene)	ENSG00000132677	D
RHCE	Rh blood group, CcEe antigens	ENSG00000188672	D
RHCG	Rh family, C glycoprotein	ENSG00000140519	D
RHEBL1	Ras homolog enriched in brain like 1	ENSG00000167550	D
RHOF	ras homolog family member F (in filopodia)	ENSG00000139725	D
RHOH	ras homolog family member H	ENSG00000168421	D
RHOQ	ras homolog family member Q	ENSG00000119729	U
RHOT2	ras homolog family member T2	ENSG00000140983	U
RHOXF1	Rhox homeobox family, member 1	ENSG00000101883	D
RHPN1	rhophilin, Rho GTPase binding protein 1	ENSG00000158106	D
RHPN2	rhophilin, Rho GTPase binding protein 2	ENSG00000131941	U

RIBC1	RIB43A domain with coiled-coils 1	ENSG00000158423	D
RIC3	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	ENSG00000166405	D
RIC8A	resistance to inhibitors of cholinesterase 8 homolog A (C. elegans)	ENSG00000177963	U
RICTOR	RPTOR independent companion of MTOR, complex 2	ENSG00000164327	U
RIMS1	regulating synaptic membrane exocytosis 1	ENSG00000079841	D
RIN2	Ras and Rab interactor 2	ENSG00000132669	U
RIOK3	RIO kinase 3 (yeast)	ENSG00000101782	U
RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	ENSG00000137275	U
RIPK2	receptor-interacting serine-threonine kinase 2	ENSG00000104312	U
RIT2	Ras-like without CAAX 2	ENSG00000152214	D
RLBP1	retinaldehyde binding protein 1	ENSG00000140522	D
RLIM	ring finger protein, LIM domain interacting	ENSG00000131263	D
RLN1	relaxin 1	ENSG00000107018	D
RLN2	relaxin 2	ENSG00000107014	D
RLN3	relaxin 3	ENSG00000171136	D
RLTPR	RGD motif, leucine rich repeats, tropomodulin domain and proline-rich containing	ENSG00000159753	D
RMI2	RMI2, RecQ mediated genome instability 2, homolog (S. cerevisiae)	ENSG00000175643	U
RNASE11	ribonuclease, RNase A family, 11 (non-active)	ENSG00000173464	D
RNASE3	ribonuclease, RNase A family, 3	ENSG00000169397	D
RNASE7	ribonuclease, RNase A family, 7	ENSG00000165799	D
RNASE8	ribonuclease, RNase A family, 8	ENSG00000173431	D
RNASEH1	ribonuclease H1	ENSG00000171865	U
RNASEH2C	ribonuclease H2, subunit C	ENSG00000172922	D
RND2	Rho family GTPase 2	ENSG00000108830	D
RND3	Rho family GTPase 3	ENSG00000115963	U
RNF10	ring finger protein 10	ENSG00000022840	U
RNF103	ring finger protein 103	ENSG00000239305	U
RNF11	ring finger protein 11	ENSG00000123091	U
RNF113A	ring finger protein 113A	ENSG00000125352	U

RNF113B	ring finger protein 113B	ENSG00000139797	D
RNF115	ring finger protein 115	ENSG00000121848	U
RNF126	ring finger protein 126	ENSG00000070423	U
RNF13	ring finger protein 13	ENSG000000082996	U
RNF130	ring finger protein 130	ENSG00000113269	U
RNF133	ring finger protein 133	ENSG00000188050	D
RNF139	ring finger protein 139	ENSG00000170881	D
RNF144B	ring finger protein 144B	ENSG00000137393	U
RNF145	ring finger protein 145	ENSG00000145860	U
RNF148	ring finger protein 148	ENSG00000235631	D
RNF151	ring finger protein 151	ENSG00000179580	D
RNF165	ring finger protein 165	ENSG00000141622	D
RNF167	ring finger protein 167	ENSG00000108523	U
RNF168	ring finger protein 168, E3 ubiquitin protein ligase	ENSG00000163961	D
RNF17	ring finger protein 17	ENSG00000132972	D
RNF170	ring finger protein 170	ENSG00000120925	U
RNF175	ring finger protein 175	ENSG00000145428	D
RNF186	ring finger protein 186	ENSG00000178828	D
RNF2	ring finger protein 2	ENSG00000121481	D
RNF20	ring finger protein 20, E3 ubiquitin protein ligase	ENSG00000155827	U
RNF212	ring finger protein 212	ENSG00000178222	D
RNF26	ring finger protein 26	ENSG00000173456	U
RNF31	ring finger protein 31	ENSG00000092098	U
RNF32	ring finger protein 32	ENSG00000105982	D
RNF38	ring finger protein 38	ENSG00000137075	U
RNF40	ring finger protein 40, E3 ubiquitin protein ligase	ENSG00000103549	U
RNF44	ring finger protein 44	ENSG00000146083	U
RNF7	ring finger protein 7	ENSG00000114125	U
RNGTT	RNA guanylyltransferase and 5'-phosphatase	ENSG00000111880	U
RNH1	ribonuclease/angiogenin inhibitor 1	ENSG00000023191	U

RNMT	RNA (guanine-7-) methyltransferase	ENSG00000101654	U
RNMTL1	RNA methyltransferase like 1	ENSG00000171861	U
RNPEP	arginyl aminopeptidase (aminopeptidase B)	ENSG00000176393	U
RNPS1	RNA binding protein S1, serine-rich domain	ENSG00000205937	U
ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	ENSG00000169855	D
ROCK2	Rho-associated, coiled-coil containing protein kinase 2	ENSG00000134318	U
ROPN1	rhophilin associated tail protein 1	ENSG00000065371	D
ROPN1L	rhophilin associated tail protein 1-like	ENSG00000145491	D
RORC	RAR-related orphan receptor C	ENSG00000143365	D
ROS1	c-ros oncogene 1 , receptor tyrosine kinase	ENSG00000047936	D
RP1	retinitis pigmentosa 1 (autosomal dominant)	ENSG00000104237	D
RP11-165H2	CHIA-like pseudogene	NA	D
RP1L1	retinitis pigmentosa 1-like 1	ENSG00000183638	D
RP2	retinitis pigmentosa 2 (X-linked recessive)	ENSG00000102218	U
RP9P	retinitis pigmentosa 9 pseudogene	NA	D
RPA1	replication protein A1, 70kDa	ENSG00000132383	U
RPA3	replication protein A3, 14kDa	ENSG00000106399	U
RPAIN	RPA interacting protein	ENSG00000129197	U
RPF2	ribosome production factor 2 homolog (S. cerevisiae)	ENSG00000197498	U
RPGRIP1L	RPGRIP1-like	ENSG00000103494	D
RPH3A	rabphilin 3A homolog (mouse)	ENSG00000089169	D
RPIA	ribose 5-phosphate isomerase A	ENSG00000153574	U
RPL10	ribosomal protein L10	ENSG00000147403	D
RPL10L	ribosomal protein L10-like	ENSG00000165496	D
RPL13	ribosomal protein L13	ENSG00000167526	U
RPL14	ribosomal protein L14	ENSG00000188846	U
RPL17	ribosomal protein L17	ENSG00000265681	U
RPL22	ribosomal protein L22	ENSG00000116251	U
RPL23A	ribosomal protein L23a	ENSG00000198242	U
RPL26L1	ribosomal protein L26-like 1	ENSG00000037241	U

RPL27A	ribosomal protein L27a	ENSG00000166441	U
RPL34	ribosomal protein L34	ENSG00000109475	U
RPL36	ribosomal protein L36	ENSG00000130255	U
RPL37A	ribosomal protein L37a	ENSG00000197756	U
RPL3L	ribosomal protein L3-like	ENSG00000140986	D
RPL41	ribosomal protein L41	ENSG00000229117	U
RPL7	ribosomal protein L7	ENSG00000147604	U
RPL7L1	ribosomal protein L7-like 1	ENSG00000146223	U
RPRD1B	regulation of nuclear pre-mRNA domain containing 1B	ENSG00000101413	D
RPRML	reprimo-like	ENSG00000179673	D
RPS15	ribosomal protein S15	ENSG00000115268	U
RPS21	ribosomal protein S21	ENSG00000171858	U
RPS23	ribosomal protein S23	ENSG00000186468	U
RPS4Y1	ribosomal protein S4, Y-linked 1	NA	U
RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptide 4	ENSG00000162302	U
RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	ENSG00000072133	D
RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	ENSG00000108443	U
RPSA	ribosomal protein SA	ENSG00000168028	D
RPUSD4	RNA pseudouridylate synthase domain containing 4	ENSG00000165526	U
RRAGC	Ras-related GTP binding C	ENSG00000116954	U
RRAGD	Ras-related GTP binding D	ENSG00000025039	U
RRAS2	related RAS viral (r-ras) oncogene homolog 2	ENSG00000133818	U
RRBP1	ribosome binding protein 1 homolog 180kDa (dog)	ENSG00000125844	U
RREB1	ras responsive element binding protein 1	ENSG00000124782	D
RRNAD1	ribosomal RNA adenine dimethylase domain containing 1	ENSG00000143303	U
RRP1	ribosomal RNA processing 1 homolog (S. cerevisiae)	ENSG00000160214	D
RRP36	ribosomal RNA processing 36 homolog (S. cerevisiae)	ENSG00000124541	U
RRP8	ribosomal RNA processing 8, methyltransferase, homolog (yeast)	ENSG00000132275	U
RS1	retinoschisin 1	ENSG00000102104	D
RSBN1	round spermatid basic protein 1	ENSG00000081019	U

RSL1D1	ribosomal L1 domain containing 1	ENSG00000171490	U
RSL24D1	ribosomal L24 domain containing 1	ENSG00000137876	U
RSPH1	radial spoke head 1 homolog (Chlamydomonas)	ENSG00000160188	D
RSPH10B	radial spoke head 10 homolog B (Chlamydomonas)	ENSG00000155026	D
RSPH4A	radial spoke head 4 homolog A (Chlamydomonas)	ENSG00000111834	D
RSPH6A	radial spoke head 6 homolog A (Chlamydomonas)	ENSG00000104941	D
RSPO2	R-spondin 2	ENSG00000147655	D
RSPO3	R-spondin 3	ENSG00000146374	U
RSRC2	arginine/serine-rich coiled-coil 2	ENSG00000111011	U
RTBDN	retbindin	ENSG00000132026	D
RTCA	RNA 3'-terminal phosphate cyclase	ENSG00000137996	U
RTDR1	rhabdoid tumor deletion region gene 1	ENSG00000100218	D
RTN4	reticulon 4	ENSG00000115310	U
RTP1	receptor (chemosensory) transporter protein 1	ENSG00000175077	D
RTP3	receptor (chemosensory) transporter protein 3	ENSG00000163825	D
RUNDC1	RUN domain containing 1	ENSG00000198863	U
RUNX2	runt-related transcription factor 2	ENSG00000124813	D
RUSC1	RUN and SH3 domain containing 1	ENSG00000160753	U
RUVBL2	RuvB-like 2 (E. coli)	ENSG00000183207	U
RWDD4	RWD domain containing 4	ENSG00000182552	U
RXFP1	relaxin/insulin-like family peptide receptor 1	ENSG00000171509	D
RXFP2	relaxin/insulin-like family peptide receptor 2	ENSG00000133105	D
RXFP3	relaxin/insulin-like family peptide receptor 3	ENSG00000182631	D
RXFP4	relaxin/insulin-like family peptide receptor 4	ENSG00000173080	D
RXRA	retinoid X receptor, alpha	ENSG00000186350	U
RXRB	retinoid X receptor, beta	ENSG00000204231	U
RXRG	retinoid X receptor, gamma	ENSG00000143171	D
RYK	receptor-like tyrosine kinase	ENSG00000163785	U
RYR3	ryanodine receptor 3	ENSG00000198838	D
S100A16	S100 calcium binding protein A16	ENSG00000188643	U

S100A5	S100 calcium binding protein A5	ENSG00000196420	D
S100A7	S100 calcium binding protein A7	ENSG00000143556	D
S100A7A	S100 calcium binding protein A7A	ENSG00000184330	D
S100A9	S100 calcium binding protein A9	ENSG00000163220	U
S100B	S100 calcium binding protein B	ENSG00000160307	D
S100G	S100 calcium binding protein G	ENSG00000169906	D
S100Z	S100 calcium binding protein Z	ENSG00000171643	D
S1PR1	sphingosine-1-phosphate receptor 1	ENSG00000170989	U
S1PR3	sphingosine-1-phosphate receptor 3	ENSG00000213694	U
S1PR5	sphingosine-1-phosphate receptor 5	ENSG00000180739	D
SAA1	serum amyloid A1	ENSG00000173432	D
SAA4	serum amyloid A4, constitutive	ENSG00000148965	D
SAAL1	serum amyloid A-like 1	ENSG00000166788	U
SAC3D1	SAC3 domain containing 1	ENSG00000168061	U
SACS	spastic ataxia of Charlevoix-Saguenay (sacsin)	ENSG00000151835	D
SAFB	scaffold attachment factor B	ENSG00000160633	U
SAFB2	scaffold attachment factor B2	ENSG00000130254	U
SAG	S-antigen; retina and pineal gland (arrestin)	ENSG00000130561	D
SALL1	sal-like 1 (Drosophila)	ENSG00000103449	D
SALL3	sal-like 3 (Drosophila)	ENSG00000256463	D
SALL4	sal-like 4 (Drosophila)	ENSG00000101115	D
SAMD3	sterile alpha motif domain containing 3	ENSG00000164483	D
SAMD7	sterile alpha motif domain containing 7	ENSG00000187033	D
SAMD8	sterile alpha motif domain containing 8	ENSG00000156671	D
SAMM50	sorting and assembly machinery component 50 homolog (S. cerevisiae)	ENSG00000100347	U
SAP130	Sin3A-associated protein, 130kDa	ENSG00000136715	U
SAP30L	SAP30-like	ENSG00000164576	U
SAR1A	SAR1 homolog A (S. cerevisiae)	ENSG00000079332	U
SAR1B	SAR1 homolog B (S. cerevisiae)	ENSG00000152700	U
SARM1	sterile alpha and TIR motif containing 1	ENSG00000004139	D

SARNP	SAP domain containing ribonucleoprotein	ENSG00000205323	U
SARS2	seryl-tRNA synthetase 2, mitochondrial	ENSG00000104835	U
SART1	squamous cell carcinoma antigen recognized by T cells	ENSG00000175467	D
SASH1	SAM and SH3 domain containing 1	ENSG00000111961	U
SATB1	SATB homeobox 1	ENSG00000182568	D
SBDS	Shwachman-Bodian-Diamond syndrome	ENSG00000126524	U
SBF1	SET binding factor 1	ENSG00000100241	U
SBK1	SH3-binding domain kinase 1	ENSG00000188322	D
SCAF4	SR-related CTD-associated factor 4	ENSG00000156304	U
SCAI	suppressor of cancer cell invasion	ENSG00000173611	D
SCAMP2	secretory carrier membrane protein 2	ENSG00000140497	U
SCAMP3	secretory carrier membrane protein 3	ENSG00000116521	U
SCAND1	SCAN domain containing 1	NA	U
SCAND2	SCAN domain containing 2 pseudogene	NA	D
SCAPER	S-phase cyclin A-associated protein in the ER	ENSG00000140386	U
SCCPDH	saccharopine dehydrogenase (putative)	ENSG00000143653	U
SCD	stearoyl-CoA desaturase (delta-9-desaturase)	ENSG00000099194	U
SCD5	stearoyl-CoA desaturase 5	ENSG00000145284	D
SCEL	sciellin	ENSG00000136155	D
SCG2	secretogranin II	ENSG00000171951	D
SCG3	secretogranin III	ENSG00000104112	D
SCG5	secretogranin V (7B2 protein)	ENSG00000166922	D
SCGB1C1	secretoglobin, family 1C, member 1	NA	D
SCGB1D1	secretoglobin, family 1D, member 1	ENSG00000168515	D
SCGB2A1	secretoglobin, family 2A, member 1	ENSG00000124939	D
SCGB2A2	secretoglobin, family 2A, member 2	ENSG00000110484	D
SCGB3A1	secretoglobin, family 3A, member 1	ENSG00000161055	D
SCGB3A2	secretoglobin, family 3A, member 2	ENSG00000164265	D
SCHIP1	schwannomin interacting protein 1	ENSG00000250588	U
SCIN	scinderin	ENSG00000006747	U

SCML4	sex comb on midleg-like 4 (Drosophila)	ENSG00000146285	D
SCN10A	sodium channel, voltage-gated, type X, alpha subunit	ENSG00000185313	D
SCN11A	sodium channel, voltage-gated, type XI, alpha subunit	ENSG00000168356	D
SCN1A	sodium channel, voltage-gated, type I, alpha subunit	ENSG00000144285	D
SCN2A	sodium channel, voltage-gated, type II, alpha subunit	ENSG00000136531	D
SCN2B	sodium channel, voltage-gated, type II, beta subunit	ENSG00000149575	D
SCN3A	sodium channel, voltage-gated, type III, alpha subunit	ENSG00000153253	D
SCN3B	sodium channel, voltage-gated, type III, beta subunit	ENSG00000166257	D
SCN4A	sodium channel, voltage-gated, type IV, alpha subunit	ENSG00000007314	D
SCN4B	sodium channel, voltage-gated, type IV, beta subunit	ENSG00000177098	D
SCN5A	sodium channel, voltage-gated, type V, alpha subunit	ENSG00000183873	D
SCN8A	sodium channel, voltage gated, type VIII, alpha subunit	ENSG00000196876	D
SCNN1B	sodium channel, non-voltage-gated 1, beta subunit	ENSG00000168447	U
SCNN1D	sodium channel, non-voltage-gated 1, delta subunit	ENSG00000162572	D
SCNN1G	sodium channel, non-voltage-gated 1, gamma subunit	ENSG00000166828	D
SCO1	SCO cytochrome oxidase deficient homolog 1 (yeast)	ENSG00000133028	U
SCOC	short coiled-coil protein	ENSG00000153130	U
SCR1	stimulator of chondrogenesis 1	ENSG00000164106	D
SCRN3	secernin 3	ENSG00000144306	D
SCRT1	scratch homolog 1, zinc finger protein (Drosophila)	ENSG00000170616	D
SCT	secretin	ENSG00000070031	D
SCTR	secretin receptor	ENSG00000080293	D
SCUBE1	signal peptide, CUB domain, EGF-like 1	ENSG00000159307	D
SCUBE3	signal peptide, CUB domain, EGF-like 3	ENSG00000146197	D
SCYL1	SCY1-like 1 (S. cerevisiae)	ENSG00000142186	U
SCYL2	SCY1-like 2 (S. cerevisiae)	ENSG00000136021	U
SDAD1	SDA1 domain containing 1	ENSG00000198301	U
SDC1	syndecan 1	ENSG00000115884	U
SDC4	syndecan 4	ENSG00000124145	U
SDE2	SDE2 telomere maintenance homolog (S. pombe)	ENSG00000143751	U

SDF2	stromal cell-derived factor 2	ENSG00000132581	U
SDF2L1	stromal cell-derived factor 2-like 1	ENSG00000128228	U
SDF4	stromal cell derived factor 4	ENSG00000078808	U
SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	ENSG00000073578	U
SDHAF2	succinate dehydrogenase complex assembly factor 2	ENSG00000167985	I U
SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	ENSG00000143252	U
SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	ENSG00000204370	U
SDPR	serum deprivation response	ENSG00000168497	U
SDR16C5	short chain dehydrogenase/reductase family 16C, member 5	ENSG00000170786	D
SDR42E1	short chain dehydrogenase/reductase family 42E, member 1	ENSG00000184860	D
SDSL	serine dehydratase-like	ENSG00000139410	U
SEC11C	SEC11 homolog C (<i>S. cerevisiae</i>)	ENSG00000166562	U
SEC13	SEC13 homolog (<i>S. cerevisiae</i>)	ENSG00000157020	U
SEC14L2	SEC14-like 2 (<i>S. cerevisiae</i>)	ENSG00000100003	D
SEC14L3	SEC14-like 3 (<i>S. cerevisiae</i>)	ENSG00000100012	D
SEC14L4	SEC14-like 4 (<i>S. cerevisiae</i>)	ENSG00000133488	D
SEC22A	SEC22 vesicle trafficking protein homolog A (<i>S. cerevisiae</i>)	ENSG00000121542	U
	SEC22 vesicle trafficking protein homolog B (<i>S. cerevisiae</i>)		
SEC22B	(gene/pseudogene)	NA	U
SEC23B	Sec23 homolog B (<i>S. cerevisiae</i>)	ENSG00000101310	U
SEC24C	SEC24 family, member C (<i>S. cerevisiae</i>)	ENSG00000176986	U
SEC24D	SEC24 family, member D (<i>S. cerevisiae</i>)	ENSG00000150961	U
SEC31A	SEC31 homolog A (<i>S. cerevisiae</i>)	ENSG00000138674	U
SEC61A1	Sec61 alpha 1 subunit (<i>S. cerevisiae</i>)	ENSG00000058262	U
SEC61B	Sec61 beta subunit	ENSG00000106803	U
SEC63	SEC63 homolog (<i>S. cerevisiae</i>)	ENSG00000025796	U
SECISBP2	SECIS binding protein 2	ENSG00000187742	U
SECISBP2L	SECIS binding protein 2-like	ENSG00000138593	U

SEL1L3	sel-1 suppressor of lin-12-like 3 (C. elegans)	ENSG00000091490	U
SELE	selectin E	ENSG00000007908	D
SELK	selenoprotein K	ENSG00000113811	D
SELM	selenoprotein M	ENSG00000198832	U
SELT	selenoprotein T	ENSG00000198843	U
SELV	selenoprotein V	ENSG00000186838	D
SEMA3D	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D	ENSG00000153993	D
SEMA3F	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	ENSG00000001617	U
SEMA5B	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B	ENSG00000082684	D
SEMA7A	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)	ENSG00000138623	U
SEMG1	semenogelin I	ENSG00000124233	D
SEMG2	semenogelin II	ENSG00000124157	D
SEPHS2	selenophosphate synthetase 2	ENSG00000179918	U
SEPN1	selenoprotein N, 1	ENSG00000162430	U
SEPT1	septin 1	ENSG00000180096	D
SEPT11	septin 11	ENSG00000138758	U
SEPT14	septin 14	ENSG00000154997	D
SEPT2	septin 2	ENSG00000168385	U
SEPT3	septin 3	ENSG00000100167	U
SEPT5	septin 5	ENSG00000184702	D
SERBP1	SERPINE1 mRNA binding protein 1	ENSG00000142864	U
SERHL2	serine hydrolase-like 2	ENSG00000183569	D
SERINC1	serine incorporator 1	ENSG00000111897	U
SERINC2	serine incorporator 2	ENSG00000168528	U
SERINC3	serine incorporator 3	ENSG00000132824	U
SERP1	stress-associated endoplasmic reticulum protein 1	ENSG00000120742	U

SERPINA1	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	ENSG00000197249	D
SERPINA12	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12	ENSG00000165953	D
SERPINA3	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	ENSG00000196136	U
SERPINA4	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4	ENSG00000100665	D
SERPINA5	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	ENSG00000188488	D
SERPINA6	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	ENSG00000170099	D
SERPINA7	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	ENSG00000123561	D
SERPINB1	serpin peptidase inhibitor, clade B (ovalbumin), member 1	ENSG00000021355	U
SERPINB12	serpin peptidase inhibitor, clade B (ovalbumin), member 12	ENSG00000166634	D
SERPINB4	serpin peptidase inhibitor, clade B (ovalbumin), member 4	ENSG00000206073	D
SERPINC1	serpin peptidase inhibitor, clade C (antithrombin), member 1	ENSG00000117601	D
SERPINF1	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	ENSG00000132386	U
SERPINF2	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	ENSG00000167711	D
SERPING1	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	ENSG00000149131	U
SERPINI2	serpin peptidase inhibitor, clade I (pancpin), member 2	ENSG00000114204	D
SERTAD1	SERTA domain containing 1	ENSG00000197019	U
SERTAD2	SERTA domain containing 2	ENSG00000179833	U
SERTAD3	SERTA domain containing 3	ENSG00000167565	U
SERTAD4	SERTA domain containing 4	ENSG00000082497	U
SESN1	sestrin 1	ENSG00000080546	U
SESTD1	SEC14 and spectrin domains 1	ENSG00000187231	D

SETD1A	SET domain containing 1A	ENSG00000099381	U
SETD3	SET domain containing 3	ENSG00000183576	U
SETD7	SET domain containing (lysine methyltransferase) 7	ENSG00000145391	D
SEZ6	seizure related 6 homolog (mouse)	ENSG00000063015	D
SEZ6L	seizure related 6 homolog (mouse)-like	ENSG00000100095	D
SF3A2	splicing factor 3a, subunit 2, 66kDa	ENSG00000104897	U
SF3A3	splicing factor 3a, subunit 3, 60kDa	ENSG00000183431	U
SF3B14	splicing factor 3B, 14 kDa subunit	ENSG00000115128	U
SF3B3	splicing factor 3b, subunit 3, 130kDa	ENSG00000189091	U
SF3B5	splicing factor 3b, subunit 5, 10kDa	ENSG00000169976	U
SFI1	Sfi1 homolog, spindle assembly associated (yeast)	ENSG00000198089	D
SFPQ	splicing factor proline/glutamine-rich	ENSG00000116560	U
SFRP1	secreted frizzled-related protein 1	ENSG00000104332	U
SFRP2	secreted frizzled-related protein 2	ENSG00000145423	D
SFRP4	secreted frizzled-related protein 4	ENSG00000106483	D
SFSWAP	splicing factor, suppressor of white-apricot homolog (Drosophila)	ENSG00000061936	U
SFTA2	surfactant associated 2	ENSG00000196260	D
SFTPB	surfactant protein B	ENSG00000168878	D
SFXN1	sideroflexin 1	ENSG00000164466	U
SFXN3	sideroflexin 3	ENSG00000107819	U
SGCD	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)	ENSG00000170624	D
SGCG	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein)	ENSG00000102683	D
SGK196	protein kinase-like protein SgK196	ENSG00000185900	D
SGK2	serum/glucocorticoid regulated kinase 2	ENSG00000101049	D
SGOL1	shugoshin-like 1 (S. pombe)	ENSG00000129810	D
SGOL2	shugoshin-like 2 (S. pombe)	ENSG00000163535	D
SGPP2	sphingosine-1-phosphate phosphatase 2	ENSG00000163082	D
SGSH	N-sulfoglucosamine sulfohydrolase	ENSG00000181523	U
SGSM2	small G protein signaling modulator 2	ENSG00000141258	U
SGTA	small glutamine-rich tetratricopeptide repeat (TPR)-containing, alpha	ENSG00000104969	U

SGTB	small glutamine-rich tetratricopeptide repeat (TPR)-containing, beta	ENSG00000197860	D
SH2B3	SH2B adaptor protein 3	ENSG00000111252	U
SH2D1B	SH2 domain containing 1B	ENSG00000198574	D
SH2D2A	SH2 domain containing 2A	ENSG00000027869	D
SH2D4B	SH2 domain containing 4B	ENSG00000178217	D
SH2D6	SH2 domain containing 6	ENSG00000152292	D
SH3BGRL2	SH3 domain binding glutamic acid-rich protein like 2	ENSG00000198478	U
SH3BGRL3	SH3 domain binding glutamic acid-rich protein like 3	ENSG00000142669	U
SH3BP4	SH3-domain binding protein 4	ENSG00000130147	U
SH3D19	SH3 domain containing 19	ENSG00000109686	U
SH3D21	SH3 domain containing 21	ENSG00000214193	D
SH3GL1	SH3-domain GRB2-like 1	ENSG00000141985	U
SH3GL3	SH3-domain GRB2-like 3	ENSG00000140600	D
SH3GLB2	SH3-domain GRB2-like endophilin B2	ENSG00000148341	U
SH3KBP1	SH3-domain kinase binding protein 1	ENSG00000147010	U
SH3RF2	SH3 domain containing ring finger 2	ENSG00000156463	D
SHANK1	SH3 and multiple ankyrin repeat domains 1	ENSG00000161681	D
SHARPIN	SHANK-associated RH domain interactor	ENSG00000179526	U
SHC1	SHC (Src homology 2 domain containing) transforming protein 1	ENSG00000160691	U
SHC3	SHC (Src homology 2 domain containing) transforming protein 3	ENSG00000148082	D
SHC4	SHC (Src homology 2 domain containing) family, member 4	ENSG00000185634	D
SHCBP1	SHC SH2-domain binding protein 1	ENSG00000171241	D
SHD	Src homology 2 domain containing transforming protein D	ENSG00000105251	D
SHF	Src homology 2 domain containing F	ENSG00000138606	D
SHFM1	split hand/foot malformation (ectrodactyly) type 1	ENSG00000127922	U
SHH	sonic hedgehog	ENSG00000164690	D
SHISA2	shisa homolog 2 (Xenopus laevis)	ENSG00000180730	D
SHISA6	shisa homolog 6 (Xenopus laevis)	ENSG00000188803	D
SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	ENSG00000182199	U
SHOX	short stature homeobox	ENSG00000185960	D

SI	sucrase-isomaltase (alpha-glucosidase)	ENSG00000090402	D
SIAH1	siah E3 ubiquitin protein ligase 1	ENSG00000196470	U
SIAH2	siah E3 ubiquitin protein ligase 2	ENSG00000181788	U
SIDT1	SID1 transmembrane family, member 1	ENSG00000072858	D
SIGLEC10	sialic acid binding Ig-like lectin 10	ENSG00000142512	D
SIGLEC12	sialic acid binding Ig-like lectin 12 (gene/pseudogene)	ENSG00000254521	D
SIGLEC15	sialic acid binding Ig-like lectin 15	ENSG00000197046	D
SIGLEC5	sialic acid binding Ig-like lectin 5	ENSG00000105501	D
SIGLEC6	sialic acid binding Ig-like lectin 6	ENSG00000105492	U
SIGLEC8	sialic acid binding Ig-like lectin 8	ENSG00000105366	D
SIGLEC9	sialic acid binding Ig-like lectin 9	ENSG00000129450	D
SIGLECL1	SIGLEC family like 1	ENSG00000179213	D
SIK3	SIK family kinase 3	ENSG00000160584	U
SIKE1	suppressor of IKBKE 1	ENSG00000052723	D
SIM1	single-minded homolog 1 (Drosophila)	ENSG00000112246	D
SIM2	single-minded homolog 2 (Drosophila)	ENSG00000159263	D
SIN3A	SIN3 transcription regulator homolog A (yeast)	ENSG00000169375	U
SIN3B	SIN3 transcription regulator homolog B (yeast)	ENSG00000127511	U
SIPA1L1	signal-induced proliferation-associated 1 like 1	ENSG00000197555	U
SIRPA	signal-regulatory protein alpha	ENSG00000198053	U
SIRPG	signal-regulatory protein gamma	ENSG00000089012	D
SIT1	signaling threshold regulating transmembrane adaptor 1	ENSG00000137078	D
SIVA1	SIVA1, apoptosis-inducing factor	ENSG00000184990	U
SIX1	SIX homeobox 1	ENSG00000126778	D
SIX2	SIX homeobox 2	ENSG00000170577	D
SIX3	SIX homeobox 3	ENSG00000138083	D
SIX5	SIX homeobox 5	ENSG00000177045	U
SKAP1	src kinase associated phosphoprotein 1	ENSG00000141293	D
SKIDA1	SKI/DACH domain containing 1	ENSG00000180592	U
SKIV2L	superkiller viralicidic activity 2-like (S. cerevisiae)	ENSG00000204351	U

SKIV2L2	superkiller viralicidic activity 2-like 2 (<i>S. cerevisiae</i>)	ENSG00000039123	U
SKP1	S-phase kinase-associated protein 1	ENSG00000113558	U
SKP2	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase	ENSG00000145604	U
SLA2	Src-like-adaptor 2	ENSG00000101082	D
SLAMF1	signaling lymphocytic activation molecule family member 1	ENSG00000117090	D
SLAMF6	SLAM family member 6	ENSG00000162739	D
SLAMF7	SLAM family member 7	ENSG00000026751	D
SLAMF9	SLAM family member 9	ENSG00000162723	D
SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	ENSG00000100652	D
SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	ENSG00000125255	D
SLC10A3	solute carrier family 10 (sodium/bile acid cotransporter family), member 3	ENSG00000126903	U
SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	ENSG00000145248	D
SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	ENSG00000110911	U
SLC12A1	solute carrier family 12 (sodium/potassium/chloride transporters), member 1	ENSG00000074803	D
SLC12A3	solute carrier family 12 (sodium/chloride transporters), member 3	ENSG00000070915	D
SLC12A5	solute carrier family 12 (potassium/chloride transporter), member 5	ENSG00000124140	D
SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	ENSG00000146828	U
SLC13A1	solute carrier family 13 (sodium/sulfate symporters), member 1	ENSG00000081800	D
SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	ENSG00000007216	D
SLC13A4	solute carrier family 13 (sodium/sulfate symporters), member 4	ENSG00000164707	U
SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5	ENSG00000141485	D
SLC14A2	solute carrier family 14 (urea transporter), member 2	ENSG00000132874	D

SLC15A1	solute carrier family 15 (oligopeptide transporter), member 1	ENSG00000088386	D
SLC15A3	solute carrier family 15, member 3	ENSG00000110446	U
SLC16A1	solute carrier family 16, member 1 (monocarboxylic acid transporter 1)	ENSG00000155380	D
SLC16A10	solute carrier family 16, member 10 (aromatic amino acid transporter)	ENSG00000112394	U
SLC16A11	solute carrier family 16, member 11 (monocarboxylic acid transporter 11)	ENSG00000174326	D
SLC16A13	solute carrier family 16, member 13 (monocarboxylic acid transporter 13)	ENSG00000174327	D
SLC16A14	solute carrier family 16, member 14 (monocarboxylic acid transporter 14)	ENSG00000163053	D
SLC16A5	solute carrier family 16, member 5 (monocarboxylic acid transporter 6)	ENSG00000170190	U
SLC16A6	solute carrier family 16, member 6 (monocarboxylic acid transporter 7)	ENSG00000108932	D
SLC16A7	solute carrier family 16, member 7 (monocarboxylic acid transporter 2)	ENSG00000118596	D
SLC16A8	solute carrier family 16, member 8 (monocarboxylic acid transporter 3)	ENSG00000100156	D
SLC16A9	solute carrier family 16, member 9 (monocarboxylic acid transporter 9)	ENSG00000165449	D
SLC17A1	solute carrier family 17 (sodium phosphate), member 1	ENSG00000124568	D
SLC17A2	solute carrier family 17 (sodium phosphate), member 2	ENSG00000112337	D
SLC17A3	solute carrier family 17 (sodium phosphate), member 3	ENSG00000124564	D
SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	ENSG00000179520	D
SLC17A9	solute carrier family 17, member 9	ENSG00000101194	D
SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	ENSG00000036565	D
SLC18B1	solute carrier family 18, subfamily B, member 1	ENSG00000146409	U
SLC19A1	solute carrier family 19 (folate transporter), member 1	ENSG00000173638	U
SLC19A3	solute carrier family 19, member 3	ENSG00000135917	U
SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	ENSG00000106688	D
SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	ENSG00000079215	U
SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	ENSG00000105281	U

SLC1A6	solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6	ENSG00000105143	D
SLC1A7	solute carrier family 1 (glutamate transporter), member 7	ENSG00000162383	D
SLC22A1	solute carrier family 22 (organic cation transporter), member 1	ENSG00000175003	D
SLC22A10	solute carrier family 22, member 10	ENSG00000184999	D
SLC22A12	solute carrier family 22 (organic anion/urate transporter), member 12	ENSG00000197891	D
SLC22A14	solute carrier family 22, member 14	ENSG00000144671	D
SLC22A2	solute carrier family 22 (organic cation transporter), member 2	ENSG00000112499	D
SLC22A23	solute carrier family 22, member 23	ENSG00000137266	U
SLC22A5	solute carrier family 22 (organic cation/carnitine transporter), member 5	ENSG00000197375	U
SLC22A6	solute carrier family 22 (organic anion transporter), member 6	ENSG00000197901	D
SLC22A7	solute carrier family 22 (organic anion transporter), member 7	ENSG00000137204	D
SLC22A9	solute carrier family 22 (organic anion transporter), member 9	ENSG00000149742	D
SLC23A1	solute carrier family 23 (nucleobase transporters), member 1	ENSG00000170482	D
SLC24A2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	ENSG00000155886	D
SLC24A4	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4	ENSG00000140090	D
SLC24A6	solute carrier family 24 (sodium/lithium/calcium exchanger), member 6	ENSG00000089060	U
SLC25A1	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1	ENSG00000100075	U
SLC25A11	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11	ENSG00000108528	U
SLC25A18	solute carrier family 25 (glutamate carrier), member 18	ENSG00000182902	D
SLC25A2	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2	ENSG00000120329	D
SLC25A21	solute carrier family 25 (mitochondrial oxoadipate carrier), member 21	ENSG00000183032	D
SLC25A27	solute carrier family 25, member 27	ENSG00000153291	D
SLC25A28	solute carrier family 25 (mitochondrial iron transporter), member 28	ENSG00000155287	U

SLC25A3	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	ENSG00000075415	U
SLC25A30	solute carrier family 25, member 30	ENSG00000174032	D
SLC25A32	solute carrier family 25 (mitochondrial folate carrier) , member 32	ENSG00000164933	D
SLC25A35	solute carrier family 25, member 35	ENSG00000125434	U
SLC25A37	solute carrier family 25 (mitochondrial iron transporter), member 37	ENSG00000147454	U
SLC25A38	solute carrier family 25, member 38	ENSG00000144659	U
SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	ENSG00000151729	U
SLC25A40	solute carrier family 25, member 40	ENSG00000075303	D
SLC25A41	solute carrier family 25, member 41	ENSG00000181240	D
SLC25A43	solute carrier family 25, member 43	ENSG00000077713	D
SLC25A44	solute carrier family 25, member 44	ENSG00000160785	U
SLC25A48	solute carrier family 25, member 48	ENSG00000145832	D
SLC26A1	solute carrier family 26 (sulfate transporter), member 1	ENSG00000145217	D
SLC26A2	solute carrier family 26 (sulfate transporter), member 2	ENSG00000155850	U
SLC26A6	solute carrier family 26, member 6	ENSG00000225697	U
SLC26A7	solute carrier family 26, member 7	ENSG00000147606	D
SLC26A8	solute carrier family 26, member 8	ENSG00000112053	D
SLC27A2	solute carrier family 27 (fatty acid transporter), member 2	ENSG00000140284	U
SLC27A3	solute carrier family 27 (fatty acid transporter), member 3	ENSG00000143554	U
SLC27A4	solute carrier family 27 (fatty acid transporter), member 4	ENSG00000167114	D
SLC28A1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	ENSG00000156222	D
SLC28A2	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	ENSG00000137860	D
SLC28A3	solute carrier family 28 (sodium-coupled nucleoside transporter), member 3	ENSG00000197506	D
SLC29A1	solute carrier family 29 (nucleoside transporters), member 1	ENSG00000112759	U
SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	ENSG00000198246	U

SLC2A13	solute carrier family 2 (facilitated glucose transporter), member 13	ENSG00000151229	D
SLC2A4	solute carrier family 2 (facilitated glucose transporter), member 4	ENSG00000181856	D
SLC2A8	solute carrier family 2 (facilitated glucose transporter), member 8	ENSG00000136856	U
SLC30A10	solute carrier family 30, member 10	ENSG00000196660	D
SLC30A4	solute carrier family 30 (zinc transporter), member 4	ENSG00000104154	D
SLC30A7	solute carrier family 30 (zinc transporter), member 7	ENSG00000162695	U
SLC30A8	solute carrier family 30 (zinc transporter), member 8	ENSG00000164756	D
SLC30A9	solute carrier family 30 (zinc transporter), member 9	ENSG00000014824	U
SLC31A1	solute carrier family 31 (copper transporters), member 1	ENSG00000136868	U
SLC34A1	solute carrier family 34 (sodium phosphate), member 1	ENSG00000131183	D
SLC34A2	solute carrier family 34 (sodium phosphate), member 2	ENSG00000157765	D
SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	ENSG00000164414	U
SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	ENSG00000102100	U
SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	ENSG00000117620	U
SLC35B2	solute carrier family 35, member B2	ENSG00000157593	U
SLC35B3	solute carrier family 35, member B3	ENSG00000124786	U
SLC35C1	solute carrier family 35, member C1	ENSG00000181830	U
SLC35D3	solute carrier family 35, member D3	ENSG00000182747	D
SLC35E1	solute carrier family 35, member E1	ENSG00000127526	U
SLC35E3	solute carrier family 35, member E3	ENSG00000175782	U
SLC35E4	solute carrier family 35, member E4	ENSG00000100036	D
SLC35F1	solute carrier family 35, member F1	ENSG00000196376	D
SLC35F3	solute carrier family 35, member F3	ENSG00000183780	D
SLC35G5	solute carrier family 35, member G5	ENSG00000177710	D
SLC36A2	solute carrier family 36 (proton/amino acid symporter), member 2	ENSG00000186335	D
SLC37A1	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	ENSG00000160190	U
SLC37A4	solute carrier family 37 (glucose-6-phosphate transporter), member 4	NA	U
SLC38A3	solute carrier family 38, member 3	NA	D
SLC38A4	solute carrier family 38, member 4	ENSG00000139209	D

SLC38A9	solute carrier family 38, member 9	ENSG00000177058	U
SLC39A5	solute carrier family 39 (metal ion transporter), member 5	ENSG00000139540	D
SLC39A6	solute carrier family 39 (zinc transporter), member 6	ENSG00000141424	U
SLC39A7	solute carrier family 39 (zinc transporter), member 7	ENSG00000112473	U
SLC39A8	solute carrier family 39 (zinc transporter), member 8	ENSG00000138821	U
SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	ENSG00000138449	U
SLC41A2	solute carrier family 41, member 2	ENSG00000136052	U
SLC44A5	solute carrier family 44, member 5	ENSG00000137968	D
SLC45A2	solute carrier family 45, member 2	ENSG00000164175	D
SLC45A3	solute carrier family 45, member 3	ENSG00000158715	D
SLC47A1	solute carrier family 47, member 1	ENSG00000142494	D
SLC47A2	solute carrier family 47, member 2	ENSG00000180638	D
SLC4A10	solute carrier family 4, sodium bicarbonate transporter, member 10	ENSG00000144290	D
SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	ENSG00000164889	U
SLC4A3	solute carrier family 4, anion exchanger, member 3	ENSG00000114923	D
SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	ENSG00000080493	D
SLC4A8	solute carrier family 4, sodium bicarbonate cotransporter, member 8	ENSG00000050438	D
SLC50A1	solute carrier family 50 (sugar transporter), member 1	ENSG00000169241	U
SLC51A	solute carrier family 51, alpha subunit	ENSG00000163959	D
SLC52A1	solute carrier family 52, riboflavin transporter, member 1	ENSG00000132517	U
SLC52A2	solute carrier family 52, riboflavin transporter, member 2	ENSG00000185803	U
SLC5A1	solute carrier family 5 (sodium/glucose cotransporter), member 1	ENSG00000100170	D
SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10	ENSG00000154025	D
SLC5A11	solute carrier family 5 (sodium/glucose cotransporter), member 11	ENSG00000158865	D
SLC5A12	solute carrier family 5 (sodium/glucose cotransporter), member 12	ENSG00000148942	D
SLC5A2	solute carrier family 5 (sodium/glucose cotransporter), member 2	ENSG00000140675	D
SLC5A5	solute carrier family 5 (sodium iodide symporter), member 5	ENSG00000105641	D
SLC5A7	solute carrier family 5 (choline transporter), member 7	ENSG00000115665	D
SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	ENSG00000157103	D

SLC6A10P	solute carrier family 6 (neurotransmitter transporter, creatine), member 10, pseudogene	NA	U
SLC6A11	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	ENSG00000132164	D
SLC6A13	solute carrier family 6 (neurotransmitter transporter, GABA), member 13	ENSG00000010379	D
SLC6A14	solute carrier family 6 (amino acid transporter), member 14	ENSG000000087916	D
SLC6A17	solute carrier family 6, member 17	ENSG00000197106	D
SLC6A18	solute carrier family 6, member 18	ENSG00000164363	D
SLC6A20	solute carrier family 6 (proline IMINO transporter), member 20	ENSG00000163817	D
SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	ENSG00000108576	U
SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	ENSG00000011083	D
SLC7A1	solute carrier family 7 (cationic amino acid transporter, γ^+ system), member 1	ENSG00000139514	U
SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc-system), member 11	ENSG00000151012	D
SLC7A13	solute carrier family 7 (anionic amino acid transporter), member 13	ENSG00000164893	D
SLC7A2	solute carrier family 7 (cationic amino acid transporter, γ^+ system), member 2	ENSG00000003989	U
SLC7A4	solute carrier family 7 (orphan transporter), member 4	ENSG00000099960	U
SLC7A7	solute carrier family 7 (amino acid transporter light chain, γ^+ L system), member 7	ENSG00000155465	U
SLC7A8	solute carrier family 7 (amino acid transporter light chain, L system), member 8	ENSG00000092068	U
SLC7A9	solute carrier family 7 (glycoprotein-associated amino acid transporter light chain, bo,+ system), member 9	ENSG00000021488	D
SLC8A2	solute carrier family 8 (sodium/calcium exchanger), member 2	ENSG00000118160	D
SLC8A3	solute carrier family 8 (sodium/calcium exchanger), member 3	ENSG00000100678	D

SLC9A2	solute carrier family 9, subfamily A (NHE2, cation proton antiporter 2), member 2	ENSG00000115616	D
SLC9A3	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3	ENSG00000066230	D
SLC9A3R1	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1	ENSG00000109062	U
SLC9A7	solute carrier family 9, subfamily A (NHE7, cation proton antiporter 7), member 7	ENSG00000065923	D
SLC9B2	solute carrier family 9, subfamily B (NHA2, cation proton antiporter 2), member 2	ENSG00000164038	D
SLC9C1	solute carrier family 9, subfamily C (Na ⁺ -transporting carboxylic acid decarboxylase), member 1	ENSG00000172139	D
SLCO1A2	solute carrier organic anion transporter family, member 1A2	ENSG00000084453	D
SLCO1B1	solute carrier organic anion transporter family, member 1B1	ENSG00000134538	D
SLCO1B3	solute carrier organic anion transporter family, member 1B3	ENSG00000111700	D
SLCO2B1	solute carrier organic anion transporter family, member 2B1	ENSG00000137491	U
SLCO3A1	solute carrier organic anion transporter family, member 3A1	ENSG00000176463	D
SLCO4A1	solute carrier organic anion transporter family, member 4A1	ENSG00000101187	U
SLCO5A1	solute carrier organic anion transporter family, member 5A1	ENSG00000137571	D
SLFN13	schlafen family member 13	ENSG00000154760	D
SLFNL1	schlafen-like 1	ENSG00000171790	D
SLITRK1	SLIT and NTRK-like family, member 1	ENSG00000178235	D
SLITRK2	SLIT and NTRK-like family, member 2	ENSG00000185985	D
SLITRK3	SLIT and NTRK-like family, member 3	ENSG00000121871	D
SLMAP	sarcolemma associated protein	ENSG00000163681	U
SLURP1	secreted LY6/PLAUR domain containing 1	ENSG00000126233	D
SMAD6	SMAD family member 6	ENSG00000137834	U
SMAD7	SMAD family member 7	ENSG00000101665	U
SMAGP	small cell adhesion glycoprotein	ENSG00000170545	U

SMARCA2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2	ENSG00000080503	U
SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	ENSG00000153147	U
SMARCB1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	ENSG00000099956	U
SMARCC1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	ENSG00000173473	U
SMARCD2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2	ENSG00000108604	U
SMARCE1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	ENSG00000073584	U
SMC1A	structural maintenance of chromosomes 1A	ENSG00000072501	D
SMC3	structural maintenance of chromosomes 3	ENSG00000108055	U
SMC5	structural maintenance of chromosomes 5	ENSG00000198887	D
SMCR8	Smith-Magenis syndrome chromosome region, candidate 8	ENSG00000176994	D
SMEK2	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	ENSG00000138041	U
SMG1	smg-1 homolog, phosphatidylinositol 3-kinase-related kinase (C. elegans)	ENSG00000157106	U
SMN2	survival of motor neuron 2, centromeric	ENSG00000205571	D
SMOX	spermine oxidase	ENSG00000088826	D
SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal	ENSG00000166311	U
SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	ENSG00000103056	D
SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A	ENSG00000172594	U
SMPDL3B	sphingomyelin phosphodiesterase, acid-like 3B	ENSG00000130768	D
SMR3B	submaxillary gland androgen regulated protein 3B	ENSG00000171201	D
SMTNL2	smoothelin-like 2	ENSG00000188176	D
SMUG1	single-strand-selective monofunctional uracil-DNA glycosylase 1	ENSG00000123415	U
SMURF2	SMAD specific E3 ubiquitin protein ligase 2	ENSG00000108854	D

SNAI1	snail homolog 1 (Drosophila)	ENSG00000124216	U
SNAP23	synaptosomal-associated protein, 23kDa	ENSG00000092531	U
SNAP25	synaptosomal-associated protein, 25kDa	ENSG00000132639	D
SNAP91	synaptosomal-associated protein, 91kDa homolog (mouse)	ENSG00000065609	D
SNAPC1	small nuclear RNA activating complex, polypeptide 1, 43kDa	ENSG00000023608	D
SNAPC4	small nuclear RNA activating complex, polypeptide 4, 190kDa	ENSG00000165684	U
SNCA	synuclein, alpha (non A4 component of amyloid precursor)	ENSG00000145335	U
SNCB	synuclein, beta	ENSG00000074317	D
SNF8	SNF8, ESCRT-II complex subunit, homolog (S. cerevisiae)	ENSG00000159210	U
SNPH	syntaphilin	ENSG00000101298	D
SNRK	SNF related kinase	ENSG00000163788	U
SNRNP40	small nuclear ribonucleoprotein 40kDa (U5)	ENSG00000060688	U
SNRNP70	small nuclear ribonucleoprotein 70kDa (U1)	ENSG00000104852	U
SNRPA	small nuclear ribonucleoprotein polypeptide A	ENSG00000077312	U
SNRPA1	small nuclear ribonucleoprotein polypeptide A'	ENSG00000131876	U
SNRPB	small nuclear ribonucleoprotein polypeptides B and B1	ENSG00000125835	U
SNRPB2	small nuclear ribonucleoprotein polypeptide B	ENSG00000125870	U
SNRPC	small nuclear ribonucleoprotein polypeptide C	ENSG00000124562	U
SNRPD2	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa	ENSG00000125743	U
SNRPE	small nuclear ribonucleoprotein polypeptide E	ENSG00000182004	D
SNRPF	small nuclear ribonucleoprotein polypeptide F	ENSG00000139343	U
SNTG1	syntrophin, gamma 1	ENSG00000147481	D
SNTG2	syntrophin, gamma 2	ENSG00000172554	D
SNUPN	snurportin 1	ENSG00000169371	U
SNURF	SNRPN upstream reading frame	ENSG00000214265	D
SNW1	SNW domain containing 1	ENSG00000100603	U
SNX10	sorting nexin 10	ENSG00000086300	U
SNX19	sorting nexin 19	ENSG00000120451	U
SNX2	sorting nexin 2	ENSG00000205302	U
SNX20	sorting nexin 20	ENSG00000167208	D

SNX22	sorting nexin 22	ENSG00000157734	D
SNX24	sorting nexin 24	ENSG00000064652	U
SNX27	sorting nexin family member 27	ENSG00000143376	U
SNX3	sorting nexin 3	ENSG00000112335	U
SNX4	sorting nexin 4	ENSG00000114520	U
SNX5	sorting nexin 5	ENSG00000089006	U
SNX6	sorting nexin 6	ENSG00000129515	U
SNX8	sorting nexin 8	ENSG00000106266	U
SNX9	sorting nexin 9	ENSG00000130340	D
SOAT1	sterol O-acyltransferase 1	ENSG00000057252	D
SOAT2	sterol O-acyltransferase 2	ENSG00000167780	D
SOD3	superoxide dismutase 3, extracellular	ENSG00000109610	U
SOGA2	SOGA family member 2	ENSG00000168502	D
SOHLH1	spermatogenesis and oogenesis specific basic helix-loop-helix 1	ENSG00000165643	D
SORCS1	sortilin-related VPS10 domain containing receptor 1	ENSG00000108018	D
SORCS2	sortilin-related VPS10 domain containing receptor 2	ENSG00000184985	D
SORCS3	sortilin-related VPS10 domain containing receptor 3	ENSG00000156395	D
SORT1	sortilin 1	ENSG00000134243	U
SOSTDC1	sclerostin domain containing 1	ENSG00000171243	D
SOWAHA	soondowah ankyrin repeat domain family member A	ENSG00000198944	D
SOX1	SRY (sex determining region Y)-box 1	ENSG00000182968	D
SOX10	SRY (sex determining region Y)-box 10	ENSG00000100146	D
SOX11	SRY (sex determining region Y)-box 11	ENSG00000176887	D
SOX12	SRY (sex determining region Y)-box 12	ENSG00000177732	D
SOX13	SRY (sex determining region Y)-box 13	ENSG00000143842	U
SOX14	SRY (sex determining region Y)-box 14	ENSG00000168875	D
SOX21	SRY (sex determining region Y)-box 21	ENSG00000125285	D
SOX3	SRY (sex determining region Y)-box 3	ENSG00000134595	D
SOX5	SRY (sex determining region Y)-box 5	ENSG00000134532	D

SOX6	SRY (sex determining region Y)-box 6	ENSG00000110693	D
SOX7	SRY (sex determining region Y)-box 7	ENSG00000171056	U
SP1	Sp1 transcription factor	ENSG00000185591	U
SP2	Sp2 transcription factor	ENSG00000167182	U
SP8	Sp8 transcription factor	ENSG00000164651	D
SPACA1	sperm acrosome associated 1	ENSG00000118434	D
SPACA3	sperm acrosome associated 3	ENSG00000141316	D
SPACA4	sperm acrosome associated 4	ENSG00000177202	D
SPACA5	sperm acrosome associated 5	ENSG00000171489	D
SPACA7	sperm acrosome associated 7	ENSG00000153498	D
SPAG1	sperm associated antigen 1	ENSG00000104450	D
SPAG17	sperm associated antigen 17	ENSG00000155761	D
SPAG7	sperm associated antigen 7	ENSG00000091640	U
SPAG8	sperm associated antigen 8	ENSG00000137098	D
SPAM1	sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)	ENSG00000106304	D
SPANXN3	SPANX family, member N3	ENSG00000189252	D
SPATA12	spermatogenesis associated 12	ENSG00000186451	D
SPATA16	spermatogenesis associated 16	ENSG00000144962	D
SPATA18	spermatogenesis associated 18	ENSG00000163071	D
SPATA19	spermatogenesis associated 19	ENSG00000166118	D
SPATA3	spermatogenesis associated 3	ENSG00000173699	D
SPATA5	spermatogenesis associated 5	ENSG00000145375	D
SPATA8	spermatogenesis associated 8	ENSG00000185594	D
SPATA9	spermatogenesis associated 9	ENSG00000145757	D
SPATS2L	spermatogenesis associated, serine-rich 2-like	ENSG00000196141	U
SPC25	SPC25, NDC80 kinetochore complex component, homolog (<i>S. cerevisiae</i>)	ENSG00000152253	D
SPDEF	SAM pointed domain containing ets transcription factor	ENSG00000124664	D
SPDYA	speedy homolog A (<i>Xenopus laevis</i>)	ENSG00000163806	D
SPECC1	sperm antigen with calponin homology and coiled-coil domains 1	ENSG00000128487	D

SPECC1L	sperm antigen with calponin homology and coiled-coil domains 1-like	ENSG00000100014	U
SPEF1	sperm flagellar 1	ENSG00000101222	D
SPEF2	sperm flagellar 2	ENSG00000152582	D
SPEM1	spermatid maturation 1	ENSG00000181323	D
SPEN	spen homolog, transcriptional regulator (Drosophila)	ENSG00000065526	U
SPG11	spastic paraplegia 11 (autosomal recessive)	ENSG00000104133	U
SPG21	spastic paraplegia 21 (autosomal recessive, Mast syndrome)	ENSG00000090487	U
SPHAR	S-phase response (cyclin related)	ENSG00000213029	D
SPHK1	sphingosine kinase 1	ENSG00000176170	D
SPHK2	sphingosine kinase 2	ENSG00000063176	U
SPHKAP	SPHK1 interactor, AKAP domain containing	ENSG00000153820	D
SPIB	Spi-B transcription factor (Spi-1/PU.1 related)	ENSG00000142539	D
SPIC	Spi-C transcription factor (Spi-1/PU.1 related)	ENSG00000166211	D
SPIN1	spindlin 1	ENSG00000106723	U
SPIN2B	spindlin family, member 2B	ENSG00000186787	D
SPINK2	serine peptidase inhibitor, Kazal type 2 (acrosin-trypsin inhibitor)	ENSG00000128040	D
SPINT1	serine peptidase inhibitor, Kunitz type 1	ENSG00000166145	U
SPNS1	spinster homolog 1 (Drosophila)	ENSG00000169682	U
SPNS3	spinster homolog 3 (Drosophila)	ENSG00000182557	D
SPO11	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	ENSG00000054796	D
SPOCD1	SPOC domain containing 1	ENSG00000134668	D
SPP2	secreted phosphoprotein 2, 24kDa	ENSG00000072080	D
SPPL2C	signal peptide peptidase like 2C	ENSG00000185294	D
SPRED1	sprouty-related, EVH1 domain containing 1	ENSG00000166068	U
SPRR1B	small proline-rich protein 1B	ENSG00000169469	D
SPRR2D	small proline-rich protein 2D	ENSG00000163216	D
SPRR2E	small proline-rich protein 2E	ENSG00000203785	D
SPRR3	small proline-rich protein 3	ENSG00000163209	D
SPRY1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	ENSG00000164056	U
SPRY2	sprouty homolog 2 (Drosophila)	ENSG00000136158	U

SPRY3	sprouty homolog 3 (Drosophila)	ENSG00000168939	D
SPRYD3	SPRY domain containing 3	ENSG00000167778	U
SPSB3	splA/ryanodine receptor domain and SOCS box containing 3	ENSG00000162032	U
SPTB	spectrin, beta, erythrocytic	ENSG00000070182	D
SPTBN4	spectrin, beta, non-erythrocytic 4	ENSG00000160460	D
SPTSSA	serine palmitoyltransferase, small subunit A	ENSG00000165389	U
SRCIN1	SRC kinase signaling inhibitor 1	ENSG00000017373	D
SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	ENSG00000145545	D
SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	NA	D
SRD5A3	steroid 5 alpha-reductase 3	ENSG00000128039	D
SREBF1	sterol regulatory element binding transcription factor 1	ENSG00000072310	U
SREBF2	sterol regulatory element binding transcription factor 2	ENSG00000198911	U
SREK1IP1	SREK1-interacting protein 1	ENSG00000153006	D
SRF	serum response factor (c-fos serum response element-binding transcription factor)	ENSG00000112658	U
SRGAP3	SLIT-ROBO Rho GTPase activating protein 3	ENSG00000196220	D
SRM	spermidine synthase	ENSG00000116649	U
SRP19	signal recognition particle 19kDa	ENSG00000153037	U
SRP54	signal recognition particle 54kDa	ENSG00000100883	U
SRP68	signal recognition particle 68kDa	ENSG00000167881	U
SRP72	signal recognition particle 72kDa	ENSG00000174780	U
SRPK1	SRSF protein kinase 1	ENSG00000096063	U
SRPR	signal recognition particle receptor (docking protein)	ENSG00000182934	U
SRPRB	signal recognition particle receptor, B subunit	ENSG00000144867	U
SRPX	sushi-repeat containing protein, X-linked	ENSG00000101955	U
SRRM4	serine/arginine repetitive matrix 4	ENSG00000139767	D
SRRT	serrate RNA effector molecule homolog (Arabidopsis)	ENSG00000087087	U
SRSF12	serine/arginine-rich splicing factor 12	ENSG00000154548	D

SRSF3	serine/arginine-rich splicing factor 3	ENSG00000112081	U
SRSF7	serine/arginine-rich splicing factor 7	ENSG00000115875	U
SRSF8	serine/arginine-rich splicing factor 8	NA	U
SRY	sex determining region Y	NA	D
SS18L2	synovial sarcoma translocation gene on chromosome 18-like 2	ENSG00000008324	U
SSB	Sjogren syndrome antigen B (autoantigen La)	ENSG00000138385	U
SSFA2	sperm specific antigen 2	ENSG00000138434	U
SSH3	slingshot homolog 3 (Drosophila)	ENSG00000172830	U
SSNA1	Sjogren syndrome nuclear autoantigen 1	ENSG00000176101	U
SSR1	signal sequence receptor, alpha	ENSG00000124783	U
SSR2	signal sequence receptor, beta (translocon-associated protein beta)	ENSG00000163479	U
SST	somatostatin	ENSG00000157005	D
SSTR1	somatostatin receptor 1	ENSG00000139874	D
SSTR3	somatostatin receptor 3	ENSG00000183473	D
SSTR4	somatostatin receptor 4	ENSG00000132671	D
SSTR5	somatostatin receptor 5	ENSG00000162009	D
SSX2IP	synovial sarcoma, X breakpoint 2 interacting protein	ENSG00000117155	D
SSX3	synovial sarcoma, X breakpoint 3	ENSG00000165584	D
SSX5	synovial sarcoma, X breakpoint 5	ENSG00000165583	D
ST13	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	ENSG00000100380	U
ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	ENSG00000008513	U
ST3GAL5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	ENSG00000115525	U
ST3GAL6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	ENSG000000064225	U
ST7	suppression of tumorigenicity 7	ENSG00000004866	U
ST8SIA1	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1	ENSG00000111728	D
ST8SIA2	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 2	ENSG00000140557	D
ST8SIA5	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 5	ENSG00000101638	D
STAB1	stabilin 1	ENSG00000010327	U
STAC	SH3 and cysteine rich domain	ENSG00000144681	D

STAC2	SH3 and cysteine rich domain 2	ENSG00000141750	D
STAC3	SH3 and cysteine rich domain 3	ENSG00000185482	D
STAG2	stromal antigen 2	ENSG00000101972	U
STAM	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	ENSG00000136738	U
STAP1	signal transducing adaptor family member 1	ENSG00000035720	D
STAR	steroidogenic acute regulatory protein	ENSG00000147465	D
STARD3	StAR-related lipid transfer (START) domain containing 3	ENSG00000131748	U
STARD4	StAR-related lipid transfer (START) domain containing 4	ENSG00000164211	D
STARD7	StAR-related lipid transfer (START) domain containing 7	ENSG00000084090	U
STARD8	StAR-related lipid transfer (START) domain containing 8	ENSG00000130052	U
STAT1	signal transducer and activator of transcription 1, 91kDa	ENSG00000115415	U
STAT2	signal transducer and activator of transcription 2, 113kDa	ENSG00000170581	U
STAT5A	signal transducer and activator of transcription 5A	ENSG00000126561	U
STAT6	signal transducer and activator of transcription 6, interleukin-4 induced	ENSG00000166888	U
STATH	statherin	ENSG00000126549	D
STAU1	staufen, RNA binding protein, homolog 1 (Drosophila)	ENSG00000124214	U
STBD1	starch binding domain 1	ENSG00000118804	U
STC1	stanniocalcin 1	ENSG00000159167	U
STC2	stanniocalcin 2	ENSG00000113739	U
STEAP1	six transmembrane epithelial antigen of the prostate 1	ENSG00000164647	D
STEAP2	STEAP family member 2, metalloredutase	ENSG00000157214	D
STEAP4	STEAP family member 4	ENSG00000127954	U
STIM1	stromal interaction molecule 1	ENSG00000167323	U
STIP1	stress-induced-phosphoprotein 1	ENSG00000168439	U
STK10	serine/threonine kinase 10	ENSG00000072786	U
STK19	serine/threonine kinase 19	ENSG00000204344	U
STK24	serine/threonine kinase 24	ENSG00000102572	U
STK25	serine/threonine kinase 25	ENSG00000115694	U
STK31	serine/threonine kinase 31	ENSG00000196335	D
STK32A	serine/threonine kinase 32A	ENSG00000169302	D

STK32C	serine/threonine kinase 32C	ENSG00000165752	D
STK33	serine/threonine kinase 33	ENSG00000130413	D
STK35	serine/threonine kinase 35	ENSG00000125834	U
STK38	serine/threonine kinase 38	ENSG00000112079	U
STK4	serine/threonine kinase 4	ENSG00000101109	U
STMN2	stathmin-like 2	ENSG00000104435	D
STMN3	stathmin-like 3	ENSG00000197457	U
STMN4	stathmin-like 4	ENSG00000015592	D
STOML3	stomatin (EPB72)-like 3	ENSG00000133115	D
STON2	stonin 2	ENSG00000140022	D
STOX1	storkhead box 1	ENSG00000165730	D
STRA13	stimulated by retinoic acid 13 homolog (mouse)	ENSG00000169689	U
STRA6	stimulated by retinoic acid gene 6 homolog (mouse)	ENSG00000137868	U
STRADB	STE20-related kinase adaptor beta	ENSG00000082146	U
STRC	stereocilin	ENSG00000242866	D
STRN3	striatin, calmodulin binding protein 3	ENSG00000196792	U
STS	steroid sulfatase (microsomal), isozyme S	ENSG00000101846	U
	STIP1 homology and U-box containing protein 1, E3 ubiquitin protein		
STUB1	ligase	ENSG00000103266	U
STX10	syntaxin 10	ENSG00000104915	U
STX11	syntaxin 11	ENSG00000135604	U
STX12	syntaxin 12	ENSG00000117758	U
STX1B	syntaxin 1B	ENSG00000099365	D
STX3	syntaxin 3	ENSG00000166900	U
STX5	syntaxin 5	ENSG00000162236	U
STX8	syntaxin 8	ENSG00000170310	U
STXBP2	syntaxin binding protein 2	ENSG00000076944	U
STXBP3	syntaxin binding protein 3	ENSG00000116266	U
STYK1	serine/threonine/tyrosine kinase 1	ENSG00000060140	D
STYX	serine/threonine/tyrosine interacting protein	ENSG00000198252	D

STYXL1	serine/threonine/tyrosine interacting-like 1	ENSG00000127952	U
SUB1	SUB1 homolog (S. cerevisiae)	ENSG00000113387	U
SUCLG1	succinate-CoA ligase, alpha subunit	ENSG00000163541	U
SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit	ENSG00000172340	U
SUGT1	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	ENSG00000165416	U
SULT1A2	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2	ENSG00000197165	D
SULT1B1	sulfotransferase family, cytosolic, 1B, member 1	ENSG00000173597	D
SULT1C2	sulfotransferase family, cytosolic, 1C, member 2	ENSG00000198203	D
SULT1E1	sulfotransferase family 1E, estrogen-preferring, member 1	ENSG00000109193	D
SULT4A1	sulfotransferase family 4A, member 1	ENSG00000130540	D
SUMF1	sulfatase modifying factor 1	ENSG00000144455	U
SUMF2	sulfatase modifying factor 2	ENSG00000129103	U
SUN1	Sad1 and UNC84 domain containing 1	ENSG00000164828	U
SUN2	Sad1 and UNC84 domain containing 2	ENSG00000100242	U
SUN3	Sad1 and UNC84 domain containing 3	ENSG00000164744	D
SUN5	Sad1 and UNC84 domain containing 5	ENSG00000167098	D
SUPT16H	suppressor of Ty 16 homolog (S. cerevisiae)	ENSG00000092201	U
SUPT4H1	suppressor of Ty 4 homolog 1 (S. cerevisiae)	ENSG00000213246	U
SUPT5H	suppressor of Ty 5 homolog (S. cerevisiae)	ENSG00000196235	U
SUPT6H	suppressor of Ty 6 homolog (S. cerevisiae)	ENSG00000109111	U
SURF1	surfeit 1	ENSG00000148290	U
SUSD1	sushi domain containing 1	ENSG00000106868	U
SUSD4	sushi domain containing 4	ENSG00000143502	D
SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	ENSG00000101945	U
SUV420H2	suppressor of variegation 4-20 homolog 2 (Drosophila)	ENSG00000133247	U
SV2A	synaptic vesicle glycoprotein 2A	ENSG00000159164	D
SV2C	synaptic vesicle glycoprotein 2C	ENSG00000122012	D
SVOP	SV2 related protein homolog (rat)	ENSG00000166111	D
SWAP70	SWAP switching B-cell complex 70kDa subunit	ENSG00000133789	U
SYCE1	synaptonemal complex central element protein 1	ENSG00000171772	D

SYCP1	synaptonemal complex protein 1	ENSG00000198765	D
SYCP2	synaptonemal complex protein 2	ENSG00000196074	D
SYCP2L	synaptonemal complex protein 2-like	ENSG00000153157	D
SYCP3	synaptonemal complex protein 3	ENSG00000139351	D
SYF2	SYF2 homolog, RNA splicing factor (<i>S. cerevisiae</i>)	ENSG00000117614	U
SYMPK	symplekin	ENSG00000125755	U
SYN1	synapsin I	ENSG00000008056	D
SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	ENSG00000135316	U
SYNE1	spectrin repeat containing, nuclear envelope 1	ENSG00000131018	D
SYNGAP1	synaptic Ras GTPase activating protein 1	ENSG00000197283	D
SYNJ2BP	synaptojanin 2 binding protein	ENSG00000213463	U
SYNPR	synaptoporin	ENSG00000163630	D
SYP	synaptophysin	ENSG00000102003	D
SYPL1	synaptophysin-like 1	ENSG00000008282	U
SYT16	synaptotagmin XVI	ENSG00000139973	D
SYT2	synaptotagmin II	ENSG00000143858	D
SYT4	synaptotagmin IV	ENSG00000132872	D
SYT5	synaptotagmin V	ENSG00000129990	D
SYT6	synaptotagmin VI	ENSG00000134207	D
SYT8	synaptotagmin VIII	ENSG00000149043	U
SYT9	synaptotagmin IX	ENSG00000170743	D
SYTL5	synaptotagmin-like 5	ENSG00000147041	D
T	T, brachyury homolog (mouse)	ENSG00000164458	D
TAAR1	trace amine associated receptor 1	ENSG00000146399	D
TAAR6	trace amine associated receptor 6	ENSG00000146383	D
TAAR8	trace amine associated receptor 8	ENSG00000146385	D
TAAR9	trace amine associated receptor 9 (gene/pseudogene)	ENSG00000237110	D
TAC1	tachykinin, precursor 1	ENSG00000006128	D
TAC3	tachykinin 3	ENSG00000166863	U
TACC2	transforming, acidic coiled-coil containing protein 2	ENSG00000138162	U

	translational activator of mitochondrially encoded cytochrome c oxidase		
TACO1	I	ENSG00000136463	U
TACR1	tachykinin receptor 1	ENSG00000115353	D
TACR2	tachykinin receptor 2	ENSG00000075073	D
TACSTD2	tumor-associated calcium signal transducer 2	ENSG00000184292	D
TAF10	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa	ENSG00000166337	U
TAF11	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kDa	ENSG00000064995	D
TAF1B	TATA box binding protein (TBP)-associated factor, RNA polymerase I, B, 63kDa	ENSG00000115750	U
TAF1C	TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kDa	ENSG00000103168	U
TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	ENSG00000064313	U
TAF4	TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135kDa	ENSG00000130699	U
TAF6L	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa	ENSG00000162227	U
TAF7	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa	ENSG00000178913	U
TAF9B	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa	ENSG00000187325	D
TAGAP	T-cell activation RhoGTPase activating protein	ENSG00000164691	D
TAGLN	transgelin	ENSG00000149591	U
TAGLN3	transgelin 3	ENSG00000144834	D
TAL1	T-cell acute lymphocytic leukemia 1	ENSG00000162367	D
TAL2	T-cell acute lymphocytic leukemia 2	ENSG00000186051	D
TALDO1	transaldolase 1	ENSG00000177156	U
TANC1	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	ENSG00000115183	U

TAK3	TAO kinase 3	ENSG00000135090	D
TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	ENSG00000168394	U
TAPBP	TAP binding protein (tapasin)	ENSG00000231925	U
TAPBP1	TAP binding protein-like	ENSG00000139192	U
TARBP1	TAR (HIV-1) RNA binding protein 1	ENSG00000059588	U
TARS	threonyl-tRNA synthetase	ENSG00000113407	U
TARSL2	threonyl-tRNA synthetase-like 2	ENSG00000185418	D
TAS1R1	taste receptor, type 1, member 1	ENSG00000173662	D
TAS1R2	taste receptor, type 1, member 2	ENSG00000179002	D
TAS2R1	taste receptor, type 2, member 1	ENSG00000169777	D
TAS2R10	taste receptor, type 2, member 10	ENSG00000121318	D
TAS2R14	taste receptor, type 2, member 14	ENSG00000212127	D
TAS2R16	taste receptor, type 2, member 16	ENSG00000128519	D
TAS2R19	taste receptor, type 2, member 19	ENSG00000212124	D
TAS2R3	taste receptor, type 2, member 3	ENSG00000127362	D
TAS2R31	taste receptor, type 2, member 31	ENSG00000256436	D
TAS2R39	taste receptor, type 2, member 39	ENSG00000236398	D
TAS2R4	taste receptor, type 2, member 4	ENSG00000127364	D
TAS2R40	taste receptor, type 2, member 40	ENSG00000221937	D
TAS2R41	taste receptor, type 2, member 41	ENSG00000221855	D
TAS2R43	taste receptor, type 2, member 43	ENSG00000255374	D
TAS2R46	taste receptor, type 2, member 46	ENSG00000226761	D
TAS2R5	taste receptor, type 2, member 5	ENSG00000127366	D
TAS2R50	taste receptor, type 2, member 50	ENSG00000212126	D
TAS2R60	taste receptor, type 2, member 60	ENSG00000185899	D
TAS2R7	taste receptor, type 2, member 7	ENSG00000121377	D
TAT	tyrosine aminotransferase	ENSG00000198650	D
TAX1BP3	Tax1 (human T-cell leukemia virus type I) binding protein 3	ENSG00000213977	U
TBATA	thymus, brain and testes associated	ENSG00000166220	D
TBC1D10A	TBC1 domain family, member 10A	ENSG00000099992	U

TBC1D14	TBC1 domain family, member 14	ENSG00000132405	U
TBC1D15	TBC1 domain family, member 15	ENSG00000121749	U
TBC1D21	TBC1 domain family, member 21	ENSG00000167139	D
TBC1D22A	TBC1 domain family, member 22A	ENSG00000054611	U
TBC1D22B	TBC1 domain family, member 22B	ENSG00000065491	U
TBC1D26	TBC1 domain family, member 26	ENSG00000214946	D
TBC1D2B	TBC1 domain family, member 2B	ENSG00000167202	U
TBC1D8B	TBC1 domain family, member 8B (with GRAM domain)	ENSG00000133138	D
TBC1D9B	TBC1 domain family, member 9B (with GRAM domain)	ENSG00000197226	U
TBCB	tubulin folding cofactor B	ENSG00000105254	U
TBCD	tubulin folding cofactor D	ENSG00000141556	U
TBCE	tubulin folding cofactor E	ENSG00000116957	U
TBCEL	tubulin folding cofactor E-like	ENSG00000154114	D
TBK1	TANK-binding kinase 1	ENSG00000183735	U
TBL1X	transducin (beta)-like 1X-linked	ENSG00000101849	U
TBL1Y	transducin (beta)-like 1, Y-linked	ENSG00000092377	D
TBL2	transducin (beta)-like 2	ENSG00000106638	U
TBP	TATA box binding protein	ENSG00000112592	U
TBPL1	TBP-like 1	ENSG00000028839	U
TBR1	T-box, brain, 1	ENSG00000136535	D
TBRG1	transforming growth factor beta regulator 1	ENSG00000154144	D
TBX1	T-box 1	ENSG00000184058	D
TBX15	T-box 15	ENSG00000092607	D
TBX20	T-box 20	ENSG00000164532	D
TBX21	T-box 21	ENSG00000073861	D
TBX22	T-box 22	ENSG00000122145	D
TBX3	T-box 3	ENSG00000135111	U
TBXA2R	thromboxane A2 receptor	ENSG00000006638	D
TCAIM	T cell activation inhibitor, mitochondrial	ENSG00000179152	D
TCAP	titin-cap	ENSG00000173991	D

TCEAL2	transcription elongation factor A (SII)-like 2	ENSG00000184905	D
TCEAL4	transcription elongation factor A (SII)-like 4	ENSG00000133142	U
TCEAL5	transcription elongation factor A (SII)-like 5	ENSG00000204065	D
TCEAL6	transcription elongation factor A (SII)-like 6	ENSG00000204071	D
TCEAL7	transcription elongation factor A (SII)-like 7	ENSG00000182916	D
TCEAL8	transcription elongation factor A (SII)-like 8	ENSG00000180964	U
TCEB1	transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C)	ENSG00000154582	U
TCEB3	transcription elongation factor B (SIII), polypeptide 3 (110kDa, elongin A)	ENSG00000011007	D
TCEB3B	transcription elongation factor B polypeptide 3B (elongin A2)	ENSG00000206181	D
TCEB3C	transcription elongation factor B polypeptide 3C (elongin A3)	ENSG00000183791	D
TCF19	transcription factor 19	ENSG00000137310	D
TCF21	transcription factor 21	ENSG00000118526	U
TCF23	transcription factor 23	ENSG00000163792	D
TCF4	transcription factor 4	ENSG00000196628	U
TCF7	transcription factor 7 (T-cell specific, HMG-box)	ENSG00000081059	D
TCL1A	T-cell leukemia/lymphoma 1A	ENSG00000100721	D
TCN1	transcobalamin I (vitamin B12 binding protein, R binder family)	ENSG00000134827	D
TCOF1	Treacher Collins-Franceschetti syndrome 1	ENSG00000070814	D
TCP1	t-complex 1	ENSG00000120438	U
TCP10	t-complex 10	ENSG00000203690	D
TCP10L	t-complex 10-like	ENSG00000265590	D
TCP11	t-complex 11, testis-specific	ENSG00000124678	D
TCTA	T-cell leukemia translocation altered	ENSG00000145022	U
TCTE1	t-complex-associated-testis-expressed 1	ENSG00000146221	D
TCTE3	t-complex-associated-testis-expressed 3	ENSG00000184786	D
TCTN2	tectonic family member 2	ENSG00000168778	D
TDGF1	teratocarcinoma-derived growth factor 1	ENSG00000241186	D
TDRD1	tudor domain containing 1	ENSG00000095627	U
TDRD9	tudor domain containing 9	ENSG00000156414	D
TDRKH	tudor and KH domain containing	ENSG00000182134	D

TEAD1	TEA domain family member 1 (SV40 transcriptional enhancer factor)	ENSG00000187079	D
TEAD2	TEA domain family member 2	ENSG00000074219	U
TEAD3	TEA domain family member 3	ENSG00000007866	U
TEC	tec protein tyrosine kinase	ENSG00000135605	D
TECTA	tectorin alpha	ENSG00000109927	D
TECTB	tectorin beta	ENSG00000119913	D
TEDDM1	transmembrane epididymal protein 1	ENSG00000203730	D
TEFM	transcription elongation factor, mitochondrial	ENSG00000172171	D
TEK	TEK tyrosine kinase, endothelial	ENSG00000120156	U
TEKT1	tektin 1	ENSG00000167858	D
TEKT2	tektin 2 (testicular)	ENSG00000092850	D
TEKT3	tektin 3	ENSG00000125409	D
TEP1	telomerase-associated protein 1	ENSG00000129566	D
TEPP	testis, prostate and placenta expressed	ENSG00000159648	D
TERF2	telomeric repeat binding factor 2	ENSG00000132604	U
TERF2IP	telomeric repeat binding factor 2, interacting protein	ENSG00000166848	U
TERT	telomerase reverse transcriptase	ENSG00000164362	D
TESC	tescalcin	ENSG00000088992	U
TESK1	testis-specific kinase 1	ENSG00000107140	U
TESK2	testis-specific kinase 2	ENSG00000070759	U
TET2	tet methylcytosine dioxygenase 2	ENSG00000168769	D
TEX10	testis expressed 10	ENSG00000136891	U
TEX101	testis expressed 101	ENSG00000131126	D
TEX12	testis expressed 12	ENSG00000150783	D
TEX13A	testis expressed 13A	ENSG00000133149	D
TEX13B	testis expressed 13B	ENSG00000170925	D
TEX14	testis expressed 14	ENSG00000121101	D
TEX15	testis expressed 15	ENSG00000133863	D
TEX2	testis expressed 2	ENSG00000136478	U
TEX26	testis expressed 26	ENSG00000175664	D

TEX261	testis expressed 261	ENSG00000144043	U
TEX264	testis expressed 264	ENSG00000164081	U
TEX28	testis expressed 28	ENSG00000185254	D
TEX29	testis expressed 29	ENSG00000153495	D
TEX30	testis expressed 30	ENSG00000151287	U
TEX33	testis expressed 33	ENSG00000185264	D
TEX34	testis expressed 34	ENSG00000184361	D
TEX35	testis expressed 35	ENSG00000240021	D
TEX37	testis expressed 37	ENSG00000172073	D
TFAM	transcription factor A, mitochondrial	ENSG00000108064	U
TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)	ENSG00000137203	U
TFAP2B	transcription factor AP-2 beta (activating enhancer binding protein 2 beta)	ENSG00000008196	D
TFAP2C	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)	ENSG00000087510	U
TFAP2D	transcription factor AP-2 delta (activating enhancer binding protein 2 delta)	ENSG00000008197	D
TFB1M	transcription factor B1, mitochondrial	ENSG00000029639	D
TFCP2	transcription factor CP2	ENSG00000135457	U
TFDP1	transcription factor Dp-1	ENSG00000198176	U
TFDP3	transcription factor Dp family, member 3	ENSG00000183434	D
TFEC	transcription factor EC	ENSG00000105967	D
TFG	TRK-fused gene	ENSG00000114354	U
TFIP11	tuftelin interacting protein 11	ENSG00000100109	U
TFPT	TCF3 (E2A) fusion partner (in childhood Leukemia)	ENSG00000105619	U
TFR2	transferrin receptor 2	ENSG00000106327	D
TG	thyroglobulin	ENSG00000042832	D
TGFB2	transforming growth factor, beta 2	ENSG00000092969	D
TGFB3	transforming growth factor, beta 3	ENSG00000119699	U

TGFB2	transforming growth factor, beta receptor II (70/80kDa)	ENSG00000163513	U
TGIF2LY	TGFB-induced factor homeobox 2-like, Y-linked	ENSG00000176679	D
TGM4	transglutaminase 4 (prostate)	ENSG00000163810	D
TGM7	transglutaminase 7	ENSG00000159495	D
TGS1	trimethylguanosine synthase 1	ENSG00000137574	D
TH1L	TH1-like (Drosophila)	ENSG00000101158	U
THAP11	THAP domain containing 11	ENSG00000168286	U
THAP9	THAP domain containing 9	ENSG00000168152	D
THBS1	thrombospondin 1	ENSG00000137801	U
THBS4	thrombospondin 4	ENSG00000113296	D
THEG	theg spermatid protein	ENSG00000105549	D
THEM4	thioesterase superfamily member 4	ENSG00000159445	D
THEM5	thioesterase superfamily member 5	ENSG00000196407	D
THEM6	thioesterase superfamily member 6	ENSG00000130193	U
THEMIS2	thymocyte selection associated family member 2	ENSG00000130775	D
THOC3	THO complex 3	ENSG00000051596	U
THOC6	THO complex 6 homolog (Drosophila)	ENSG00000131652	U
THOP1	thimet oligopeptidase 1	ENSG00000172009	U
THPO	thrombopoietin	ENSG00000090534	D
THRB	thyroid hormone receptor, beta	ENSG00000151090	D
THY1	Thy-1 cell surface antigen	ENSG00000154096	U
TIAM2	T-cell lymphoma invasion and metastasis 2	ENSG00000146426	D
TIGD2	tigger transposable element derived 2	ENSG00000180346	U
TIGD3	tigger transposable element derived 3	ENSG00000173825	D
TIGD4	tigger transposable element derived 4	ENSG00000169989	D
TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	ENSG00000134809	U
TIMM17B	translocase of inner mitochondrial membrane 17 homolog B (yeast)	ENSG00000126768	U
TIMM21	translocase of inner mitochondrial membrane 21 homolog (yeast)	ENSG00000075336	U
TIMM22	translocase of inner mitochondrial membrane 22 homolog (yeast)	ENSG00000177370	U

TIMM50	translocase of inner mitochondrial membrane 50 homolog (S. cerevisiae)	ENSG00000105197	D
TIMP3	TIMP metalloproteinase inhibitor 3	ENSG00000100234	U
TINAGL1	tubulointerstitial nephritis antigen-like 1	ENSG00000142910	U
TINF2	TERF1 (TRF1)-interacting nuclear factor 2	ENSG00000092330	U
TJAP1	tight junction associated protein 1 (peripheral)	ENSG00000137221	U
TJP1	tight junction protein 1	ENSG00000104067	U
TJP2	tight junction protein 2	ENSG00000119139	U
TLE1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	ENSG00000196781	U
TLE3	transducin-like enhancer of split 3 (E(sp1) homolog, Drosophila)	ENSG00000140332	U
TLK1	tousled-like kinase 1	ENSG00000198586	U
TLL2	tolloid-like 2	ENSG00000095587	D
TLN1	talin 1	ENSG00000137076	U
TLR10	toll-like receptor 10	ENSG00000174123	D
TLR3	toll-like receptor 3	ENSG00000164342	U
TLR6	toll-like receptor 6	ENSG00000174130	D
TLR9	toll-like receptor 9	ENSG00000239732	D
TLX1	T-cell leukemia homeobox 1	ENSG00000107807	D
TLX2	T-cell leukemia homeobox 2	ENSG00000115297	D
TLX3	T-cell leukemia homeobox 3	ENSG00000164438	D
TM2D1	TM2 domain containing 1	ENSG00000162604	U
TM2D3	TM2 domain containing 3	ENSG00000184277	U
TM4SF19	transmembrane 4 L six family member 19	ENSG00000145107	D
TM4SF20	transmembrane 4 L six family member 20	ENSG00000168955	D
TM4SF4	transmembrane 4 L six family member 4	ENSG00000169903	D
TM6SF2	transmembrane 6 superfamily member 2	ENSG00000213996	D
TM7SF3	transmembrane 7 superfamily member 3	ENSG00000064115	U
TM9SF1	transmembrane 9 superfamily member 1	ENSG00000100926	U
TM9SF3	transmembrane 9 superfamily member 3	ENSG00000077147	U
TMA16	translation machinery associated 16 homolog (S. cerevisiae)	ENSG00000198498	D

TMBIM1	transmembrane BAX inhibitor motif containing 1	ENSG00000135926	U
TMC1	transmembrane channel-like 1	ENSG00000165091	D
TMC6	transmembrane channel-like 6	ENSG00000141524	U
TMC8	transmembrane channel-like 8	ENSG00000167895	D
TMCO2	transmembrane and coiled-coil domains 2	ENSG00000188800	D
TMCO3	transmembrane and coiled-coil domains 3	ENSG00000150403	U
TMCO5A	transmembrane and coiled-coil domains 5A	ENSG00000166069	D
TMED1	transmembrane emp24 protein transport domain containing 1	ENSG00000099203	U
TMED10	transmembrane emp24-like trafficking protein 10 (yeast)	ENSG00000170348	U
TMED4	transmembrane emp24 protein transport domain containing 4	ENSG00000158604	U
TMED5	transmembrane emp24 protein transport domain containing 5	ENSG00000117500	U
TMEFF2	transmembrane protein with EGF-like and two follistatin-like domains 2	ENSG00000144339	D
TMEM100	transmembrane protein 100	ENSG00000166292	U
TMEM101	transmembrane protein 101	ENSG00000091947	U
TMEM102	transmembrane protein 102	ENSG00000181284	D
TMEM106C	transmembrane protein 106C	ENSG00000134291	U
TMEM120A	transmembrane protein 120A	NA	U
TMEM121	transmembrane protein 121	ENSG00000184986	D
TMEM123	transmembrane protein 123	ENSG00000152558	U
TMEM126A	transmembrane protein 126A	ENSG00000171202	U
TMEM126B	transmembrane protein 126B	ENSG00000171204	U
TMEM130	transmembrane protein 130	ENSG00000166448	D
TMEM134	transmembrane protein 134	ENSG00000172663	U
TMEM138	transmembrane protein 138	ENSG00000149483	U
TMEM139	transmembrane protein 139	ENSG00000178826	U
TMEM140	transmembrane protein 140	ENSG00000146859	U
TMEM145	transmembrane protein 145	ENSG00000167619	D
TMEM14B	transmembrane protein 14B	ENSG00000137210	U
TMEM156	transmembrane protein 156	ENSG00000121895	D
TMEM160	transmembrane protein 160	ENSG00000130748	U

TMEM167B	transmembrane protein 167B	ENSG00000215717	U
TMEM169	transmembrane protein 169	ENSG00000163449	D
TMEM17	transmembrane protein 17	ENSG00000186889	D
TMEM171	transmembrane protein 171	ENSG00000157111	D
TMEM174	transmembrane protein 174	ENSG00000164325	D
TMEM175	transmembrane protein 175	ENSG00000127419	U
TMEM184B	transmembrane protein 184B	ENSG00000198792	U
TMEM184C	transmembrane protein 184C	ENSG00000164168	D
TMEM187	transmembrane protein 187	ENSG00000177854	U
TMEM190	transmembrane protein 190	ENSG00000160472	D
TMEM196	transmembrane protein 196	ENSG00000173452	D
TMEM200A	transmembrane protein 200A	ENSG00000164484	D
TMEM200B	transmembrane protein 200B	ENSG00000253304	D
TMEM205	transmembrane protein 205	ENSG00000105518	U
TMEM206	transmembrane protein 206	ENSG00000065600	D
TMEM208	transmembrane protein 208	ENSG00000168701	U
TMEM209	transmembrane protein 209	ENSG00000146842	U
TMEM214	transmembrane protein 214	ENSG00000119777	U
TMEM216	transmembrane protein 216	ENSG00000187049	U
TMEM217	transmembrane protein 217	ENSG00000172738	D
TMEM219	transmembrane protein 219	ENSG00000149932	U
TMEM225	transmembrane protein 225	ENSG00000204300	D
TMEM229B	transmembrane protein 229B	ENSG00000198133	D
TMEM245	transmembrane protein 245	ENSG00000106771	U
TMEM246	transmembrane protein 246	ENSG00000165152	D
TMEM248	transmembrane protein 248	ENSG00000106609	U
TMEM252	transmembrane protein 252	ENSG00000181778	D
TMEM30A	transmembrane protein 30A	ENSG00000112697	U
TMEM30B	transmembrane protein 30B	ENSG00000182107	U
TMEM35	transmembrane protein 35	ENSG00000126950	D

TMEM39A	transmembrane protein 39A	ENSG00000176142	U
TMEM39B	transmembrane protein 39B	ENSG00000121775	U
TMEM40	transmembrane protein 40	ENSG00000088726	U
TMEM41B	transmembrane protein 41B	ENSG00000166471	U
TMEM45A	transmembrane protein 45A	ENSG00000181458	U
TMEM45B	transmembrane protein 45B	ENSG00000151715	D
TMEM47	transmembrane protein 47	ENSG00000147027	D
TMEM5	transmembrane protein 5	ENSG00000118600	U
TMEM51	transmembrane protein 51	ENSG00000171729	U
TMEM52	transmembrane protein 52	ENSG00000178821	D
TMEM53	transmembrane protein 53	ENSG00000126106	D
TMEM55B	transmembrane protein 55B	ENSG00000165782	U
TMEM56	transmembrane protein 56	ENSG00000152078	D
TMEM59L	transmembrane protein 59-like	ENSG00000105696	D
TMEM60	transmembrane protein 60	ENSG00000135211	U
TMEM62	transmembrane protein 62	ENSG00000137842	U
TMEM63A	transmembrane protein 63A	ENSG00000196187	U
TMEM64	transmembrane protein 64	ENSG00000180694	D
TMEM67	transmembrane protein 67	ENSG00000164953	D
TMEM71	transmembrane protein 71	ENSG00000165071	D
TMEM74	transmembrane protein 74	ENSG00000164841	D
TMEM74B	transmembrane protein 74B	ENSG00000125895	U
TMEM88	transmembrane protein 88	ENSG00000167874	U
TMEM92	transmembrane protein 92	ENSG00000167105	D
TMEM95	transmembrane protein 95	ENSG00000182896	D
TMEM97	transmembrane protein 97	ENSG00000109084	U
TMEM99	transmembrane protein 99	ENSG00000167920	U
TMF1	TATA element modulatory factor 1	ENSG00000144747	U
TMLHE	trimethyllysine hydroxylase, epsilon	ENSG00000185973	D
TMOD2	tropomodulin 2 (neuronal)	ENSG00000128872	D

TMOD3	tropomodulin 3 (ubiquitous)	ENSG00000138594	D
TMOD4	tropomodulin 4 (muscle)	ENSG00000163157	D
TMPRSS11A	transmembrane protease, serine 11A	ENSG00000187054	D
TMPRSS11D	transmembrane protease, serine 11D	ENSG00000153802	D
TMPRSS11F	transmembrane protease, serine 11F	ENSG00000198092	D
TMPRSS13	transmembrane protease, serine 13	ENSG00000137747	D
TMPRSS15	transmembrane protease, serine 15	ENSG00000154646	D
TMPRSS3	transmembrane protease, serine 3	ENSG00000160183	D
TMPRSS4	transmembrane protease, serine 4	ENSG00000137648	D
TMPRSS5	transmembrane protease, serine 5	ENSG00000166682	D
TMSB15A	thymosin beta 15a	ENSG00000158164	D
TMUB1	transmembrane and ubiquitin-like domain containing 1	ENSG00000164897	U
TMX1	thioredoxin-related transmembrane protein 1	ENSG00000139921	U
TNF	tumor necrosis factor	ENSG00000232810	D
TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	ENSG00000109079	U
TNFAIP2	tumor necrosis factor, alpha-induced protein 2	ENSG00000185215	U
TNFAIP3	tumor necrosis factor, alpha-induced protein 3	ENSG00000118503	U
TNFAIP6	tumor necrosis factor, alpha-induced protein 6	ENSG00000123610	D
TNFAIP8	tumor necrosis factor, alpha-induced protein 8	ENSG00000145779	D
TNFAIP8L1	tumor necrosis factor, alpha-induced protein 8-like 1	ENSG00000185361	U
TNFAIP8L2	tumor necrosis factor, alpha-induced protein 8-like 2	ENSG00000163154	D
	tumor necrosis factor receptor superfamily, member 11a, NFKB		
TNFRSF11A	activator	ENSG00000141655	D
TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	ENSG00000240505	D
TNFRSF13C	tumor necrosis factor receptor superfamily, member 13C	ENSG00000159958	D
TNFRSF14	tumor necrosis factor receptor superfamily, member 14	ENSG00000157873	U
TNFRSF17	tumor necrosis factor receptor superfamily, member 17	ENSG00000048462	D
TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	ENSG00000028137	U
TNFRSF21	tumor necrosis factor receptor superfamily, member 21	ENSG00000146072	U
TNFRSF25	tumor necrosis factor receptor superfamily, member 25	ENSG00000215788	U

TNFRSF8	tumor necrosis factor receptor superfamily, member 8	ENSG00000120949	D
TNFSF13	tumor necrosis factor (ligand) superfamily, member 13	ENSG00000161955	D
TNFSF14	tumor necrosis factor (ligand) superfamily, member 14	ENSG00000125735	D
TNFSF4	tumor necrosis factor (ligand) superfamily, member 4	ENSG00000117586	D
TNFSF8	tumor necrosis factor (ligand) superfamily, member 8	ENSG00000106952	D
TNIK	TRAF2 and NCK interacting kinase	ENSG00000154310	D
TNIP1	TNFAIP3 interacting protein 1	ENSG00000145901	U
TNIP2	TNFAIP3 interacting protein 2	ENSG00000168884	U
TNIP3	TNFAIP3 interacting protein 3	ENSG00000050730	D
TNK1	tyrosine kinase, non-receptor, 1	ENSG00000174292	D
TNKS1BP1	tankyrase 1 binding protein 1, 182kDa	ENSG00000149115	U
TNN	tenascin N	ENSG00000120332	D
TNNC2	troponin C type 2 (fast)	ENSG00000101470	D
TNNI3	troponin I type 3 (cardiac)	ENSG00000129991	D
TNNI3K	TNNI3 interacting kinase	ENSG00000116783	D
TNNT3	troponin T type 3 (skeletal, fast)	ENSG00000130595	U
TNP1	transition protein 1 (during histone to protamine replacement)	ENSG00000118245	D
TNPO2	transportin 2	ENSG00000105576	U
TNRC6C	trinucleotide repeat containing 6C	ENSG00000078687	D
TNS1	tensin 1	ENSG00000079308	U
TNXB	tenascin XB	ENSG00000168477	D
TOM1	target of myb1 (chicken)	ENSG00000100284	U
TOM1L1	target of myb1 (chicken)-like 1	ENSG00000141198	D
TOMM20L	translocase of outer mitochondrial membrane 20 homolog (yeast)-like	ENSG00000196860	D
TOMM22	translocase of outer mitochondrial membrane 22 homolog (yeast)	ENSG00000100216	U
TOMM34	translocase of outer mitochondrial membrane 34	ENSG00000025772	U
TOMM40	translocase of outer mitochondrial membrane 40 homolog (yeast)	ENSG00000130204	U
TOMM40L	translocase of outer mitochondrial membrane 40 homolog (yeast)-like	ENSG00000158882	D
TOMM70A	translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)	ENSG00000154174	U

TOP2A	topoisomerase (DNA) II alpha 170kDa	ENSG00000131747	U
TOPBP1	topoisomerase (DNA) II binding protein 1	ENSG00000163781	U
TOR1A	torsin family 1, member A (torsin A)	ENSG00000136827	U
TOR1AIP1	torsin A interacting protein 1	ENSG00000143337	U
TP53AIP1	tumor protein p53 regulated apoptosis inducing protein 1	ENSG00000120471	D
TP53INP1	tumor protein p53 inducible nuclear protein 1	ENSG00000164938	U
TP53TG5	TP53 target 5	ENSG00000124251	D
TP73	tumor protein p73	ENSG00000078900	D
TPBG	trophoblast glycoprotein	ENSG00000146242	U
TPD52L3	tumor protein D52-like 3	ENSG00000170777	D
TPGS1	tubulin polyglutamylase complex subunit 1	ENSG00000141933	D
TPM1	tropomyosin 1 (alpha)	ENSG00000140416	U
TPM2	tropomyosin 2 (beta)	ENSG00000198467	U
TPM3	tropomyosin 3	ENSG00000143549	U
TPM4	tropomyosin 4	ENSG00000167460	U
TPPP	tubulin polymerization promoting protein	ENSG00000171368	D
TPPP2	tubulin polymerization-promoting protein family member 2	ENSG00000179636	D
TPPP3	tubulin polymerization-promoting protein family member 3	ENSG00000159713	U
TPR	translocated promoter region, nuclear basket protein	ENSG00000047410	U
TPRA1	transmembrane protein, adipocyte associated 1	ENSG00000163870	U
TPRG1	tumor protein p63 regulated 1	ENSG00000188001	D
TPRX1	tetra-peptide repeat homeobox 1	ENSG00000178928	D
TPSD1	tryptase delta 1	ENSG00000095917	D
TPST2	tyrosylprotein sulfotransferase 2	ENSG00000128294	U
TRA2B	transformer 2 beta homolog (Drosophila)	ENSG00000136527	U
TRABD	TraB domain containing	ENSG00000170638	U
TRAF3IP1	TNF receptor-associated factor 3 interacting protein 1	ENSG00000204104	D
TRAF3IP3	TRAF3 interacting protein 3	ENSG00000009790	D
TRAF7	TNF receptor-associated factor 7, E3 ubiquitin protein ligase	ENSG00000131653	D
TRAJD1	TRAF-type zinc finger domain containing 1	ENSG00000135148	U

TRAK2	trafficking protein, kinesin binding 2	ENSG00000115993	U
TRAM1L1	translocation associated membrane protein 1-like 1	ENSG00000174599	D
TRAP1	TNF receptor-associated protein 1	ENSG00000126602	U
TRAPPC1	trafficking protein particle complex 1	ENSG00000170043	U
TRAPPC11	trafficking protein particle complex 11	ENSG00000168538	U
TRAPPC12	trafficking protein particle complex 12	ENSG00000171853	U
TRAPPC2L	trafficking protein particle complex 2-like	ENSG00000167515	U
TRAPPC3	trafficking protein particle complex 3	ENSG00000054116	U
TRAPPC4	trafficking protein particle complex 4	ENSG00000196655	U
TRAPPC6A	trafficking protein particle complex 6A	ENSG00000007255	U
TRAPPC8	trafficking protein particle complex 8	ENSG00000153339	U
TRAPPC9	trafficking protein particle complex 9	ENSG00000167632	U
TRAT1	T cell receptor associated transmembrane adaptor 1	ENSG00000163519	D
TRDMT1	tRNA aspartic acid methyltransferase 1	ENSG00000107614	D
TRDN	triadin	ENSG00000186439	D
TREM2	triggering receptor expressed on myeloid cells 2	ENSG00000095970	D
TREML2	triggering receptor expressed on myeloid cells-like 2	ENSG00000112195	U
TREML4	triggering receptor expressed on myeloid cells-like 4	ENSG00000188056	D
TREX2	three prime repair exonuclease 2	ENSG00000183479	D
TRH	thyrotropin-releasing hormone	ENSG00000170893	D
TRHDE	thyrotropin-releasing hormone degrading enzyme	ENSG00000072657	D
TRHR	thyrotropin-releasing hormone receptor	ENSG00000174417	D
TRIAP1	TP53 regulated inhibitor of apoptosis 1	ENSG00000170855	U
TRIB1	tribbles homolog 1 (Drosophila)	ENSG00000173334	U
TRIB2	tribbles homolog 2 (Drosophila)	ENSG00000071575	U
TRIM10	tripartite motif containing 10	ENSG00000204613	D
TRIM11	tripartite motif containing 11	ENSG00000154370	U
TRIM14	tripartite motif containing 14	ENSG00000106785	D
TRIM15	tripartite motif containing 15	ENSG00000204610	D
TRIM21	tripartite motif containing 21	ENSG00000132109	U

TRIM26	tripartite motif containing 26	ENSG00000234127	U
TRIM28	tripartite motif containing 28	ENSG00000130726	U
TRIM29	tripartite motif containing 29	ENSG00000137699	U
TRIM31	tripartite motif containing 31	ENSG00000204616	D
TRIM33	tripartite motif containing 33	ENSG00000197323	U
TRIM34	tripartite motif containing 34	ENSG00000258659	D
TRIM36	tripartite motif containing 36	ENSG00000152503	D
TRIM42	tripartite motif containing 42	ENSG00000155890	D
TRIM44	tripartite motif containing 44	ENSG00000166326	U
TRIM46	tripartite motif containing 46	ENSG00000163462	D
TRIM48	tripartite motif containing 48	ENSG00000150244	D
TRIM49	tripartite motif containing 49	ENSG00000168930	D
TRIM50	tripartite motif containing 50	ENSG00000146755	D
TRIM51	tripartite motif-containing 51	ENSG00000124900	D
TRIM54	tripartite motif containing 54	ENSG00000138100	D
TRIM55	tripartite motif containing 55	ENSG00000147573	D
TRIM56	tripartite motif containing 56	ENSG00000169871	U
TRIM63	tripartite motif containing 63, E3 ubiquitin protein ligase	ENSG00000158022	D
TRIM65	tripartite motif containing 65	ENSG00000141569	D
TRIM68	tripartite motif containing 68	ENSG00000167333	U
TRIM69	tripartite motif containing 69	ENSG00000185880	D
TRIM72	tripartite motif containing 72	ENSG00000177238	D
TRIM8	tripartite motif containing 8	ENSG00000171206	U
TRIML1	tripartite motif family-like 1	ENSG00000184108	D
TRIML2	tripartite motif family-like 2	ENSG00000179046	U
TRIP10	thyroid hormone receptor interactor 10	ENSG00000125733	U
TRIP11	thyroid hormone receptor interactor 11	ENSG00000100815	U
TRIP12	thyroid hormone receptor interactor 12	ENSG00000153827	U
TRIP6	thyroid hormone receptor interactor 6	ENSG00000087077	U
TRO	trophinin	ENSG00000067445	D

TRPA1	transient receptor potential cation channel, subfamily A, member 1	ENSG00000104321	D
TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	ENSG00000100991	U
TRPC5	transient receptor potential cation channel, subfamily C, member 5	ENSG00000072315	D
TRPC7	transient receptor potential cation channel, subfamily C, member 7	ENSG00000069018	D
TRPM1	transient receptor potential cation channel, subfamily M, member 1	ENSG00000134160	D
TRPM2	transient receptor potential cation channel, subfamily M, member 2	ENSG00000142185	D
TRPM3	transient receptor potential cation channel, subfamily M, member 3	ENSG00000083067	D
TRPV1	transient receptor potential cation channel, subfamily V, member 1	ENSG00000262304	D
TRPV4	transient receptor potential cation channel, subfamily V, member 4	ENSG00000111199	U
TRRAP	transformation/transcription domain-associated protein	ENSG00000196367	U
TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	ENSG00000165832	D
TRUB2	TruB pseudouridine (psi) synthase homolog 2 (E. coli)	ENSG00000167112	U
TSACC	TSSK6 activating co-chaperone	ENSG00000163467	D
TSC22D1	TSC22 domain family, member 1	ENSG00000102804	U
TSC22D2	TSC22 domain family, member 2	ENSG00000196428	U
TSEN2	tRNA splicing endonuclease 2 homolog (S. cerevisiae)	ENSG00000154743	D
TSEN34	tRNA splicing endonuclease 34 homolog (S. cerevisiae)	ENSG00000170892	U
TSFM	Ts translation elongation factor, mitochondrial	ENSG00000123297	U
TSGA10	testis specific, 10	ENSG00000135951	D
TSGA10IP	testis specific, 10 interacting protein	NA	D
TSHB	thyroid stimulating hormone, beta	ENSG00000134200	D
TSHR	thyroid stimulating hormone receptor	ENSG00000165409	D
TSHZ2	teashirt zinc finger homeobox 2	ENSG00000182463	D
TSLP	thymic stromal lymphopoietin	ENSG00000145777	D
TSNAXIP1	translin-associated factor X interacting protein 1	ENSG00000102904	D
TSPAN13	tetraspanin 13	ENSG00000106537	U
TSPAN14	tetraspanin 14	ENSG00000108219	U
TSPAN17	tetraspanin 17	ENSG00000048140	U
TSPAN2	tetraspanin 2	ENSG00000134198	D

TSPAN3	tetraspanin 3	ENSG00000140391	U
TSPAN31	tetraspanin 31	ENSG00000135452	U
TSPEAR	thrombospondin-type laminin G domain and EAR repeats	ENSG00000175894	D
TSP0	translocator protein (18kDa)	ENSG00000100300	U
TSPYL1	TSPY-like 1	ENSG00000189241	U
TSR2	TSR2, 20S rRNA accumulation, homolog (<i>S. cerevisiae</i>)	ENSG00000158526	U
TSSC4	tumor suppressing subtransferable candidate 4	ENSG00000184281	U
TSSK1B	testis-specific serine kinase 1B	ENSG00000212122	D
TSSK3	testis-specific serine kinase 3	ENSG00000162526	D
TSSK6	testis-specific serine kinase 6	NA	D
TST	thiosulfate sulfurtransferase (rhodanese)	ENSG00000128311	U
TSTA3	tissue specific transplantation antigen P35B	ENSG00000104522	U
TTC1	tetratricopeptide repeat domain 1	ENSG00000113312	U
TTC12	tetratricopeptide repeat domain 12	ENSG00000149292	D
TTC18	tetratricopeptide repeat domain 18	ENSG00000156042	D
TTC19	tetratricopeptide repeat domain 19	ENSG00000011295	U
TTC23L	tetratricopeptide repeat domain 23-like	ENSG00000205838	D
TTC29	tetratricopeptide repeat domain 29	ENSG00000137473	D
TTC3	tetratricopeptide repeat domain 3	ENSG00000182670	U
TTC30B	tetratricopeptide repeat domain 30B	ENSG00000196659	D
TTC31	tetratricopeptide repeat domain 31	ENSG00000115282	U
TTC37	tetratricopeptide repeat domain 37	ENSG00000198677	U
TTC39B	tetratricopeptide repeat domain 39B	ENSG00000155158	D
TTC4	tetratricopeptide repeat domain 4	ENSG00000243725	U
TTC40	tetratricopeptide repeat domain 40	ENSG00000171811	D
TTC9B	tetratricopeptide repeat domain 9B	ENSG00000174521	D
TTI2	TELO2 interacting protein 2	ENSG00000129696	U
TTLL2	tubulin tyrosine ligase-like family, member 2	ENSG00000120440	D
TTLL6	tubulin tyrosine ligase-like family, member 6	ENSG00000170703	D
TTLL7	tubulin tyrosine ligase-like family, member 7	ENSG00000137941	D

TTN	titin	ENSG00000155657	D
TTR	transthyretin	ENSG00000118271	D
TUB	tubby homolog (mouse)	ENSG00000166402	D
TUBB	tubulin, beta class I	ENSG00000196230	U
TUBB4A	tubulin, beta 4A class IVa	ENSG00000104833	D
TUBB6	tubulin, beta 6 class V	ENSG00000176014	U
TUBGCP2	tubulin, gamma complex associated protein 2	ENSG00000130640	U
TUFM	Tu translation elongation factor, mitochondrial	ENSG00000178952	U
TUFT1	tuftelin 1	ENSG00000143367	U
TULP1	tubby like protein 1	ENSG00000112041	D
TULP4	tubby like protein 4	ENSG00000130338	U
TUSC1	tumor suppressor candidate 1	ENSG00000198680	U
TUSC5	tumor suppressor candidate 5	ENSG00000184811	D
TXLNA	taxilin alpha	ENSG00000084652	U
TXLNB	taxilin beta	ENSG00000164440	D
TXLNG	taxilin gamma	ENSG00000086712	D
TXLNG2P	taxilin gamma 2, pseudogene	NA	D
TXN2	thioredoxin 2	ENSG00000100348	U
TXNDC11	thioredoxin domain containing 11	ENSG00000153066	U
TXNDC16	thioredoxin domain containing 16	ENSG00000087301	D
TXNL1	thioredoxin-like 1	ENSG00000091164	U
TXNL4B	thioredoxin-like 4B	ENSG00000140830	D
TXNRD1	thioredoxin reductase 1	ENSG00000198431	U
TYK2	tyrosine kinase 2	ENSG00000105397	U
TYMS	thymidylate synthetase	ENSG00000176890	U
TYR	tyrosinase (oculocutaneous albinism IA)	ENSG00000077498	D
TYSND1	trypsin domain containing 1	ENSG00000156521	U
TYW5	tRNA-yW synthesizing protein 5	ENSG00000162971	D
U2AF1	U2 small nuclear RNA auxiliary factor 1	ENSG00000160201	U
U2AF2	U2 small nuclear RNA auxiliary factor 2	ENSG00000063244	U

UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats	ENSG00000137831	D
UAP1	UDP-N-acteylglucosamine pyrophosphorylase 1	ENSG00000117143	U
UBA1	ubiquitin-like modifier activating enzyme 1	ENSG00000130985	U
UBA3	ubiquitin-like modifier activating enzyme 3	ENSG00000144744	U
UBAC2	UBA domain containing 2	ENSG00000134882	U
UBAP1	ubiquitin associated protein 1	ENSG00000165006	U
UBAP2	ubiquitin associated protein 2	ENSG00000137073	U
UBAP2L	ubiquitin associated protein 2-like	ENSG00000143569	U
UBASH3A	ubiquitin associated and SH3 domain containing A	ENSG00000160185	D
UBD	ubiquitin D	ENSG00000213886	D
UBE2D1	ubiquitin-conjugating enzyme E2D 1	ENSG00000072401	D
UBE2D3	ubiquitin-conjugating enzyme E2D 3	ENSG00000109332	U
UBE2E2	ubiquitin-conjugating enzyme E2E 2	ENSG00000182247	U
UBE2F	ubiquitin-conjugating enzyme E2F (putative)	ENSG00000184182	U
UBE2H	ubiquitin-conjugating enzyme E2H	ENSG00000186591	U
UBE2K	ubiquitin-conjugating enzyme E2K	ENSG00000078140	U
UBE2N	ubiquitin-conjugating enzyme E2N	ENSG00000177889	U
UBE2NL	ubiquitin-conjugating enzyme E2N-like	ENSG00000102069	D
UBE2Q2	ubiquitin-conjugating enzyme E2Q family member 2	ENSG00000140367	U
UBE2U	ubiquitin-conjugating enzyme E2U (putative)	ENSG00000177414	D
UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	ENSG00000169139	U
UBE2Z	ubiquitin-conjugating enzyme E2Z	ENSG00000159202	U
UBE3B	ubiquitin protein ligase E3B	ENSG00000151148	U
UBE3C	ubiquitin protein ligase E3C	ENSG00000009335	U
UBE4B	ubiquitination factor E4B	ENSG00000130939	U
UBIAD1	UbiA prenyltransferase domain containing 1	ENSG00000120942	U
UBL3	ubiquitin-like 3	ENSG00000122042	U
UBL4B	ubiquitin-like 4B	ENSG00000186150	D
UBLCP1	ubiquitin-like domain containing CTD phosphatase 1	ENSG00000164332	U
UBN1	ubinuclein 1	ENSG00000118900	U

UBP1	upstream binding protein 1 (LBP-1a)	ENSG00000153560	U
UBQLN1	ubiquilin 1	ENSG00000135018	U
UBQLN2	ubiquilin 2	ENSG00000188021	U
UBQLN4	ubiquilin 4	ENSG00000160803	U
UBR2	ubiquitin protein ligase E3 component n-recognin 2	ENSG00000024048	U
UBR4	ubiquitin protein ligase E3 component n-recognin 4	ENSG00000127481	U
UBR5	ubiquitin protein ligase E3 component n-recognin 5	ENSG00000104517	U
UBXN1	UBX domain protein 1	ENSG00000162191	U
UBXN10	UBX domain protein 10	ENSG00000162543	D
UBXN2A	UBX domain protein 2A	ENSG00000173960	U
UBXN6	UBX domain protein 6	ENSG00000167671	U
UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	ENSG00000118939	U
UCKL1	uridine-cytidine kinase 1-like 1	ENSG00000198276	U
UCMA	upper zone of growth plate and cartilage matrix associated	ENSG00000165623	D
UCN2	urocortin 2	ENSG00000145040	D
UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	ENSG00000175567	U
UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	ENSG00000175564	D
UFC1	ubiquitin-fold modifier conjugating enzyme 1	ENSG00000143222	U
UFM1	ubiquitin-fold modifier 1	ENSG00000120686	U
UFSP2	UFM1-specific peptidase 2	ENSG00000109775	U
UGCG	UDP-glucose ceramide glucosyltransferase	ENSG00000148154	U
UGP2	UDP-glucose pyrophosphorylase 2	ENSG00000169764	U
UGT2A3	UDP glucuronosyltransferase 2 family, polypeptide A3	ENSG00000135220	D
UGT2B11	UDP glucuronosyltransferase 2 family, polypeptide B11	ENSG00000213759	D
UGT2B7	UDP glucuronosyltransferase 2 family, polypeptide B7	ENSG00000171234	D
UGT3A1	UDP glycosyltransferase 3 family, polypeptide A1	ENSG00000145626	D
UGT3A2	UDP glycosyltransferase 3 family, polypeptide A2	ENSG00000168671	D
UGT8	UDP glycosyltransferase 8	ENSG00000174607	D
UHRF1BP1	UHRF1 binding protein 1	ENSG00000065060	D
UIMC1	ubiquitin interaction motif containing 1	ENSG00000087206	U

ULBP3	UL16 binding protein 3	ENSG00000131019	D
ULK1	unc-51-like kinase 1 (C. elegans)	ENSG00000177169	U
UMOD	uromodulin	ENSG00000169344	D
UMODL1	uromodulin-like 1	ENSG00000177398	D
UMPS	uridine monophosphate synthetase	ENSG00000114491	D
UNC45A	unc-45 homolog A (C. elegans)	ENSG00000140553	U
UNC45B	unc-45 homolog B (C. elegans)	ENSG00000141161	D
UNC5A	unc-5 homolog A (C. elegans)	ENSG00000113763	D
UNC5C	unc-5 homolog C (C. elegans)	ENSG00000182168	D
UNC5CL	unc-5 homolog C (C. elegans)-like	ENSG00000124602	D
UNC5D	unc-5 homolog D (C. elegans)	ENSG00000156687	D
UNC93A	unc-93 homolog A (C. elegans)	ENSG00000112494	D
UPB1	ureidopropionase, beta	ENSG00000100024	D
UPF1	UPF1 regulator of nonsense transcripts homolog (yeast)	ENSG00000005007	U
UPK1A	urolakin 1A	ENSG00000105668	D
UPK2	urolakin 2	ENSG00000110375	D
UPK3A	urolakin 3A	ENSG00000100373	D
UPP2	uridine phosphorylase 2	ENSG00000007001	D
UQCR11	ubiquinol-cytochrome c reductase, complex III subunit XI	ENSG00000127540	U
UQCRC2	ubiquinol-cytochrome c reductase core protein II	ENSG00000140740	U
UQCRH	ubiquinol-cytochrome c reductase hinge protein	ENSG00000173660	U
URGCP	upregulator of cell proliferation	ENSG00000106608	U
URI1	URI1, prefoldin-like chaperone	ENSG00000105176	U
UROC1	urocanate hydratase 1	ENSG00000159650	D
UROS	uroporphyrinogen III synthase	ENSG00000188690	U
USB1	U6 snRNA biogenesis 1	ENSG00000103005	U
USF2	upstream transcription factor 2, c-fos interacting	ENSG00000105698	U
USH1C	Usher syndrome 1C (autosomal recessive, severe)	ENSG00000006611	D
USH2A	Usher syndrome 2A (autosomal recessive, mild)	ENSG00000042781	D
USO1	USO1 vesicle docking protein homolog (yeast)	ENSG00000138768	U

USP10	ubiquitin specific peptidase 10	ENSG00000103194	U
USP17L2	ubiquitin specific peptidase 17-like 2	ENSG00000223443	D
USP20	ubiquitin specific peptidase 20	ENSG00000136878	D
USP26	ubiquitin specific peptidase 26	ENSG00000134588	D
USP28	ubiquitin specific peptidase 28	ENSG00000048028	D
USP29	ubiquitin specific peptidase 29	ENSG00000131864	D
USP3	ubiquitin specific peptidase 3	ENSG00000140455	U
USP38	ubiquitin specific peptidase 38	ENSG00000170185	U
USP39	ubiquitin specific peptidase 39	ENSG00000168883	U
USP40	ubiquitin specific peptidase 40	ENSG00000085982	D
USP5	ubiquitin specific peptidase 5 (isopeptidase T)	ENSG00000111667	U
USP54	ubiquitin specific peptidase 54	ENSG00000166348	D
USP7	ubiquitin specific peptidase 7 (herpes virus-associated)	ENSG00000187555	U
USP9X	ubiquitin specific peptidase 9, X-linked	ENSG00000124486	U
USP9Y	ubiquitin specific peptidase 9, Y-linked	ENSG00000114374	D
UTP14C	UTP14, U3 small nucleolar ribonucleoprotein, homolog C (yeast)	ENSG00000253797	U
UTP20	UTP20, small subunit (SSU) processome component, homolog (yeast)	ENSG00000120800	D
UTP3	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	ENSG00000132467	U
UTP6	UTP6, small subunit (SSU) processome component, homolog (yeast)	ENSG00000108651	U
UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked	ENSG00000183878	D
UVRAG	UV radiation resistance associated gene	ENSG00000198382	U
UXT	ubiquitously-expressed, prefoldin-like chaperone	ENSG00000126756	U
VAMP7	vesicle-associated membrane protein 7	ENSG00000124333	U
VANGL1	vang-like 1 (van gogh, Drosophila)	ENSG00000173218	D
VAPB	VAMP (vesicle-associated membrane protein)-associated protein B and C	ENSG00000124164	D
VASH1	vasohibin 1	ENSG00000071246	U
VASH2	vasohibin 2	ENSG00000143494	D
VAT1	vesicle amine transport protein 1 homolog (T. californica)	ENSG00000108828	U

VAT1L	vesicle amine transport protein 1 homolog (T. californica)-like	ENSG00000171724	D
VAV3	vav 3 guanine nucleotide exchange factor	ENSG00000134215	U
VBP1	von Hippel-Lindau binding protein 1	ENSG00000155959	U
VCAN	versican	ENSG00000038427	U
VCL	vinculin	ENSG00000035403	U
VCP	valosin containing protein	ENSG00000165280	U
VCX2	variable charge, X-linked 2	ENSG00000177504	D
VCY	variable charge, Y-linked	ENSG00000129864	D
VEGFB	vascular endothelial growth factor B	ENSG00000173511	U
VEPH1	ventricular zone expressed PH domain homolog 1 (zebrafish)	ENSG00000197415	D
VEZF1	vascular endothelial zinc finger 1	ENSG00000136451	U
VEZT	vezatin, adherens junctions transmembrane protein	ENSG00000028203	U
VGf	VGf nerve growth factor inducible	ENSG00000128564	D
VGLL2	vestigial like 2 (Drosophila)	ENSG00000170162	D
VGLL4	vestigial like 4 (Drosophila)	ENSG00000144560	U
VHL	von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase	ENSG00000134086	U
VIL1	villin 1	ENSG00000127831	D
VIMP	VCP-interacting membrane protein	ENSG00000131871	U
VIP	vasoactive intestinal peptide	ENSG00000146469	D
VIT	vitrin	ENSG00000205221	D
VKORC1	vitamin K epoxide reductase complex, subunit 1	ENSG00000167397	U
VKORC1L1	vitamin K epoxide reductase complex, subunit 1-like 1	ENSG00000196715	U
VLDLR	very low density lipoprotein receptor	ENSG00000147852	D
VMA21	VMA21 vacuolar H ⁺ -ATPase homolog (S. cerevisiae)	ENSG00000160131	U
VMP1	vacuole membrane protein 1	ENSG00000062716	U
VN1R2	vomeroneasal 1 receptor 2	ENSG00000196131	D
VN1R4	vomeroneasal 1 receptor 4	ENSG00000228567	D
VPREB1	pre-B lymphocyte 1	ENSG00000169575	D
VPS13A	vacuolar protein sorting 13 homolog A (S. cerevisiae)	ENSG00000197969	D
VPS13B	vacuolar protein sorting 13 homolog B (yeast)	ENSG00000132549	D

VPS25	vacuolar protein sorting 25 homolog (<i>S. cerevisiae</i>)	ENSG00000131475	U
VPS26A	vacuolar protein sorting 26 homolog A (<i>S. pombe</i>)	ENSG00000122958	U
VPS26B	vacuolar protein sorting 26 homolog B (<i>S. pombe</i>)	ENSG00000151502	U
VPS28	vacuolar protein sorting 28 homolog (<i>S. cerevisiae</i>)	ENSG00000160948	U
VPS29	vacuolar protein sorting 29 homolog (<i>S. cerevisiae</i>)	ENSG00000111237	U
VPS35	vacuolar protein sorting 35 homolog (<i>S. cerevisiae</i>)	ENSG00000069329	U
VPS36	vacuolar protein sorting 36 homolog (<i>S. cerevisiae</i>)	ENSG00000136100	U
VPS37B	vacuolar protein sorting 37 homolog B (<i>S. cerevisiae</i>)	ENSG00000139722	U
VPS45	vacuolar protein sorting 45 homolog (<i>S. cerevisiae</i>)	ENSG00000136631	U
VPS4A	vacuolar protein sorting 4 homolog A (<i>S. cerevisiae</i>)	ENSG00000132612	U
VPS4B	vacuolar protein sorting 4 homolog B (<i>S. cerevisiae</i>)	ENSG00000119541	U
VPS52	vacuolar protein sorting 52 homolog (<i>S. cerevisiae</i>)	ENSG00000223501	U
VPS53	vacuolar protein sorting 53 homolog (<i>S. cerevisiae</i>)	ENSG00000141252	D
VPS72	vacuolar protein sorting 72 homolog (<i>S. cerevisiae</i>)	ENSG00000163159	U
VRTN	vertebrae development homolog (pig)	ENSG00000133980	D
VSIG4	V-set and immunoglobulin domain containing 4	ENSG00000155659	U
VSTM4	V-set and transmembrane domain containing 4	ENSG00000165633	D
VSX1	visual system homeobox 1	ENSG00000100987	D
VTI1	Vps20-associated 1 homolog (<i>S. cerevisiae</i>)	ENSG00000009844	U
VTI1B	vesicle transport through interaction with t-SNAREs homolog 1B (yeast)	ENSG00000100568	U
VWA1	von Willebrand factor A domain containing 1	ENSG00000179403	U
VWA3B	von Willebrand factor A domain containing 3B	ENSG00000168658	D
VWA5B1	von Willebrand factor A domain containing 5B1	ENSG00000158816	D
VWA7	von Willebrand factor A domain containing 7	ENSG00000204396	D
VWC2	von Willebrand factor C domain containing 2	ENSG00000188730	D
WAC	WW domain containing adaptor with coiled-coil	ENSG00000095787	U
WAS	Wiskott-Aldrich syndrome	ENSG00000015285	U
WASF1	WAS protein family, member 1	ENSG00000112290	D
WASF2	WAS protein family, member 2	ENSG00000158195	U
WASF3	WAS protein family, member 3	ENSG00000132970	D

WASH3P	WAS protein family homolog 3 pseudogene	NA	U
WBP1	WW domain binding protein 1	ENSG00000239779	U
WBP11	WW domain binding protein 11	ENSG00000084463	D
WBP1L	WW domain binding protein 1-like	ENSG00000166272	U
WBP2NL	WBP2 N-terminal like	ENSG00000183066	D
WBP4	WW domain binding protein 4 (formin binding protein 21)	ENSG00000120688	U
WBSCR22	Williams Beuren syndrome chromosome region 22	ENSG00000071462	U
WBSCR28	Williams-Beuren syndrome chromosome region 28	ENSG00000175877	D
WDFY1	WD repeat and FYVE domain containing 1	ENSG00000085449	U
WDHD1	WD repeat and HMG-box DNA binding protein 1	ENSG00000198554	D
WDPCP	WD repeat containing planar cell polarity effector	ENSG00000143951	D
WDR1	WD repeat domain 1	ENSG00000071127	U
WDR12	WD repeat domain 12	ENSG00000138442	U
WDR13	WD repeat domain 13	ENSG00000101940	U
WDR18	WD repeat domain 18	ENSG00000065268	U
WDR3	WD repeat domain 3	ENSG00000065183	D
WDR35	WD repeat domain 35	ENSG00000118965	D
WDR45L	WDR45-like	ENSG00000141580	U
WDR46	WD repeat domain 46	ENSG00000227057	U
WDR48	WD repeat domain 48	ENSG00000114742	U
WDR59	WD repeat domain 59	ENSG00000103091	U
WDR61	WD repeat domain 61	ENSG00000140395	U
WDR63	WD repeat domain 63	ENSG00000162643	D
WDR66	WD repeat domain 66	ENSG00000158023	D
WDR69	WD repeat domain 69	ENSG00000123977	D
WDR75	WD repeat domain 75	ENSG00000115368	U
WDR76	WD repeat domain 76	ENSG00000092470	D
WDR78	WD repeat domain 78	ENSG00000152763	D
WDR82	WD repeat domain 82	ENSG00000164091	U
WDR88	WD repeat domain 88	ENSG00000166359	D

WDR90	WD repeat domain 90	ENSG00000161996	D
WDR91	WD repeat domain 91	ENSG00000105875	U
WDR93	WD repeat domain 93	ENSG00000140527	D
WDSUB1	WD repeat, sterile alpha motif and U-box domain containing 1	ENSG00000196151	U
WEE1	WEE1 homolog (S. pombe)	ENSG00000166483	U
WFDC1	WAP four-disulfide core domain 1	ENSG00000103175	U
WFDC10B	WAP four-disulfide core domain 10B	ENSG00000182931	D
WFDC12	WAP four-disulfide core domain 12	ENSG00000168703	D
WFDC13	WAP four-disulfide core domain 13	ENSG00000168634	D
WFDC2	WAP four-disulfide core domain 2	ENSG00000101443	D
WFDC3	WAP four-disulfide core domain 3	ENSG00000124116	D
WFDC5	WAP four-disulfide core domain 5	ENSG00000175121	D
WFDC6	WAP four-disulfide core domain 6	ENSG00000243543	D
WFDC8	WAP four-disulfide core domain 8	ENSG00000158901	D
WFDC9	WAP four-disulfide core domain 9	ENSG00000180205	D
WFIKKN1	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 1	ENSG00000127578	D
WFIKKN2	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2	ENSG00000173714	D
WHSC1	Wolf-Hirschhorn syndrome candidate 1	ENSG00000109685	D
WHSC2	Wolf-Hirschhorn syndrome candidate 2	ENSG00000185049	U
WIBG	within bgcn homolog (Drosophila)	ENSG00000170473	U
WIF1	WNT inhibitory factor 1	ENSG00000156076	D
WIPI1	WD repeat domain, phosphoinositide interacting 1	ENSG00000070540	U
WIPI2	WD repeat domain, phosphoinositide interacting 2	ENSG00000157954	D
WISP1	WNT1 inducible signaling pathway protein 1	ENSG00000104415	D
WISP2	WNT1 inducible signaling pathway protein 2	ENSG00000064205	D
WISP3	WNT1 inducible signaling pathway protein 3	ENSG00000112761	D
WNK3	WNK lysine deficient protein kinase 3	ENSG00000196632	D
WNK4	WNK lysine deficient protein kinase 4	ENSG00000126562	D

WNT10B	wingless-type MMTV integration site family, member 10B	ENSG00000169884	D
WNT16	wingless-type MMTV integration site family, member 16	ENSG00000002745	D
WNT3	wingless-type MMTV integration site family, member 3	ENSG00000108379	D
WNT3A	wingless-type MMTV integration site family, member 3A	ENSG00000154342	U
WNT7B	wingless-type MMTV integration site family, member 7B	ENSG00000188064	D
WNT8B	wingless-type MMTV integration site family, member 8B	ENSG00000075290	D
WNT9A	wingless-type MMTV integration site family, member 9A	ENSG00000143816	D
WNT9B	wingless-type MMTV integration site family, member 9B	ENSG00000158955	D
WRNIP1	Werner helicase interacting protein 1	ENSG00000124535	U
WSB1	WD repeat and SOCS box containing 1	ENSG00000109046	U
WSCD2	WSC domain containing 2	ENSG00000075035	D
WT1-AS	WT1 antisense RNA	NA	D
WWC1	WW and C2 domain containing 1	ENSG00000113645	U
WWC2	WW and C2 domain containing 2	ENSG00000151718	D
WWC2-AS2	WWC2 antisense RNA 2	NA	D
WWC3	WWC family member 3	ENSG00000047644	U
WWP1	WW domain containing E3 ubiquitin protein ligase 1	ENSG00000123124	U
XAB2	XPA binding protein 2	ENSG00000076924	U
XAF1	XIAP associated factor 1	ENSG00000132530	U
XAGE3	X antigen family, member 3	ENSG00000171402	U
XCL1	chemokine (C motif) ligand 1	ENSG00000143184	D
XG	Xg blood group	ENSG00000124343	D
XKR3	XK, Kell blood group complex subunit-related family, member 3	ENSG00000172967	D
XKR4	XK, Kell blood group complex subunit-related family, member 4	ENSG00000206579	D
XKR5	XK, Kell blood group complex subunit-related family, member 5	NA	D
XPC	xeroderma pigmentosum, complementation group C	ENSG00000154767	U
XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	ENSG00000108039	U
XPNPEP3	X-prolyl aminopeptidase (aminopeptidase P) 3, putative	ENSG00000196236	D
XPO1	exportin 1 (CRM1 homolog, yeast)	ENSG00000082898	U
XPO6	exportin 6	ENSG00000169180	U

XPO7	exportin 7	ENSG00000130227	D
XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	ENSG00000184575	U
XPR1	xenotropic and polytropic retrovirus receptor 1	ENSG00000143324	U
XRCC2	X-ray repair complementing defective repair in Chinese hamster cells 2	ENSG00000196584	D
XRCC4	X-ray repair complementing defective repair in Chinese hamster cells 4	ENSG00000152422	D
XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6	ENSG00000196419	U
XXYLT1	xyloside xylosyltransferase 1	ENSG00000173950	U
XYLB	xylulokinase homolog (H. influenzae)	ENSG00000093217	D
XYLT1	xylosyltransferase I	ENSG00000103489	D
XYLT2	xylosyltransferase II	ENSG00000015532	U
YARS	tyrosyl-tRNA synthetase	ENSG00000134684	U
YARS2	tyrosyl-tRNA synthetase 2, mitochondrial	ENSG00000139131	U
YBX2	Y box binding protein 2	ENSG00000006047	D
YEATS2	YEATS domain containing 2	ENSG00000163872	U
YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	ENSG00000176105	U
YIPF1	Yip1 domain family, member 1	ENSG00000058799	U
YIPF2	Yip1 domain family, member 2	ENSG00000130733	U
YIPF4	Yip1 domain family, member 4	ENSG00000119820	U
YIPF7	Yip1 domain family, member 7	ENSG00000177752	D
YME1L1	YME1-like 1 (S. cerevisiae)	ENSG00000136758	U
YPEL2	yippee-like 2 (Drosophila)	ENSG00000175155	U
YPEL3	yippee-like 3 (Drosophila)	ENSG00000090238	U
YTHDC1	YTH domain containing 1	ENSG00000083896	U
YTHDF1	YTH domain family, member 1	ENSG00000149658	U
YTHDF2	YTH domain family, member 2	ENSG00000198492	U
YTHDF3	YTH domain family, member 3	NA	U
YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	ENSG00000166913	U
YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	ENSG00000170027	U

	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation		
YWHAZ	protein, zeta polypeptide	ENSG00000164924	U
YY1AP1	YY1 associated protein 1	ENSG00000163374	U
ZAN	zonadhesin	ENSG00000146839	D
ZAR1	zygote arrest 1	ENSG00000182223	D
ZBBX	zinc finger, B-box domain containing	ENSG00000169064	D
ZBED2	zinc finger, BED-type containing 2	ENSG00000177494	D
ZBED5	zinc finger, BED-type containing 5	ENSG00000236287	U
ZBTB1	zinc finger and BTB domain containing 1	ENSG00000126804	D
ZBTB12	zinc finger and BTB domain containing 12	ENSG00000204366	D
ZBTB17	zinc finger and BTB domain containing 17	ENSG00000116809	U
ZBTB22	zinc finger and BTB domain containing 22	ENSG00000236104	U
ZBTB3	zinc finger and BTB domain containing 3	ENSG00000185670	U
ZBTB32	zinc finger and BTB domain containing 32	ENSG00000011590	D
ZBTB33	zinc finger and BTB domain containing 33	ENSG00000177485	U
ZBTB37	zinc finger and BTB domain containing 37	ENSG00000185278	D
ZBTB4	zinc finger and BTB domain containing 4	ENSG00000174282	U
ZBTB43	zinc finger and BTB domain containing 43	ENSG00000169155	U
ZBTB6	zinc finger and BTB domain containing 6	ENSG00000186130	D
ZBTB8OS	zinc finger and BTB domain containing 8 opposite strand	ENSG00000176261	D
ZC3H7A	zinc finger CCCH-type containing 7A	ENSG00000122299	U
ZC3H7B	zinc finger CCCH-type containing 7B	ENSG00000100403	D
ZC3HAV1L	zinc finger CCCH-type, antiviral 1-like	ENSG00000146858	D
ZC3HC1	zinc finger, C3HC-type containing 1	ENSG00000091732	U
ZC4H2	zinc finger, C4H2 domain containing	ENSG00000126970	D
ZCCHC10	zinc finger, CCHC domain containing 10	ENSG00000155329	D
ZCCHC11	zinc finger, CCHC domain containing 11	ENSG00000134744	U
ZCCHC12	zinc finger, CCHC domain containing 12	ENSG00000174460	D
ZCCHC13	zinc finger, CCHC domain containing 13	ENSG00000187969	D
ZCCHC17	zinc finger, CCHC domain containing 17	ENSG00000121766	U

ZCCHC24	zinc finger, CCHC domain containing 24	ENSG00000165424	U
ZCCHC3	zinc finger, CCHC domain containing 3	ENSG00000177764	U
ZCCHC5	zinc finger, CCHC domain containing 5	ENSG00000179300	D
ZCCHC6	zinc finger, CCHC domain containing 6	ENSG00000083223	U
ZCCHC8	zinc finger, CCHC domain containing 8	ENSG00000033030	U
ZCCHC9	zinc finger, CCHC domain containing 9	ENSG00000131732	U
ZDHH1	zinc finger, DHHC-type containing 1	ENSG00000159714	U
ZDHH12	zinc finger, DHHC-type containing 12	ENSG00000160446	U
ZDHH14	zinc finger, DHHC-type containing 14	ENSG00000175048	U
ZDHH15	zinc finger, DHHC-type containing 15	ENSG00000102383	D
ZDHH16	zinc finger, DHHC-type containing 16	ENSG00000171307	U
ZDHH21	zinc finger, DHHC-type containing 21	ENSG00000175893	D
ZDHH22	zinc finger, DHHC-type containing 22	ENSG00000177108	D
ZDHH3	zinc finger, DHHC-type containing 3	ENSG00000163812	U
ZDHH5	zinc finger, DHHC-type containing 5	ENSG00000156599	U
ZDHH6	zinc finger, DHHC-type containing 6	ENSG00000023041	U
ZDHH7	zinc finger, DHHC-type containing 7	ENSG00000153786	U
ZDHH8	zinc finger, DHHC-type containing 8	ENSG00000099904	U
ZFAND2A	zinc finger, AN1-type domain 2A	ENSG00000178381	U
ZFAND2B	zinc finger, AN1-type domain 2B	ENSG00000158552	U
ZFAND3	zinc finger, AN1-type domain 3	ENSG00000156639	U
ZFAND4	zinc finger, AN1-type domain 4	ENSG00000172671	D
ZFAND6	zinc finger, AN1-type domain 6	ENSG00000086666	U
ZFH2	zinc finger homeobox 2	ENSG00000136367	D
ZFH3	zinc finger homeobox 3	ENSG00000140836	U
ZFP106	zinc finger protein 106 homolog (mouse)	ENSG00000103994	U
ZFP28	zinc finger protein 28 homolog (mouse)	ENSG00000196867	D
ZFP36L1	zinc finger protein 36, C3H type-like 1	ENSG00000185650	U
ZFP41	zinc finger protein 41 homolog (mouse)	ENSG00000181638	D
ZFP91	zinc finger protein 91 homolog (mouse)	ENSG00000255073	U

ZFR	zinc finger RNA binding protein	ENSG00000056097	U
ZFY	zinc finger protein, Y-linked	ENSG00000067646	D
ZFYVE19	zinc finger, FYVE domain containing 19	ENSG00000166140	U
ZFYVE20	zinc finger, FYVE domain containing 20	ENSG00000131381	U
ZFYVE21	zinc finger, FYVE domain containing 21	ENSG00000100711	U
ZFYVE28	zinc finger, FYVE domain containing 28	ENSG00000159733	D
ZFYVE9	zinc finger, FYVE domain containing 9	ENSG00000157077	D
ZG16B	zymogen granule protein 16 homolog B (rat)	ENSG00000162078	D
ZIC2	Zic family member 2	ENSG00000043355	D
ZIC3	Zic family member 3	ENSG00000156925	D
ZIM2	zinc finger, imprinted 2	ENSG00000259486	D
ZIM3	zinc finger, imprinted 3	ENSG00000141946	D
ZKSCAN5	zinc finger with KRAB and SCAN domains 5	ENSG00000196652	D
ZMAT2	zinc finger, matrin-type 2	ENSG00000146007	U
ZMAT3	zinc finger, matrin-type 3	ENSG00000172667	U
ZMPSTE24	zinc metalloproteinase STE24 homolog (<i>S. cerevisiae</i>)	ENSG00000084073	U
ZMYM4	zinc finger, MYM-type 4	ENSG00000146463	U
ZMYM6	zinc finger, MYM-type 6	ENSG00000163867	U
ZMYND10	zinc finger, MYND-type containing 10	ENSG00000004838	D
ZNF101	zinc finger protein 101	ENSG00000181896	D
ZNF107	zinc finger protein 107	ENSG00000196247	D
ZNF121	zinc finger protein 121	ENSG00000197961	D
ZNF124	zinc finger protein 124	ENSG00000196418	D
ZNF141	zinc finger protein 141	ENSG00000131127	D
ZNF143	zinc finger protein 143	ENSG00000166478	U
ZNF148	zinc finger protein 148	ENSG00000163848	U
ZNF167	zinc finger protein 167	ENSG00000196345	D
ZNF169	zinc finger protein 169	ENSG00000175787	D
ZNF181	zinc finger protein 181	ENSG00000197841	D
ZNF185	zinc finger protein 185 (LIM domain)	ENSG00000147394	U

ZNF19	zinc finger protein 19	ENSG00000157429	D
ZNF193	zinc finger protein 193	ENSG00000137185	U
ZNF197	zinc finger protein 197	ENSG00000186448	D
ZNF208	zinc finger protein 208	ENSG00000160321	D
ZNF211	zinc finger protein 211	ENSG00000121417	U
ZNF212	zinc finger protein 212	ENSG00000170260	U
ZNF214	zinc finger protein 214	ENSG00000149050	D
ZNF215	zinc finger protein 215	ENSG00000149054	D
ZNF217	zinc finger protein 217	ENSG00000171940	U
ZNF22	zinc finger protein 22	ENSG00000165512	U
ZNF222	zinc finger protein 222	ENSG00000159885	D
ZNF223	zinc finger protein 223	ENSG00000178386	U
ZNF225	zinc finger protein 225	ENSG00000256294	D
ZNF233	zinc finger protein 233	ENSG00000159915	D
ZNF248	zinc finger protein 248	ENSG00000198105	D
ZNF253	zinc finger protein 253	ENSG00000256771	D
ZNF257	zinc finger protein 257	ENSG00000197134	D
ZNF263	zinc finger protein 263	ENSG00000006194	U
ZNF267	zinc finger protein 267	ENSG00000185947	D
ZNF273	zinc finger protein 273	ENSG00000198039	D
ZNF280C	zinc finger protein 280C	ENSG00000056277	D
ZNF281	zinc finger protein 281	ENSG00000162702	U
ZNF282	zinc finger protein 282	ENSG00000170265	U
ZNF30	zinc finger protein 30	ENSG00000168661	D
ZNF300	zinc finger protein 300	ENSG00000145908	D
ZNF302	zinc finger protein 302	ENSG00000089335	D
ZNF311	zinc finger protein 311	ENSG00000197935	D
ZNF319	zinc finger protein 319	ENSG00000166188	U
ZNF326	zinc finger protein 326	ENSG00000162664	D
ZNF329	zinc finger protein 329	ENSG00000181894	U

ZNF33A	zinc finger protein 33A	ENSG00000189180	D
ZNF347	zinc finger protein 347	ENSG00000197937	D
ZNF354C	zinc finger protein 354C	ENSG00000177932	D
ZNF358	zinc finger protein 358	ENSG00000198816	U
ZNF362	zinc finger protein 362	ENSG00000160094	U
ZNF365	zinc finger protein 365	ENSG00000138311	D
ZNF382	zinc finger protein 382	ENSG00000161298	D
ZNF385A	zinc finger protein 385A	ENSG00000161642	U
ZNF385B	zinc finger protein 385B	ENSG00000144331	D
ZNF385D	zinc finger protein 385D	ENSG00000151789	D
ZNF395	zinc finger protein 395	ENSG00000186918	U
ZNF404	zinc finger protein 404	NA	D
ZNF407	zinc finger protein 407	ENSG00000215421	D
ZNF41	zinc finger protein 41	ENSG00000147124	D
ZNF410	zinc finger protein 410	ENSG00000119725	U
ZNF420	zinc finger protein 420	ENSG00000197050	D
ZNF423	zinc finger protein 423	ENSG00000102935	D
ZNF43	zinc finger protein 43	ENSG00000198521	D
ZNF430	zinc finger protein 430	ENSG00000118620	D
ZNF431	zinc finger protein 431	ENSG00000196705	D
ZNF441	zinc finger protein 441	ENSG00000197044	D
ZNF442	zinc finger protein 442	ENSG00000198342	D
ZNF443	zinc finger protein 443	ENSG00000180855	D
ZNF445	zinc finger protein 445	ENSG00000185219	D
ZNF449	zinc finger protein 449	ENSG00000173275	D
ZNF454	zinc finger protein 454	ENSG00000178187	D
ZNF468	zinc finger protein 468	ENSG00000204604	U
ZNF473	zinc finger protein 473	ENSG00000142528	D
ZNF48	zinc finger protein 48	ENSG00000180035	D
ZNF483	zinc finger protein 483	ENSG00000173258	D

ZNF485	zinc finger protein 485	ENSG00000198298	D
ZNF490	zinc finger protein 490	ENSG00000188033	D
ZNF491	zinc finger protein 491	ENSG00000177599	D
ZNF493	zinc finger protein 493	ENSG00000196268	D
ZNF497	zinc finger protein 497	ENSG00000174586	D
ZNF501	zinc finger protein 501	ENSG00000186446	D
ZNF511	zinc finger protein 511	ENSG00000198546	U
ZNF512	zinc finger protein 512	ENSG00000243943	U
ZNF513	zinc finger protein 513	ENSG00000163795	U
ZNF517	zinc finger protein 517	ENSG00000197363	D
ZNF518B	zinc finger protein 518B	ENSG00000178163	U
ZNF519	zinc finger protein 519	ENSG00000175322	D
ZNF524	zinc finger protein 524	ENSG00000171443	U
ZNF526	zinc finger protein 526	ENSG00000167625	U
ZNF528	zinc finger protein 528	ENSG00000167555	D
ZNF530	zinc finger protein 530	ENSG00000183647	D
ZNF536	zinc finger protein 536	ENSG00000198597	D
ZNF540	zinc finger protein 540	ENSG00000171817	D
ZNF542	zinc finger protein 542	NA	D
ZNF544	zinc finger protein 544	ENSG00000198131	U
ZNF546	zinc finger protein 546	ENSG00000187187	D
ZNF547	zinc finger protein 547	ENSG00000152433	D
ZNF556	zinc finger protein 556	ENSG00000172000	D
ZNF560	zinc finger protein 560	ENSG00000198028	D
ZNF561	zinc finger protein 561	ENSG00000171469	D
ZNF568	zinc finger protein 568	ENSG00000198453	D
ZNF571	zinc finger protein 571	ENSG00000180479	D
ZNF572	zinc finger protein 572	ENSG00000180938	D
ZNF577	zinc finger protein 577	ENSG00000161551	D
ZNF581	zinc finger protein 581	ENSG00000171425	U

ZNF582	zinc finger protein 582	ENSG00000018869	D
ZNF593	zinc finger protein 593	ENSG00000142684	U
ZNF596	zinc finger protein 596	ENSG00000172748	D
ZNF598	zinc finger protein 598	ENSG00000167962	D
ZNF608	zinc finger protein 608	ENSG00000168916	D
ZNF610	zinc finger protein 610	ENSG00000167554	D
ZNF620	zinc finger protein 620	ENSG00000177842	D
ZNF622	zinc finger protein 622	ENSG00000173545	U
ZNF623	zinc finger protein 623	ENSG00000183309	D
ZNF639	zinc finger protein 639	ENSG00000121864	D
ZNF642	zinc finger protein 642	ENSG00000187815	D
ZNF643	zinc finger protein 643	ENSG00000187801	D
ZNF645	zinc finger protein 645	ENSG00000175809	D
ZNF653	zinc finger protein 653	ENSG00000161914	U
ZNF660	zinc finger protein 660	ENSG00000144792	D
ZNF664	zinc finger protein 664	ENSG00000179195	U
ZNF665	zinc finger protein 665	ENSG00000197497	D
ZNF667	zinc finger protein 667	ENSG00000198046	D
ZNF669	zinc finger protein 669	ENSG00000188295	D
ZNF670	zinc finger protein 670	ENSG00000135747	D
ZNF672	zinc finger protein 672	ENSG00000171161	U
ZNF675	zinc finger protein 675	ENSG00000197372	D
ZNF676	zinc finger protein 676	ENSG00000196109	D
ZNF678	zinc finger protein 678	ENSG00000181450	D
ZNF681	zinc finger protein 681	ENSG00000196172	D
ZNF684	zinc finger protein 684	ENSG00000117010	D
ZNF689	zinc finger protein 689	ENSG00000156853	U
ZNF695	zinc finger protein 695	ENSG00000197472	D
ZNF7	zinc finger protein 7	ENSG00000147789	U
ZNF70	zinc finger protein 70	ENSG00000187792	D

ZNF703	zinc finger protein 703	ENSG00000183779	U
ZNF704	zinc finger protein 704	ENSG00000164684	D
ZNF706	zinc finger protein 706	ENSG00000120963	U
ZNF708	zinc finger protein 708	ENSG00000182141	D
ZNF709	zinc finger protein 709	ENSG00000196826	D
ZNF71	zinc finger protein 71	ENSG00000197951	D
ZNF710	zinc finger protein 710	ENSG00000140548	D
ZNF711	zinc finger protein 711	ENSG00000147180	D
ZNF714	zinc finger protein 714	ENSG00000160352	D
ZNF746	zinc finger protein 746	ENSG00000181220	U
ZNF747	zinc finger protein 747	ENSG00000169955	D
ZNF750	zinc finger protein 750	ENSG00000141579	U
ZNF770	zinc finger protein 770	ENSG00000198146	U
ZNF771	zinc finger protein 771	ENSG00000179965	D
ZNF772	zinc finger protein 772	ENSG00000197128	D
ZNF777	zinc finger protein 777	ENSG00000196453	U
ZNF780A	zinc finger protein 780A	ENSG00000197782	D
ZNF780B	zinc finger protein 780B	ENSG00000128000	D
ZNF781	zinc finger protein 781	ENSG00000196381	D
ZNF786	zinc finger protein 786	ENSG00000197362	U
ZNF787	zinc finger protein 787	ENSG00000142409	U
ZNF790	zinc finger protein 790	ENSG00000197863	D
ZNF8	zinc finger protein 8	ENSG00000083842	D
ZNF80	zinc finger protein 80	ENSG00000174255	D
ZNF804A	zinc finger protein 804A	ENSG00000170396	D
ZNF829	zinc finger protein 829	ENSG00000185869	D
ZNF83	zinc finger protein 83	ENSG00000167766	U
ZNF85	zinc finger protein 85	ENSG00000105750	D
ZNF91	zinc finger protein 91	ENSG00000167232	U
ZNF92	zinc finger protein 92	ENSG00000146757	D

ZNFX1	zinc finger, NFX1-type containing 1	ENSG00000124201	U
ZNHIT1	zinc finger, HIT-type containing 1	ENSG00000106400	U
ZNRF1	zinc and ring finger 1, E3 ubiquitin protein ligase	ENSG00000186187	D
ZNRF2	zinc and ring finger 2	ENSG00000180233	D
ZP1	zona pellucida glycoprotein 1 (sperm receptor)	ENSG00000149506	D
ZP4	zona pellucida glycoprotein 4	ENSG00000116996	D
ZPBP	zona pellucida binding protein	ENSG00000042813	D
ZPBP2	zona pellucida binding protein 2	ENSG00000186075	D
ZRANB1	zinc finger, RAN-binding domain containing 1	ENSG00000019995	U
ZRANB2	zinc finger, RAN-binding domain containing 2	ENSG00000132485	U
ZRANB3	zinc finger, RAN-binding domain containing 3	ENSG00000121988	D
ZSCAN10	zinc finger and SCAN domain containing 10	ENSG00000130182	D
ZSCAN12	zinc finger and SCAN domain containing 12	ENSG00000158691	D
ZSCAN22	zinc finger and SCAN domain containing 22	ENSG00000182318	D
ZSWIM1	zinc finger, SWIM-type containing 1	ENSG00000168612	U
ZSWIM2	zinc finger, SWIM-type containing 2	ENSG00000163012	D
ZSWIM3	zinc finger, SWIM-type containing 3	ENSG00000132801	D
ZWILCH	Zwilch, kinetochore associated, homolog (Drosophila)	ENSG00000174442	D
ZXDA	zinc finger, X-linked, duplicated A	ENSG00000198205	D
ZYG11B	zyg-11 homolog B (C. elegans)	ENSG00000162378	U
ZZEF1	zinc finger, ZZ-type with EF-hand domain 1	ENSG00000074755	U