

SeqId	Target	Target.N ame	Target.Full.Name	Entrez.G		Entrez		Above_L oD	CV_P PS	CV_Bla nk	CV_Bi o	CV_H1H2
				UniProt.I D	ene.Na me	.Gene. ID						
10000-28	CRBB2	CRBB2	Beta-crystallin B2	P43320	CRYBB2	1415	TRUE	0.08	0.123	1.819	0.05222	
10006-25	ELK1	ELK1	ETS domain-containing protein Elk-1	P19419	ELK1	2002	TRUE	0.09	0.089	1.448	0.050394	
10008-43	GUC1A	GUC1A	Guanylyl cyclase-activating protein 1	P43080	GUCA1A	2978	TRUE	0.06	0.1312	0.139	0.02956	
10010-10	BECN1	BECN1	Beclin-1	Q14457	BECN1	8678	TRUE	0.09	0.0702	0.457	0.120545	
10011-65	OCRL	OCRL	Inositol polyphosphate 5-phosphatase OCRL-1	Q01968	OCRL	4952	TRUE	0.12	0.1374	0.189	0.026102	
10012-5	SPDEF	SPDEF	SAM pointed domain-containing Ets transcription factor	O95238	SPDEF	25803	TRUE	0.2	0.1189	0.149	0.030149	
10014-31	SLUG	SLUG	Zinc finger protein SNAI2	O43623	SNAI2	6591	TRUE	0.09	0.0883	0.842	0.052519	
10015-119	KCAB2	KCAB2	Voltage-gated potassium channel subunit beta-2	Q13303	KCNAB2	8514	TRUE	0.09	0.1538	0.239	0.058921	
10023-32	VDR	VDR	Vitamin D3 receptor	P11473	VDR	7421	TRUE	0.29	0.3122	0.175	0.046454	
10025-1	DLDH	DLDH	Dihydrolipoyl dehydrogenase, mitochondrial	P09622	DLD	1738	TRUE	0.1	0.9566	0.194	0.027182	
10035-6	DUS4	DUS4	Dual specificity protein phosphatase 4	Q13115	DUSP4	1846	TRUE	0.07	0.0765	5.305	0.098838	
10036-201	ZHX3	ZHX3	Zinc fingers and homeoboxes protein 3	Q9H4I2	ZHX3	23051	TRUE	0.17	0.2557	0.16	0.035265	
10039-32	PNP	PNP	Purine nucleoside phosphorylase	P00491	PNP	4860	TRUE	0.1	5.0805	0.699	0.084059	
10040-63	P73L	P73L	Tumor protein 63	Q9H3D4	TP63	8626	TRUE	0.11	0.1346	2.812	0.021679	
10041-3	HNF4A	HNF4A	Hepatocyte nuclear factor 4-alpha	P41235	HNF4A	3172	TRUE	0.13	0.3781	0.409	0.048889	
10046-55	clAP-1	clAP-1	Baculoviral IAP repeat-containing protein 2	Q13490	BIRC2	329	TRUE	0.11	0.1162	0.89	0.064698	
10047-12	NCF-2	NCF-2	Neutrophil cytosol factor 2	P19878	NCF2	4688	TRUE	0.18	0.15	0.325	0.053224	
10048-7	PEBB	PEBB	Core-binding factor subunit beta	Q13951	CBFB	865	TRUE	0.17	0.2227	0.223	0.031498	
10053-5	ILK1	ILK1	Integrin-linked protein kinase	Q13418	ILK	3611	TRUE	0.09	0.2534	0.903	0.051343	
10054-3	GAN	GAN	Gigaxonin	Q9H2C0	GAN	8139	TRUE	0.13	0.2944	3.955	0.024896	
10056-5	FOXM1	FOXM1	Forkhead box protein M1	Q08050	FOXM1	2305	TRUE	0.15	0.076	0.538	0.035088	
10058-1	RD23A	RD23A	UV excision repair protein RAD23 homolog A	P54725	RAD23A	5886	TRUE	0.1	0.1676	0.416	0.049333	

10063-10	FANCL	FANCL	E3 ubiquitin-protein ligase FANCL	Q9NW38	FANCL	55120	TRUE	0.07	0.1501	0.925	0.026022
10064-12	RBBP9	RBBP9	Putative hydrolase Peptidyl-prolyl cis-trans isomerase NIMA- interacting 1	O75884	RBBP9	10741	TRUE	0.13	0.0862	1.596	0.05501
10069-2	PIN1	PIN1	1-phosphatidylinositol 4,5- bisphosphate phosphodiesterase	Q13526	PIN1	5300	TRUE	0.1	0.0996	0.201	0.051874
10070-22	PLCG2	PLCG2	gamma-2 Tyrosyl-DNA phosphodiesterase 1	P16885	PLCG2	5336	TRUE	0.17	0.1381	0.508	0.061162
10073-22	TYDP1	TYDP1	Bromodomain-containing protein 2	Q9NUW8	TDP1	55775	TRUE	0.08	0.1196	0.256	0.071668
10074-128	BRD2	BRD2	AP-4 complex subunit mu- 1	P25440	BRD2	6046	TRUE	0.1	0.0988	0.201	0.09314
10076-1	AP4M1	AP4M1	Translation initiation factor eIF-2B subunit alpha	O00189	AP4M1	9179	TRUE	0.07	0.2115	0.464	0.055854
10080-9	EI2BA	EI2BA	DNA-binding protein SATB2	Q14232	EIF2B1	1967	TRUE	0.21	0.1615	0.756	0.036433
10081-17	SATB2	SATB2	Neurofilament light polypeptide	Q9UPW6	SATB2	23314	TRUE	0.13	0.2361	0.148	0.066428
10082-251	NFL	NFL	Steroidogenic acute regulatory protein, mitochondrial	P07196	NEFL	4747	TRUE	0.22	0.4509	0.291	0.063969
10085-25	STAR	STAR	Cystathionine beta- synthase	P49675	STAR	6770	TRUE	0.23	0.2799	0.121	0.131641
10086-39	CBS	CBS	Alpha crystallin n A	P35520	CBS	4560	TRUE	0.1	0.0865	2.802	0.044066
10087-10	Alpha crystallin A chain	Alpha crystallin n A chain	Alpha-crystallin A chain			10272					
10088-37	APT	APT	Adenine phosphoribosyltransferase	P07741	APRT	353	TRUE	0.12	0.2751	0.978	0.05625
10089-7	ASML	ASML	N-acetylserotonin O- methyltransferase-like protein	O95671	ASMTL	8623	TRUE	0.09	0.1287	0.377	0.097081
10339-48	NSE	NSE	Gamma-enolase	P09104	ENO2	2026	TRUE	0.1	0.1627	0.47	0.081946
10344-334	IL-10 Ra	IL-10 Ra	Interleukin-10 receptor subunit alpha	Q13651	IL10RA	3587	TRUE	0.17	0.1387	0.19	0.035884
10346-5	STAT3	STAT3	Signal transducer and activator of transcription 3	P40763	STAT3	6774	TRUE	0.07	0.2184	0.798	0.059756
10351-51	IRF1	IRF1	Interferon regulatory factor 1	P10914	IRF1	3659	TRUE	0.11	0.2279	1.035	0.068811
10354-57	STAT3	STAT3	Signal transducer and activator of transcription 3	P40763	STAT3	6774	TRUE	0.12	0.1424	1.069	0.045939

10356-21	c-Jun	c-Jun	Transcription factor AP-1	P05412	JUN	3725	TRUE	0.18	0.214	0.323	0.057824
10362-35	c-Myc	c-Myc	Myc proto-oncogene protein	P01106	MYC	4609	TRUE	0.11	0.1742	0.774	0.072407
10363-13	SMAD3	SMAD3	Mothers against decapentaplegic homolog 3	P84022	SMAD3	4088	TRUE	0.07	0.1285	2.66	0.048615
10364-6	SMAD2	SMAD2	Mothers against decapentaplegic homolog 2	Q15796	SMAD2	4087	TRUE	0.05	0.0729	0.837	0.030929
10365-132	IL-23	IL-23	Interleukin-23	Q9NPF7 P29460	IL23A IL12B	51561 3593	TRUE	0.08	0.1575	0.288	0.074751
10366-11	PDGFRA	PDGFRA	Platelet-derived growth factor receptor alpha	P16234	PDGFRA	5156	TRUE	0.07	0.1155	0.493	0.026912
10367-62	IL-12	IL-12	Interleukin-12	P29460 P29459	IL12B IL12A	3593 3592	TRUE	0.1	0.1043	0.219	0.10835
10370-21	STAT1	STAT1	Signal transducer and activator of transcription 1-alpha/beta	P42224	STAT1	6772	TRUE	0.16	0.1679	0.71	0.055585
10372-18	STAT6	STAT6	Signal transducer and activator of transcription 6	P42226	STAT6	6778	TRUE	0.05	0.1627	0.764	0.033182
10390-21	ZNRF3	ZNRF3	E3 ubiquitin-protein ligase ZNRF3	Q9ULT6	ZNRF3	84133	TRUE	0.1	0.159	0.497	0.062867
10391-1	ANGL3	ANGL3	Angiopietin-related protein 3	Q9Y5C1	ANGPTL3	27329	TRUE	0.23	0.6439	0.323	0.115351
10396-6	Mcl-1	Mcl-1	Induced myeloid leukemia cell differentiation protein Mcl-1	Q07820	MCL1	4170	TRUE	0.09	0.1149	3.205	0.06687
10398-110	ANKR1	ANKR1	Ankyrin repeat domain-containing protein 1	Q15327	ANKRD1	27063	TRUE	0.1	0.1724	0.759	0.11112
10419-1	SCAR5	SCAR5	Scavenger receptor class A member 5	Q6ZMJ2	SCARA5	28613 3	TRUE	0.07	0.1798	0.404	0.042668
10428-1	KI2S2	KI2S2	Killer cell immunoglobulin-like receptor 2DS2	P43631	KIR2DS2	10013 2285	TRUE	0.1	0.4587	0.643	0.084504
10435-2	ASPG	ASPG	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase	P20933	AGA	175	TRUE	0.12	0.1263	0.193	0.052555
10438-19	CSF2R	CSF2R	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	P15509	CSF2RA	1438	TRUE	0.13	0.0961	0.222	0.039211
10439-57	Alpha-amylase 2B	Alpha-amylase 2B	Alpha-amylase 2B	P19961	AMY2B	280	TRUE	0.06	0.1045	0.33	0.064057
10440-26	ACAM	ACAM:E CD	CXADR-like membrane protein:Extracellular domain	Q9H6B4	CLMP	79827	TRUE	0.07	0.1072	0.244	0.086474

10442-1	TM190	TM190	Transmembrane protein 190	Q8WZ59	TMEM1	14774	90	4	TRUE	0.12	0.1641	0.368	0.098777
10447-18	PABP3	PABP3	Polyadenylate-binding protein 3	Q9H361	PABPC3	5042		38791	TRUE	0.05	0.1278	0.294	0.024605
10449-31	TMM46	TMM46	Protein shisa-2 homolog	Q6UWI4	SHISA2	4			TRUE	0.21	0.215	0.18	0.084354
10451-11	NUCB1	NUCB1	Nucleobindin-1	Q02818	NUCB1	4924		38665	TRUE	0.19	0.4369	0.14	0.057854
10455-196	IL-31	IL-31	Interleukin-31	Q6EBC2	IL31	3			TRUE	0.23	0.0926	2.62	0.048044
10457-3	IL-18 Rb	IL-18 Rb	Interleukin-18 receptor accessory protein	O95256	IL18RAP	8807			TRUE	0.08	0.0669	0.352	0.058858
10463-23	Alkaline phosphatase, intestine	Alkaline phosphatase, intestine	Intestinal-type alkaline phosphatase	P09923	ALPI	248			TRUE	0.1	0.0991	2.84	0.033627
10464-6	ANTR1	ANTR1	Anthrax toxin receptor 1	Q9H6X2	ANTXR1	84168			TRUE	0.07	0.1382	0.242	0.044035
10472-53	HVEM	HVEM	Tumor necrosis factor receptor superfamily member 14	Q92956	TNFRSF1	4		8764	TRUE	0.17	0.1534	0.19	0.10668
10479-18	MMP-10	MMP-10	Stromelysin-2	P09238	MMP10	4319			TRUE	0.07	0.113	0.371	0.070589
10490-3	RPN1	RPN1:C D	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 1:Cytoplasmic domain	P04843	RPN1	6184			TRUE	0.06	0.1282	1.032	0.048664
10496-11	CaCC	CaCC	Calcium-activated chloride channel regulator 1	A8K7I4	CLCA1	1179			TRUE	0.08	0.1235	0.284	0.045401
10499-1	T106A	T106A	Transmembrane protein 106A	Q96A25	TMEM1	11327			TRUE	0.13	0.1944	0.205	0.07175
10505-12	RNF43	RNF43	E3 ubiquitin-protein ligase RNF43	Q68DV7	RNF43	54894			TRUE	0.22	0.1974	0.912	0.052324
10506-53	PGRC2	PGRC2	Membrane-associated progesterone receptor component 2	O15173	PGRMC2	10424			TRUE	0.13	0.1975	0.421	0.055598
10512-13	IL3RB	IL3RB:EC D	Cytokine receptor common subunit beta:Extracellular domain	P32927	CSF2RB	1439			TRUE	0.14	0.1625	0.607	0.063143
10513-13	CSEN	CSEN	Calsenilin	Q9Y2W7	KCNIP3	30818			TRUE	0.18	0.3152	1.992	0.038458
10514-5	PGD2 synthase	PGD2 synthase	Prostaglandin-H2 D-isomerase	P41222	PTGDS	5730			TRUE	0.11	0.2212	0.244	0.044907

10521-10	MXRA8	MXRA8: ECD	Matrix-remodeling-associated protein 8:Extracellular domain	Q9BRK3	MXRA8	54587	TRUE	0.11	0.148	0.264	0.120545
10530-8	PSB6	PSB6	Proteasome subunit beta type-6	P28072	PSMB6	5694	TRUE	0.07	0.1689	0.17	0.053033
10531-18	RASN	RASN	GTPase NRas	P01111	NRAS	4893	TRUE	0.33	0.3237	0.176	0.079985
10539-30	C99L2	C99L2	CD99 antigen-like protein 2	Q8TCZ2	CD99L2	83692	TRUE	0.11	0.1058	0.103	0.065112
10546-2	TSEAR	TSEAR	Thrombospondin-type laminin G domain and EAR repeat-containing protein	Q8WU66	TSPEAR	54084	TRUE	0.26	0.2382	4.634	0.06582
10550-37	BMP RIB	BMP RIB	Bone morphogenetic protein receptor type-1B	O00238	BMPR1B	658	TRUE	0.09	0.1279	0.176	0.104663
10551-7	LAT	LAT	Linker for activation of T-cells family member 1	O43561	LAT	27040	TRUE	0.07	0.202	1.931	0.034033
10557-6	TEX29	TEX29	Testis-expressed sequence 29 protein	Q8N6K0	TEX29	12179 3	TRUE	0.19	0.2236	0.138	0.066475
10558-26	PCDH9	PCDH9	Protocadherin-9	Q9HC56	PCDH9	5101	TRUE	0.09	0.1188	0.259	0.070892
10562-42	NETO2	NETO2	Neuropilin and tolloid-like protein 2	Q8NC67	NETO2	81831	TRUE	0.29	0.2635	0.883	0.088408
10563-13	LYSM3	LYSM3	LysM and putative peptidoglycan-binding domain-containing protein 3	Q7Z3D4	LYSMD3	11606 8	TRUE	0.13	0.199	5.472	0.039623
10565-19	SLIK3	SLIK3	SLIT and NTRK-like protein 3	O94933	SLITRK3	22865	TRUE	0.15	0.1433	0.497	0.094482
10572-65	CST8 b2-	CST8 b2-	Cystatin-8	O60676	CST8	10047	TRUE	0.1	0.1708	0.652	0.059468
10574-10	Microglobulin	Microglobulin	Beta-2-microglobulin	P61769	B2M	567	TRUE	0.1	0.1429	2.211	0.067658
10575-31	PUF60	PUF60	Poly(U)-binding-splicing factor PUF60	Q9UHX1	PUF60	22827	TRUE	0.15	0.5078	0.168	0.085297
10576-7	PXDC2	PXDC2: ECD	Plexin domain-containing protein 2:Extracellular domain	Q6UX71	PLXDC2	84898	TRUE	0.12	0.1174	0.133	0.046941
10580-14	SFTA2	SFTA2	Surfactant-associated protein 2	Q6UW10	SFTA2	38937 6	TRUE	0.2	0.2532	0.232	0.08793
10584-7	NDUS4	NDUS4	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial	O43181	NDUFS4	4724	TRUE	0.07	0.1874	0.463	0.041857
10589-7	RET1L	RET1L	Retinoic acid early transcript 1L protein	Q5VY80	RAET1L	15406 4	TRUE	0.1	0.2363	4.189	0.080676
10603-1	HIS3	HIS3	Histatin-3	P15516	HTN3	3347	TRUE	0.13	0.1262	0.278	0.075185

10606-34	TOIP1	TOIP1:Perinuclear	Torsin-1A-interacting protein 1:Perinuclear domain	Q5JTV8	TOR1AIP1	26092	TRUE	0.14	0.2289	0.291	0.055829
10608-9	HIS1	HIS1	Histatin-1 Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	P15515	HTN1	3346	TRUE	0.14	0.1312	1.579	0.070191
10612-18	PLOD3	PLOD3	PLOD3	O60568	PLOD3	8985	TRUE	0.09	0.208	0.224	0.059903
10613-33	CASC4	CASC4	Protein CASC4	Q6P4E1	GOLM2	11320	TRUE	0.08	0.2078	0.893	0.06553
10615-18	MYP0	MYP0	Myelin protein P0	P25189	MPZ	4359	TRUE	0.09	0.128	0.279	0.068311
10616-67	PDXL2	PDXL2	Podocalyxin-like protein 2	Q9NZ53	PODXL2	50512	TRUE	0.1	0.1597	5.324	0.123634
10620-21	PSP-94	PSP-94	Beta-microseminoprotein	P08118	MSMB	4477	TRUE	0.04	0.079	0.514	0.030566
10621-26	PRR16	PRR16	Protein Largen	Q569H4	PRR16	51334	TRUE	0.11	0.0701	0.353	0.075693
10627-87	APLP2	APLP2	Amyloid-like protein 2	Q06481	APLP2	334	TRUE	0.09	0.2637	0.315	0.061973
10630-5	HTAI2	HTAI2	Oxidoreductase HTATIP2 UPF0577 protein	Q9BUP3	HTATIP2	10553	TRUE	0.1	0.2301	0.375	0.027894
10637-50	K1324	K1324:E	KIAA1324:Extracellular domain	Q6UXG2	ELAPOR1	57535	TRUE	0.18	0.0968	0.151	0.133217
10643-16	NOE3	NOE3:C-term	Noelin-3:Isoform 2, C-term Activating signal cointegrator 1 complex subunit 1	Q96PB7	OLFM3	11842	TRUE	0.16	0.2728	2.298	0.073615
10647-18	ASCC1	ASCC1	ASCC1	Q8N9N2	ASCC1	51008	TRUE	0.12	0.5252	0.124	0.02558
10668-5	STX4	STX4	Syntaxin-4 NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4 Killer cell lectin-like receptor subfamily G member 2:C-term Immunoglobulin superfamily member 11:Cytoplasmic domain	Q12846	STX4	6810	TRUE	0.08	0.3468	0.62	0.041611
10677-9	NDUB4	NDUB4	NDUB4	O95168	NDUFB4	4710	TRUE	0.27	0.3431	0.315	0.054298
10693-43	KLRG2	KLRG2:C-term	KLRG2:C-term	A4D1S0	KLRG2	34668	TRUE	0.06	0.1762	2.342	0.046808
10700-10	IGS11	IGS11:C	IGS11:C	Q5DX21	IGSF11	15240	TRUE	0.1	0.2959	2.06	0.04894
10702-1	COSA1	COSA1	Collagen alpha-1(XXVIII) chain	Q2UY09	COL28A1	34026	TRUE	0.2	0.2743	0.201	0.069944
10703-203	SDS3	SDS3	Sin3 histone deacetylase corepressor complex component SDS3	Q9H7L9	SUDS3	64426	TRUE	0.07	0.0951	0.277	0.054908
10716-35	PSMD5	PSMD5	26S proteasome non-ATPase regulatory subunit 5	Q16401	PSMD5	5711	TRUE	0.09	0.1112	0.349	0.030363
10721-76	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A	3303	TRUE	0.25	0.3949	0.309	0.070092

10722-13	KSYK	KSYK:Protein kinase	Tyrosine-protein kinase Kinase	P43405	SYK	6850	TRUE	0.07	0.2271	0.458	0.059803
10731-10	HS3S5	HS3S5	Heparan sulfate glucosamine 3-O- sulfotransferase 5	Q8IZT8	HS3ST5	22253 7	TRUE	0.12	0.2817	0.15	0.052431
10738-11	fibulin 5	fibulin 5	Fibulin-5	Q9UBX5	FBLN5	10516	TRUE	0.35	0.4649	0.213	0.043029
10743-13	SLIK1	SLIK1	SLIT and NTRK-like protein 1	Q96PX8	SLITRK1	11479 8	TRUE	0.14	0.1478	0.41	0.072295
10746-24	DKK3	DKK3	Dickkopf-related protein 3	Q9UBP4	DKK3	27122	TRUE	0.14	0.1401	0.276	0.069147
10748-216	PCDB2	PCDB2	Protocadherin beta-2	Q9Y5E7	PCDHB2	56133	TRUE	0.17	0.3612	0.431	0.065453
10749-18	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	PODMV8	HSPA1A	3303	TRUE	0.09	0.1864	0.467	0.08124
10753-31	ADAM7	ADAM7	Disintegrin and metalloproteinase domain- containing protein 7	Q9H2U9	ADAM7	8756	TRUE	0.15	0.1012	5.779	0.068823
10754-113	Prokinetic in-2	Prokinetic icin-2	Prokineticin-2	Q9HC23	PROK2	60675 11413	TRUE	0.07	0.119	0.716	0.065116
10756-34	UCN3	UCN3	Urocortin-3	Q969E3	UCN3	1	TRUE	0.15	0.1612	2.223	0.119461
10760-107	GRIA4	GRIA4	Glutamate receptor 4 Transmembrane emp24 domain-containing protein	P48058	GRIA4	2893	TRUE	0.15	0.2286	0.297	0.049897
10761-5	TMED2	TMED2	Killer cell lectin-like receptor subfamily G member 2:N-term	Q15363	TMED2	10959 34668 9	TRUE	0.08	0.1012	0.531	0.064593
10762-2	KLRG2	KLRG2:N-term	G-protein coupled receptor 64	A4D1S0	KLRG2	10149	TRUE	0.09	0.3054	0.14	0.054806
10767-52	GPR64	GPR64	Leucine-rich repeat- containing protein 52	Q8IZP9	ADGRG2	44069 10149	TRUE	0.23	0.3806	1.15	0.06575
10785-8	LRC52	LRC52	CMRF35-like molecule 2	Q8N7C0	LRRC52	9 34251	TRUE	0.1	0.2296	2.78	0.068874
10798-4	CLM2	CLM2		Q496F6	CD300E	0	TRUE	0.09	0.2129	3.129	0.035914
10800-15	Collagen- binding protein	Collagen- binding protein	Serpin H1	P50454	SERPINH	1 871	TRUE	0.2	0.2843	0.829	0.052752
10801-11	Ephrin-A2	Ephrin-A2	Ephrin-A2	O43921	EFNA2	1943	TRUE	0.04	0.0854	0.702	0.046769
10803-22	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	PODMV8	HSPA1A	3303	TRUE	0.13	0.2749	0.27	0.110073
10809-14	KLRB1	KLRB1	Killer cell lectin-like receptor subfamily B member 1	Q12918	KLRB1	3820	TRUE	0.12	0.1121	4.787	0.080451
10814-7	CD1A	CD1A	T-cell surface glycoprotein CD1a	P06126	CD1A	909	TRUE	0.19	0.2371	0.216	0.04011

10817-26	TO20L	TO20L	TOMM20-like protein 1	Q6UXN7	TOMM2 OL	38799 0	TRUE	0.35	0.4522	0.218	0.038069
10818-36	ASM	ASM	Sphingomyelin phosphodiesterase	P17405	SMPD1	6609	TRUE	0.17	0.151	0.41	0.086206
10819-108	fibulin 1	fibulin 1	Fibulin-1	P23142	FBLN1	2192	TRUE	0.45	0.898	0.235	0.049579
10825-12	VSI10	VSI10	V-set and immunoglobulin domain-containing protein 10	Q8N0Z9	VSIG10	54621	TRUE	0.12	0.1848	0.333	0.043185
10835-25	A4GCT	A4GCT	Alpha-1,4-N-acetylglucosaminyltransferase	Q9UNA3	A4GNT	51146	TRUE	0.07	0.1193	0.766	0.029436
10842-7	GCNT4	GCNT4	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 4	Q9P109	GCNT4		TRUE	0.14	0.2171	0.449	0.081406
10848-137	BTNL3	BTNL3	Butyrophilin-like protein 3	Q6UXE8	BTNL3	10917	TRUE	0.12	0.0896	0.169	0.030638
10851-77	IL27B	IL27B	Interleukin-27 subunit beta	Q14213	EBI3	10148	TRUE	0.06	0.2081	0.433	0.051139
10852-114	HNRDL	HNRDL	Heterogeneous nuclear ribonucleoprotein D-like	O14979	HNRNPD L	9987	TRUE	0.1	0.2475	0.831	0.046134
10854-15	GCNT4	GCNT4	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 4	Q9P109	GCNT4		TRUE	0.19	0.1719	0.18	0.087412
10855-55	PLXB2	PLXB2	Plexin-B2	O15031	PLXNB2	23654	TRUE	0.1	0.0969	0.529	0.032039
10866-60	P4R3A	P4R3A	Serine/threonine-protein phosphatase 4 regulatory subunit 3A	Q6IN85	PPP4R3 A	55671	TRUE	0.08	0.1786	0.288	0.051672
10870-32	Spastin	Spastin: MIT	Spastin:Microtubule interacting and trafficking domain	Q9UBP0	SPAST	6683	TRUE	0.18	0.1138	0.771	0.057646
10876-300	BRAT1	BRAT1	BRCA1-associated ATM activator 1	Q6PJG6	BRAT1	7	TRUE	0.11	0.1227	0.914	0.034116
10880-38	F163B	F163B	Protein FAM163B	P0C2L3	FAM163 B	64296 8	TRUE	0.09	0.1774	0.206	0.063319
10882-12	Desmocollin-1	Desmocollin-1	Desmocollin-1	Q08554	DSC1	1823	TRUE	0.1	0.1156	0.236	0.035919
10885-36	CF089	CF089	Bombesin receptor-activated protein C6orf89	Q6UWU4	C6orf89	7	TRUE	0.18	0.1233	0.103	0.053805
10889-2	MRAP2	MRAP2	Melanocortin-2 receptor accessory protein 2	Q96G30	MRAP2	9	TRUE	0.17	0.1212	1.812	0.066499

10892-8	OSMR	OSMR	Oncostatin-M-specific receptor subunit beta	Q99650	OSMR	9180	TRUE	0.12	0.1286	1.004	0.056375
10895-28	TM11B	TM11B	Transmembrane protease serine 11B	Q86T26	TMPRSS11B	132724	TRUE	0.09	0.2918	2.457	0.202335
10900-272	STMN2	STMN2	Stathmin-2	Q93045	STMN2	11075	TRUE	0.1	0.1148	0.537	0.041889
10903-50	STX8	STX8	Syntaxin-8	Q9UNK0	STX8	9482	TRUE	0.05	0.1128	0.776	0.057953
10907-116	NTRI	NTRI	Neurotrimin Polypeptide N-acetylgalactosaminyltransferase 13	Q9P121	NTM	50863	TRUE	0.11	0.1781	0.245	0.089137
10908-2	GLT13	GLT13	Carcinoembryonic antigen-related cell adhesion molecule 4	Q8IUC8	GALNT13	114805	TRUE	0.04	0.0756	0.243	0.059897
10910-6	CEAM4	CEAM4	Secretory phospholipase A2 receptor	O75871	CEACAM4	1089	TRUE	0.3	0.512	1.557	0.052402
10916-44	PLA2R	PLA2R	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-T2	Q13018	PLA2R1	22925	TRUE	0.09	0.18	0.322	0.050661
10917-40	GBGT2	GBGT2	Calcium-binding protein 8	O14610	GNGT2	2793	TRUE	0.11	0.0915	0.297	0.065481
10933-107	CABP8	CABP8	Lymphocyte function-associated antigen 3	Q9BXU9	CALN1	83698	TRUE	0.12	0.1369	0.116	0.065355
10938-13	sLFA-3	sLFA-3	Pleckstrin homology domain-containing family A member 4	P19256	CD58	965	TRUE	0.09	0.1363	0.436	0.062941
10939-16	PKHA4	PKHA4	Sarcalumenin	Q9H4M7	PLEKHA4	57664	TRUE	0.06	0.1412	0.167	0.139174
10940-25	SRCA	SRCA	Syntaxin-6	Q86TD4	SRL	6345	TRUE	0.14	0.0879	0.175	0.043701
10945-11	Syntaxin-6	Syntaxin-6	Phospholipase D3	O43752	STX6	10228	TRUE	0.23	0.4459	4.673	0.091886
10948-14	PLD3	PLD3	C-type lectin domain family 2 member A	Q8IV08	PLD3	2364638783	TRUE	0.09	0.1466	0.529	0.047398
10953-14	CLC2A	CLC2A	C-type lectin domain family 10 member A	Q6UVW9	CLEC2A	6	TRUE	0.07	0.2145	0.303	0.108634
10955-4	CLC10	CLC10	Glycine cleavage system H protein, mitochondrial	Q8IUN9	CLEC10A	10462	TRUE	0.08	0.2301	0.2	0.057232
10956-82	GCSH	GCSH	BET1-like protein	P23434	GCSH	2653	TRUE	0.06	0.1502	0.783	0.025121
10959-125	BET1L	BET1L	Retinoic acid receptor responder protein 3	Q9NYM9	BET1L	51272	TRUE	0.08	0.1462	0.314	0.086106
10961-15	TIG3	TIG3	Prolactin	Q9UL19	PLAAT4	5920	TRUE	0.16	0.2558	0.349	0.075247
10967-12	PRL	PRL	Ecto-ADP-ribosyltransferase 3	P01236	PRL	5617	TRUE	0.07	0.1345	2.252	0.082973
10970-3	NAR3	NAR3		Q13508	ART3	419	TRUE	0.11	0.2251	0.345	0.112572

10974-20	ISK7	ISK7	Serine protease inhibitor Kazal-type 7	P58062	SPINK7	84651	TRUE	0.07	0.1323	0.637	0.043338
10975-59	MUCL1	MUCL1	Mucin-like protein 1	Q96DR8	MUCL1	0	TRUE	0.13	0.2395	1.82	0.057292
10976-44	MUC1	MUC1:r egion 3	Mucin-1:region 3	P15941	MUC1	4582	TRUE	0.12	0.1248	0.651	0.059904
10977-55	UCMA	UCMA	Unique cartilage matrix-associated protein	Q8WVF2	UCMA	4	TRUE	0.08	0.1373	2.854	0.061502
10978-39	SOM2	SOM2	Growth hormone variant	P01242	GH2	2689	TRUE	0.12	0.1293	0.729	0.080226
10980-11	ACES	ACES	Acetylcholinesterase	P22303	ACHE	43	TRUE	0.14	0.3203	0.313	0.068345
10981-56	NRG3	NRG3	Pro-neuregulin-3, membrane-bound isoform Leucine-rich repeat	P56975	NRG3	10718	TRUE	0.15	0.3199	6.123	0.090479
10990-21	LRRK2	LRRK2	serine/threonine-protein kinase 2	Q5S007	LRRK2	2	TRUE	0.12	0.0994	0.158	0.091188
11067-13	Osteocalcin	Osteocalcin	Osteocalcin	P02818	BGLAP	632	TRUE	0.09	0.1606	1.436	0.03722
11071-1	IL-5	IL-5	Interleukin-5	P05113	IL5	3567	TRUE	0.08	0.1465	0.232	0.086757
11081-1	GPDA	GPDA	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic	P21695	GPD1	2819	TRUE	0.14	0.1922	0.42	0.062774
11083-23	NSE	NSE	Gamma-enolase	P09104	ENO2	2026	TRUE	0.43	0.5503	0.22	0.130054
11089-7	IgA	IgA	Immunoglobulin A	P01876	IGHA1		TRUE	0.08	0.1118	0.399	0.052462
11094-104	LPPL	LPPL	Galectin-10	Q05315	CLC	1178	TRUE	0.06	0.1186	0.323	0.079825
11096-57	HEMK2	HEMK2	HemK methyltransferase family member 2	Q9Y5N5	N6AMT1	29104	TRUE	0.08	0.217	0.31	0.039468
11098-1	PDXK	PDXK	Pyridoxal kinase	O00764	PDXK	8566	TRUE	0.11	0.0993	0.257	0.097498
11101-18	TLR4	TLR4	Toll-like receptor 4	O00206	TLR4	7099	TRUE	0.08	0.0694	0.518	0.041867
11102-22	REG4	REG4	Regenerating islet-derived protein 4	Q9BYZ8	REG4	83998	TRUE	0.18	0.373	0.431	0.09278
11103-24	HSP 27	HSP 27	Heat shock protein beta-1	P04792	HSPB1	3315	TRUE	0.17	0.1248	0.823	0.078876
11104-13	YKL-40	YKL-40	Chitinase-3-like protein 1	P36222	CHI3L1	1116	TRUE	0.09	0.2252	1.228	0.068041
11105-171	Alpha enolase	Alpha enolase	Alpha-enolase Sushi, von Willebrand factor type A, EGF and	P06733	ENO1	2023	TRUE	0.73	5.3048	0.69	0.097067
11109-56	SVEP1	SVEP1:S ushi 15-18	pentraxin domain-containing protein 1:Sushi 15-18	Q4LDE5	SVEP1	79987	TRUE	0.12	0.2125	0.244	0.119456

11110-4	TM119	TM119	Transmembrane protein 119	Q4V9L6	TMEM1	33877	TRUE	0.17	0.2062	0.205	0.073939
11116-16	CK087	CK087	Uncharacterized protein C11orf87	Q6NUJ2	C11orf8	39994	TRUE	0.07	0.1639	0.153	0.053214
11117-2	SPT20	SPT20	Spermatogenesis-associated protein 20	Q8TB22	SPATA20	64847	TRUE	0.11	0.1249	3.15	0.038224
11118-107	RAB17	RAB17	Ras-related protein Rab-17	Q9HOT7	RAB17	64284	TRUE	0.24	0.241	0.204	0.07585
11120-49	NAT14	NAT14	N-acetyltransferase 14	Q8WUY8	NAT14	57106	TRUE	0.12	0.2792	0.125	0.092221
11121-56	VWC2	VWC2	Brorin	Q2TAL6	VWC2	37556	TRUE	0.17	0.3166	0.239	0.045084
11122-97	SPG21	SPG21	Masparidin	Q9NZD8	SPG21	51324	TRUE	0.1	0.2843	0.494	0.061305
11126-102	TRIO	TRIO	Triple functional domain protein	O75962	TRIO	7204	TRUE	0.12	0.1534	0.324	0.101852
11128-29	T132C	T132C:C	Transmembrane protein 132C:Cytoplasmic domain	Q8N3T6	TMEM1	92293	TRUE	0.12	0.289	3.247	0.067747
11129-66	BMP15	BMP15	Bone morphogenetic protein 15	O95972	BMP15	9210	TRUE	0.13	0.1398	0.43	0.050597
11134-30	RF1ML	RF1ML	Peptide chain release factor 1-like, mitochondrial	Q9UGC7	MTRF1L	54516	TRUE	0.09	0.0781	0.641	0.058253
11137-43	IL3RB	IL3RB:C	Cytokine receptor common subunit beta:Cytoplasmic domain	P32927	CSF2RB	1439	TRUE	0.16	0.1794	0.155	0.080677
11138-16	RUNX3	RUNX3	Runt-related transcription factor 3	Q13761	RUNX3	864	TRUE	0.16	0.1141	0.302	0.094829
11140-56	CO1A1	CO1A1:C-term	Collagen alpha-1(I) chain:C-term propeptide	P02452	COL1A1	1277	TRUE	0.07	0.086	0.442	0.058323
11142-11	ANGL1	ANGL1:C-term	Angiopoietin-related protein 1:C-Term, Fibrinogen domian	O95841	ANGPTL	9068	TRUE	0.14	0.1526	0.187	0.090641
11143-32	NOE3	NOE3:N-term	Noelin-3:Isoform 2, N-term	Q96PB7	OLFM3	11842	TRUE	0.09	0.1956	0.136	0.069148
11144-10	DB116	DB116	Beta-defensin 116	Q30KQ4	DEFB116	24593	TRUE	0.09	0.1055	0.29	0.045774
11145-72	K154L	K154L	UPF0606 protein KIAA1549L	Q6ZVL6	KIAA154	25758	TRUE	0.09	0.1436	0.271	0.117829
11146-4	TBX22	TBX22	T-box transcription factor TBX22	Q9Y458	TBX22	50945	TRUE	0.09	0.0689	0.284	0.045983
11147-17	TRML1	TRML1:I	Trem-like transcript 1 protein:immunoreceptor tyrosine-based inhibition motif	Q86YW5	TREML1	34020	TRUE	0.21	0.1476	0.466	0.048213

11150-3	Collagen a1(VI)	Collagen a1(VI)	Collagen alpha-1(VI) chain	P12109	COL6A1	1291	TRUE	0.15	0.2497	0.291	0.083634
11152-46	kallikrein 13	kallikrein 13	Kallikrein-13	Q9UKR3	KLK13	26085	TRUE	0.11	0.1864	0.376	0.053723
11154-3	NF2L1	NF2L1	Nuclear factor erythroid 2-related factor 1	Q14494	NFE2L1	4779	TRUE	0.08	0.0922	1.062	0.089893
11155-16	CO6A5	CO6A5	Collagen alpha-5(VI) chain	A8TX70	COL6A5	6	TRUE	0.14	0.1571	0.453	0.053162
11157-35	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A	3303	TRUE	0.2	0.8605	0.117	0.06204
11158-40	BICR1	BICR1	Bicaudal D-related protein 1	Q6ZP65	BICDL1	92558	TRUE	0.15	0.2052	0.93	0.096917
11159-14	MUL1	MUL1:C	Mitochondrial ubiquitin ligase activator of NFKB 1:Cytoplasmic domain	Q969V5	MUL1	79594	TRUE	0.15	0.3381	0.119	0.076941
11160-56	RN122	RN122	RING finger protein 122	Q9H9V4	RNF122	79845	TRUE	0.12	0.2054	0.147	0.073888
11163-7	F162B	F162B	Protein FAM162B	Q5T6X4	FAM162B	22130	TRUE	0.13	0.0975	0.168	0.051615
11164-7	TEN2	TEN2	Teneurin-2	Q9NT68	TENM2	57451	TRUE	0.15	0.1023	0.215	0.066258
11168-3	MEG10	MEG10	Multiple epidermal growth factor-like domains protein 10	Q96KG7	MEGF10	84466	TRUE	0.17	0.1881	0.179	0.036722
11171-25	filamin A	filamin A:CH2	Filamin-A:Calponin Homology 2	P21333	FLNA	2316	TRUE	0.17	0.2934	2.202	0.043664
11173-29	MILR1	MILR1	Allergin-1	Q7Z6M3	MILR1	1	TRUE	0.13	0.1103	0.237	0.053537
11174-8	THS7A	THS7A:T	Thrombospondin type-1 domain-containing protein 7A:Thrombospondin type-1 domain 6	Q9UPZ6	THSD7A	22198	TRUE	0.2	0.1175	1.147	0.079172
11175-45	PCAT2	PCAT2	Lysophosphatidylcholine acyltransferase 2	Q7L5N7	LPCAT2	54947	TRUE	0.13	0.1196	0.433	0.059259
11177-16	K2C5	K2C5	Keratin, type II cytoskeletal 5	P13647	KRT5	3852	TRUE	0.09	0.1944	0.489	0.106611
11178-21	SVEP1	SVEP1:E	Sushi, von Willebrand factor type A, EGF and GF-like pentraxin domain-containing protein 1:EGF-like domains 4-6	Q4LDE5	SVEP1	79987	TRUE	0.12	0.2343	0.263	0.180021
11179-7	TSSK1	TSSK1	Testis-specific serine/threonine-protein kinase 1	Q9BXA7	TSSK1B	83942	TRUE	0.08	0.0925	2.943	0.058872
11180-17	SMRC1	SMRC1	SWI/SNF complex subunit SMARCC1	Q92922	SMARCC1	6599	TRUE	0.17	0.1951	0.393	0.11101
11184-51	CgA	CgA	Chromogranin-A	P10645	CHGA	1113	TRUE	0.25	0.3862	0.979	0.065449

11185-145	GCH1	GCH1	GTP cyclohydrolase 1	P30793	GCH1	2643	TRUE	0.14	0.2066	0.65	0.087106
11186-12	TMM52	TMM52	Transmembrane protein 52	Q8NDY8	TMEM5	33945	TRUE	0.19	0.1199	0.936	0.076919
11187-11	CL12A	CL12A	C-type lectin domain family 12 member A	Q5QGZ9	CLEC12A	16036	TRUE	0.11	0.0885	0.689	0.085679
11190-129	YMEL1	YMEL1	ATP-dependent zinc metalloprotease YME1L1	Q96TA2	YME1L1	10730	TRUE	0.11	0.0801	0.568	0.077888
11192-168	TINAL	TINAL	Tubulointerstitial nephritis antigen-like	Q9GZM7	TINAGL1	64129	TRUE	0.1	0.6102	0.234	0.122212
11194-6	SIT1	SIT1	Signaling threshold-regulating transmembrane adapter 1	Q9Y3P8	SIT1	27240	TRUE	0.07	0.075	2.125	0.047767
11196-31	Collagen alpha-3(VI)	Collagen alpha-3(VI):BP	Collagen alpha-3(VI) chain:Bovine pancreatic trypsin inhibitor/Kunitz inhibitor domain, isoform 1	P12111	COL6A3	1293	TRUE	0.13	0.0989	0.197	0.06479
11198-37	CR3L1	CR3L1	Cyclic AMP-responsive element-binding protein 3-like protein 1	Q96BA8	CREB3L1	90993	TRUE	0.07	0.1152	0.243	0.068942
11200-52	C1QR1	C1QR1	Complement component C1q receptor	Q9NPY3	CD93	22918	TRUE	0.11	0.1242	0.239	0.06326
11204-80	CXAR	CXAR	Coxsackievirus and adenovirus receptor	P78310	CXADR	1525	TRUE	0.1	0.1071	0.108	0.053821
11205-10	Integrin beta-7	Integrin beta-7	Integrin beta-7	P26010	ITGB7	3695	TRUE	0.09	0.1576	0.773	0.084195
11207-3	Macrophage scavenger receptor	Macrophage scavenger receptor	Macrophage scavenger receptor types I and II: Cytoplasmic domain	P21757	MSR1	4481	TRUE	0.19	0.1862	0.561	0.05244
11208-15	NAGPA	NAGPA	N-acetylglucosamine-1-phosphodiesterase alpha-N-acetylglucosaminidase	Q9UK23	NAGPA	51172	TRUE	0.07	0.0762	0.172	0.048506
11212-7	TXND5	TXND5	Thioredoxin domain-containing protein 5	Q8NBS9	TXNDC5	81567	TRUE	0.1	0.121	0.226	0.097176
11214-40	DNJB9	DNJB9	DnaJ homolog subfamily B member 9	Q9UBS3	DNAJB9	4189	TRUE	0.12	0.175	0.265	0.063578
11215-6	CAD15	CAD15:C	Cadherin-15: Cytoplasmic domain	P55291	CDH15	1013	TRUE	0.15	0.1502	1.036	0.050392
11217-16	CTBP1	CTBP1	C-terminal-binding protein 1	Q13363	CTBP1	1487	TRUE	0.12	0.1586	0.465	0.088883

11218-84	TPMT	TPMT	Thiopurine S-methyltransferase	P51580	TPMT	7172	TRUE	0.09	0.1909	0.196	0.048266
11219-95	FGFP3	FGFP3	Fibroblast growth factor-binding protein 3	Q8TAT2	FGFBP3	2	TRUE	0.11	0.1741	0.235	0.075088
11223-1	TM154	TM154	Transmembrane protein 154	Q6P9G4	TMEM154	9	TRUE	0.06	0.1764	0.131	0.058634
11226-16	UBE3A	UBE3A	Ubiquitin-protein ligase E3A	Q05086	UBE3A	7337	TRUE	0.1	0.174	0.278	0.053821
11227-31	TBL2	TBL2	Transducin beta-like protein 2	Q9Y4P3	TBL2	26608	TRUE	0.11	0.1571	1.06	0.06724
11228-37	RIC3	RIC3	Protein RIC-3	Q7Z5B4	RIC3	79608	TRUE	0.11	0.1059	0.23	0.035731
11229-16	ERN1	ERN1	Serine/threonine-protein kinase/endoribonuclease IRE1	O75460	ERN1	2081	TRUE	0.07	0.1556	0.663	0.081233
11231-12	ADXL	ADXL	Adrenodoxin-like protein, mitochondrial	Q6P4F2	FDX2	2	TRUE	0.14	0.1564	0.712	0.060104
11232-46	Holo-TC I	Holo-TC I	Transcobalamin-1	P20061	TCN1	6947	TRUE	0.13	0.2025	0.239	0.0546
11237-49	PCOC1	PCOC1	Procollagen C-endopeptidase enhancer 1	Q15113	PCOLCE	5118	TRUE	0.08	0.0933	0.356	0.048658
11239-49	TMPS6	TMPS6	Transmembrane protease serine 6	Q8IU80	TMPRSS6	6	TRUE	0.16	0.1661	0.518	0.047999
11241-8	ARLY	ARLY	Argininosuccinate lyase	P04424	ASL	435	TRUE	0.19	0.4086	0.806	0.109649
11243-90	GPR110	GPR110	Adhesion G-protein coupled receptor F1	Q5T601	ADGRF1	7	TRUE	0.19	0.2129	0.353	0.095925
11245-43	filamin A	A:CH1	Filamin-A:Calponin Homology 1	P21333	FLNA	2316	TRUE	0.09	0.0879	0.788	0.03854
11246-3	LPLC1	LPLC1	BPI fold-containing family B member 1	Q8TDL5	BPIFB1	92747	TRUE	0.08	0.2239	0.616	0.039248
11247-20	NAGS	NAGS	N-acetylglutamate synthase, mitochondrial	Q8N159	NAGS	7	TRUE	0.12	0.0975	0.285	0.070257
11248-43	HEM4	HEM4	Uroporphyrinogen-III synthase	P10746	UROS	7390	TRUE	0.09	0.1313	0.249	0.03915
11252-30	LRCH4	LRCH4:C4	Leucine-rich repeat and calponin homology domain-containing protein 4:Calponin Homology	O75427	LRCH4	4034	TRUE	0.1	0.1918	0.181	0.034882
11254-13	PPN	PPN	Papilin	O95428	PAPLN	89932	TRUE	0.09	0.0628	0.163	0.047495
11257-1	DHPR	DHPR	Dihydropteridine reductase	P09417	QDPR	5860	TRUE	0.1	3.8024	0.424	0.077862
11258-41	MAdCAM-1	MAdCA M-1	Mucosal addressin cell adhesion molecule 1	Q13477	MADCA M1	8174	TRUE	0.26	0.1377	0.266	0.071815
11260-47	SPA4L	SPA4L	SUN domain-containing protein 5	Q8TC36	SUN5	2	TRUE	0.07	0.0955	2.152	0.082596

11264-33	XDH	XDH	Xanthine dehydrogenase/oxidase	P47989	XDH	7498	TRUE	0.11	0.1353	0.557	0.043587
11265-8	Retinal dehydrogenase 1	Retinal dehydrogenase 1	Retinal dehydrogenase 1	P00352	ALDH1A1	216	TRUE	0.17	0.2035	0.67	0.076727
11266-8	SELPL	SELPL:EC	P-selectin glycoprotein ligand 1:Extracellular domain	Q14242	SELPLG	6404	TRUE	0.13	0.1729	0.255	0.081196
11270-17	CHC10	CHC10	Coiled-coil-helix-coiled-coil-helix domain-containing protein 10, mitochondrial	Q8WYQ3	CHCHD1	40091	TRUE	0.19	0.2231	0.56	0.06681
11275-94	LRP1B	LRP1B	Low-density lipoprotein receptor-related protein 1B	Q9NZR2	LRP1B	53353	TRUE	0.09	0.2334	0.152	0.033116
11277-23	ATF6A	ATF6A	Cyclic AMP-dependent transcription factor ATF-6 alpha	P18850	ATF6	22926	TRUE	0.08	0.1294	0.265	0.061808
11278-4	COL11A2	COL11A2	Collagen alpha-2(XI) chain	P13942	COL11A2	1302	TRUE	0.07	0.0725	0.439	0.060138
11281-6	GRB7	GRB7	Growth factor receptor-bound protein 7	Q14451	GRB7	2886	TRUE	0.21	0.1457	0.172	0.082236
11283-13	DCAF5	DCAF5	DDB1- and CUL4-associated factor 5	Q96JK2	DCAF5	8816	TRUE	0.12	0.2284	0.213	0.040296
11284-24	LAIR1	LAIR1	Leukocyte-associated immunoglobulin-like receptor 1	Q6GTX8	LAIR1	3903	TRUE	0.07	0.2423	0.115	0.158892
11285-8	CD34	CD34	Hematopoietic progenitor cell antigen CD34	P28906	CD34	947	TRUE	0.15	0.1787	0.2	0.056963
11286-78	SELS	SELS	Selenoprotein S	Q9BQE4	SELENOS	55829	TRUE	0.19	0.2254	2.287	0.043751
11287-14	Cytochrome b5	Cytochrome b5	Cytochrome b5	P00167	CYB5A	1528	TRUE	0.07	0.2005	1.073	0.098833
11288-26	5NTC	5NTC	Cytosolic purine 5'-nucleotidase	P49902	NT5C2	22978	TRUE	0.11	0.1123	1.946	0.066484
11292-13	SCAR3	SCAR3:region 2	Scavenger receptor class A member 3:region 2	Q6AZY7	SCARA3	51435	TRUE	0.1	0.1215	0.099	0.063475
11294-7	TMCC3	TMCC3:region 2	Transmembrane and coiled-coil domains protein 3:region 2	Q9ULS5	TMCC3	57458	TRUE	0.22	0.2198	0.183	0.032497
11300-32	SORT	SORT	Sortilin	Q99523	SORT1	6272	TRUE	0.22	0.0658	0.761	0.059302
11302-237	TENR	TENR	Tenascin-R	Q92752	TNR	7143	TRUE	0.09	0.1454	0.409	0.046882

11303-7	SAMH1	SAMH1	Deoxynucleoside triphosphate triphosphohydrolase SAMHD1	Q9Y3Z3	SAMHD1	25939	TRUE	0.25	0.1076	0.265	0.080565
11307-33	WWP1	WWP1	NEDD4-like E3 ubiquitin-protein ligase WWP1	Q9H0M0	WWP1	11059	TRUE	0.07	0.1428	0.852	0.036759
11308-8	CR3L4	CR3L4	Cyclic AMP-responsive element-binding protein 3-like protein 4	Q8TEY5	CREB3L4	14832	TRUE	0.05	0.0559	0.151	0.030095
11310-8	Desmoglein-3	Desmoglein-3	Desmoglein-3	P32926	DSG3	1830	TRUE	0.07	0.1746	0.171	0.057572
11311-79	RAG-1	RAG-1	V(D)J recombination-activating protein 1	P15918	RAG1	5896	TRUE	0.07	0.1629	0.139	0.024435
11312-40	PMS2	PMS2	Mismatch repair endonuclease PMS2	P54278	PMS2	5395	TRUE	0.08	0.1659	0.743	0.08221
11313-100	PHS	PHS	Pterin-4-alpha-carbinolamine dehydratase	P61457	PCBD1	5092	TRUE	0.17	0.1161	0.589	0.075834
11315-148	PPM1D	PPM1D	Protein phosphatase 1D	O15297	PPM1D	8493	TRUE	0.08	0.1664	0.249	0.062709
11318-20	Apo A-V	Apo A-V	Apolipoprotein A-V	Q6Q788	APOA5	11651	TRUE	0.1	0.1733	0.289	0.03776
11319-106	MRE11	MRE11	Double-strand break repair protein MRE11	P49959	MRE11	4361	TRUE	0.06	0.162	0.281	0.026018
11320-29	CHFR	CHFR	E3 ubiquitin-protein ligase CHFR	Q96EP1	CHFR	55743	TRUE	0.07	0.0656	0.335	0.054454
11327-56	CLK2	CLK2	Dual specificity protein kinase CLK2	P49760	CLK2	1196	TRUE	0.28	0.2123	0.9	0.076078
11333-82	RHG25	RHG25	Rho GTPase-activating protein 25	P42331	ARHGAP25	9938	TRUE	0.08	0.2335	0.747	0.10363
11334-7	LIRB3	LIRB3	Leukocyte immunoglobulin-like receptor subfamily B member 3	O75022	LILRB3	10272	TRUE	0.11	0.1221	0.55	0.093319
11342-59	PXDC2	PXDC2:C	Plexin domain-containing protein 2:Cytoplasmic domain	Q6UX71	PLXDC2	84898	TRUE	0.19	0.1291	0.659	0.0647
11347-9	Transaldolase	Transaldolase	Transaldolase	P37837	TALDO1	6888	TRUE	0.71	0.7506	0.407	0.054578
11348-132	P4HA2	P4HA2	Prolyl 4-hydroxylase subunit alpha-2	O15460	P4HA2	8974	TRUE	0.24	0.2081	0.269	0.094418
11350-30	CHIP	CHIP	E3 ubiquitin-protein ligase CHIP	Q9UNE7	STUB1	10273	TRUE	0.11	0.1784	0.368	0.035581
11353-143	SMAD2	SMAD2	Mothers against decapentaplegic homolog 2	Q15796	SMAD2	4087	TRUE	0.14	0.1676	0.35	0.016704
11354-21	Phospholipase C-beta-1	Phospholipase C-beta-1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-1	Q9NQ66	PLCB1	23236	TRUE	0.06	0.0848	0.456	0.106909

11355-10	IF5A2	IF5A2	Eukaryotic translation initiation factor 5A-2	Q9GZV4	EIF5A2	56648	TRUE	0.33	0.5852	0.681	0.123188
11356-19	DGC14	DGC14	Protein DGCR14	Q96DF8	ESS2	8220	TRUE	0.08	0.0988	0.204	0.065384
11360-39	RRM1	RRM1	Ribonucleoside-diphosphate reductase large subunit	P23921	RRM1	6240	TRUE	0.09	0.1952	0.588	0.074738
11361-73	TP	TP	Thymidine phosphorylase	P19971	TYMP	1890	TRUE	0.16	0.4164	0.8	0.040911
11363-58	AQP4	AQP4	Aquaporin-4	P55087	AQP4	361	TRUE	0.16	0.1715	0.68	0.083827
11364-18	MFN1	MFN1	Mitofusin-1	Q8IWA4	MFN1	55669	TRUE	0.14	0.1033	0.906	0.041767
11368-32	KAD2	KAD2	Adenylate kinase 2, mitochondrial	P54819	AK2	204	TRUE	0.07	0.1292	0.847	0.059102
11369-23	ADHX	ADHX	Alcohol dehydrogenase class-3	P11766	ADH5	128	TRUE	0.14	0.1659	0.588	0.071747
11372-2	ZNF18	ZNF18	Zinc finger protein 18	P17022	ZNF18	7566	TRUE	0.15	0.1703	0.127	0.037343
11375-49	FOXL2	FOXL2	Forkhead box protein L2	P58012	FOXL2	668	TRUE	0.08	0.0725	1.64	0.044736
11377-19	ADH7	ADH7	Alcohol dehydrogenase class 4 mu/sigma chain	P40394	ADH7	131	TRUE	0.06	0.0912	0.37	0.042867
11378-37	KSYK	KSYK	Tyrosine-protein kinase SYK:Src Homology domain	P43405	SYK	6850	TRUE	0.12	0.2024	0.758	0.098796
11380-84	RBM24	RBM24	RNA-binding protein 24	Q9BX46	RBM24	22166	TRUE	0.2	0.2182	0.163	0.097631
11382-5	BIEA	BIEA	Biliverdin reductase A	P53004	BLVRA	644	TRUE	0.12	0.1593	0.482	0.071303
11383-41	Keratin 7	Keratin 7	Keratin, type II cytoskeletal 7	P08729	KRT7	3855	TRUE	0.14	0.111	0.112	0.043492
11387-3	ATF6B	ATF6B	Cyclic AMP-dependent transcription factor ATF-6 beta	Q99941	ATF6B	1388	TRUE	0.1	0.1977	0.186	0.038125
11388-75	HE4	HE4	WAP four-disulfide core domain protein 2	Q14508	WFDC2	10406	TRUE	0.09	0.1785	0.356	0.08853
11391-69	MVK	MVK	Mevalonate kinase	Q03426	MVK	4598	TRUE	0.1	0.2042	1.128	0.066871
11395-5	FAK2	FAK2:FERM	Protein-tyrosine kinase 2-beta:4.1 protein, ezrin, radixin, moesin domain	Q14289	PTK2B	2185	TRUE	0.09	0.1105	0.484	0.102796
11396-39	DNAI1	DNAI1	Dynein intermediate chain 1, axonemal	Q9UI46	DNAI1	27019	TRUE	0.16	0.1881	0.137	0.052921
11401-181	RN146	RN146	E3 ubiquitin-protein ligase RNF146	Q9NTX7	RNF146	81847	TRUE	0.1	0.0865	0.141	0.10275
11405-150	CARD9	CARD9	Caspase recruitment domain-containing protein 9	Q9H257	CARD9	64170	TRUE	0.16	0.163	0.433	0.062426

11406-82	ACAD8	ACAD8	Isobutyryl-CoA dehydrogenase, mitochondrial	Q9UKU7	ACAD8	27034	TRUE	0.08	0.1262	6.052	0.11103
11416-23	FBXL4	FBXL4:LR4 and LRR5	F-box/LRR-repeat protein 4:Leucine-rich repeats 4 and 5	Q9UKA2	FBXL4	26235	TRUE	0.15	0.0981	0.145	0.121502
11421-10	EHD4	EHD4	EH domain-containing protein 4	Q9H223	EHD4	30844	TRUE	0.14	0.2267	0.953	0.115864
11422-2	DLX3	DLX3	Homeobox protein DLX-3	O60479	DLX3	1747	TRUE	0.1	0.131	0.295	0.091961
11424-4	FAAA	FAAA	Fumarylacetoacetase	P16930	FAH	2184	TRUE	0.07	0.1717	0.576	0.058187
11428-31	PDLI1	PDLI1	PDZ and LIM domain protein 1	O00151	PDLIM1	9124	TRUE	0.08	0.1129	0.809	0.058008
11429-80	hnRNP C1/C2	hnRNP C1/C2	Heterogeneous nuclear ribonucleoproteins C1/C2	P07910	HNRNPC	3183	TRUE	0.11	0.158	0.427	0.064245
11430-49	DTX1	DTX1	E3 ubiquitin-protein ligase DTX1	Q86Y01	DTX1	1840	TRUE	0.2	0.2028	0.159	0.046595
11431-235	RECQ1	RECQ1	ATP-dependent DNA helicase Q1	P46063	RECQL	5965	TRUE	0.14	0.515	0.449	0.044685
11433-11	TECT2	TECT2	Tectonic-2	Q96GX1	TCTN2	79867	TRUE	0.35	0.1316	0.184	0.044181
11436-6	AINX	AINX	Alpha-internexin	Q16352	INA	9118	TRUE	0.08	0.1635	1.092	0.067903
11438-6	DNJB2	DNJB2	DnaJ homolog subfamily B member 2	P25686	DNAJB2	3300	TRUE	0.07	0.0837	0.26	0.070025
11439-88	RHPN2	RHPN2	Rhopilin-2	Q8IUC4	RHPN2	85415	TRUE	0.16	0.1595	0.221	0.075357
11440-58	SOCS-3	SOCS-3	Suppressor of cytokine signaling 3	O14543	SOCS3	9021	TRUE	0.09	0.1023	0.126	0.037124
11442-1	DNER	DNER:C D	receptor:Cytoplasmic domain	Q8NFT8	DNER	92737	TRUE	0.09	0.0878	0.684	0.051626
11448-34	GALK1	GALK1	Galactokinase	P51570	GALK1	2584	TRUE	0.35	0.1544	0.644	0.052818
11449-22	CAZA1	CAZA1	F-actin-capping protein subunit alpha-1	P52907	CAPZA1	829	TRUE	0.53	0.4616	0.63	0.027871
11450-110	Protein disulfide-isomerase	Protein disulfide-isomerase	Protein disulfide-isomerase	P07237	P4HB	5034	TRUE	0.08	0.0928	4.302	0.029606
11454-87	EIF3G	EIF3G	Eukaryotic translation initiation factor 3 subunit G	O75821	EIF3G	8666	TRUE	0.11	0.1278	0.753	0.067414
11458-30	PCBP1	PCBP1	Poly(rC)-binding protein 1	Q15365	PCBP1	5093	TRUE	0.07	0.1317	0.824	0.049061

11459-81	ELL	ELL	RNA polymerase II elongation factor ELL	P55199	ELL	8178	TRUE	0.13	0.144	0.121	0.06787
11462-8	RBM9	RBM9	RNA binding protein fox-1 homolog 2	O43251	RBFOX2	23543	TRUE	0.1	0.2134	0.909	0.044654
11464-9	RELB	RELB	Transcription factor RelB	Q01201	RELB	5971	TRUE	0.23	0.0994	0.205	0.066064
11465-4	GP135	GP135	Probable G-protein coupled receptor 135	Q8IZ08	GPR135	64582	TRUE	0.09	0.2391	0.447	0.036477
11468-15	RBM19	RBM19	Probable RNA-binding protein 19	Q9Y4C8	RBM19	9904	TRUE	0.06	0.1378	2.872	0.0525
11476-43	VPS4A	VPS4A	Vacuolar protein sorting-associated protein 4A	Q9UN37	VPS4A	27183	TRUE	0.11	0.1403	0.634	0.086786
11481-25	TIMD3	TIMD3	Hepatitis A virus cellular receptor 2	Q8TDQ0	HAVCR2	84868	TRUE	0.09	0.2296	2.701	0.067924
11486-26	ZN174	ZN174	Zinc finger protein 174	Q15697	ZNF174	7727	TRUE	0.1	0.1936	0.96	0.062788
11487-4	Testican-1	Testican-1	Testican-1	Q08629	SPOCK1	6695	TRUE	0.1	0.1115	2.406	0.029649
11490-42	UBL4A	UBL4A	Ubiquitin-like protein 4A	P11441	UBL4A	8266	TRUE	0.08	0.0581	0.385	0.047136
11493-169	DYL2	DYL2	Dynein light chain 2, cytoplasmic	Q96FJ2	DYNLL2	5	TRUE	0.09	5.7654	0.871	0.077262
11494-4	ELL2	ELL2	RNA polymerase II elongation factor ELL2	O00472	ELL2	22936	TRUE	0.1	0.1573	0.26	0.075298
11510-31	Apo L1	Apo L1	Apolipoprotein L1	O14791	APOL1	8542	TRUE	0.34	0.8454	0.32	0.076708
11510-51	Apo L1	Apo L1	Apolipoprotein L1	O14791	APOL1	8542	TRUE	0.11	0.183	0.243	0.106111
11513-92	CD38	CD38	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1	P28907	CD38	952	TRUE	0.1	0.1099	0.118	0.055437
11514-196	CD59	CD59	CD59 glycoprotein	P13987	CD59	966	TRUE	0.08	0.1182	0.174	0.053866
11516-7	FABPL	FABPL	Fatty acid-binding protein, liver	P07148	FABP1	2168	TRUE	0.12	0.1416	0.314	0.042811
11530-37	HEM3	HEM3	Porphobilinogen deaminase	P08397	HMBS	3145	TRUE	0.08	0.1624	0.439	0.053666
11531-24	GI24	GI24:CD	V-type immunoglobulin domain-containing suppressor of T-cell activation:Cytoplasmic domain	Q9H7M9	VSIR	64115	TRUE	0.06	0.1609	0.432	0.126141
11534-6	LRIT3	LRIT3	Leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 3	Q3SXY7	LRIT3	3	TRUE	0.06	0.1883	0.479	0.082912
11536-9	MYSM1	MYSM1	Histone H2A deubiquitinase MYSM1	Q5VVJ2	MYSM1	3	TRUE	0.11	0.151	0.794	0.088961

11537-12	TFR2	TFR2	Transferrin receptor protein 2	Q9UP52	TFR2	7036	TRUE	0.08	0.0695	0.127	0.042923
11538-216	DCMC	DCMC	Malonyl-CoA decarboxylase, mitochondrial	Q95822	MLYCD	23417	TRUE	0.07	0.1161	0.232	0.058728
11539-4	ATPK	ATPK	ATP synthase subunit f, mitochondrial	P56134	ATP5MF	9551	TRUE	0.12	0.1378	0.24	0.044389
11542-11	TM230	TM230	Transmembrane protein 230	Q96A57	TMEM2	30	TRUE	0.1	0.1342	0.13	0.058184
11544-39	PHF3	PHF3	PHD finger protein 3	Q92576	PHF3	23469	TRUE	0.12	0.1389	0.358	0.076717
11545-9	HVEM	HVEM	Tumor necrosis factor receptor superfamily member 14	Q92956	TNFRSF1	4	TRUE	0.12	0.2167	3.176	0.03717
11548-84	MPIP1	MPIP1	M-phase inducer phosphatase 1	P30304	CDC25A	993	TRUE	0.08	0.1615	2.4	0.21859
11549-6	ISL1	ISL1	Insulin gene enhancer protein ISL-1	P61371	ISL1	3670	TRUE	0.06	0.1304	0.313	0.057773
11556-19	ARFG1	ARFG1	ADP-ribosylation factor GTPase-activating protein 1	Q8N6T3	ARFGAP	1	TRUE	0.14	0.1452	0.305	0.060225
11557-3	SMUF1	SMUF1	E3 ubiquitin-protein ligase SMURF1	Q9HCE7	SMURF1	57154	TRUE	0.1	0.1484	0.288	0.073886
11560-76	NFAC4	NFAC4	Nuclear factor of activated T-cells, cytoplasmic 4	Q14934	NFATC4	4776	TRUE	0.08	0.1735	0.145	0.096472
11563-51	SYTL4	SYTL4:C22	Synaptotagmin-like protein 4:Ca2+-dependent membrane-targeting module 2	Q96C24	SYTL4	94121	TRUE	0.11	0.123	0.158	0.115498
11567-23	ZNF10	ZNF10	Zinc finger protein 10	P21506	ZNF10	7556	TRUE	0.09	0.1012	0.512	0.058077
11568-2	FKB1B	FKB1B	Peptidyl-prolyl cis-trans isomerase FKBP1B	P68106	FKBP1B	2281	TRUE	0.5	0.4907	0.541	0.040698
11571-75	NKG2E	NKG2E:CD	NKG2-E type II integral membrane protein:Isoform E, Extracellular domain	Q07444	KLRC3	3823	TRUE	0.15	0.1376	0.164	0.056908
11572-4	DYN2	DYN2	Dynamin-2	P50570	DNM2	1785	TRUE	0.15	0.1542	0.692	0.03682
11573-3	SRSF6	SRSF6	Serine/arginine-rich splicing factor 6	Q13247	SRSF6	6431	TRUE	0.08	0.1414	0.245	0.049943
11582-63	DNJA2	DNJA2	DnaJ homolog subfamily A member 2	O60884	DNAJA2	10294	TRUE	0.08	0.141	0.776	0.07067
11586-2	LRRN1	LRRN1:CD	Leucine-rich repeat neuronal protein 1:Extracellular domain	Q6UXK5	LRRN1	57633	TRUE	0.11	0.0987	0.788	0.062658
11587-5	MGAP	MGAP	MAX gene-associated protein	Q8IWI9	MGA	23269	TRUE	0.05	0.1492	0.266	0.045049
11590-5	RBM23	RBM23	Probable RNA-binding protein 23	Q86U06	RBM23	55147	TRUE	0.11	0.1416	0.534	0.037258

11591-43	PRC1	PRC1	Protein regulator of cytokinesis 1	O43663	PRC1	9055	TRUE	0.12	0.1582	0.163	0.077172
11592-1	ELAV1	ELAV1	ELAV-like protein 1	Q15717	ELAVL1	1994	TRUE	0.1	0.2061	1.308	0.072371
11601-26	DHX8	DHX8	ATP-dependent RNA helicase DHX8	Q14562	DHX8	1659	TRUE	0.1	0.0842	0.435	0.072582
11602-12	CPNE1	CPNE1:V WFA	Copine-1:Von Willebrand factor type A domain	Q99829	CPNE1	8904	TRUE	0.16	0.1562	0.379	0.110052
11606-22	DNJB6	DNJB6	DnaJ homolog subfamily B member 6	O75190	DNAJB6	10049	TRUE	0.08	0.1271	0.252	0.048738
11607-15	BRD1	BRD1	Bromodomain-containing protein 1	O95696	BRD1	23774	TRUE	0.09	0.0975	0.662	0.07499
11608-5	MLP3B	MLP3B	Microtubule-associated proteins 1A/1B light chain 3B	Q9GZQ8	MAP1LC3B	81631	TRUE	0.33	0.7411	0.652	0.096285
11614-29	ERH	ERH	Enhancer of rudimentary homolog	P84090	ERH	2079	TRUE	0.07	0.1816	0.424	0.114303
11616-9	HSF1	HSF1	Heat shock factor protein 1	Q00613	HSF1	3297	TRUE	0.09	0.1303	0.516	0.05136
11617-1	LFA-1	LFA-1									
11626-7	alpha-L chain	alpha-L chain	Integrin alpha-L	P20701	ITGAL	3683	TRUE	0.12	0.128	0.19	0.110384
11633-89	UB2V1	UB2V1	Ubiquitin-conjugating enzyme E2 variant 1	Q13404	UBE2V1	38752	TRUE	0.11	4.2385	0.487	0.028854
11634-32	AHSA1	AHSA1	Activator of 90 kDa heat shock protein ATPase homolog 1	O95433	AHSA1	10598	TRUE	0.14	0.1209	0.292	0.08487
11636-33	RGS10	RGS10	Regulator of G-protein signaling 10	O43665	RGS10	6001	TRUE	0.07	0.0841	0.942	0.055698
11638-42	Transgelin-2	Transgelin-2									
11643-73	B3GT2	B3GT2	Transgelin-2 Beta-1,3-galactosyltransferase 2	O43825	B3GALT2	8407	TRUE	0.23	0.2044	0.476	0.09331
11646-4	DTX3L	DTX3L	E3 ubiquitin-protein ligase DTX3L	Q8TDB6	DTX3L	8707	TRUE	0.09	0.1046	0.223	0.056732
11647-6	Carbohydrate sulfotransferase 9	Carbohydrate sulfotransferase 9									
11649-3	Frizzled-10	Frizzled-10:CD	Frizzled-10:CD domain	Q9ULW2	FZD10	15163	TRUE	0.14	0.157	0.316	0.105263
11654-77	SMAP1	SMAP1	Carbohydrate sulfotransferase 9	Q7L1S5	CHST9	6	TRUE	0.09	0.2001	0.286	0.067721
11656-110	Frizzled-10	Frizzled-10:CD	Frizzled-10:CD domain	Q9ULW2	FZD10	11211	TRUE	0.24	0.234	0.277	0.086138
11657-86	SMAP1	SMAP1	Stromal membrane-associated protein 1	Q8IYB5	SMAP1	60682	TRUE	0.08	0.1314	0.84	0.031989
	NRSN1	NRSN1	Neurensin-1	Q8IZ57	NRSN1	14076	TRUE	0.28	0.2665	0.613	0.078301
	EVL	EVL	Ena/VASP-like protein	Q9UI08	EVL	7	TRUE	0.28	0.2665	0.613	0.078301
	SOCS7	SOCS7	Suppressor of cytokine signaling 7	O14512	SOCS7	51466	TRUE	0.14	0.1863	0.197	0.041064

11659-31	EPN4	EPN4	Clathrin interactor 1 NACHT, LRR and PYD domains-containing protein 1	Q14677	CLINT1	9685	TRUE	0.08	0.1196	1.148	0.039252
11661-11	NALP1	NALP1	ADP-ribosylation factor GTPase-activating protein 2	Q9C000	NLRP1	22861	TRUE	0.1	0.1034	2.115	0.079773
11664-32	ARFG2	ARFG2	Regulator of G-protein signaling 8	Q8N6H7	ARFGAP2	84364	TRUE	0.09	0.1883	1.04	0.081763
11666-72	RGS8	RGS8	Peregrin	P57771	RGS8	85397	TRUE	0.24	0.2571	0.201	0.042271
11671-19	BRPF1	BRPF1	Kinesin-like protein KIF16B	P55201	BRPF1	7862	TRUE	0.13	0.3177	3.532	0.105221
11672-17	KI16B	KI16B	Gap junction delta-2 protein	Q96L93	KIF16B	55614	TRUE	0.23	0.091	0.264	0.035892
11678-105	CXD2	CXD2	Arf-GAP domain and FG repeat-containing protein 1	Q9UKL4	GJD2	57369	TRUE	0.08	0.1109	1.867	0.052247
11681-8	NUPL	NUPL	Thioredoxin-interacting protein	P52594	AGFG1	3267	TRUE	0.11	0.111	0.83	0.067824
11682-7	TXNIP	TXNIP	ADP-ribosylation factor-binding protein GGA3	Q9H3M7	TXNIP	10628	TRUE	0.2	0.1945	0.253	0.025632
11683-19	GGA3	GGA3	Anaphase-promoting complex subunit 7	Q9NZ52	GGA3	23163	TRUE	0.1	0.1282	1.003	0.045999
11690-47	APC7	APC7	SHC-transforming protein 4	Q9UJX3	ANAPC7	51434	TRUE	0.11	0.0908	0.668	0.077248
11692-21	SHC4	SHC4	Cellular retinoic acid-binding protein 2	Q6S5L8	SHC4	4	TRUE	0.08	0.1288	0.177	0.059108
11696-7	RABP2	RABP2	Protein tyrosine phosphatase type IVA 2	P29373	CRABP2	1382	TRUE	0.06	0.2723	0.286	0.092124
11699-16	TP4A2	TP4A2	Lipocalin-1	Q12974	PTP4A2	8073	TRUE	0.08	0.0933	0.391	0.044006
11708-2	LCN1	LCN1	Carnitine O-palmitoyltransferase 1, muscle isoform	P31025	LCN1	3933	TRUE	0.1	0.2668	0.38	0.152934
11709-29	CPT1B	CPT1B	Protein unc-45 homolog A	Q92523	CPT1B	1375	TRUE	0.12	0.1723	0.185	0.050517
11712-207	UN45A	UN45A	Leucine-rich repeat, immunoglobulin-like domain and transmembrane domain-containing protein 2	Q9H3U1	UNC45A	55898	TRUE	0.08	0.152	0.775	0.064895
11716-28	LRIT2	LRIT2	Hepatocyte growth factor receptor	A6NDA9	LRIT2	5	TRUE	0.09	0.0694	0.594	0.121053
11814-29	Met	Met	Tyrosine-protein kinase JAK2	P08581	MET	4233	TRUE	0.09	0.0908	0.171	0.075569
11816-84	JAK2	JAK2	Ribosomal protein S6 kinase beta-1	O60674	JAK2	3717	TRUE	0.48	0.4652	0.804	0.036301
11817-1	KS6B1	KS6B1		P23443	RPS6KB1	6198	TRUE	0.1	0.1694	0.568	0.063097

11825-27	PRGC1	PRGC1	Peroxisome proliferator-activated receptor gamma coactivator 1-alpha	Q9UBK2	PPARGC1A	10891	TRUE	0.06	0.0898	8.156	0.050491
11827-7	RORG	RORG	Nuclear receptor ROR-gamma	P51449	RORC	6097	TRUE	0.1	0.184	1.635	0.049408
11830-48	SHP-2	SHP-2	Tyrosine-protein phosphatase non-receptor type 11	Q06124	PTPN11	5781	TRUE	0.12	0.1583	0.766	0.042608
11833-83	FRDA	FRDA	Frataxin, mitochondrial	Q16595	FXN	2395	TRUE	0.07	0.1126	1.225	0.084554
11836-144	discoidin domain receptor 1	discoidin domain receptor 1	Epithelial discoidin domain-containing receptor 1	Q08345	DDR1	780	TRUE	0.12	0.1462	0.145	0.074566
11838-130	FA38A	FA38A	Piezo-type mechanosensitive ion channel component 1	Q92508	PIEZO1	9780	TRUE	0.1	0.2084	1.119	0.101059
11851-21	TREM2	TREM2	Triggering receptor expressed on myeloid cells 2	Q9NZC2	TREM2	54209	TRUE	0.07	0.0892	0.356	0.04179
11910-27	DLX4	DLX4	Homeobox protein DLX-4	Q92988	DLX4	1748	TRUE	0.08	0.1331	0.861	0.060451
11926-23	P34	P34	Alpha- and gamma-adaptin-binding protein p34	Q6PD74	AAGAB	79719	TRUE	0.26	0.3154	0.665	0.03951
11934-9	INT3	INT3	Integrator complex subunit 3	Q68E01	INTS3	65123	TRUE	0.07	0.2503	0.652	0.071724
11949-25	EGF	EGF:CD	Epidermal growth factor: Cytoplasmic domain	P01133	EGF	1950	TRUE	0.13	0.1825	1.958	0.092806
11955-1	RHG01	RHG01: Rho-GAP	Rho GTPase-activating protein 1: Rho-GTPase activating protein domain	Q07960	ARHGAP1	392	TRUE	0.13	0.2773	0.401	0.033556
11967-23	RABP1	RABP1	Cellular retinoic acid-binding protein 1	P29762	CRABP1	1381	TRUE	0.18	0.214	0.172	0.031858
11969-5	S100A2	S100A2	Protein S100-A2	P29034	S100A2	6273	TRUE	0.07	0.0817	0.166	0.090757
11989-35	EMC1	EMC1	ER membrane protein complex subunit 1	Q8N766	EMC1	23065	TRUE	0.08	0.1521	0.357	0.048776
12001-7	ZO1	ZO1	Tight junction protein ZO-1	Q07157	TJP1	7082	TRUE	0.17	0.2283	0.327	0.069405
12008-3	CD7	CD7	T-cell antigen CD7	P09564	CD7	924	TRUE	0.07	0.2263	0.468	0.078936
12016-60	CBL	CBL	E3 ubiquitin-protein ligase CBL	P22681	CBL	867	TRUE	0.09	0.1208	0.805	0.072843
12030-82	Desmin	Desmin	Desmin	P17661	DES	1674	TRUE	0.23	0.2391	0.204	0.061634

12033-3	BUB1	BUB1	Mitotic checkpoint serine/threonine-protein kinase BUB1	O43683	BUB1	699	TRUE	0.24	0.1985	0.513	0.059646
12041-33	HS71L	HS71L	Heat shock 70 kDa protein 1-like	P34931	HSPA1L	3305	TRUE	0.17	0.25	0.349	0.038057
12046-51	TADBP	TADBP	TAR DNA-binding protein 43	Q13148	TARDBP	23435	TRUE	0.13	0.2115	0.206	0.075003
12077-32	Myostatin	Myostatin	Growth/differentiation factor 8	O14793	MSTN	2660	TRUE	0.06	0.0994	0.364	0.052908
12332-7	EF2K	EF2K	Eukaryotic elongation factor 2 kinase	O00418	EEF2K	29904	TRUE	0.16	0.2006	0.49	0.040985
12333-87	RPIA	RPIA	Ribose-5-phosphate isomerase	P49247	RPIA	22934	TRUE	0.09	0.1721	0.231	0.063263
12340-17	SYAC	SYAC	Alanine--tRNA ligase, cytoplasmic	P49588	AARS1	16	TRUE	0.11	0.139	0.669	0.139976
12341-8	DUS6	DUS6	Dual specificity protein phosphatase 6	Q16828	DUSP6	1848	TRUE	0.25	0.2844	0.154	0.059637
12343-14	CENB2	CENB2	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2	Q15057	ACAP2	23527	TRUE	0.09	0.0981	0.266	0.077284
12345-4	APC10	APC10	Anaphase-promoting complex subunit 10	Q9JUM13	ANAPC10	10393	TRUE	0.08	0.1102	0.123	0.081499
12347-29	CCM2	CCM2	Cerebral cavernous malformations 2 protein	Q9BSQ5	CCM2	83605	TRUE	0.15	0.219	0.292	0.075894
12348-46	SYSM	SYSM	Serine--tRNA ligase, mitochondrial	Q9NP81	SARS2	54938	TRUE	0.06	0.1322	0.621	0.051442
12350-86	ETS2	ETS2	Protein C-ets-2	P15036	ETS2	2114	TRUE	0.06	0.15	0.21	0.048798
12351-25	STAT1	STAT1	Signal transducer and activator of transcription 1-alpha/beta	P42224	STAT1	6772	TRUE	0.07	0.1951	0.988	0.066074
12352-70	ARRD3	ARRD3	Arrestin domain-containing protein 3	Q96B67	ARRDC3	57561	TRUE	0.25	0.1493	1.799	0.126665
12355-223	RRFM	RRFM	Ribosome-recycling factor, mitochondrial	Q96E11	MRRF	92399	TRUE	0.06	0.1769	0.167	0.022775
12356-65	Sorcin	Sorcin	Sorcin	P30626	SRI	6717	TRUE	0.1	0.1629	0.39	0.059177
12357-41	SNP29	SNP29	Synaptosomal-associated protein 29	O95721	SNAP29	9342	TRUE	0.09	0.1259	0.483	0.085417
12358-6	IGBP1	IGBP1	Immunoglobulin-binding protein 1	P78318	IGBP1	3476	TRUE	0.1	0.1015	0.56	0.098676
12361-102	RRAS2	RRAS2	Ras-related protein R-Ras2	P62070	RRAS2	22800	TRUE	0.06	0.0975	0.206	0.09659
12363-70	TRIB2	TRIB2	Tribbles homolog 2	Q92519	TRIB2	28951	TRUE	0.1	0.1809	0.107	0.076431
12365-108	RUVB1	RUVB1	RuvB-like 1	Q9Y265	RUVBL1	8607	TRUE	0.12	0.1379	0.249	0.094222
12370-30	Apo F	Apo F	Apolipoprotein F	Q13790	APOF	319	TRUE	0.08	0.1087	0.442	0.067755

	Tropomyosin	Tropomyosin									
12372-50	osin alpha-3 chain	alpha-3 chain	Tropomyosin alpha-3 chain	P06753	TPM3	7170	TRUE	0.06	0.0833	0.368	0.028396
12373-73	TRA2B	TRA2B	Transformer-2 protein homolog beta	P62995	TRA2B	6434	TRUE	0.08	0.1221	0.431	0.080797
12374-8	PA1B3	PA1B3	Platelet-activating factor acetylhydrolase IB subunit gamma	Q15102	PAFAH1 B3	5050	TRUE	0.43	0.3999	0.486	0.052412
12376-85	p19-INK4d	p19-INK4d	Cyclin-dependent kinase 4 inhibitor D	P55273	CDKN2D	1032	TRUE	0.13	0.2786	0.954	0.06712
12378-71	TPSN	TPSN	Tapasin	O15533	TAPBP	6892	TRUE	0.06	0.1201	0.589	0.063756
12381-26	CBR1	CBR1	Carbonyl reductase [NADPH] 1	P16152	CBR1	873	TRUE	0.05	0.1608	0.642	0.051923
12382-2	DDX58	DDX58	Probable ATP-dependent RNA helicase DDX58	O95786	DDX58	23586	TRUE	0.12	0.1644	2.547	0.061772
12384-92	CSN7B	CSN7B	COP9 signalosome complex subunit 7b	Q9H9Q2	COPS7B	64708	TRUE	0.16	0.1641	0.603	0.052064
12385-4	CAN3	CAN3	Calpain-3	P20807	CAPN3	825	TRUE	0.13	0.2349	0.592	0.028945
12387-7	PDLI4	PDLI4	PDZ and LIM domain protein 4	P50479	PDLIM4	8572	TRUE	0.07	0.0924	1.979	0.084914
12389-4	ORC6	ORC6	Origin recognition complex subunit 6	Q9Y5N6	ORC6	23594	TRUE	0.1	0.1454	0.288	0.070316
12391-27	PDZD7	PDZD7	PDZ domain-containing protein 7	Q9H5P4	PDZD7	79955	TRUE	0.19	0.2479	0.317	0.080693
12392-30	ARL1	ARL1	ADP-ribosylation factor-like protein 1	P40616	ARL1	400	TRUE	0.19	0.1106	0.12	0.029388
12395-86	SYDM	SYDM	Aspartate--tRNA ligase, mitochondrial	Q6PI48	DARS2	55157	TRUE	0.1	0.2204	1.176	0.068259
12396-19	HIBCH	HIBCH	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	Q6NVY1	HIBCH	26275	TRUE	0.13	0.3126	0.936	0.041054
12399-194	CCD50	CCD50	Coiled-coil domain-containing protein 50	Q8IVM0	CCDC50	7	TRUE	0.06	0.0795	0.424	0.0266
12400-25	UBE2T	UBE2T	Ubiquitin-conjugating enzyme E2 T	Q9NPD8	UBE2T	29089	TRUE	0.08	0.2014	0.13	0.061998
12401-3	STALP	STALP	AMSH-like protease	Q96FJ0	STAMBP L1	57559	TRUE	0.09	0.1547	0.126	0.09355
12403-30	RB39B	RB39B	Ras-related protein Rab-39B	Q96DA2	RAB39B	2	TRUE	0.11	0.1799	0.637	0.114044
12406-119	ARHI	ARHI	GTP-binding protein Diras3	O95661	DIRAS3	9077	TRUE	0.05	0.087	2.556	0.035333
12408-333	RB22A	RB22A	Ras-related protein Rab-22A	Q9UL26	RAB22A	57403	TRUE	0.25	0.3446	4.213	0.037026
12409-90	RAB7B	RAB7B	Ras-related protein Rab-7b	Q96AH8	RAB7B	33838	TRUE	0.13	0.175	5.712	0.101017
12411-60	MAX	MAX	Protein max	P61244	MAX	4149	TRUE	0.09	0.1188	0.963	0.057164

12414-31	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	P31946	YWHAB	7529	TRUE	0.09	0.2724	0.602	0.034792
12415-122	EDF1	EDF1	Endothelial differentiation-related factor 1	O60869	EDF1	8721	TRUE	0.15	0.2411	0.126	0.055102
12417-46	TPRKB	TPRKB	EKC/KEOPS complex subunit TPRKB	Q9Y3C4	TPRKB	51002	TRUE	0.12	0.1188	0.098	0.048687
12420-10	GPD1L	GPD1L	Glycerol-3-phosphate dehydrogenase 1-like protein	Q8N335	GPD1L	23171	TRUE	0.29	0.3098	0.316	0.090328
12423-38	A1CF	A1CF	APOBEC1 complementation factor	Q9NQ94	A1CF	29974	TRUE	0.07	0.3419	0.578	0.089472
12424-107	THYN1	THYN1	Thymocyte nuclear protein 1	Q9P016	THYN1	29087	TRUE	0.24	0.0741	0.389	0.035945
12425-104	ARF6	ARF6	ADP-ribosylation factor 6	P62330	ARF6	382	TRUE	0.08	0.1503	0.153	0.028825
12426-19	MOL1B	MOL1B	MOB kinase activator 1A M-phase inducer	Q9H8S9	MOB1A	55233	TRUE	0.08	0.1648	0.318	0.032327
12427-8	MPIP2	MPIP2	phosphatase 2	P30305	CDC25B	994	TRUE	0.1	0.1289	0.128	0.043104
12428-2	LYPL1	LYPL1	Lysophospholipase-like protein 1	Q5VWZ2	LYPLAL1	8	TRUE	0.12	0.1544	1.06	0.074728
12430-78	PAIP1	PAIP1	Polyadenylate-binding protein-interacting protein 1	Q9H074	PAIP1	10605	TRUE	0.11	0.1272	0.176	0.058075
12431-13	PELO	PELO	Protein pelota homolog	Q9BRX2	PELO	53918	TRUE	0.08	0.1838	0.989	0.023373
12432-23	CYBP	CYBP	Calcyclin-binding protein	Q9HB71	CACYBP	27101	TRUE	0.08	0.1282	1.104	0.033472
12433-8	ARL11	ARL11	ADP-ribosylation factor-like protein 11	Q969Q4	ARL11	1	TRUE	0.13	0.1519	0.326	0.08979
12434-25	K0174	K0174	IST1 homolog	P53990	IST1	9798	TRUE	0.14	0.1835	0.737	0.053717
12436-84	GST omega-1	GST omega-1	Glutathione S-transferase omega-1	P78417	GSTO1	9446	TRUE	0.19	0.8711	0.152	0.053584
12438-127	3MG	3MG	DNA-3-methyladenine glycosylase	P29372	MPG	4350	TRUE	0.06	0.0772	0.34	0.026425
12442-4	RHOD	RHOD	Rho-related GTP-binding protein RhoD	O00212	RHOD	29984	TRUE	0.07	0.2187	0.577	0.07487
12445-50	ANR27	ANR27	Ankyrin repeat domain-containing protein 27	Q96NW4	ANKRD2	7	TRUE	0.1	0.131	0.287	0.034761
12446-49	GST A1-1	GST A1-1	Glutathione S-transferase A1	P08263	GSTA1	2938	TRUE	0.08	0.1226	1.19	0.053635
12448-246	NMT1	NMT1	Glycylpeptide N-tetradecanoyltransferase 1	P30419	NMT1	4836	TRUE	0.09	0.4367	1.015	0.066225
12449-16	PPIH	PPIH	Peptidyl-prolyl cis-trans isomerase H	O43447	PPIH	10465	TRUE	0.09	0.1457	1.183	0.043121

12450-42	PMVK	PMVK	Phosphomevalonate kinase	Q15126	PMVK	10654	TRUE	0.14	0.1747	0.785	0.086151
12451-62	BACH1	BACH1	Transcription regulator protein BACH1	O14867	BACH1	571	TRUE	0.22	0.1596	0.197	0.040566
12452-32	SV422	SV422	Histone-lysine N-methyltransferase SUV420H2	Q86Y97	KMT5C	84787	TRUE	0.14	0.0999	0.154	0.045942
12455-48	MYNN	MYNN	Myoneurin	Q9NPC7	MYNN	55892	TRUE	0.12	0.1458	0.13	0.045307
12456-5	F263	F263	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	Q16875	PFKFB3	5209	TRUE	0.15	0.1177	0.166	0.023832
12457-10	MTND	MTND	1,2-dihydroxy-3-keto-5-methylthiopentene dioxxygenase	Q9BV57	ADI1	55256	TRUE	0.16	0.2461	0.512	0.070177
12458-79	CHP1	CHP1	Calcineurin B homologous protein 1	Q99653	CHP1	11261	TRUE	0.08	0.1019	0.339	0.081433
12459-13	PKHA1	PKHA1	Pleckstrin homology domain-containing family A member 1	Q9HB21	PLEKHA1	59338	TRUE	0.14	0.1008	0.251	0.096175
12460-18	PSA7	PSA7	Proteasome subunit alpha type-7	O14818	PSMA7	5688	TRUE	0.07	0.1647	0.385	0.049791
12461-8	SIRT5	SIRT5	NAD-dependent protein deacylase sirtuin-5, mitochondrial	Q9NXA8	SIRT5	23408	TRUE	0.1	0.1721	0.163	0.021761
12463-7	KLH13	KLH13	Kelch-like protein 13	Q9P2N7	KLHL13	90293	TRUE	0.16	0.2091	0.153	0.079018
12466-7	ROA1	ROA1	Heterogeneous nuclear ribonucleoprotein A1	P09651	HNRNPA1	3178	TRUE	0.06	1.3344	0.641	0.02248
12469-19	MARE1	MARE1	Microtubule-associated protein RP/EB family member 1	Q15691	MAPRE1	22919	TRUE	0.08	1.4031	0.999	0.064188
12471-47	STAU1	STAU1	Double-stranded RNA-binding protein Staufen homolog 1	O95793	STAU1	6780	TRUE	0.11	0.1633	0.335	0.052595
12475-48	CLIC5	CLIC5	Chloride intracellular channel protein 5	Q9NZA1	CLIC5	53405	TRUE	0.09	0.1194	0.738	0.042573
12476-50	TIGAR	TIGAR	Fructose-2,6-bisphosphatase TIGAR	Q9NQ88	TIGAR	57103	TRUE	0.06	0.1179	0.199	0.048143
12477-42	TSN	TSN	Translin	Q15631	TSN	7247	TRUE	0.07	0.1415	0.362	0.053783
12478-15	RL30	RL30	60S ribosomal protein L30	P62888	RPL30	6156	TRUE	0.09	0.3046	0.538	0.028937
12479-50	KAP1	KAP1	cAMP-dependent protein kinase type I-beta regulatory subunit	P31321	PRKAR1B	5575	TRUE	0.18	0.1563	1.537	0.039286
12480-9	OTUD5	OTUD5	OTU domain-containing protein 5	Q96G74	OTUD5	55593	TRUE	0.3	0.2539	0.218	0.076777

12482-5	BPTF	BPTF	Nucleosome-remodeling factor subunit BPTF	Q12830	BPTF	2186	TRUE	0.09	0.1033	0.118	0.072474
12483-62	RORB	RORB	Nuclear receptor ROR-beta	Q92753	RORB		TRUE	0.07	0.0761	1.69	0.069733
12484-67	PIPNB	PIPNB	Phosphatidylinositol transfer protein beta isoform	P48739	PITPNB	23760	TRUE	0.21	0.1203	0.191	0.049948
12486-8	GLRX2	GLRX2	Glutaredoxin-2, mitochondrial	Q9NS18	GLRX2	51022	TRUE	0.07	0.0797	1.814	0.083981
12488-9	MCTS1	MCTS1	Malignant T-cell-amplified sequence 1	Q9ULC4	MCTS1	28985	TRUE	0.12	0.3373	0.333	0.093925
12490-92	LTOR3	LTOR3	Ragulator complex protein LAMTOR3	Q9UHA4	LAMTOR3	8649	TRUE	0.21	0.1869	0.129	0.069024
12491-23	CLIC4	CLIC4	Chloride intracellular channel protein 4	Q9Y696	CLIC4	25932	TRUE	0.09	0.1548	0.876	0.06759
12493-42	OTUB2	OTUB2	Ubiquitin thioesterase OTUB2	Q96DC9	OTUB2	78990	TRUE	0.08	0.1076	0.892	0.040754
12494-99	GBRL2	GBRL2	Gamma-aminobutyric acid receptor-associated protein-like 2	P60520	GABARA PL2	11345	TRUE	0.06	5.0016	0.734	0.061229
12497-29	SDOS	SDOS	Tudor-interacting repair regulator protein	Q9BRJ7	NUDT16 L1	84309	TRUE	0.09	0.1207	0.445	0.058761
12498-12	TX1B3	TX1B3	Tax1-binding protein 3	O14907	TAX1BP3	30851	TRUE	0.06	0.0762	0.601	0.09858
12499-108	SH3G2	SH3G2	Endophilin-A1	Q99962	SH3GL2	6456	TRUE	0.12	0.1885	1.015	0.051442
12501-10	TBCA	TBCA	Tubulin-specific chaperone A	O75347	TBCA	6902	TRUE	0.11	0.1226	0.348	0.036594
12503-5	SPR1	SPR1	Ovarian cancer G-protein coupled receptor 1	Q15743	GPR68	8111	TRUE	0.39	0.5435	1.144	0.074487
12504-26	LMOD1	LMOD1	Leiomodin-1	P29536	LMOD1	25802	TRUE	0.09	0.1162	0.24	0.025051
12507-16	IP3KC	IP3KC	Inositol-trisphosphate 3-kinase C	Q96DU7	ITPKC	80271	TRUE	0.12	0.1127	0.194	0.037064
12508-9	CHMP3	CHMP3	Charged multivesicular body protein 3	Q9Y3E7	CHMP3	6767	TRUE	0.08	0.1567	0.562	0.036108
12509-115	COMD1	COMD1	COMM domain-containing protein 1	Q8N668	COMMD1	15068	TRUE	0.1	0.2065	3.411	0.092598
12510-3	STAP1	STAP1	Signal-transducing adaptor protein 1	Q9ULZ2	STAP1	26228	TRUE	0.1	0.1871	0.152	0.063656
12511-83	S41A2	S41A2	Solute carrier family 41 member 2	Q96JW4	SLC41A2	84102	TRUE	0.17	0.2167	0.407	0.054619
12513-8	GLTP	GLTP	Glycolipid transfer protein	Q9NZD2	GLTP	51228	TRUE	0.1	0.0798	4.671	0.037218
12514-16	METTL1	METTL1	tRNA (guanine-N(7)-)-methyltransferase	Q9UBP6	METTL1	4234	TRUE	0.07	0.1025	0.201	0.077142
12515-45	UCK2	UCK2	Uridine-cytidine kinase 2	Q9BZX2	UCK2	7371	TRUE	0.08	0.145	0.433	0.062785

12516-13	TEAD4	TEAD4	Transcriptional enhancer factor TEF-3	Q15561	TEAD4	7004	TRUE	0.08	0.0818	0.232	0.114722
12517-52	TFAR19	TFAR19	Programmed cell death protein 5	O14737	PDCD5	9141	TRUE	0.08	0.1725	0.42	0.061805
12518-289	PB1	PB1	Protein polybromo-1	Q86U86	PBRM1	55193	TRUE	0.09	0.1528	1.48	0.035223
12521-3	CDN2C	CDN2C	Cyclin-dependent kinase 4 inhibitor C	P42773	CDKN2C	1031	TRUE	0.19	0.3424	0.112	0.062196
12522-6	RD23B	RD23B	UV excision repair protein RAD23 homolog B	P54727	RAD23B	5887	TRUE	0.1	0.1116	0.428	0.043051
12527-50	THA	THA	Thyroid hormone receptor alpha	P10827	THRA	7067	TRUE	0.09	0.1345	0.201	0.076052
12530-14	CKS-1	CKS-1	Cyclin-dependent kinases regulatory subunit 1	P61024	CKS1B	1163	TRUE	0.19	0.2789	0.149	0.060756
12532-28	UB2R1	UB2R1	Ubiquitin-conjugating enzyme E2 R1	P49427	CDC34	997	TRUE	0.09	0.2094	0.866	0.092622
12533-135	CYH2	CYH2	Cytohesin-2	Q99418	CYTH2	9266	TRUE	0.1	0.0929	0.185	0.043232
12537-88	PURA	PURA	Transcriptional activator protein Pur-alpha	Q00577	PURA	5813	TRUE	0.09	0.2226	0.436	0.021737
12540-25	RHOG	RHOG	Rho-related GTP-binding protein RhoG	P84095	RHOG	391	TRUE	0.12	0.213	0.065	0.03515
12546-1	SMTN	SMTN	Smoothelin	P53814	SMTN	6525	TRUE	0.11	0.13	1.349	0.04065
12549-33	PTGD2	PTGD2	Hematopoietic prostaglandin D synthase	O60760	HPGDS	27306	TRUE	0.13	0.1774	0.29	0.06006
12551-3	ITCH	ITCH	E3 ubiquitin-protein ligase Itchy homolog	Q96J02	ITCH	83737	TRUE	0.07	0.2255	4.321	0.071135
12558-3	UBS3B	UBS3B	Ubiquitin-associated and SH3 domain-containing protein B	Q8TF42	UBASH3B	84959	TRUE	0.07	0.1739	1.136	0.058949
12560-9	NT5C	NT5C	5'(3')-deoxyribonucleotidase, cytosolic type	Q8TCD5	NT5C	30833	TRUE	0.05	0.2437	0.235	0.049609
12563-2	TFIP8	TFIP8	Tumor necrosis factor alpha-induced protein 8	O95379	TNFAIP8	25816	TRUE	0.17	0.2152	0.443	0.060091
12564-9	NIP7	NIP7	60S ribosome subunit biogenesis protein NIP7 homolog	Q9Y221	NIP7	51388	TRUE	0.07	0.1247	0.917	0.036649
12571-14	ARL3	ARL3	ADP-ribosylation factor-like protein 3	P36405	ARL3	403	TRUE	0.09	0.2221	0.583	0.044697
12572-236	EFS	EFS	Embryonal Fyn-associated substrate	O43281	EFS	10278	TRUE	0.14	0.1324	0.271	0.064488
12573-80	TRIM3	TRIM3	Tripartite motif-containing protein 3	O75382	TRIM3	10612	TRUE	0.05	0.095	0.645	0.052776
12574-36	Endothelin 2	Endothelin 2	Endothelin-2	P20800	EDN2	1907	TRUE	0.13	0.6162	0.696	0.10733

12575-30	C1TC	C1TC	C-1-tetrahydrofolate synthase, cytoplasmic	P11586	MTHFD1	4522	TRUE	0.11	0.2514	0.602	0.111633
12577-100	FLAP endonuclease-1	FLAP endonuclease-1	Flap endonuclease 1	P39748	FEN1	2237	TRUE	0.11	0.1177	2.126	0.08094
12578-13	ARF3	ARF3	ADP-ribosylation factor 3	P61204	ARF3	377	TRUE	0.12	0.2356	0.516	0.048309
12581-39	IMPA2	IMPA2	Inositol monophosphatase 2	O14732	IMPA2	3613	TRUE	0.11	0.1951	0.998	0.087278
12583-77	ARAF	ARAF	Serine/threonine-protein kinase A-Raf	P10398	ARAF	369	TRUE	0.13	0.1769	4.94	0.093504
12587-65	ARL2	ARL2	ADP-ribosylation factor-like protein 2	P36404	ARL2	402	TRUE	0.17	0.2166	0.308	0.078489
12591-27	Oligophrenin-1	Oligophrenin-1	Oligophrenin-1	O60890	OPHN1	4983	TRUE	0.28	0.1774	0.986	0.058759
12593-33	PDRG1	PDRG1	p53 and DNA damage-regulated protein 1	Q9NUG6	PDRG1	81572	TRUE	0.09	0.1955	3.164	0.084502
12595-11	TMOD1	TMOD1	Tropomodulin-1	P28289	TMOD1	7111	TRUE	0.06	0.0872	0.241	0.068314
12597-68	Autophagy protein 5	Autophagy protein 5	Autophagy protein 5	Q9H1Y0	ATG5	9474	TRUE	0.1	0.1223	1.206	0.033389
12599-10	URP2	URP2	Fermitin family homolog 3	Q86UX7	FERMT3	83706	TRUE	0.32	0.3652	0.666	0.056071
12603-87	PABP4	PABP4	Polyadenylate-binding protein 4	Q13310	PABPC4	8761	TRUE	0.07	0.1185	0.407	0.05487
12604-16	SCMH1	SCMH1	Polycomb protein SCMH1	Q96GD3	SCMH1	22955	TRUE	0.14	0.3457	0.202	0.261361
12605-1	Exosome component 3	Exosome component 3	Exosome complex component RRP40	Q9NQT5	EXOSC3	51010	TRUE	0.23	0.1839	1.233	0.075938
12612-37	PSB1	PSB1	Proteasome subunit beta type-1	P20618	PSMB1	5689	TRUE	0.1	0.1681	0.44	0.051398
12619-14	Protein phosphatase 2Ca	Protein phosphatase 2Ca	Protein phosphatase 1A	P35813	PPM1A	5494	TRUE	0.39	0.2267	0.354	0.143798
12620-3	Septin-11	Septin-11	Septin-11	Q9NVA2	SEPTIN1	55752	TRUE	0.5	0.863	0.21	0.095473
12621-55	PP2AAA	PP2AAA	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	P30153	PPP2R1A	5518	TRUE	0.08	0.1471	0.408	0.065243
12630-8	ARFP2	ARFP2	Arfaptin-2	P53365	ARFIP2	23647	TRUE	0.09	0.108	0.282	0.046996
12632-14	ARY1	ARY1	Arylamine N-acetyltransferase 1	P18440	NAT1	9	TRUE	0.35	0.5408	0.268	0.043397

12633-3	PTN9	PTN9	Tyrosine-protein phosphatase non-receptor type 9	P43378	PTPN9	5780	TRUE	0.05	0.0752	1.549	0.064713
12634-79	BCAR3	BCAR3:R as-GEF	Breast cancer anti-estrogen resistance protein 3:Guanine Nucleotide Exchange Factor Domain	O75815	BCAR3	8412	TRUE	0.15	0.083	0.379	0.026571
12637-7	CACP	CACP	Carnitine O-acetyltransferase	P43155	CRAT	1384	TRUE	0.1	0.2119	0.938	0.056871
12643-4	ARRB1	ARRB1	Beta-arrestin-1	P49407	ARRB1	408	TRUE	0.05	0.2752	0.8	0.030471
12644-63	PURA2	PURA2	Adenylosuccinate synthetase isozyme 2	P30520	ADSS2	159	TRUE	0.1	0.1192	0.394	0.086188
12647-52	SETD2	SETD2	Histone-lysine N-methyltransferase SETD2	Q9BYW2	SETD2	29072	TRUE	0.07	0.0693	0.192	0.053198
12649-80	Malate dehydrogenase 2	Malate dehydrogenase 2	Malate dehydrogenase, mitochondrial	P40926	MDH2	4191	TRUE	0.1	0.1597	0.97	0.08641
12650-43	GNAI3	GNAI3	Guanine nucleotide-binding protein G(k) subunit alpha	P08754	GNAI3	2773	TRUE	0.17	0.3551	0.383	0.055172
12652-37	SAHH2	SAHH2	Adenosylhomocysteinase 2	O43865	AHCYL1	10768	TRUE	0.08	0.2312	0.774	0.033324
12655-30	SNAB	SNAB	Beta-soluble NSF attachment protein	Q9H115	NAPB	63908	TRUE	0.25	0.193	3.895	0.133263
12658-72	PANK3	PANK3	Pantothenate kinase 3	Q9H999	PANK3	79646	TRUE	0.14	0.1268	0.126	0.072595
12659-13	GTPB9	GTPB9	Obg-like ATPase 1	Q9NTK5	OLA1	29789	TRUE	0.08	0.0965	0.589	0.060052
12661-44	GBRL1	GBRL1	Gamma-aminobutyric acid receptor-associated protein-like 1	Q9H0R8	GABARA PL1	23710	TRUE	0.08	4.8816	0.175	0.095686
12663-1	THTR	THTR	Thiosulfate sulfurtransferase	Q16762	TST	7263	TRUE	0.14	0.1968	0.341	0.044746
12664-19	PTN13	PTN13	Tyrosine-protein phosphatase non-receptor type 13	Q12923	PTPN13	5783	TRUE	0.1	0.1353	3.024	0.082922
12668-7	VPS4B	VPS4B	Vacuolar protein sorting-associated protein 4B	O75351	VPS4B	9525	TRUE	0.16	0.1	0.174	0.049114
12671-35	ST1B1	ST1B1	Sulfotransferase family cytosolic 1B member 1	O43704	SULT1B1	27284	TRUE	0.22	0.3872	0.276	0.022817
12675-14	SYDC	SYDC	Aspartate--tRNA ligase, cytoplasmic	P14868	DARS1	1615	TRUE	0.33	0.4659	0.889	0.035699
12676-1	PACN1	PACN1	Protein kinase C and casein kinase substrate in neurons protein 1	Q9BY11	PACSIN1	29993	TRUE	0.12	0.1212	0.399	0.091221

12677-164	FLII	FLII	Protein flightless-1 homolog	Q13045	FLII	2314	TRUE	0.09	0.1023	0.813	0.053917
12678-66	SNRPA	SNRPA	U1 small nuclear ribonucleoprotein A	P09012	SNRPA	6626	TRUE	0.09	0.1414	0.479	0.127694
12681-63	UBP21	UBP21	Ubiquitin carboxyl-terminal hydrolase 21	Q9UK80	USP21	27005	TRUE	0.12	0.25	0.165	0.041565
12682-5	KAT3	KAT3	Kynurenine--oxoglutarate transaminase 3	Q6YP21	KYAT3	56267	TRUE	0.11	0.2447	0.503	0.051486
12683-156	DPYL5	DPYL5	Dihydropyrimidinase-related protein 5	Q9BPU6	DPYSL5	56896	TRUE	0.09	0.1898	0.183	0.048907
12684-5	ADSV	ADSV	Adseverin	Q9Y6U3	SCIN	85477	TRUE	0.08	0.1994	0.146	0.052272
12687-2	DECR	DECR	2,4-dienoyl-CoA reductase, mitochondrial	Q16698	DECR1	1666	TRUE	0.11	0.1477	0.793	0.051702
12689-56	ARC1B	ARC1B	Actin-related protein 2/3 complex subunit 1B	O15143	ARPC1B	10095	TRUE	0.52	0.3824	0.922	0.066686
12690-33	10-Sep	10-Sep	Septin-10 Serine hydroxymethyltransferase, mitochondrial	Q9P0V9	SEPTIN1	15101	TRUE	0.09	0.0878	0.141	0.041773
12691-44	GLYM	GLYM	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha	P34897	SHMT2	6472	TRUE	0.1	0.211	1.001	0.041857
12697-30	PI42A	PI42A	Importin subunit alpha-3	P48426	PIP4K2A	5305	TRUE	0.17	0.2125	0.83	0.066062
12698-72	IMA4	IMA4	T-complex protein 1 subunit theta	O00629	KPNA4	3840	TRUE	0.06	0.1599	0.228	0.089179
12699-28	TCP-1-theta	TCP-1-theta	ATP-citrate synthase Eukaryotic translation initiation factor 1b	P50990	CCT8	10694	TRUE	0.28	0.4936	0.828	0.09489
12700-9	ACLY	ACLY	E3 ubiquitin-protein ligase pellino homolog 2	P53396	ACLY	47	TRUE	0.08	0.0845	0.084	0.046023
12701-1	EIF1B	EIF1B	Serine/threonine-protein kinase Nek7	O60739	EIF1B	10289	TRUE	0.63	0.6703	0.961	0.073994
12702-13	PELI2	PELI2	SH2 domain-containing protein 3C	Q9HAT8	PELI2	57161	TRUE	0.12	0.1985	2.407	0.029793
12703-6	NEK7	NEK7	Probable E3 ubiquitin-protein ligase HERC1	Q8TDX7	NEK7	9	TRUE	0.22	0.3205	0.972	0.066189
12704-26	SH2D3	SH2D3	Serine/threonine-protein kinase MRCK alpha	Q8N5H7	SH2D3C	10044	TRUE	0.14	0.1806	0.272	0.042496
12705-9	HERC1	HERC1	Dihydropyrimidinase-related protein 3	Q15751	HERC1	8925	TRUE	0.11	0.2197	0.627	0.106131
12706-2	MRCKA	MRCKA	Histone H1x	Q5VT25	CDC42B	8476	TRUE	0.2	0.2693	0.233	0.043347
12707-26	DPYL3	DPYL3	Gap junction alpha-8 protein	Q14195	DPYSL3	1809	TRUE	0.07	0.3416	0.348	0.03573
12709-63	H1X	H1X		Q92522	H1-10	8971	TRUE	0.06	0.1596	2.445	0.045201
12711-19	CXA8	CXA8		P48165	GJA8	2703	TRUE	0.13	0.1049	1.681	0.089703

12713-365	RGS19	RGS19	Regulator of G-protein signaling 19	P49795	RGS19	10287	TRUE	0.14	0.1721	0.135	0.029518
12714-38	AP1G2	AP1G2	AP-1 complex subunit gamma-like 2	O75843	AP1G2	8906	TRUE	0.07	0.172	0.858	0.078242
12716-3	ZN175	ZN175	Zinc finger protein 175	Q9Y473	ZNF175	7728	TRUE	0.15	0.1025	0.146	0.01422
12718-43	PIN4	PIN4	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4	Q9Y237	PIN4	5303	TRUE	0.07	0.2542	0.845	0.067934
12720-71	UBQL4	UBQL4	Ubiquilin-4	Q9NRR5	UBQLN4	56893	TRUE	0.06	0.0767	0.548	0.039244
12721-4	TAXB1	TAXB1	Tax1-binding protein 1	Q86VP1	TAX1BP1	8887	TRUE	0.09	0.1101	1.199	0.042242
12724-81	CIRBP	CIRBP	Cold-inducible RNA-binding protein	Q14011	CIRBP	1153	TRUE	0.09	0.1929	0.841	0.051091
12727-7	FPRP	FPRP	Prostaglandin F2 receptor negative regulator	Q9P2B2	PTGFRN	5738	TRUE	0.11	0.1615	0.263	0.037873
12729-12	PSMG3	PSMG3	Proteasome assembly chaperone 3	Q9BT73	PSMG3	84262	TRUE	0.06	0.1551	0.594	0.048112
12730-3	KNTC2	KNTC2	Kinetochore protein NDC80 homolog	O14777	NDC80	10403	TRUE	0.18	0.1475	0.105	0.051604
12732-13	MPP7	MPP7	MAGUK p55 subfamily member 7	Q5T2T1	MPP7	14309	TRUE	0.11	0.1351	0.156	0.056588
12735-39	CSDE1	CSDE1	Cold shock domain-containing protein E1	O75534	CSDE1	8	TRUE	0.06	0.126	1.805	0.051383
12737-12	PLSI	PLSI	Plastin-1	Q14651	PLS1	7812	TRUE	0.07	0.1551	1.682	0.06868
12738-43	NISCH	NISCH	Nischarin	Q9Y2I1	NISCH	5357	TRUE	0.1	0.1203	0.17	0.060848
12740-55	FEV	FEV	Protein FEV	Q99581	FEV	54738	TRUE	0.07	0.1073	0.531	0.031268
12742-160	TMM8B	TMM8B	Transmembrane protein 8B	A6NDV4	TMEM8B	51754	TRUE	0.12	0.1097	0.613	0.041332
12746-4	CYH4	CYH4	Cytohesin-4	Q9UIA0	CYTH4	27128	TRUE	0.13	0.173	0.152	0.046282
12747-89	RBM3	RBM3	RNA-binding protein 3	P98179	RBM3	5935	TRUE	0.09	0.1484	0.618	0.022741
12748-6	BRDT	BRDT	Bromodomain testis-specific protein	Q58F21	BRDT	676	TRUE	0.13	0.1233	0.219	0.081985
12750-9	LFA-1	LFA-1	Integrin beta-2	P05107	ITGB2	3689	TRUE	0.1	0.1223	4.276	0.040266
12751-26	ZHX1	ZHX1	Zinc fingers and homeoboxes protein 1	Q9UKY1	ZHX1	11244	TRUE	0.1	0.1094	0.581	0.062631
12754-14	CSDC2	CSDC2	Cold shock domain-containing protein C2	Q9Y534	CSDC2	27254	TRUE	0.18	0.2069	0.315	0.038289
12756-3	BACH2	BACH2	Transcription regulator protein BACH2	Q9BYV9	BACH2	60468	TRUE	0.14	0.2515	0.411	0.090689
12758-47	GRID2	GRID2	Glutamate receptor ionotropic, delta-2	O43424	GRID2	2895	TRUE	0.08	0.1232	0.576	0.095462
12759-47	DRBP76	DRBP76	Interleukin enhancer-binding factor 3	Q12906	ILF3	3609	TRUE	0.11	0.1296	0.167	0.10614

Accession	Gene	Protein	Description	QID	Gene	Protein	Score	True	0.08	0.0883	1.41	0.065525
12761-12	APBB2	APBB2:ID 2	Amyloid beta A4 precursor protein-binding family B member Interaction Domain 2	Q92870	APBB2	323	TRUE	0.08	0.0883	1.41	0.065525	
12763-69	ZN334	ZN334	Zinc finger protein 334	Q9HCZ1	ZN334	55713	TRUE	0.05	0.1573	0.145	0.044782	
12764-3	ELMO1	ELMO1	Engulfment and cell motility protein 1	Q92556	ELMO1	9844	TRUE	0.1	0.2719	0.709	0.09596	
12766-33	GP142	GP142	Probable G-protein coupled receptor 142	Q7Z601	GP142	35038	TRUE	0.08	0.1242	2.827	0.038206	
12768-3	PPR3B	PPR3B	Protein phosphatase 1 regulatory subunit 3B	Q86XI6	PPR3B	79660	TRUE	0.07	0.0868	1.445	0.074879	
12772-8	NUP98	NUP98	Nuclear pore complex protein Nup98-Nup96	P52948	NUP98	4928	TRUE	0.12	0.0934	0.339	0.068688	
12774-12	HCN1	HCN1	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1	O60741	HCN1	34898	TRUE	0.09	0.1396	0.779	0.106643	
12775-6	HMGB3	HMGB3	High mobility group protein B3	O15347	HMGB3	3149	TRUE	0.16	0.281	0.158	0.114909	
12777-11	SF01	SF01	Splicing factor 1	Q15637	SF1	7536	TRUE	0.06	0.0854	0.108	0.035752	
12779-30	PRDM4	PRDM4	PR domain zinc finger protein 4	Q9UKN5	PRDM4	11108	TRUE	0.09	0.1167	0.426	0.091342	
12781-2	TRBP2	TRBP2	RISC-loading complex subunit TARBP2	Q15633	TARBP2	6895	TRUE	0.06	0.0994	0.414	0.043702	
12783-29	HNRPM	HNRPM	Heterogeneous nuclear ribonucleoprotein M	P52272	HNRNP M	4670	TRUE	0.07	0.2681	0.303	0.103156	
12786-61	GDE5	GDE5	Glycerophosphocholine phosphodiesterase	Q9NPB8	GPCPD1	56261	TRUE	0.08	0.1478	0.37	0.039906	
12793-4	PIWL1	PIWL1	Piwi-like protein 1	Q96J94	PIWIL1	9271	TRUE	0.16	0.0842	3.55	0.045372	
12795-2	ZN566	ZN566	Zinc finger protein 566	Q969W8	ZN566	84924	TRUE	0.08	0.1566	0.161	0.0485	
12798-46	S4A8	S4A8	Electroneutral sodium bicarbonate exchanger 1	Q2Y0W8	SLC4A8	9498	TRUE	0.08	0.1982	0.527	0.046461	
12799-65	DJC27	DJC27	DnaJ homolog subfamily C member 27	Q9NZQ0	DNAJC2	51277	TRUE	0.19	0.2024	1.147	0.051446	
12800-5	TPPP2	TPPP2	Tubulin polymerization-promoting protein family member 2	P59282	TPPP2	12266	TRUE	0.12	0.1879	0.298	0.062757	
12801-33	IRF2	IRF2	Interferon regulatory factor 2	P14316	IRF2	3660	TRUE	0.07	0.1606	1.077	0.032003	
12807-89	RHG30	RHG30	Rho GTPase-activating protein 30	Q7Z6I6	ARHGAP	25710	TRUE	0.12	0.1045	0.111	0.051146	

12808-103	CHSP1	CHSP1	Calcium-regulated heat-stable protein 1	Q9Y2V2	CARHSP1	23589	TRUE	0.06	0.1149	0.384	0.039267
12811-55	ZN415	ZN415	Zinc finger protein 415	Q09FC8	ZNF415	55786	TRUE	0.07	0.1272	1.382	0.048444
12812-25	ACYP2	ACYP2	Acylphosphatase-2	P14621	ACYP2	98	TRUE	0.09	0.2046	0.407	0.0474
12813-18	EHBP1	EHBP1	EH domain-binding protein 1	Q8NDI1	EHBP1	23301	TRUE	0.09	0.1243	0.215	0.04325
12815-9	SYIC	SYIC	Isoleucine--tRNA ligase, cytoplasmic	P41252	IARS1	3376	TRUE	0.58	0.0852	0.521	0.053821
12817-1	GEM	GEM	GTP-binding protein GEM	P55040	GEM	2669	TRUE	0.11	0.1237	0.428	0.048734
12818-159	UT2	UT2	Urea transporter 2	Q15849	SLC14A2	8170	TRUE	0.23	0.1524	0.229	0.064367
12820-1	GRAP	GRAP	GRB2-related adapter protein	Q13588	GRAP	10750	TRUE	0.13	0.2289	0.229	0.067827
12821-6	NAL10	NAL10	NACHT, LRR and PYD domains-containing protein 10	Q86W26	NLRP10	33832	TRUE	0.15	0.163	3.456	0.099497
12825-18	DP13A	DP13A	DCC-interacting protein 13-alpha	Q9UKG1	APPL1	26060	TRUE	0.15	0.1115	0.964	0.049714
12826-5	SC5A5	SC5A5	Sodium/iodide cotransporter	Q92911	SLC5A5	6528	TRUE	0.09	0.1777	0.941	0.039393
12827-37	RGS3	RGS3	Regulator of G-protein signaling 3	P49796	RGS3	5998	TRUE	0.14	0.1457	1.045	0.076124
12830-4	SAP18	SAP18	Histone deacetylase complex subunit SAP18	O00422	SAP18	10284	TRUE	0.06	0.0804	0.226	0.050631
12831-21	TESC	TESC	Calcineurin B homologous protein 3	Q96BS2	TESC	54997	TRUE	0.1	0.1186	0.319	0.014187
12832-10	ASH2L	ASH2L	Set1/Ash2 histone methyltransferase complex subunit ASH2	Q9UBL3	ASH2L	9070	TRUE	0.09	0.0961	0.086	0.174989
12834-3	KCNF1	KCNF1	Potassium voltage-gated channel subfamily F member 1	Q9H3M0	KCNF1	3754	TRUE	0.07	0.1102	0.177	0.056033
12838-28	DUS15	DUS15	Dual specificity protein phosphatase 15	Q9H1R2	DUSP15	12885	TRUE	0.09	0.1068	1.212	0.068088
12842-43	STX10	STX10	Syntaxin-10	O60499	STX10	8677	TRUE	0.11	0.1337	2.892	0.070306
12845-18	SNX17	SNX17	Sorting nexin-17	Q15036	SNX17	9784	TRUE	0.15	0.2195	0.226	0.038981
12846-3	FBXL5	FBXL5	F-box/LRR-repeat protein 5	Q9UKA1	FBXL5	26234	TRUE	0.13	0.0814	0.259	0.100461
12848-9	ARHG2	ARHG2	Rho guanine nucleotide exchange factor 2	Q92974	ARHGEF2	9181	TRUE	0.08	0.2567	0.29	0.076061
12851-5	DPOLM	DPOLM	DNA-directed DNA/RNA polymerase mu	Q9NP87	POLM	27434	TRUE	0.19	0.1107	0.886	0.079724
12853-112	TMOD2	TMOD2	Tropomodulin-2	Q9NZR1	TMOD2	29767	TRUE	0.08	0.0987	0.93	0.056692

12854-3	TEAD3	TEAD3	Transcriptional enhancer factor TEF-5	Q99594	TEAD3	7005	TRUE	0.08	0.1564	0.485	0.034755
12855-16	CT032	CT032	Cas scaffolding protein family member 4	Q9NQ75	CASS4	57091	TRUE	0.1	0.1552	3.769	0.055225
12856-14	TM237	TM237	Transmembrane protein 237	Q96Q45	TMEM237	65062	TRUE	0.12	0.1723	0.762	0.053391
12859-33	PECI	PECI	Enoyl-CoA delta isomerase 2, mitochondrial	O75521	ECI2	10455	TRUE	0.07	0.0962	0.592	0.025935
12860-7	cAMP-regulated phosphoprotein 21	cAMP-regulated phosphoprotein 21	cAMP-regulated phosphoprotein 21	Q9UBL0	ARPP21	10777	TRUE	0.08	0.115	0.157	0.09109
12861-13	TMOD3	TMOD3	Tropomodulin-3	Q9NYL9	TMOD3	29766	TRUE	0.11	0.2298	1.004	0.054675
12864-9	NIPA4	NIPA4	Magnesium transporter NIPA4	Q0D2K0	NIPAL4	34893	TRUE	0.13	0.2266	1.112	0.069969
12867-40	DYLT3	DYLT3	Dynein light chain Tctex-type 3	P51808	DYNLT3	6990	TRUE	0.06	0.0889	0.413	0.034449
12869-68	DDX6	DDX6	Probable ATP-dependent RNA helicase DDX6	P26196	DDX6	1656	TRUE	0.14	0.8025	1.087	0.087411
12871-10	TWF1	TWF1	Twinfilin-1	Q12792	TWF1	5756	TRUE	0.05	0.1264	0.394	0.072932
12873-11	LEUK	LEUK	Leukosialin	P16150	SPN	6693	TRUE	0.08	0.1336	0.363	0.052297
12878-60	OSB11	OSB11	Oxysterol-binding protein-related protein 11	Q9BXB4	OSBPL11	11488	TRUE	0.07	0.1799	2.397	0.039329
12880-1	SV2A	SV2A	Synaptic vesicle glycoprotein 2A	Q7L0J3	SV2A	9900	TRUE	0.12	0.0855	0.137	0.024788
12881-17	RDH16	RDH16	Retinol dehydrogenase 16	O75452	RDH16	8608	TRUE	0.15	0.164	0.371	0.042612
12882-7	PAR11	PAR11	Poly [ADP-ribose] polymerase 11	Q9NR21	PARP11	57097	TRUE	0.11	0.1875	0.106	0.06851
12885-42	NR1D2	NR1D2	Nuclear receptor subfamily 1 group D member 2	Q14995	NR1D2	9975	TRUE	0.1	0.1579	0.448	0.087832
12888-18	SAP30	SAP30	Histone deacetylase complex subunit SAP30	O75446	SAP30	8819	TRUE	0.12	0.133	0.456	0.036138
12891-1	MILK2	MILK2	MICAL-like protein 2	Q8IY33	MICALL2	79778	TRUE	0.15	0.1284	0.486	0.063865
12893-159	IP16	IP16:HIN2	Gamma-interferon-inducible protein 16:Isoform 2, Hematopoietic expression, interferon-inducible nature, and nuclear localization 2	Q16666	IFI16	3428	TRUE	0.08	0.2502	0.595	0.095979

12894-3	PAXI1	PAXI1	PAX-interacting protein 1	Q6ZW49	PAXIP1	22976	TRUE	0.14	0.2993	0.268	0.080861
12895-28	DGKB	DGKB	Diacylglycerol kinase beta	Q9Y6T7	DGKB	1607	TRUE	0.16	0.1379	0.214	0.055715
12916-3	MTCP1	MTCP1	Protein p13 MTCP-1	P56278	MTCP1	4515	TRUE	0.14	0.2386	0.284	0.085227
12923-51	Keratin 17	Keratin 17	Keratin, type I cytoskeletal 17	Q04695	KRT17	3872	TRUE	0.22	0.2852	0.29	0.084682
12931-16	MCR	MCR	Mineralocorticoid receptor	P08235	NR3C2	4306	TRUE	0.06	0.1777	1.158	0.090556
12934-1	HERC5	HERC5	E3 ISG15--protein ligase HERC5	Q9UII4	HERC5	51191	TRUE	0.15	0.2166	0.092	0.054418
12936-38	RLBP1	RLBP1	Retinaldehyde-binding protein 1	P12271	RLBP1	6017	TRUE	0.07	0.1537	1.116	0.063053
12939-1	RPAC1	RPAC1	DNA-directed RNA polymerases I and III subunit RPAC1	O15160	POLR1C	9533	TRUE	0.28	0.2513	0.245	0.077375
12940-35	AL3B1	AL3B1	Aldehyde dehydrogenase family 3 member B1	P43353	ALDH3B1	221	TRUE	0.14	0.1001	0.377	0.119815
12954-71	PPARa	PPARa	Peroxisome proliferator-activated receptor alpha	Q07869	PPARA	5465	TRUE	0.11	0.186	0.372	0.159333
12956-40	KBP	KBP	KIF1-binding protein	Q96EK5	KIFBP	26128	TRUE	0.13	0.2416	1.089	0.11438
12957-62	UCR6	UCR6	Cytochrome b-c1 complex subunit 7	P14927	UQCRB	7381	TRUE	0.12	0.1133	0.116	0.097928
12960-9	HXK4	HXK4	Glucokinase	P35557	GCK	2645	TRUE	0.18	0.137	0.106	0.080346
12968-2	CSRP2	CSRP2	Cysteine and glycine-rich protein 2	Q16527	CSRP2	1466	TRUE	0.28	0.19	0.327	0.05362
12975-11	Keratin 20	Keratin 20	Keratin, type I cytoskeletal 20	P35900	KRT20	54474	TRUE	0.08	0.1704	0.342	0.045812
12976-49	Vinexin b	Vinexin b	Vinexin b	O60504	SORBS3	10174	TRUE	0.17	0.1049	3.175	0.155256
12980-31	RBM22	RBM22	Pre-mRNA-splicing factor RBM22	Q9NW64	RBM22	55696	TRUE	0.06	0.0949	1.518	0.063418
12987-12	SRSF7	SRSF7	Serine/arginine-rich splicing factor 7	Q16629	SRSF7	6432	TRUE	0.07	0.1395	1.994	0.049131
12988-49	EWS	EWS	RNA-binding protein EWS	Q01844	EWSR1	2130	TRUE	0.1	0.2249	0.217	0.116037
12990-39	MAP3K3	MAP3K3	Mitogen-activated protein kinase kinase kinase 3	Q99759	MAP3K3	4215	TRUE	0.18	0.1627	2.816	0.06274
12991-49	CUL9	CUL9	Cullin-9	Q8IWT3	CUL9	23113	TRUE	0.13	0.2537	0.294	0.110984
12993-21	NPL4	NPL4	Nuclear protein localization protein 4 homolog	Q8TAT6	NPLOC4	55666	TRUE	0.27	0.3869	0.853	0.10988
13007-66	LCN10	LCN10	Epididymal-specific lipocalin-10	Q6JVE6	LCN10	41433 2	TRUE	0.25	0.2814	0.255	0.105808

13093-6	SECTM1	SECTM1	Secreted and transmembrane protein 1	Q8WVN6	SECTM1	6398	TRUE	0.14	0.1924	0.273	0.070873
13094-75	RSPO3	RSPO3	R-spondin-3	Q9BXY4	RSPO3	84870	TRUE	0.19	0.1933	0.302	0.096263
13095-51	PSP	PSP	Lithostathine-1-alpha	P05451	REG1A	5967	TRUE	0.1	0.1343	0.583	0.068646
Apoptosis is											
13097-11	Bcl-W	Bcl-W	regulator	Q92843	BCL2L2	599	TRUE	0.11	0.2169	0.197	0.076287
13098-93	VEGF-D	VEGF-D	Vascular endothelial growth factor D	O43915	VEGFD	2277	TRUE	0.12	0.1546	0.275	0.051383
13101-60	SOST	SOST	Sclerostin	Q9BQB4	SOST	50964	TRUE	0.1	0.3311	0.206	0.112405
13102-1	FAM3D	FAM3D	Protein FAM3D	Q96BQ1	FAM3D	7	TRUE	0.12	0.1795	0.598	0.085806
13103-125	CSH	CSH	Chorionic somatomammotropin hormone	PODML3 PODML2	CSH2 CS H1	1442	TRUE	0.31	0.3777	0.341	0.081717
13105-7	SNP25	SNP25	Synaptosomal-associated protein 25	P60880	SNAP25	6616	TRUE	0.44	0.1969	0.372	0.034745
13109-82	NEGR1	NEGR1	Neuronal growth regulator 1	Q7Z3B1	NEGR1	25719	TRUE	0.12	0.1241	0.165	0.086572
13111-79	BCL6	BCL6	B-cell lymphoma 6 protein	P41182	BCL6	604	TRUE	0.14	0.164	1.431	0.057102
13112-179	FSTL1	FSTL1	Follistatin-related protein 1	Q12841	FSTL1	11167	TRUE	0.08	0.2026	0.158	0.056382
13114-50	Lumican	Lumican	Lumican	P51884	LUM	4060	TRUE	0.1	0.1438	0.189	0.082711
13116-25	CD177	CD177	CD177 antigen	Q8N6Q3	CD177	57126	TRUE	0.1	0.1998	1.054	0.078771
13117-232	CHKB	CHKB	Choline/ethanolamine kinase	Q9Y259	CHKB	1120	TRUE	0.26	0.6408	0.347	0.088941
13118-5	SMOC1	SMOC1	SPARC-related modular calcium-binding protein 1	Q9H4F8	SMOC1	64093	TRUE	0.11	0.1672	0.148	0.048059
13119-26	protein Z inhibitor	protein Z inhibitor	Protein Z-dependent protease inhibitor	Q9UK55	SERPINA10	51156	TRUE	0.13	0.0847	0.248	0.054353
13122-19	FLRT2	FLRT2	Leucine-rich repeat transmembrane protein	O43155	FLRT2	23768	TRUE	0.09	0.1486	0.191	0.061831
13123-3	FLRT3	FLRT3:E CD	Leucine-rich repeat transmembrane protein FLRT3:Extracellular domain	Q9NZU0	FLRT3	23767	TRUE	0.19	0.1931	0.269	0.106416

Accession	Gene Symbol	Gene Name	Protein Name	UniProt ID	EC Number	Molecular Weight (kDa)	Is True	Score 1	Score 2	Score 3	Score 4
13124-20	ISLR2	ISLR2	Immunoglobulin superfamily containing leucine-rich repeat protein 2	Q6UXK2	ISLR2	57611	TRUE	0.07	0.1786	0.198	0.072073
13125-45	Vitronectin	Vitronectin	Vitronectin	P04004	VTN	7448	TRUE	0.11	0.1206	0.471	0.041273
13130-150	HXK2	HXK2	Hexokinase-2	P52789	HK2	3099	TRUE	0.06	0.1344	0.608	0.053502
13131-5	HXK1	HXK1	Hexokinase-1	P19367	HK1	3098	TRUE	0.21	0.2285	0.216	0.069754
13132-14	SEM5A	SEM5A	Semaphorin-5A	Q13591	SEMA5A	9037	TRUE	0.09	0.104	0.247	0.057144
13133-73	LTBP4	LTBP4	Latent-transforming growth factor beta-binding protein 4	Q8N2S1	LTBP4	8425	TRUE	0.15	0.3526	0.27	0.125774
13228-75	MDM2	MDM2	E3 ubiquitin-protein ligase Mdm2	Q00987	MDM2	4193	TRUE	0.12	0.1682	0.265	0.072101
13229-20	MDM4	MDM4	Protein Mdm4	O15151	MDM4	4194	TRUE	0.17	0.1306	0.269	0.07787
13231-90	IgG4, Kappa	IgG4, Kappa	Ig gamma-4, Kappa	P01861	IGHG4		TRUE	0.11	0.1848	0.532	0.083175
13236-25	WNT3A	WNT3A	Protein Wnt-3a	P56704	WNT3A	89780	TRUE	0.07	0.1676	0.322	0.042107
13242-134	SHAN3	SHAN3	SH3 and multiple ankyrin repeat domains protein 3	Q9BYB0	SHANK3		TRUE	0.14	0.183	0.587	0.118239
13256-21	SHAN1	SHAN1	SH3 and multiple ankyrin repeat domains protein 1	Q9Y566	SHANK1	50944	TRUE	0.14	0.0828	0.277	0.060966
13268-45	WNT5A	WNT5A	Protein Wnt-5a	P41221	WNT5A	7474	TRUE	0.07	0.2543	0.438	0.051672
13374-4	DB113	DB113	Beta-defensin 113	Q30KQ7	DEFB113	7	TRUE	0.08	0.1778	2.258	0.12704
13377-3	C56D1	C56D1	Cytochrome b561 domain-containing protein 1	Q8N8Q1	D1	3	TRUE	0.11	0.1555	0.165	0.137944
13378-80	YD286	YD286	Glutaredoxin-like protein C5orf63	A6NC05	C5orf63	7	TRUE	0.14	0.1835	0.848	0.062393
13381-49	B4GT1	B4GT1	Beta-1,4-galactosyltransferase 1	P15291	B4GALT1	2683	TRUE	0.09	0.1416	0.16	0.063978
13384-110	FUMH	FUMH	Fumarate hydratase, mitochondrial	P07954	FH	2271	TRUE	0.15	0.3776	0.761	0.049437
13387-55	EHF	EHF	ETS homologous factor	Q9NZC4	EHF	26298	TRUE	0.06	0.0824	0.702	0.094784
13388-57	NEC1	NEC1	Neuroendocrine convertase 1	P29120	PCSK1	5122	TRUE	0.1	0.0836	0.288	0.074108
13392-13	AT1B1	AT1B1	Sodium/potassium-transporting ATPase subunit beta-1	P05026	ATP1B1	481	TRUE	0.3	0.1304	0.254	0.068775
13393-46	DERL1	DERL1	Derlin-1	Q9BUN8	DERL1	79139	TRUE	0.11	0.1065	0.855	0.083577

13397-88	HBD-2	HBD-2	Beta-defensin 4A	O15263	DEFB4A	10028 9462	TRUE	0.21	0.1799	1.321	0.067243
13399-33	RELL1	RELL1	RELT-like protein 1	Q8IUW5	RELL1	76821 1	TRUE	0.16	0.1881	0.408	0.050229
13405-61	ISK2	ISK2	Serine protease inhibitor Kazal-type 2	P20155	SPINK2	6691	TRUE	0.09	0.0887	0.781	0.076133
13406-161	CLM6	CLM6	CMRF35-like molecule 6 WAP, Kazal, immunoglobulin, Kunitz and NTR domain-	Q08708	CD300C	10871	TRUE	0.06	0.0904	2.887	0.07811
13408-23	WFKN2	WFKN2	containing protein 2	Q8TEU8	WFIKKN	12485 2	TRUE	0.1	0.1809	0.249	0.051957
13416-8	T132D	T132D	Transmembrane protein 132D	Q14C87	TMEM1	12125 32D	TRUE	0.09	0.1316	0.41	0.0662
13421-17	KISHB	KISHB	Protein kish-B	Q9NRX6	TMEM1	67B 56900	TRUE	0.12	0.1711	0.822	0.067376
13422-66	ENOX2	ENOX2	Ecto-NOX disulfide-thiol exchanger 2	Q16206	ENOX2	10495	TRUE	0.22	0.3155	0.13	0.153951
13423-94	CJ058	CJ058	Redox-regulatory protein FAM213A	Q9BRX8	PRXL2A	84293	TRUE	0.09	0.1752	1.942	0.04177
13427-66	MA1C1	MA1C1	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IC	Q9NR34	MAN1C1	57134	TRUE	0.08	0.1184	0.133	0.063136
13429-3	WF10A	WF10A	WAP four-disulfide core domain protein 10A	Q9H1F0	WFDC10	14083 A	TRUE	0.11	0.2304	1.492	0.115842
13430-50	UT1	UT1	Urea transporter 1	Q13336	SLC14A1	6563	TRUE	0.12	0.1884	0.081	0.040026
13431-74	F159A	F159A	Membrane protein FAM159A	Q6UWV7	SHISAL2	34837 A	TRUE	0.13	0.1662	6.746	0.067624
13432-9	ZFY27	ZFY27:C D region 1	Protrudin:Cytoplasmic domain, region 1, isoform 6	Q5T4F4	ZFYVE27	11881 3	TRUE	0.14	0.0951	2.03	0.072353
13434-172	PARVA	PARVA	Alpha-parvin	Q9NVD7	PARVA	55742	TRUE	0.06	0.1208	0.283	0.169606
13435-31	IL-20 Rb	IL-20 Rb	Interleukin-20 receptor subunit beta	Q6UXL0	IL20RB	53833	TRUE	0.06	0.1274	2.187	0.086825
13436-54	MAZ	MAZ	Myc-associated zinc finger protein	P56270	MAZ	4150	TRUE	0.07	0.0778	0.162	0.034618
13438-115	CHRD	CHRD	Chordin	Q9H2X0	CHRD	8646	TRUE	0.09	0.6439	4.919	0.069483
13439-6	IQCF3	IQCF3	IQ domain-containing protein F3	P0C7M6	IQCF3	40106 7	TRUE	0.13	0.2364	0.143	0.053054
13447-42	SPRN	SPRN	Shadow of prion protein	Q5BIV9	SPRN	50354 2	TRUE	0.1	0.2734	0.163	0.114425
13449-25	SF3B4	SF3B4	Splicing factor 3B subunit 4	Q15427	SF3B4	10262	TRUE	0.06	0.1144	0.524	0.063442
13450-49	UBP8	UBP8	Ubiquitin carboxyl- terminal hydrolase 8	P40818	USP8	9101	TRUE	0.1	0.1154	0.915	0.075084
13452-113	SIM13	SIM13	Small integral membrane protein 13	P0DJ93	SMIM13	22171 0	TRUE	0.1	0.1002	0.104	0.07041

13453-2	RM33	RM33	39S ribosomal protein L33, mitochondrial	O75394	MRPL33	9553	TRUE	0.23	0.3016	0.43	0.036393
13457-33	ELF5	ELF5	ETS-related transcription factor Elf-5	Q9UKW6	ELF5	2001	TRUE	0.08	0.1103	1.113	0.081752
13460-4	CHAD	CHAD	Chondroadherin	O15335	CHAD	1101	TRUE	0.1	0.131	0.343	0.060789
13463-1	PXDN	PXDN	Peroxidasin homolog	Q92626	PXDN	7837	TRUE	0.1	0.1437	0.416	0.060164
13465-5	CCP1	CCP1	Calciopressin-1	P53805	RCAN1	1827	TRUE	0.16	0.175	1.47	0.116015
13468-5	NEUL4	NEUL4	Neuralized-like protein 4 Parathyroid hormone/parathyroid hormone-related peptide receptor	Q96JN8	NEURL4	84461	TRUE	0.18	0.2974	0.273	0.150993
13470-43	PTH1R	PTH1R	Haloacid dehalogenase-like hydrolase domain-containing protein 2	Q03431	PTH1R	5745	TRUE	0.11	0.1639	0.383	0.079643
13472-35	HDHD2	HDHD2	Inositol-trisphosphate 3-kinase A	Q9H0R4	HDHD2	84064	TRUE	0.07	2.4636	0.768	0.104508
13473-55	IP3KA	IP3KA	Glutathione S-transferase kappa 1	P23677	ITPKA	3706	TRUE	0.07	0.0945	0.416	0.100034
13474-40	GSTK1	GSTK1	Ubiquitin-conjugating enzyme E2 D4	Q9Y2Q3	GSTK1	6	TRUE	0.11	0.1536	0.888	0.075475
13475-10	UB2D4	UB2D4	DNA/RNA-binding protein KIN17	Q9Y2X8	UBE2D4	51619	TRUE	0.22	0.1478	0.608	0.120589
13476-16	KIN17	KIN17	Leukotriene B4 receptor 1	O60870	KIN	22944	TRUE	0.13	0.1554	0.712	0.073384
13477-65	LT4R1	LT4R1	Protein FAM171A2	Q15722	LTB4R	1241	TRUE	0.08	0.1016	0.924	0.042779
13479-8	F1712	F1712	Transcription elongation factor A protein 2	A8MVW	FAM171	28406	TRUE	0.13	0.1562	0.616	0.060749
13481-24	TCEA2	TCEA2	CCR4-NOT transcription complex subunit 1	Q15560	TCEA2	6919	TRUE	0.09	0.1295	0.135	0.065131
13482-14	CNOT1	CNOT1	Collagen alpha-1(I) chain:N-term propeptide	A5YKK6	CNOT1	23019	TRUE	0.07	0.3201	1.646	0.082223
13484-69	CO1A1	CO1A1	Transmembrane protein 87B	P02452	COL1A1	1277	TRUE	0.12	0.1466	0.994	0.085368
13485-20	TM87B	TM87B	Polycystin-2:Cytoplasmic domain 1	Q96K49	TMEM8	84910	TRUE	0.12	0.1348	0.148	0.058566
13486-9	PKD2	PKD2	Arfaptin-1	Q13563	PKD2	5311	TRUE	0.07	0.1736	0.479	0.055655
13488-3	ARFP1	ARFP1		P53367	ARFIP1	27236	TRUE	0.09	0.1266	0.807	0.045976

13491-40	PDE6D	PDE6D	Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta	O43924	PDE6D	5147	TRUE	0.08	0.118	0.654	0.132961
13492-44	HSPA9B	HSPA9B	Stress-70 protein, mitochondrial	P38646	HSPA9	3313	TRUE	0.06	0.1012	0.57	0.063566
13493-5	GRID1	GRID1	Glutamate receptor ionotropic, delta-1	Q9ULK0	GRID1	2894	TRUE	0.11	0.1699	1.394	0.112348
13495-48	HCAR2	HCAR2	Hydroxycarboxylic acid receptor 2	Q8TDS4	HCAR2	33844 2	TRUE	0.14	0.165	0.35	0.066437
13496-19	HMCS1	HMCS1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	Q01581	HMGCS1	3157	TRUE	0.24	0.7079	0.722	0.075746
13497-34	EIF3J	EIF3J	Eukaryotic translation initiation factor 3 subunit J	O75822	EIF3J	8669	TRUE	0.2	0.3862	0.666	0.096625
13498-1	MIOX	MIOX	Inositol oxygenase	Q9UGB7	MIOX	55586	TRUE	0.16	0.1328	0.937	0.059948
13499-30	Coagulation Factor VIII	Coagulation Factor VIII	Coagulation Factor VIII	P00451	F8	2157	TRUE	0.11	0.1497	0.347	0.10892
13502-2	S2611	S2611	Sodium-independent sulfate anion transporter	Q86WA9	SLC26A1 1	28412 9	TRUE	0.11	0.1608	3.615	0.06604
13503-19	PRAF3	PRAF3	PRA1 family protein 3	O75915	ARL6IP5	10550	TRUE	0.1	0.1624	1.095	0.103897
13509-5	SCAM5	SCAM5	Secretory carrier-associated membrane protein 5	Q8TAC9	SCAMP5	19268 3	TRUE	0.34	0.2175	0.427	0.08314
13510-7	AT2A3	AT2A3	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3	Q93084	ATP2A3	489	TRUE	0.1	0.119	0.454	0.094648
13511-29	SATB1	SATB1	DNA-binding protein SATB1	Q01826	SATB1	6304	TRUE	0.1	0.2051	0.155	0.090067
13512-28	HNRPR	HNRPR	Heterogeneous nuclear ribonucleoprotein R	O43390	HNRNPR	10236	TRUE	0.18	0.0894	0.243	0.083909
13514-121	Rab-1C	Rab-1C	Ras-related protein Rab-35	Q15286	RAB35	11021	TRUE	0.2	0.1661	0.261	0.050603
13515-8	RPR1A	RPR1A	Regulation of nuclear pre-mRNA domain-containing protein 1A	Q96P16	RPRD1A	55197	TRUE	0.1	0.0915	0.174	0.081834
13516-46	TMM85	TMM85	ER membrane protein complex subunit 4	Q5J8M3	EMC4	51234	TRUE	0.08	0.1394	0.261	0.180579
13517-3	PTHD3	PTHD3	Patched domain-containing protein 3	Q3KNS1	PTCHD3	37430 8	TRUE	0.09	0.1312	0.815	0.113267
13518-5	ASAP2	ASAP2	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2	O43150	ASAP2	8853	TRUE	0.14	0.2668	0.5	0.056139

13519-112	ARHGP	ARHGP	Rho guanine nucleotide exchange factor 25	Q86VW2	ARHGEF 25	11555 7	TRUE	0.08	0.1107	0.486	0.133593
13522-20	VISL1	VISL1	Visinin-like protein 1	P62760	VSNL1	7447	TRUE	0.08	0.1132	2.533	0.10811
13524-25	H6ST2	H6ST2	Heparan-sulfate 6-O-sulfotransferase 2	Q96MM7	HS6ST2	90161	TRUE	0.08	0.1163	0.343	0.104756
13525-17	KCNG4	KCNG4	Potassium voltage-gated channel subfamily G member 4	Q8TDN1	KCNG4	93107	TRUE	0.11	0.2145	0.196	0.076678
13529-39	NP1L2	NP1L2	Nucleosome assembly protein 1-like 2	Q9ULW6	NAP1L2	4674	TRUE	0.09	0.1042	0.167	0.048006
13532-25	NEPR1	NEPR1	Nuclear envelope phosphatase-regulatory subunit 1	Q8N9A8	CNEP1R 1	25591 9	TRUE	0.07	0.1063	0.169	0.090532
13534-20	MYOM2	MYOM2	Myomesin-2	P54296	MYOM2	9172	TRUE	0.08	0.1909	2.948	0.10517
13535-2	C43BP	C43BP:PH domain	Collagen type IV alpha-3-binding protein:PH domain	Q9Y5P4	CERT1	10087	TRUE	0.08	0.0906	0.628	0.099558
13539-131	KCNN1	KCNN1	Small conductance calcium-activated potassium channel protein 1	Q92952	KCNN1	3780	TRUE	0.14	0.1103	0.224	0.058402
13540-1	GPR26	GPR26	G-protein coupled receptor 26	Q8NDV2	GPR26	2849	TRUE	0.16	0.259	0.34	0.069586
13541-1	MYCT1	MYCT1	Myc target protein 1	Q8N699	MYCT1	80177	TRUE	0.09	0.1646	2.048	0.073437
13543-7	LTB4DH	LTB4DH	Prostaglandin reductase 1	Q14914	PTGR1	22949	TRUE	0.07	0.1159	1.387	0.109175
13544-9	HMHA1	HMHA1	Rho GTPase-activating protein 45	Q92619	ARHGAP 45	23526	TRUE	0.09	0.0869	1.086	0.066152
13545-97	EIF1A	EIF1A	Probable RNA-binding protein EIF1AD	Q8N9N8	EIF1AD	84285	TRUE	0.09	0.1153	0.484	0.073622
13547-5	5HT7R	5HT7R	5-hydroxytryptamine receptor 7	P34969	HTR7	3363	TRUE	0.08	0.1449	1.136	0.05027
13549-15	ADA29	ADA29	Disintegrin and metalloproteinase domain-containing protein 29	Q9UKF5	ADAM29	11086	TRUE	0.11	0.1178	0.232	0.06583
13552-7	SWP70	SWP70	Switch-associated protein 70	Q9UH65	SWAP70	23075	TRUE	0.08	0.1043	0.174	0.084084
13553-4	DCNL3	DCNL3	DCN1-like protein 3	Q8IWE4	DCUN1D 3	12387 9	TRUE	0.09	0.1476	0.257	0.113267
13554-78	REPI1	REPI1	Replication initiator 1	Q9BWE0	REPIN1	29803	TRUE	0.1	0.1763	0.569	0.075977
13557-3	Nectin 3	Nectin 3	Nectin-3	Q9NQS3	NECTIN3	25945	TRUE	0.11	0.2313	0.255	0.085602
13561-5	5HT6R	5HT6R	5-hydroxytryptamine receptor 6	P50406	HTR6	3362	TRUE	0.09	0.1126	0.775	0.050566
13565-2	p130	p130	Retinoblastoma-like protein 2	Q08999	RBL2	5934	TRUE	0.08	0.2158	0.324	0.038109

13566-2	SSU72	SSU72	RNA polymerase II subunit A C-terminal domain phosphatase SSU72	Q9NP77	SSU72	29101	TRUE	0.13	0.4071	3.221	0.056552
13567-1	DPYL2	DPYL2	Dihydropyrimidinase-related protein 2	Q16555	DPYSL2	1808	TRUE	0.09	0.2706	4.145	0.058392
13572-43	PSD11	PSD11	26S proteasome non-ATPase regulatory subunit 11	O00231	PSMD11	5717	TRUE	0.14	0.2055	1.29	0.033831
13573-5	p21-ARC	p21-ARC	Actin-related protein 2/3 complex subunit 3	O15145	ARPC3	10094	TRUE	0.1	0.3927	0.829	0.056526
13574-50	RND1	RND1	Rho-related GTP-binding protein Rho6	Q92730	RND1	27289	TRUE	0.09	0.1327	2.382	0.04435
13575-40	DVL2	DVL2	Segment polarity protein dishevelled homolog DVL-2	O14641	DVL2	1856	TRUE	0.24	0.7581	0.175	0.070701
13576-15	Glutathione S-transferase Pi	Glutathione S-transferase Pi	Glutathione S-transferase P	P09211	GSTP1	2950	TRUE	0.14	1.3743	0.147	0.059234
13577-25	U2AF2	U2AF2	Splicing factor U2AF 65 kDa subunit	P26368	U2AF2	11338	TRUE	0.06	0.1849	0.64	0.024649
13578-98	ABLM3	ABLM3	Actin-binding LIM protein 3	O94929	ABLIM3	22885	TRUE	0.12	0.2302	0.67	0.045713
13580-2	Sperm-associated antigen 2	Sperm-associated antigen 2	UDP-N-acetylhexosamine pyrophosphorylase	Q16222	UAP1	6675	TRUE	0.21	0.109	0.477	0.036839
13583-19	Apaf-1	Apaf-1	Apoptotic protease-activating factor 1	O14727	APAF1	317	TRUE	0.13	0.1097	0.381	0.044834
13587-10	RGAP1	RGAP1	Rac GTPase-activating protein 1	Q9H0H5	RACGAP1	29127	TRUE	0.1	0.1334	0.651	0.056579
13589-10	APBB3	APBB3	Amyloid beta A4 precursor protein-binding family B member 3:Phosphotyrosine Interaction Domain 2, Isoform IV	O95704	APBB3	10307	TRUE	0.09	0.168	0.471	0.044005
13590-1	ORN	ORN	Oligoribonuclease, mitochondrial	Q9Y3B8	REXO2	25996	TRUE	0.07	4.5643	0.36	0.101161
13591-31	PRI1	PRI1	DNA primase small subunit	P49642	PRIM1	5557	TRUE	0.07	0.1559	3.45	0.045651
13594-158	GGA1	GGA1	ADP-ribosylation factor-binding protein GGA1	Q9UJY5	GGA1	26088	TRUE	0.07	0.1949	0.724	0.033829
13595-20	THTPA	THTPA	Thiamine-triphosphatase	Q9BU02	THTPA	79178	TRUE	0.13	0.224	0.364	0.052995
13596-3	RB27B	RB27B	Ras-related protein Rab-27B	O00194	RAB27B	5874	TRUE	0.12	0.2314	0.185	0.045986
13597-20	RAB31	RAB31	Ras-related protein Rab-31	Q13636	RAB31	11031	TRUE	0.1	0.2157	0.884	0.076311

13599-15	RABEK	RABEK	Rab9 effector protein with kelch motifs	Q7Z6M1	RABEPK	10244	TRUE	0.2	0.3474	0.264	0.164483	
13602-6	NH2L1	NH2L1	NHP2-like protein 1	P55769	SNU13	4809	TRUE	0.1	0.1774	0.241	0.042702	
13603-7	RFESD	RFESD	Rieske domain-containing protein	Q8TAC1	RFESD	31767 1	TRUE	0.14	0.2324	0.151	0.060392	
13604-27	NEUL1	NEUL1	E3 ubiquitin-protein ligase NEURL1	O76050	NEURL1	9148	TRUE	0.14	0.1028	0.125	0.044112	
13605-16	ANX10	ANX10	Annexin A10	Q9UJ72	ANXA10	11199	TRUE	0.12	0.197	0.126	0.044216	
13610-9	MAGE-10	MAGE-10	Melanoma-associated antigen 10	P43363	MAGEA1	0	4109	TRUE	0.1	0.1785	0.202	0.062563
13614-6	CREB-binding protein	CREB-binding protein	CREB-binding protein	Q92793	CREBBP	1387	TRUE	0.1	0.1621	0.536	0.048533	
13615-60	NCK2	NCK2	Cytoplasmic protein NCK2	O43639	NCK2	8440	TRUE	0.14	0.5529	0.944	0.077282	
13618-15	MD1L1	MD1L1	Mitotic spindle assembly checkpoint protein MAD1	Q9Y6D9	MAD1L1	8379	TRUE	0.13	0.1667	0.17	0.069169	
13620-10	ASNA	ASNA	ATPase ASNA1	O43681	GET3	439	TRUE	0.1	0.2091	0.297	0.051323	
13621-31	AP2A2	AP2A2	AP-2 complex subunit alpha-2	O94973	AP2A2	161	TRUE	0.22	0.8494	0.693	0.064994	
13622-16	2A5A	2A5A	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform	Q15172	PPP2R5A	5525	TRUE	0.1	0.148	0.786	0.070107	
13623-4	MLL2	MLL2	Histone-lysine N-methyltransferase 2D	O14686	KMT2D	8085	TRUE	0.23	0.1075	0.399	0.046296	
13624-17	NADK	NADK	NAD kinase	O95544	NADK	65220	TRUE	0.1	0.1172	1.335	0.048752	
13628-58	GRB14	GRB14	Growth factor receptor-bound protein 14	Q14449	GRB14	2888	TRUE	0.19	0.1833	0.146	0.042443	
13629-25	ATG4B	ATG4B	Cysteine protease ATG4B	Q9Y4P1	ATG4B	23192	TRUE	0.07	0.1538	3.523	0.068352	
13631-1	RB binding protein 5	RB binding protein 5	Retinoblastoma-binding protein 5	Q15291	RBBP5	5929	TRUE	0.18	0.0959	0.101	0.074003	
13632-10	Zyxin	Zyxin	Zyxin	Q15942	ZYX	7791	TRUE	0.13	0.6399	0.814	0.046955	
13634-209	PIR	PIR	Pirin	O00625	PIR	8544	TRUE	0.07	0.121	0.389	0.063009	
13636-20	NP1L1	NP1L1	Nucleosome assembly protein 1-like 1	P55209	NAP1L1	4673	TRUE	0.07	0.1154	0.877	0.032022	
13644-30	HGS	HGS	Hepatocyte growth factor-regulated tyrosine kinase substrate	O14964	HGS	9146	TRUE	0.23	0.6457	0.894	0.113612	
13650-11	KCIP1	KCIP1	Kv channel-interacting protein 1	Q9NZI2	KCNIP1	30820	TRUE	0.19	0.2818	1.528	0.098857	

13651-54	ZFP91	ZFP91	ZFP91	E3 ubiquitin-protein ligase	Q96JP5	ZFP91	80829	TRUE	0.09	0.0982	1.87	0.044847
13652-2	TM1L1	TM1L1	TOM1-like protein 1	O75674	TOM1L1	10040	TRUE	0.29	0.3883	0.177	0.085351	
13653-335	MACD1	MACD1	O-acetyl-ADP-ribose deacetylase	Q9BQ69	MACROD1	28992	TRUE	0.17	0.2068	0.169	0.03698	
13654-1	ROCK2	ROCK2	Rho-associated protein kinase 2	O75116	ROCK2	9475	TRUE	0.11	0.1944	0.752	0.083993	
13657-2	PNKP	PNKP	Bifunctional polynucleotide phosphatase/kinase	Q96T60	PNKP	11284	TRUE	0.1	0.1892	0.966	0.036432	
13658-31	PDGF-CC	PDGF-CC	Platelet-derived growth factor C	Q9NRA1	PDGFC	56034	TRUE	0.34	0.5737	1.038	0.042279	
13659-36	AT131	AT131	Manganese-transporting ATPase 13A1	Q9HD20	ATP13A1	57130	TRUE	0.11	0.3305	0.184	0.075589	
13660-76	Angiopoietin-2	Angiopoietin-2	Angiopoietin-2	O15123	ANGPT2	285	TRUE	0.14	0.1416	0.352	0.051868	
13665-35	PP2A, subunit B	PP2A, subunit B	Serine/threonine-protein phosphatase 2A regulatory subunit B' subunit alpha	Q06190	PPP2R3A	5523	TRUE	0.11	0.2145	0.158	0.111318	
13666-222	Carbonic Anhydrase X	Carbonic Anhydrase X	Carbonic anhydrase-related protein 10	Q9NS85	CA10	56934	TRUE	0.06	0.1249	0.269	0.04642	
13668-44	Dtk	Dtk	Tyrosine-protein kinase receptor	Q06418	TYRO3	7301	TRUE	0.1	0.105	8.42	0.073178	
13669-6	FGFR-3	FGFR-3	Fibroblast growth factor receptor 3:Extracellular domain	P22607	FGFR3	2261	TRUE	0.08	0.1285	0.224	0.071913	
13671-40	Elastase	Elastase	Neutrophil elastase	P08246	ELANE	1991	TRUE	0.1	0.2585	0.435	0.044291	
13673-21	TCPH	TCPH	T-complex protein 1 subunit eta	Q99832	CCT7	10574	TRUE	0.19	0.4241	0.701	0.098361	
13676-46	Inhibin bB chain	Inhibin bB chain	Inhibin beta B chain	P09529	INHBB	3625	TRUE	0.09	0.2011	0.375	0.065361	
13678-169	Factor D	Factor D	Complement factor D	P00746	CFD	1675	TRUE	0.05	0.1578	0.231	0.097572	
13681-173	CSK22	CSK22	Casein kinase II subunit alpha'	P19784	CSNK2A2	1459	TRUE	0.11	0.1381	0.14	0.093929	
13682-47	M-CSF R	M-CSF R	Macrophage colony-stimulating factor 1 receptor	P07333	CSF1R	1436	TRUE	0.08	0.1997	0.221	0.049963	
13686-2	IL-5 Ra	IL-5 Ra	Interleukin-5 receptor subunit alpha	Q01344	IL5RA	3568	TRUE	0.24	1.4268	0.325	0.038619	
13687-5	I-309	I-309	C-C motif chemokine 1	P22362	CCL1	6346	TRUE	0.09	0.1084	0.475	0.031233	
13688-2	CAPSL	CAPSL	Calcyphosin-like protein	Q8WWF8	CAPSL	13369	TRUE	0.06	0.099	0.773	0.058658	

13689-2	Ornithine decarboxylase	Ornithine decarboxylase	Ornithine decarboxylase	P11926	ODC1	4953	TRUE	0.09	0.1035	0.207	0.067402
13690-26	BGN	BGN	Biglycan	P21810	BGN	633	TRUE	0.22	0.1212	0.345	0.061606
13691-10	SC5A8	SC5A8	Sodium-coupled monocarboxylate transporter 1	Q8N695	SLC5A8	16072	TRUE	0.08	0.6012	0.256	0.056417
13693-5	ARMEL	ARMEL	Cerebral dopamine neurotrophic factor	Q49AH0	CDNF	44154	TRUE	0.07	0.1128	0.421	0.062046
13697-51	GPDA	GPDA	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic	P21695	GPD1	2819	TRUE	0.11	0.1869	0.608	0.079427
13698-28	K319L	K319L	Dyslexia-associated protein KIAA0319-like protein	Q8IZA0	KIAA031	79932	TRUE	0.1	0.1513	0.293	0.100434
13700-10	annexin II	annexin II	Annexin A2	P07355	ANXA2	302	TRUE	0.14	0.3218	0.267	0.024182
13701-2	BLC	BLC	C-X-C motif chemokine 13	O43927	CXCL13	10563	TRUE	0.08	0.241	0.305	0.049628
13706-12	IL-12 Rb1	IL-12 Rb1	Interleukin-12 receptor subunit beta-1	P42701	IL12RB1	3594	TRUE	0.17	0.2685	0.131	0.060658
13707-27	SPARCL1	SPARCL1	SPARC-like protein 1	Q14515	SPARCL1	8404	TRUE	0.08	0.0851	0.149	0.055817
13708-56	kallikrein 8	kallikrein 8	Kallikrein-8	O60259	KLK8	11202	TRUE	0.08	0.1216	0.299	0.110654
13710-6	C1-Esterase Inhibitor	C1-Esterase Inhibitor	Plasma protease C1 inhibitor	P05155	SERPING1	710	TRUE	0.14	0.1379	0.175	0.220708
13711-10	CLH1	CLH1	Clathrin heavy chain 1	Q00610	CLTC	1213	TRUE	0.1	0.1448	0.288	0.074505
13712-104	granzyme A	granzyme A	Granzyme A	P12544	GZMA	3001	TRUE	0.11	0.1987	0.23	0.050272
13717-15	FCN2	FCN2	Ficolin-2	Q15485	FCN2	2220	TRUE	0.41	0.8525	0.413	0.078354
13719-19	PAK4	PAK4	Serine/threonine-protein kinase PAK 4	O96013	PAK4	10298	TRUE	0.09	0.0814	1.144	0.264496
13720-95	Proteinase-3	Proteinase-3	Myeloblastin	P24158	PRTN3	5657	TRUE	0.09	0.1069	0.275	0.055681
13722-105	C9	C9	Complement component C9	P02748	C9	735	TRUE	0.07	0.1986	0.273	0.060976
13723-6	IL-10	IL-10	Interleukin-10	P22301	IL10	3586	TRUE	0.11	0.1224	0.332	0.053404
13724-27	FGF-19	FGF-19	Fibroblast growth factor 19	O95750	FGF19	9965	TRUE	0.1	0.2022	0.634	0.120203
13725-3	FGF-16	FGF-16	Fibroblast growth factor 16	O43320	FGF16	8823	TRUE	0.09	0.2556	0.295	0.063715
13727-44	SPOP	SPOP	Speckle-type POZ protein	O43791	SPOP	8405	TRUE	0.1	0.2717	1.991	0.06103

13728-19	ERP29	ERP29	Endoplasmic reticulum resident protein 29	P30040	ERP29	10961	TRUE	0.1	0.4829	0.879	0.09289
13729-26	SFXN5	SFXN5	Sideroflexin-5	Q8TD22	SFXN5	94097	TRUE	0.26	0.2933	0.347	0.075713
13730-18	CATC	CATC	Dipeptidyl peptidase 1	P53634	CTSC	1075	TRUE	0.7	0.6	0.426	0.06799
13731-14	C7	C7	Complement component C7	P10643	C7	730	TRUE	0.11	0.1517	0.241	0.078727
13732-79	Cardiotrophin-1	Cardiotrophin-1	Cardiotrophin-1	Q16619	CTF1	1489	TRUE	0.35	0.3705	0.198	0.088419
13735-1	RPGP1	RPGP1	Rap1 GTPase-activating protein 1	P47736	RAP1GA P	5909	TRUE	0.09	0.1309	0.669	0.066406
13738-8	Inhibin bA chain	Inhibin bA chain	Inhibin beta A chain	P08476	INHBA	3624	TRUE	0.08	0.1916	0.343	0.082065
13739-3	FLRT1	FLRT1	Leucine-rich repeat transmembrane protein FLRT1	Q9NZU1	FLRT1	23769	TRUE	0.19	0.2561	0.33	0.069321
13740-51	sFRP-3	sFRP-3	Secreted frizzled-related protein 3	Q92765	FRZB	2487	TRUE	0.07	0.2328	0.241	0.044257
13741-36	IGFBP-1	IGFBP-1	Insulin-like growth factor-binding protein 1	P08833	IGFBP1	3484	TRUE	0.22	0.1743	0.992	0.103629
13743-56	CUL4B	CUL4B	Cullin-4B	Q13620	CUL4B	8450	TRUE	0.06	0.0897	0.166	0.034537
13744-37	IL-3 Ra	IL-3 Ra	Interleukin-3 receptor subunit alpha	P26951	IL3RA	3563	TRUE	0.09	0.182	0.327	0.084931
13745-10	PKD2	PKD2:CD4	Polycystin-2:Cytoplasmic domain 4	Q13563	PKD2	5311	TRUE	0.07	0.1045	0.239	0.068981
13747-9	Carbonic anhydrase 6	Carbonic anhydrase 6	Carbonic anhydrase 6	P23280	CA6	765	TRUE	0.11	0.4168	0.509	0.051011
13748-4	MCP-2	MCP-2	C-C motif chemokine 8	P80075	CCL8	6355	TRUE	0.08	0.1211	0.344	0.06242
13924-13	MYZAP	MYZAP	Myocardial zonula adherens protein	POCAP1	MYZAP	10082 0829	TRUE	0.12	0.2568	0.227	0.086365
13926-1	RMI1	RMI1	RecQ-mediated genome instability protein 1	Q9H9A7	RMI1	80010	TRUE	0.15	0.1052	0.124	0.057533
13929-27	OCTC	OCTC	Peroxisomal carnitine O-octanoyltransferase	Q9UKG9	CROT	54677	TRUE	0.08	0.0793	0.47	0.044348
13930-3	ABC3G	ABC3G	DNA dC->dU-editing enzyme APOBEC-3G	Q9HC16	APOBEC 3G	60489	TRUE	0.14	0.1585	0.739	0.06917
13932-45	COOL-1	COOL-1	Rho guanine nucleotide exchange factor 7	Q14155	ARHGEF 7	8874	TRUE	0.19	0.2207	0.265	0.06268
13933-276	NAB1	NAB1	NGFI-A-binding protein 1	Q13506	NAB1	4664	TRUE	0.16	0.1499	0.127	0.053327

13934-3	MCF2L	MCF2L	Guanine nucleotide exchange factor DBS	O15068	MCF2L	23263	TRUE	0.15	0.1781	0.436	0.059023
13937-75	CAND1	CAND1	Cullin-associated NEDD8-dissociated protein 1	Q86VP6	CAND1	55832	TRUE	0.08	0.1162	0.271	0.120239
13939-14	UGPA1	UGPA1	UTP--glucose-1-phosphate uridylyltransferase	Q16851	UGP2	7360	TRUE	0.09	0.0701	0.548	0.05866
13940-19	IP16	IP16:HIN1	Gamma-interferon-inducible protein 16:Isoform 2, Hematopoietic expression, interferon-inducible nature, and nuclear localization 1	Q16666	IFI16	3428	TRUE	0.11	0.0941	1.012	0.067647
13941-82	SYFM	SYFM	Phenylalanine--tRNA ligase, mitochondrial	O95363	FARS2	10667	TRUE	0.13	0.2626	0.626	0.058614
13943-38	DPY30	DPY30	Protein dpy-30 homolog	Q9C005	DPY30	84661	TRUE	0.12	0.105	0.211	0.069359
13944-3	SULT 1A3	SULT 1A3	Sulfotransferase 1A3	P0DMM9	SULT1A3	44532 9	TRUE	0.14	0.2175	1.03	0.044434
13946-8	DDX23	DDX23	Probable ATP-dependent RNA helicase DDX23	Q9BUQ8	DDX23	9416	TRUE	0.21	0.0925	0.184	0.059718
13948-50	GABR2	GABR2:E CD	Gamma-aminobutyric acid type B receptor subunit 2:Extracellular domain	O75899	GABBR2	9568	TRUE	0.1	0.1641	1.435	0.066046
13950-9	C43BP	C43BP:S TART domain	Collagen type IV alpha-3-binding protein:StAR-related lipid-transfer domain, isoform 2	Q9Y5P4	CERT1	10087	TRUE	0.1	0.1428	0.816	0.059241
13954-9	GNA1	GNA1	Glucosamine 6-phosphate N-acetyltransferase	Q96EK6	GNPNAT 1	64841	TRUE	0.07	0.1128	0.816	0.04252
13955-33	DAPK1	DAPK1	Death-associated protein kinase 1	P53355	DAPK1	1612	TRUE	0.17	0.0866	5.433	0.045737
13959-7	LAP	LAP	Cytosol aminopeptidase	P28838	LAP3	51056	TRUE	0.11	0.176	0.92	0.068926
13961-18	KIF3A	KIF3A	Kinesin-like protein KIF3A	Q9Y496	KIF3A	11127	TRUE	0.18	0.175	0.132	0.066472
13963-7	tollip	tollip	Toll-interacting protein	Q9H0E2	TOLLIP	54472	TRUE	0.14	0.0878	0.898	0.094045
13966-30	MYOM3	MYOM3	Myomesin-3	Q5VTT5	MYOM3	4	TRUE	0.16	0.1797	0.405	0.052385
13967-14	Thioredoxin reductase 1	Thioredoxin reductase 1	Thioredoxin reductase 1, cytoplasmic	Q16881	TXNRD1	7296	TRUE	0.07	0.0674	0.498	0.034964
13969-24	IMA7	IMA7	Importin subunit alpha-7	O60684	KPNA6	23633	TRUE	0.22	0.2243	0.675	0.064257

13972-4	DHB14	DHB14	17-beta-hydroxysteroid dehydrogenase 14	Q9BPX1	HSD17B14	51171	TRUE	0.13	0.1097	0.239	0.064589
13973-62	TTL	TTL	Tubulin--tyrosine ligase	Q8NG68	TTL	5	TRUE	0.13	0.1188	0.5	0.070978
13975-56	LIPA1	LIPA1	Liprin-alpha-1	Q13136	PPFIA1	8500	TRUE	0.2	0.2032	0.976	0.089908
13976-9	ARHG1	ARHG1	Rho guanine nucleotide exchange factor 1	Q92888	ARHGEF1	9138	TRUE	0.09	0.1511	0.353	0.049247
13977-28	BARD1	BARD1	BRCA1-associated RING domain protein 1	Q99728	BARD1	580	TRUE	0.1	0.2072	0.309	0.046392
13979-3	S26A7	S26A7	Anion exchange transporter	Q8TE54	SLC26A7	1	TRUE	0.09	0.0745	0.772	0.042075
13982-33	RGS18	RGS18	Regulator of G-protein signaling 18	Q9NS28	RGS18	64407	TRUE	0.14	0.1708	0.333	0.080044
13983-27	QOR	QOR	Quinone oxidoreductase	Q08257	CRYZ	1429	TRUE	0.07	0.0679	1.306	0.033056
13984-23	DDX25	DDX25	ATP-dependent RNA helicase DDX25	Q9UHL0	DDX25	29118	TRUE	0.09	0.0826	0.426	0.087324
13986-6	LANC1	LANC1	LanC-like protein 1	O43813	LANCL1	10314	TRUE	0.19	0.2693	0.533	0.061438
13988-67	NMRL1	NMRL1	NmrA-like family domain-containing protein 1	Q9HBL8	NMRAL1	57407	TRUE	0.07	0.1651	0.979	0.080258
13991-47	IF4G3	IF4G3	Eukaryotic translation initiation factor 4 gamma 3	O43432	EIF4G3	8672	TRUE	0.11	0.1041	1.981	0.042218
13992-12	NSF	NSF	Vesicle-fusing ATPase	P46459	NSF	4905	TRUE	0.16	0.1077	0.301	0.046816
13993-20	E41L1	E41L1	Band 4.1-like protein 1	Q9H4G0	EPB41L1	2036	TRUE	0.1	0.1449	0.404	0.094272
13994-1	FBRL	FBRL	rRNA 2'-O-methyltransferase fibrillarin	P22087	FBL	2091	TRUE	0.19	0.1033	0.218	0.053093
13998-26	PURA1	PURA1	Adenylosuccinate synthetase isozyme 1	Q8N142	ADSS1	2	TRUE	0.14	0.2107	0.708	0.108121
14002-18	DOCK9	DOCK9	Dedicator of cytokinesis protein 9	Q9BZ29	DOCK9	23348	TRUE	0.09	0.1066	0.089	0.069132
14006-36	GNMT	GNMT	Glycine N-methyltransferase	Q14749	GNMT	27232	TRUE	0.12	0.1172	0.277	0.067351
14007-22	PAPS1	PAPS1	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 1	O43252	PAPSS1	9061	TRUE	0.06	0.1601	0.408	0.026256
14009-65	TNFAIP3	TNFAIP3	Tumor necrosis factor alpha-induced protein 3	P21580	TNFAIP3	7128	TRUE	0.06	0.1214	0.914	0.073161
14011-17	S100A11	S100A11	Protein S100-A11	P31949	S100A11	6282	TRUE	0.1	0.1862	0.354	0.04603

14012-17	LGP2	LGP2	Probable ATP-dependent RNA helicase DHX58	Q96C10	DHX58	79132	TRUE	0.11	0.1478	0.995	0.078572
14013-11	TANK	TANK	TRAF family member-associated NF-kappa-B activator	Q92844	TANK	10010	TRUE	0.06	0.1729	0.659	0.055679
14021-81	MED4	MED4	Mediator of RNA polymerase II transcription subunit 4	Q9NPJ6	MED4	29079	TRUE	0.16	0.1265	0.136	0.067828
14022-17	IL-17B	IL-17B	Interleukin-17B	Q9UHF5	IL17B	27190	TRUE	0.05	0.106	0.47	0.067013
14023-84	BSP	BSP	Bone sialoprotein 2	P21815	IBSP	3381	TRUE	0.3	0.2957	0.285	0.051278
14024-196	EDA	EDA	Ectodysplasin-A, secreted form	Q92838	EDA	1896	TRUE	0.11	0.1359	0.291	0.064944
14025-18	4-1BB	4-1BB	Tumor necrosis factor receptor superfamily member 9	Q07011	TNFRSF9	3604	TRUE	0.1	0.0804	0.154	0.110366
14026-24	IL-17F	IL-17F	Interleukin-17F	Q96PD4	IL17F	4	TRUE	0.09	0.1207	0.426	0.04381
14028-22	P3C2A	P3C2A	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit alpha	O00443	PIK3C2A	5286	TRUE	0.18	0.209	0.182	0.070531
14029-42	CSN2	CSN2	COP9 signalosome complex subunit 2	P61201	COPS2	9318	TRUE	0.14	0.1479	0.194	0.069938
14032-2	VEGF121	VEGF121	Vascular endothelial growth factor A, isoform 121	P15692	VEGFA	7422	TRUE	0.24	0.4256	0.325	0.108115
14037-18	RANB3	RANB3	Ran-binding protein 3	Q9H6Z4	RANBP3	8498	TRUE	0.06	0.0857	0.261	0.063063
14038-130	CYTF	CYTF	Cystatin-F	O76096	CST7	8530	TRUE	0.09	0.1007	1.869	0.055193
14042-11	SARP-2	SARP-2	Secreted frizzled-related protein 1	Q8N474	SFRP1	6422	TRUE	0.07	0.0793	1.62	0.030408
14043-12	EEA1	EEA1	Early endosome antigen 1	Q15075	EEA1	8411	TRUE	0.17	0.2171	0.229	0.044766
14045-12	NCOA2	NCOA2	Nuclear receptor coactivator 2	Q15596	NCOA2	10499	TRUE	0.23	0.2096	1.369	0.082792
14047-78	BDNF	BDNF	Brain-derived neurotrophic factor	P23560	BDNF	627	TRUE	0.08	0.1008	0.823	0.061757
14048-7	IL-1 R AcP	IL-1 R AcP	Interleukin-1 Receptor accessory protein	Q9NPH3	IL1RAP	3556	TRUE	0.15	0.108	0.329	0.101382
14049-17	IL-7	IL-7	Interleukin-7	P13232	IL7	3574	TRUE	0.2	0.1697	0.185	0.070429
14054-17	IL-15 Ra	IL-15 Ra	Interleukin-15 receptor subunit alpha	Q13261	IL15RA	3601	TRUE	0.08	0.311	0.295	0.056088
14056-4	Glycoprotein hormones a-chain	Glycoprotein hormones a-chain	Glycoprotein hormones alpha chain	P01215	CGA	1081	TRUE	0.11	0.1441	0.322	0.091828

14057-68	TNFSF15	TNFSF15	Tumor necrosis factor ligand superfamily member 15	O95150	TNFSF15	9966	TRUE	0.08	0.0905	0.244	0.072072
14061-48	sRANKL	sRANKL	Tumor necrosis factor ligand superfamily member 11	O14788	TNFSF11	8600	TRUE	0.1	0.1256	0.154	0.041387
14063-17	OSM	OSM	Oncostatin-M	P13725	OSM	5008	TRUE	0.05	0.0827	0.292	0.042386
14066-49	MAGI2	MAGI2	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2	Q86UL8	MAGI2	9863	TRUE	0.09	0.0825	0.589	0.024135
14068-29	TECK	TECK	C-C motif chemokine 25	O15444	CCL25	6370	TRUE	0.14	0.2823	0.406	0.110705
14069-61	Carbonic Anhydrase IV	Carbonic Anhydrase IV	Carbonic anhydrase 4	P22748	CA4	762	TRUE	0.07	0.1725	1.239	0.067484
14070-56	ITSN1	ITSN1	Intersectin-1	Q15811	ITSN1	6453	TRUE	0.12	0.1076	0.22	0.07157
14073-31	Hemopexin	Hemopexin	Hemopexin	P02790	HPX	3263	TRUE	0.07	0.3879	0.093	0.055893
14074-2	SHC2	SHC2	SHC-transforming protein 2	P98077	SHC2	25759	TRUE	0.32	0.1703	4.361	0.071527
14076-74	Cystatin-S	Cystatin-S	Cystatin-S	P01036	CST4	1472	TRUE	0.14	0.1232	0.625	0.05853
14077-6	Ficolin-3	Ficolin-3	Ficolin-3	O75636	FCN3	8547	TRUE	0.1	0.1027	0.169	0.061408
14078-69	Lymphotactin	Lymphotactin	Lymphotactin	P47992	XCL1	6375	TRUE	0.05	0.1732	0.382	0.076034
14079-14	IL-18 Ra	IL-18 Ra	Interleukin-18 receptor 1	Q13478	IL18R1	8809	TRUE	0.07	0.13	0.253	0.087382
14081-5	ULBP-1	ULBP-1	NKG2D ligand 1	Q9BZM6	ULBP1	80329	TRUE	0.08	0.1175	0.824	0.044982
14082-56	TLN2	TLN2	Talin-2	Q9Y4G6	TLN2	83660	TRUE	0.07	0.2462	0.559	0.023967
14083-25	SPS1	SPS1	Selenide, water dikinase 1	P49903	SEPHS1	22929	TRUE	0.07	0.096	0.416	0.074803
14085-28	IL-13	IL-13	Interleukin-13	P35225	IL13	3596	TRUE	0.14	0.2122	3.199	0.053389
14088-38	IGFBP-6	IGFBP-6	Insulin-like growth factor-binding protein 6	P24592	IGFBP6	3489	TRUE	0.1	0.2512	0.187	0.05849
14090-23	DEFI6	DEFI6	Differentially expressed in FDCP 6 homolog	Q9H4E7	DEF6	50619	TRUE	0.25	0.2443	0.437	0.093908
14091-42	Carbonyl reductase 3	Carbonyl reductase 3	Carbonyl reductase [NADPH] 3	O75828	CBR3	874	TRUE	0.06	0.0881	0.296	0.041149
14093-10	Flt3 ligand	Flt3 ligand	Fms-related tyrosine kinase 3 ligand	P49771	FLT3LG	2323	TRUE	0.16	0.1265	0.384	0.080072

14094-29	HB-EGF	HB-EGF	Heparin-binding EGF-like growth factor	Q99075	HBEGF	1839	TRUE	0.09	0.0916	0.728	0.100563
14097-86	ST4S6	ST4S6	Carbohydrate sulfotransferase 15	Q7LFX5	CHST15	51363	TRUE	0.13	0.1201	0.172	0.059857
14098-28	SYCC	SYCC	Cysteine--tRNA ligase, cytoplasmic	P49589	CARS1	833	TRUE	0.1	0.2396	0.327	0.024904
14101-2	CNTFR alpha	CNTFR alpha	Ciliary neurotrophic factor receptor subunit alpha	P26992	CNTFR	1271	TRUE	0.09	0.1274	0.324	0.061122
14102-6	Granulysin	Granulysin	Granulysin	P22749	GNLY	10578	TRUE	0.09	0.0769	0.324	0.064204
14104-1	TRIL	TRIL:CD	TLR4 interactor with leucine rich repeats:Cytoplasmic domain	Q7L0X0	TRIL	9865	TRUE	0.09	0.2216	0.09	0.048848
14105-5	Kallistatin	Kallistatin	Kallistatin	P29622	SERPINA4	5267	TRUE	0.12	0.1628	0.192	0.062452
14106-46	GDP/GTP exchange protein	GDP/GTP exchange protein	Rap1 GTPase-GDP dissociation stimulator 1	P52306	RAP1GDS1	5910	TRUE	0.08	0.1602	0.29	0.08775
14107-1	MTHFS	MTHFS	5-formyltetrahydrofolate cyclo-ligase	P49914	MTHFS	10588	TRUE	0.06	0.1775	0.897	0.059053
14108-15	TGF-b1	TGF-b1	Transforming growth factor beta-1	P01137	TGFB1	7040	TRUE	0.06	0.1145	0.175	0.050639
14109-15	MIP-5	MIP-5	C-C motif chemokine 15	Q16663	CCL15	6359	TRUE	0.1	0.2217	0.31	0.154754
14110-200	ON	ON	SPARC	P09486	SPARC	6678	TRUE	0.13	0.1808	0.23	0.050844
14111-15	TSP2	TSP2	Thrombospondin-2	P35442	THBS2	7058	TRUE	0.07	0.117	0.505	0.039572
14114-18	PIANP	PIANP	PILR alpha-associated neural protein	Q8IYJ0	PIANP	19650	TRUE	0.09	0.2424	0.372	0.060148
14115-34	Adrenomedullin	Adrenomedullin	Adrenomedullin	P35318	ADM	133	TRUE	0.11	0.3471	0.095	0.091089
14116-129	S100A4	S100A4	Protein S100-A4	P26447	S100A4	6275	TRUE	0.19	0.5656	0.167	0.057659
14120-2	RNF43	RNF43	E3 ubiquitin-protein ligase RNF43	Q68DV7	RNF43	54894	TRUE	0.16	0.247	0.188	0.056142
14122-132	ZNRF3	ZNRF3	E3 ubiquitin-protein ligase ZNRF3	Q9ULT6	ZNRF3	84133	TRUE	0.16	0.1639	0.951	0.036903
14123-34	GI24	GI24:EC	V-type immunoglobulin domain-containing suppressor of T-cell activation:Extracellular domain	Q9H7M9	VSIR	64115	TRUE	0.23	0.3769	0.195	0.030788
14124-6	Ephrin-A2	Ephrin-A2	Ephrin-A2	O43921	EFNA2	1943	TRUE	0.1	0.1639	0.186	0.082952

14125-5	ApoM	ApoM	Apolipoprotein M	O95445	APOM	55937	TRUE	0.12	0.1463	0.286	0.082968
14127-240	IFN-b	IFN-b	Interferon beta	P01574	IFNB1	3456	TRUE	0.2	0.0937	0.367	0.070245
14131-37	EFNB2	EFNB2:E CD	Ephrin-B2:Extracellular domain	P52799	EFNB2	1948	TRUE	0.15	0.3101	0.254	0.060737
14132-21	HHLA2	HHLA2	HERV-H LTR-associating protein 2	Q9UM44	HHLA2	11148	TRUE	0.19	0.1349	0.184	0.057901
14133-93	IL-1 sRII	IL-1 sRII	Interleukin-1 receptor type 2	P27930	IL1R2	7850	TRUE	0.09	0.1759	0.219	0.049096
14135-3	RXFP1	RXFP1	Relaxin receptor 1	Q9HXB9	RXFP1	59350	TRUE	0.08	0.0648	0.205	0.020677
14136-234	C1QR1	C1QR1	Complement component C1q receptor	Q9NPY3	CD93	22918	TRUE	0.11	0.2015	0.269	0.066004
14143-8	H2B2E	H2B2E	Histone H2B type 2-E	Q16778	H2BC21	8349	TRUE	0.23	0.1481	1.285	0.082588
14144-3	H2A3	H2A3	Histone H2A type 3	Q7L7L0	H2AW	92815	TRUE	0.24	0.5225	0.956	0.074717
14146-92	H31	H31	Histone H3.1	P68431	H3C1	8350	TRUE	0.08	0.0866	0.318	0.023279
14148-2	UCRP	UCRP	Ubiquitin-like protein ISG15	P05161	ISG15	9636	TRUE	0.13	0.2038	0.257	0.06565
14149-9	IL-1F8	IL-1F8	Interleukin-36 beta	Q9NZH7	IL36B	27177	TRUE	0.12	0.1277	0.129	0.037626
14151-4	UCRP	UCRP	Ubiquitin-like protein ISG15	P05161	ISG15	9636	TRUE	0.11	0.1489	0.56	0.040472
14156-33	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	P31946	YWHAB	7529	TRUE	0.16	2.745	0.931	0.049184
14157-21	14-3-3E	14-3-3E	14-3-3 protein epsilon	P62258	YWHAE	7531	TRUE	0.05	0.1529	0.183	0.050042
14158-17	Annexin V	Annexin V	Annexin A5	P08758	ANXA5	308	TRUE	0.12	0.1086	0.688	0.051574
14175-78	SCP2D	SCP2D	SCP2 sterol-binding domain-containing protein 1	Q9UJQ7	SCP2D1	14085 6	TRUE	0.16	0.244	0.426	0.058113
14178-18	CDKN3	CDKN3	Cyclin-dependent kinase inhibitor 3	Q16667	CDKN3	1033	TRUE	0.11	0.2433	0.395	0.255423
14186-13	RFFL	RFFL	E3 ubiquitin-protein ligase rififylin	Q8WZ73	RFFL	11758 4	TRUE	0.33	0.613	1.23	0.088226
14192-31	PDCL2	PDCL2	Phosducin-like protein 2	Q8N4E4	PDCL2	13295 4	TRUE	0.11	0.2414	0.301	0.103833
14203-3	ANXA7	ANXA7	Annexin A7	P20073	ANXA7	310	TRUE	0.09	0.203	0.758	0.050987
14205-6	HEXI2	HEXI2	Protein HEXIM2	Q96MH2	HEXIM2	12479 0	TRUE	0.05	0.0937	0.619	0.122102
14208-3	RET7	RET7	Retinoid-binding protein 7	Q96R05	RBP7	11636 2	TRUE	0.13	0.2381	0.177	0.054679

14216-35	DDX46	DDX46	Probable ATP-dependent RNA helicase DDX46	Q7L014	DDX46	9879	TRUE	0.17	0.2902	0.2	0.046708
14226-120	BHMT2	BHMT2	S-methylmethionine--homocysteine S-methyltransferase BHMT2	Q9H2M3	BHMT2	23743	TRUE	0.14	0.1895	0.149	0.082528
14227-21	MYL6B	MYL6B	Myosin light chain 6B	P14649	MYL6B	14046 5	TRUE	0.06	0.1475	0.412	0.096151
14229-5	MOCS3	MOCS3	Adenylyltransferase and sulfurtransferase MOCS3	O95396	MOCS3	27304	TRUE	0.29	0.2233	0.169	0.039843
14237-1	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A	3303	TRUE	0.13	0.2159	0.169	0.080435
14246-50	DOK2	DOK2	Docking protein 2	O60496	DOK2	9046	TRUE	0.08	0.1352	1.206	0.08762
14249-68	TRIM1	TRIM1	Probable E3 ubiquitin-protein ligase MID2	Q9UJV3	MID2	11043	TRUE	0.23	0.2463	0.663	0.109036
14254-27	PTN4	PTN4	Tyrosine-protein phosphatase non-receptor type 4	P29074	PTPN4	5775	TRUE	0.11	0.652	0.171	0.092846
14260-112	ARHG8	ARHG8	Neuroepithelial cell-transforming gene 1 protein	Q7Z628	NET1	10276	TRUE	0.09	0.1226	0.238	0.041799
14268-4	SRXN1	SRXN1	Sulfiredoxin-1	Q9BYN0	SRXN1	14080 9	TRUE	0.16	0.1903	0.253	0.034585
14271-23	RAB6B	RAB6B	Ras-related protein Rab-6B	Q9NRW1	RAB6B	51560	TRUE	0.07	0.2199	0.986	0.048557
14283-12	RAB14	RAB14	Ras-related protein Rab-14	P61106	RAB14	51552	TRUE	0.11	0.1581	0.249	0.046196
14287-6	RAB5C	RAB5C	Ras-related protein Rab-5C	P51148	RAB5C	5878	TRUE	0.11	0.2409	0.745	0.17661
14291-53	AGAP2	AGAP2	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2	Q99490	AGAP2	11698 6	TRUE	0.1	0.1843	0.896	0.083752
14294-61	MBD1	MBD1	Methyl-CpG-binding domain protein 1	Q9UIS9	MBD1	4152	TRUE	0.13	0.1459	0.339	0.050539
14309-8	HNRH1	HNRH1	Heterogeneous nuclear ribonucleoprotein H	P31943	HNRNPH1	3187	TRUE	0.1	0.1817	0.728	0.07626
14314-6	PPIL2	PPIL2	Peptidyl-prolyl cis-trans isomerase-like 2	Q13356	PPIL2	23759	TRUE	0.29	0.335	0.237	0.086783
14318-1	VPS29	VPS29	Vacuolar protein sorting-associated protein 29	Q9UBQ0	VPS29	51699	TRUE	0.24	0.416	0.394	0.077194
14324-52	CSPG6	CSPG6	Structural maintenance of chromosomes protein 3	Q9UQE7	SMC3	9126	TRUE	0.07	0.3035	0.595	0.061299
14326-4	UB2E1	UB2E1	Ubiquitin-conjugating enzyme E2 E1	P51965	UBE2E1	7324	TRUE	0.07	0.0521	0.498	0.055862

14332-3	RALA	RALA	Ras-related protein Ral-A	P11233	RALA	5898	TRUE	0.07	3.6749	1.939	0.043625
14334-3	RECO	RECO	Recoverin	P35243	RCVRN	5957	TRUE	0.06	0.1976	1.506	0.094171
14337-1	TPPC3	TPPC3	Trafficking protein particle complex subunit 3	O43617	TRAPPC3	27095	TRUE	0.08	0.118	0.447	0.037274
14341-8	FA69C	FA69C	Protein FAM69C	Q0P6D2	DIPK1C	4	TRUE	0.14	0.1633	0.129	0.059869
14583-49	Myostatin	Myostatin	Growth/differentiation factor 8	O14793	MSTN	2660	TRUE	0.37	0.1638	0.231	0.074762
14593-152	F210A	F210A	Protein FAM210A	Q96ND0	FAM210A	12522	TRUE	0.13	0.1751	0.16	0.046113
14599-18	STAB1	STAB1	Stabilin-1	Q9NY15	STAB1	23166	TRUE	0.1	0.1071	0.104	0.038806
14603-51	KIAA0040	KIAA0040	Uncharacterized protein KIAA0040	Q15053	KIAA0040	9674	TRUE	0.12	0.2156	0.185	0.041637
14614-41	CA130	CA130	Noncompact myelin-associated protein	Q5T1S8	NCMAP	40074	TRUE	0.07	0.1154	0.234	0.031313
14615-46	KRA24	KRA24	Keratin-associated protein 2-4	Q9BYR9	KRTAP2-4	73075	TRUE	0.09	0.1806	0.196	0.08047
14618-26	ECOP	ECOP	Vesicular, overexpressed in cancer, prosurvival protein 1	Q96AW1	VOPP1	81552	TRUE	0.07	0.1831	0.228	0.070197
14619-8	ZN526	ZN526	Zinc finger protein 526	Q8TF50	ZNF526	11611	TRUE	0.07	0.0842	0.169	0.075418
14623-26	SUMO3	SUMO3	Small ubiquitin-related modifier 3	P55854	SUMO3	6612	TRUE	0.07	0.2025	0.749	0.027824
14628-72	FBX3	FBX3	F-box only protein 3	Q9UK99	FBXO3	26273	TRUE	0.15	0.0698	2.448	0.047631
14633-26	T185A	T185A	Transmembrane protein 185A	Q8NFB2	TMEM185A	84548	TRUE	0.17	0.1867	0.179	0.041913
14634-13	LSHR	LSHR	Lutropin-choriogonadotropic hormone receptor	P22888	LHCGR	3973	TRUE	0.09	0.0929	1.041	0.06222
14636-25	UK114	UK114	Ribonuclease A4	P52758	RIDA	10247	TRUE	0.07	0.1706	0.555	0.086393
14645-253	GSTA4	GSTA4	Glutathione S-transferase A4	O15217	GSTA4	2941	TRUE	0.21	0.2215	0.202	0.052218
14655-1	DJC17	DJC17	DnaJ homolog subfamily C member 17	Q9NVM6	DNAJC17	55192	TRUE	0.14	0.1508	0.386	0.069035
14662-6	MZF1	MZF1	Myeloid zinc finger 1	P28698	MZF1	7593	TRUE	0.17	0.2975	0.213	0.060404
14663-44	RNF8	RNF8	E3 ubiquitin-protein ligase RNF8	O76064	RNF8	9025	TRUE	0.22	0.307	0.089	0.051007
14670-1	SKIL	SKIL	Ski-like protein	P12757	SKIL	6498	TRUE	0.22	0.2488	0.336	0.025176

14674-63	PACN3	PACN3	Protein kinase C and casein kinase substrate in neurons protein 3	Q9UKS6	PACN3	29763	TRUE	0.12	0.1236	0.509	0.096583
14675-20	IF4B	IF4B	Eukaryotic translation initiation factor 4B	P23588	EIF4B	1975	TRUE	0.08	0.1852	0.669	0.069754
14684-17	CAN2	CAN2	Calpain-2 catalytic subunit	P17655	CAPN2	824	TRUE	0.21	0.1778	0.315	0.087964
14685-17	PKB beta	PKB beta	RAC-beta serine/threonine-protein kinase	P31751	AKT2	208	TRUE	0.16	0.2007	0.154	0.046197
14689-3	SEC13	SEC13	Protein SEC13 homolog	P55735	SEC13	6396	TRUE	0.34	0.3592	0.102	0.058853
14692-3	ZN276	ZN276	Zinc finger protein 276	Q8N554	ZNF276	92822	TRUE	0.3	0.2715	0.249	0.047303
14696-45	TPSB2	TPSB2	Tryptase beta-2	P20231	TPSB2	64499	TRUE	0.14	0.2906	0.225	0.100703
14705-1	VEGF-D	VEGF-D	Vascular endothelial growth factor D	O43915	VEGFD	2277	TRUE	0.07	0.0877	0.463	0.083805
14708-59	CO8G	CO8G	Complement component C8 gamma chain	P07360	C8G	733	TRUE	0.11	1.5996	0.156	0.062376
14711-27	Cystatin M	Cystatin M	Cystatin-M	Q15828	CST6	1474	TRUE	0.07	0.1124	0.274	0.053991
14747-9	CRLF1	CRLF1	Cytokine receptor-like factor 1	O75462	CRLF1	9244	TRUE	0.17	0.1287	0.5	0.066302
14748-31	RHG05	RHG05	Rho GTPase-activating protein 5	Q13017	ARHGAP5	394	TRUE	0.08	0.1011	0.743	0.076152
14756-29	sICAM-2	sICAM-2	Intercellular adhesion molecule 2	P13598	ICAM2	3384	TRUE	0.11	0.163	0.203	0.069838
14759-149	Cadherin E	Cadherin E	Cadherin-1	P12830	CDH1	999	TRUE	0.16	0.2216	0.128	0.06477
15298-199	NETO1	NETO1	Neuropilin and tolloid-like protein 1	Q8TDF5	NETO1	81832	TRUE	0.1	0.1459	0.167	0.078021
15299-102	MESD2	MESD2	LDLR chaperone MESD	Q14696	MESD	23184	TRUE	0.09	0.1747	0.893	0.041365
15300-66	CC134	CC134	Coiled-coil domain-containing protein 134	Q9H6E4	CCDC134	4	TRUE	0.09	0.1834	0.474	0.088003
15303-63	S100A5	S100A5	Protein S100-A5	P33763	S100A5	6276	TRUE	0.23	0.2329	0.531	0.108338
15304-1	PAP1	PAP1	Regenerating islet-derived protein 3-alpha	Q06141	REG3A	5068	TRUE	0.09	0.4287	0.495	0.08176
15305-7	Secretagogen	Secretagogen	Secretagogen	O76038	SCGN	10590	TRUE	0.05	0.1576	0.877	0.057781
15308-108	VWC2	VWC2	Brorin	Q2TAL6	VWC2	37556	TRUE	0.28	0.4503	0.266	0.040153
15310-61	PRC1	PRC1	Protein regulator of cytokinesis 1	O43663	PRC1	7	TRUE	0.09	0.1202	0.112	0.068879
15312-14	AGO1	AGO1	Protein argonaute-1	Q9UL18	AGO1	9055	TRUE	0.07	0.1194	0.733	0.075218
						26523	TRUE	0.07	0.1194	0.733	0.075218

15313-28	MD2L1	MD2L1	Mitotic spindle assembly checkpoint protein MAD2A	Q13257	MAD2L1	4085	TRUE	0.14	0.226	0.85	0.089432
15314-49	CLIC4	CLIC4	Chloride intracellular channel protein 4	Q9Y696	CLIC4	25932	TRUE	0.1	0.1463	0.865	0.050176
15315-64	CUTC	CUTC	Copper homeostasis protein cutC homolog	Q9NTM9	CUTC	51076	TRUE	0.13	0.2151	3.623	0.045307
15316-262	TXN4B	TXN4B	Thioredoxin-like protein 4B	Q9NX01	TXNL4B	54957	TRUE	0.08	0.1253	1.032	0.101806
15318-75	Calpactin I light chain	Calpactin I light chain	Protein S100-A10	P60903	S100A10	6281	TRUE	0.14	0.1861	0.192	0.062455
15321-8	CPLX2	CPLX2	Complexin-2	Q6PUV4	CPLX2	10814	TRUE	0.07	0.1199	0.324	0.081046
15323-112	AGO3	AGO3	Protein argonaute-3	Q9H9G7	AGO3	9	TRUE	0.08	0.1498	0.315	0.059619
15324-58	Ferritin light chain	Ferritin light chain	Ferritin light chain	P02792	FTL	2512	TRUE	0.1	0.0807	1.599	0.055761
15325-14	NEUM	NEUM	Neuromodulin	P17677	GAP43	2596	TRUE	0.09	0.1055	1.289	0.046062
15326-64	GBP1	GBP1	Guanylate-binding protein 1	P32455	GBP1	2633	TRUE	0.09	0.1296	0.318	0.060598
15333-11	SDF2	SDF2	Stromal cell-derived factor 2	Q99470	SDF2	6388	TRUE	0.08	0.1917	0.87	0.098481
15336-7	SELM	SELM	Selenoprotein M	Q8WWX9	SELENO M	14060	TRUE	0.23	0.5621	0.326	0.088937
15343-337	Kininogen, HMW, Two Chain	Kininogen, HMW, Two Chain	Kininogen, HMW, Two Chain	P01042	KNG1	3827	TRUE	0.24	0.3693	0.19	0.08912
15347-12	Hemopexin	Hemopexin	Hemopexin	P02790	HPX	3263	TRUE	0.12	0.3631	0.132	0.092043
15358-28	7B2	7B2	Neuroendocrine protein 7B2	P05408	SCG5	6447	TRUE	0.32	0.2243	0.275	0.024193
15361-37	ANKR1	ANKR1	Ankyrin repeat domain-containing protein 1	Q15327	ANKRD1	27063	TRUE	0.09	0.1391	0.545	0.059124
15364-101	Apo C-I	Apo C-I	Apolipoprotein C-I	P02654	APOC1	341	TRUE	0.08	0.3695	0.139	0.07418
15368-3	BMPER	BMPER	BMP-binding endothelial regulator protein	Q8N8U9	BMPER	16866	TRUE	0.14	0.1684	0.208	0.063713
15370-5	BOLA1	BOLA1	Bola-like protein 1	Q9Y3E2	BOLA1	51027	TRUE	0.15	0.1076	0.372	0.048463
15372-43	BRD2	BRD2	Bromodomain-containing protein 2	P25440	BRD2	6046	TRUE	0.09	0.0942	0.211	0.059714
15374-15	CA11 protein	CA11 protein	Gastrokine-1	Q9NS71	GKN1	56287	TRUE	0.11	0.0848	0.245	0.108287

15375-49	Carboxypeptidase B1	Carboxypeptidase B1	Carboxypeptidase B	P15086	CPB1	1360	TRUE	0.14	0.1583	0.569	0.073596
15376-134	CATE	CATE	Cathepsin E	P14091	CTSE	1510	TRUE	0.06	0.0875	0.416	0.081627
15381-45	Discoidin domain receptor 2	Discoidin domain receptor 2	Discoidin domain-containing receptor 2	Q16832	DDR2	4921	TRUE	0.14	0.1849	1.619	0.077273
15384-15	KLOTHO	KLOTHO	Klotho	Q9UEF7	KL	9365	TRUE	0.05	0.2398	0.444	0.100937
15385-116	FABP2	FABP2	Fatty acid-binding protein, intestinal	P12104	FABP2	2169	TRUE	0.12	0.2086	0.582	0.056734
15386-7	FABPA	FABPA	Fatty acid-binding protein, adipocyte	P15090	FABP4	2167	TRUE	0.17	0.1732	0.539	0.089688
15387-44	Neuropilin-2	Neuropilin-2	Neuropilin-2	O60462	NRP2	8828	TRUE	0.1	0.1329	0.186	0.034178
15388-24	FcRIIIa	FcRIIIa	Low affinity immunoglobulin gamma Fc region receptor III-A	P08637	FCGR3A	2214	TRUE	0.07	0.173	1.195	0.061158
15391-114	GAS-6	GAS-6	Growth arrest-specific protein 6	Q14393	GAS6	2621	TRUE	0.14	0.0916	0.206	0.085945
15394-79	UNC5B	UNC5B	Netrin receptor UNC5B	Q8IZJ1	UNC5B	9	TRUE	0.08	0.2458	0.225	0.03404
15395-15	GST M1-1	GST M1-1	Glutathione S-transferase Mu 1	P09488	GSTM1	2944	TRUE	0.18	0.2101	0.455	0.055959
15398-2	HERV1	HERV1	FAD-linked sulfhydryl oxidase ALR	P55789	GFER	2671	TRUE	0.08	0.2122	0.678	0.134009
15402-2	ID-1	ID-1	DNA-binding protein inhibitor ID-1	P41134	ID1	3397	TRUE	0.12	0.1774	1.053	0.033999
15403-53	ID2	ID2	DNA-binding protein inhibitor ID-2	Q02363	ID2	3398	TRUE	0.1	0.1051	0.386	0.089589
15404-3	IFN21	IFN21	Interferon alpha-21	P01568	IFNA21	3452	TRUE	0.09	0.1371	2.121	0.048789
15405-23	IFNA4	IFNA4	Interferon alpha-4	P05014	IFNA4	3441	TRUE	0.12	0.1139	0.789	0.056611
15412-40	KIAP	KIAP	Baculoviral IAP repeat-containing protein 7	Q96CA5	BIRC7	79444	TRUE	0.18	0.0933	0.733	0.106881
15413-3	LCAT	LCAT	Phosphatidylcholine-sterol acyltransferase	P04180	LCAT	3931	TRUE	0.15	0.2012	1.749	0.063662
15414-316	LDHA	LDHA	L-lactate dehydrogenase A chain	P00338	LDHA	3939	TRUE	0.12	4.2952	0.346	0.05445
15416-54	LYG2	LYG2	Lysozyme g-like protein 2	Q86SG7	LYG2	3	TRUE	0.2	0.2347	0.231	0.057637
15417-3	Maspin	Maspin	Serpine B5	P36952	SERPINB5	5268	TRUE	0.06	0.1156	0.5	0.085711
15418-25	MK10	MK10	Mitogen-activated protein kinase 10	P53779	MAPK10	5602	TRUE	0.09	1.2995	1.135	0.101622
15419-15	MMP20	MMP20	Matrix metalloproteinase-20	O60882	MMP20	9313	TRUE	0.18	0.1422	0.235	0.035422

15426-5	NEUR1	NEUR1	Sialidase-1	Q99519	NEU1	4758	TRUE	0.14	0.1193	0.205	0.07465
15427-35	LOXL3	LOXL3	Lysyl oxidase homolog 3	P58215	LOXL3	84695	TRUE	0.27	0.5076	0.6	0.074284
15430-165	OPT	OPT	Opticin Ornithine carbamoyltransferase, mitochondrial	Q9UBM4	OPTC	26254	TRUE	0.22	0.1999	0.218	0.10743
15431-31	OTCase	OTCase		P00480	OTC	5009	TRUE	0.09	0.059	1.013	0.054956
15432-1	Otoraplin	Otoraplin	Otoraplin	Q9NRC9	OTOR	56914	TRUE	0.07	0.1236	0.442	0.100128
15433-4	p60-Src	p60-Src	Proto-oncogene tyrosine- protein kinase Src	P12931	SRC	6714	TRUE	0.1	0.2171	1.039	0.036428
15434-5	PNOC	PNOC	Prepronociceptin Purine nucleoside phosphorylase	Q13519	PNOC	5368	TRUE	0.16	0.1586	5.85	0.046519
15435-4	PNP	PNP		P00491	PNP	4860	TRUE	0.08	3.1493	0.642	0.046226
15437-11	RAMP3	RAMP3	Receptor activity- modifying protein 3 Rho-related GTP-binding protein RhoE	O60896	RAMP3	10268	TRUE	0.09	0.1678	0.337	0.057904
15439-21	RND3	RND3		P61587	RND3	390	TRUE	0.1	0.1561	0.422	0.04363
15440-57	NEC2	NEC2	Neuroendocrine convertase 2	P16519	PCSK2	5126	TRUE	0.07	0.1078	0.205	0.043795
15441-6	SAP3	SAP3	Ganglioside GM2 activator	P17900	GM2A	2760	TRUE	0.1	4.316	0.192	0.067654
15444-45	SCCA2	SCCA2	Serpin B4 Neuregulin-1, sensory and motor neuron-derived factor isoform	P48594	SERPINB 4	6318	TRUE	0.13	0.1324	2.405	0.081261
15446-25	SMDF	SMDF		Q02297	NRG1	3084	TRUE	0.09	0.155	0.936	0.084116
15447-45	Sorbitol dehydrog enase	Sorbitol dehydro genase	Sorbitol dehydrogenase	Q00796	SORD	6652	TRUE	0.11	0.1846	1.017	0.037237
15449-33	TIM-4 5'- 5'-	TIM-4 5'- 5'-	T-cell immunoglobulin and mucin domain-containing protein 4	Q96H15	TIMD4	91937	TRUE	0.17	0.1865	0.308	0.093783
15452-5	Nucleotid ase a1-	Nucleoti dase a1-	5'-Nucleotidase	P21589	NT5E	4907	TRUE	0.16	0.2813	0.269	0.092364
15453-3	Microglob ulin	Microglo bulin	Alpha-1-microglobulin	P02760	AMBP	259	TRUE	0.05	0.1661	0.199	0.038854
15455-40	ADA15	ADA15:E CD	Disintegrin and metalloproteinase domain- containing protein 15:Extracellular domain	Q13444	ADAM15	8751	TRUE	0.22	0.362	0.435	0.048371

15457-14	Aminopeptidase N	Aminopeptidase N	Aminopeptidase N	P15144	ANPEP	290	TRUE	0.42	0.4528	0.326	0.087877
15460-9	CD26	CD26	Dipeptidyl peptidase 4	P27487	DPP4	1803	TRUE	0.11	0.1229	0.231	0.044716
15462-28	CD8A	CD8A	T-cell surface glycoprotein CD8 alpha chain	P01732	CD8A	925	TRUE	0.07	0.1317	0.37	0.059617
15466-30	CO9A1	CO9A1	Collagen alpha-1(IX) chain	P20849	COL9A1	1297	TRUE	0.08	0.1157	0.293	0.042109
15470-11	Hexosaminidase B	Hexosaminidase B	Beta-hexosaminidase subunit beta	P07686	HEXB	3074	TRUE	0.09	0.0883	0.382	0.020263
15472-16	LRP11	LRP11	Low-density lipoprotein receptor-related protein 11	Q86VZ4	LRP11	84918	TRUE	0.09	0.1881	0.155	0.022147
15474-7	PIN1	PIN1	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	Q13526	PIN1	5300	TRUE	0.1	0.1299	0.658	0.070719
15475-4	PLTP	PLTP	Phospholipid transfer protein	P55058	PLTP	5360	TRUE	0.11	0.2093	0.197	0.083978
15476-6	REG3G	REG3G	Regenerating islet-derived protein 3-gamma	Q6UW15	REG3G	13012	TRUE	0.1	0.2144	0.602	0.118344
15480-2	VNN2	VNN2	Vascular non-inflammatory molecule 2	O95498	VNN2	8875	TRUE	0.08	0.2642	0.214	0.05645
15481-45	LL-37	LL-37	Antibacterial protein LL-37	P49913	CAMP	820	TRUE	0.07	0.199	0.408	0.041353
15482-12	A2ML1	A2ML1	Alpha-2-macroglobulin-like protein 1	A8K2U0	A2ML1	14456	TRUE	0.06	0.0659	0.667	0.02819
15483-377	Agrin	Agrin	Agrin	O00468	AGRN	37579	TRUE	0.09	0.1138	0.219	0.063741
15486-126	ABP1	ABP1	Amiloride-sensitive amine oxidase [copper-containing]	P19801	AOC1	26	TRUE	0.12	0.1358	0.583	0.060484
15487-164	carboxylesterase, liver	carboxylesterase, liver	Liver carboxylesterase 1	P23141	CES1	1066	TRUE	0.14	0.1541	0.32	0.04468
15491-20	CD248	CD248	Endosialin	Q9HCU0	CD248	57124	TRUE	0.21	0.4974	0.301	0.037289
15494-11	FGFP1	FGFP1	Fibroblast growth factor-binding protein 1	Q14512	FGFBP1	9982	TRUE	0.08	0.2127	0.412	0.068771
15495-9	FOLR3	FOLR3	Folate receptor gamma	P41439	FOLR3	2352	TRUE	0.13	0.1962	0.828	0.070766
15499-11	Attractin	Attractin	Attractin	O75882	ATRN	8455	TRUE	0.15	0.1204	0.146	0.081746
15503-15	Lefty-A	Lefty-A	Left-right determination factor 2	O00292	LEFTY2	7044	TRUE	0.15	0.322	0.402	0.086208

15503-20	Lefty-A	Lefty-A	Left-right determination factor 2	O00292	LEFTY2	7044	TRUE	0.11	0.225	0.632	0.04831
15506-34	LRP12	LRP12	Low-density lipoprotein receptor-related protein 12	Q9Y561	LRP12	29967	TRUE	0.1	0.1383	0.544	0.190892
15509-2	NAG	NAG	Alpha-N-acetylglucosaminidase	P54802	NAGLU	4669	TRUE	0.07	0.1787	0.553	0.097649
15511-37	NPTXR	NPTXR	Neuronal pentraxin receptor	O95502	NPTXR	23467	TRUE	0.22	0.0957	0.354	0.070332
15513-108	Prostasin	Prostasin	Prostasin	Q16651	PRSS8	5652	TRUE	0.07	0.2119	0.278	0.058395
15514-26	Pseudocholinesterase	Pseudocholinesterase	Cholinesterase	P06276	BCHE	590	TRUE	0.09	0.1471	0.176	0.085183
15515-2	SAA	SAA	Serum amyloid A-1 protein	P0DJ18	SAA1	6288	TRUE	0.1	0.1434	2.149	0.043506
15516-12	SAA-4	SAA-4	Serum amyloid A-4 protein	P35542	SAA4	6291	TRUE	0.47	1.6784	0.716	0.042171
15521-4	Alcadein alpha-1	Alcadein alpha-1	Calsyntenin-1	O94985	CLSTN1	22883	TRUE	0.07	0.0824	0.328	0.06501
15522-2	GAPR1	GAPR1	Golgi-associated plant pathogenesis-related protein 1	Q9H4G4	GLIPR2	152007	TRUE	0.18	0.3263	0.246	0.069473
15523-9	HEM2	HEM2	Delta-aminolevulinic acid dehydratase	P13716	ALAD	210	TRUE	0.15	0.1787	0.35	0.132023
15524-30	PGAM2	PGAM2	Phosphoglycerate mutase 2	P15259	PGAM2	5224	TRUE	0.07	0.0736	0.669	0.086842
15525-294	ADH1G	ADH1G	Alcohol dehydrogenase 1C	P00326	ADH1C	126	TRUE	0.06	0.0898	1.147	0.097101
15526-33	GSHB	GSHB	Glutathione synthetase	P48637	GSS	2937	TRUE	0.08	0.5647	0.192	0.035657
15527-90	DLDH	DLDH	Dihydrolipoyl dehydrogenase, mitochondrial	P09622	DLD	1738	TRUE	0.08	2.8985	0.789	0.071202
15529-33	Cysteine-rich protein 1	Cysteine-rich protein 1	Cysteine and glycine-rich protein 1	P21291	CSRP1	1465	TRUE	0.09	0.1701	0.737	0.036314
15530-33	EphB4	EphB4	Ephrin type-B receptor 4	P54760	EPHB4	2050	TRUE	0.12	0.2079	0.257	0.077238
15533-97	Macrophage scavenger receptor	Macrophage scavenger receptor	Macrophage scavenger receptor types I and II: Extracellular domain	P21757	MSR1	4481	TRUE	0.08	0.2071	0.297	0.064934
15534-26	Malate dehydrogenase 2	Malate dehydrogenase 2	Malate dehydrogenase, mitochondrial	P40926	MDH2	4191	TRUE	0.09	0.333	1.127	0.076834

15535-3	Marapsin	Marapsin	Serine protease 27	Q9BQR3	PRSS27	83886	TRUE	0.14	0.2035	1.382	0.034959
15539-15	SLIK1	SLIK1	SLIT and NTRK-like protein 1	Q96PX8	SLITRK1	11479	TRUE	0.19	0.4821	0.292	0.051473
15540-6	Vimentin	Vimentin	Vimentin	P08670	VIM	7431	TRUE	0.09	0.2741	1.157	0.091513
15542-19	KCRU	KCRU	Creatine kinase U-type, mitochondrial	P12532	CKMT1A	1159	TRUE	0.48	0.8568	0.477	0.082004
15544-25	kallikrein 14	kallikrein n 14	Kallikrein-14	Q9P0G3	KLK14	43847	TRUE	0.08	0.1158	0.367	0.099141
15545-13	Calcineurin B a	Calcineurin B a	Calcineurin subunit B type 1	P63098	PPP3R1	5534	TRUE	0.1	0.1274	0.338	0.062864
15548-35	SERA	SERA	D-3-phosphoglycerate dehydrogenase	O43175	PHGDH	26227	TRUE	0.18	0.2385	0.167	0.059666
15553-22	ACES	ACES	Acetylcholinesterase	P22303	ACHE	43	TRUE	0.1	0.1791	0.113	0.062329
15556-49	Alpha-amylase 2B	Alpha-amylase 2B	Alpha-amylase 2B	P19961	AMY2B	280	TRUE	0.07	0.4178	0.364	0.078503
15558-63	AMPE	AMPE	Glutamyl aminopeptidase	Q07075	ENPEP	2028	TRUE	0.52	0.4715	0.284	0.080429
15559-5	ANTR2	ANTR2	Glutamyl aminopeptidase	Q07075	ENPEP	11842	TRUE	0.52	0.4715	0.284	0.080429
15560-52	Apo-TC II	Apo-TC II	Anthrax toxin receptor 2	P58335	ANTXR2	9	TRUE	0.07	0.1668	0.307	0.03506
15562-24	BGLR	BGLR	Transcobalamin-2	P20062	TCN2	6948	TRUE	0.09	0.3117	0.965	0.059532
15566-10	Calponin-1	Calponin-1	Beta-glucuronidase	P08236	GUSB	2990	TRUE	0.08	0.3591	0.866	0.071603
15567-2	CD3-zeta	CD3-zeta	Calponin-1	P51911	CNN1	1264	TRUE	0.07	0.1421	0.204	0.081776
15569-15	Collagen II	Collagen II	T-cell surface glycoprotein CD3 zeta chain	P20963	CD247	919	TRUE	0.06	0.1507	0.102	0.028131
15570-99	Complement receptor type 2	Complement receptor type 2	Collagen Type II	P02458	COL2A1	1280	TRUE	0.1	0.0889	0.294	0.035995
15573-110	CSPG3	CSPG3	Complement receptor type 2	P20023	CR2	1380	TRUE	0.14	0.2139	0.452	0.056842
15580-2	EPHA7	EPHA7	Neurocan core protein	O14594	NCAN	1463	TRUE	0.07	0.0863	0.339	0.042484
15582-25	FCN1	FCN1	Ephrin type-A receptor 7	Q15375	EPHA7	2045	TRUE	0.08	0.1708	0.526	0.087167
15583-18	FCRLB	FCRLB	Ficolin-1	O00602	FCN1	2219	TRUE	0.09	0.18	0.241	0.061631
15584-9	FHR2	FHR2	Fc receptor-like B	Q6BAA4	FCRLB	3	TRUE	0.09	0.151	7.561	0.103588
15585-304	fibulin 5	fibulin 5	Complement factor H-related protein 2	P36980	CFHR2	3080	TRUE	0.07	0.1119	0.276	0.06904
			Fibulin-5	Q9UBX5	FBLN5	10516	TRUE	0.17	0.2234	0.213	0.054726

15587-20	FOLR2	FOLR2	Folate receptor beta galactosidase, alpha	P14207	FOLR2	2350	TRUE	0.1	0.2346	0.213	0.067771
15588-17			Alpha-galactosidase A	P06280	GLA	2717	TRUE	0.18	0.3249	0.342	0.099963
15589-1	Gc-Globulin, Mixed Type Glutathione	Gc-Globulin, Mixed Type Glutathione	Vitamin D-binding protein	P02774	GC	2638	TRUE	0.13	0.1583	0.249	0.055092
15591-28	peroxidase	peroxidase	Glutathione peroxidase 1	P07203	GPX1	2876	TRUE	0.16	0.2949	0.495	0.084649
15596-7	HEX11	HEX11	Protein HEXIM1	O94992	HEXIM1	10614	TRUE	0.12	0.082	0.934	0.107297
15602-43	IL-6 sRa	IL-6 sRa	Interleukin-6 receptor subunit alpha	P08887	IL6R	3570	TRUE	0.1	0.1192	0.274	0.087396
15603-20	Integrin alpha-2	Integrin alpha-2	Integrin alpha-2	P17301	ITGA2	3673	TRUE	0.08	0.2042	1.506	0.059946
15604-18	JNK2	JNK2	Mitogen-activated protein kinase 9	P45984	MAPK9	5601	TRUE	0.06	0.0807	0.37	0.043764
15606-19	Keratin 19	Keratin 19	Keratin, type I cytoskeletal 19	P08727	KRT19	3880	TRUE	0.11	0.1141	0.376	0.065496
15607-56	KPYR	KPYR	Pyruvate kinase PKLR	P30613	PKLR	5313	TRUE	0.08	0.1635	0.45	0.028309
15608-5	KS6B1	KS6B1	Ribosomal protein S6 kinase beta-1	P23443	RPS6KB1	6198	TRUE	0.07	0.1453	0.694	0.053174
15610-72	LAP	LAP	Cytosol aminopeptidase	P28838	LAP3	51056	TRUE	0.28	0.2624	0.654	0.064962
15612-5	LIN7B	LIN7B	Protein lin-7 homolog B	Q9HAP6	LIN7B	64130	TRUE	0.23	0.2	0.27	0.073962
15613-16	LIPP	LIPP	Pancreatic triacylglycerol lipase	P16233	PNLIP	5406	TRUE	0.21	0.0837	0.5	0.051885
15614-168	LIRA2	LIRA2	Leukocyte immunoglobulin-like receptor subfamily A member 2	Q8N149	LILRA2	11027	TRUE	0.09	0.1423	0.416	0.082081
15615-8	LIRB3	LIRB3	Leukocyte immunoglobulin-like receptor subfamily B member 3	O75022	LILRB3	10272 5035	TRUE	0.07	0.1445	1.428	0.04723
15617-8	lymphotactin beta	actin beta	Cytokine SCM-1 beta	Q9UBD3	XCL2	6846	TRUE	0.09	0.1944	0.198	0.038963
15620-4	NLGN1	NLGN1	Neuroigin-1 Opioid-binding protein/cell adhesion molecule	Q8N2Q7	NLGN1	22871	TRUE	0.06	0.1035	0.196	0.059202
15622-13	OBCAM	OBCAM		Q14982	OPCML	4978	TRUE	0.09	0.0883	4.373	0.060922

15623-1	PD-1	PD-1	Programmed cell death protein 1	Q15116	PDCD1	5133	TRUE	0.08	0.1285	0.182	0.052493
15626-223	Perlecan	Perlecan	Basement membrane-specific heparan sulfate proteoglycan core protein	P98160	HSPG2	3339	TRUE	0.08	0.1147	0.218	0.049664
15627-83	PKB	PKB	RAC-alpha serine/threonine-protein kinase	P31749	AKT1	207	TRUE	0.35	0.5244	0.798	0.084253
15633-6	RBP	RBP	Retinol-binding protein 4	P02753	RBP4	5950	TRUE	0.14	0.1258	0.283	0.071517
15634-139	SLIT1	SLIT1	Slit homolog 1 protein	O75093	SLIT1	6585	TRUE	0.08	0.146	0.199	0.07182
15636-49	SORC1	SORC1	VPS10 domain-containing receptor SorCS1	Q8WY21	SORCS1	11481 5	TRUE	0.07	0.1367	0.25	0.042477
15640-54	TAGL	TAGL	Transgelin	Q01995	TAGLN	6876	TRUE	0.24	0.5775	0.365	0.025734
15641-20	TEFF1	TEFF1	Tomoregulin-1	Q8IYR6	TMEFF1	10052 6694	TRUE	0.06	0.1349	0.175	0.071078
15644-1	Biotinidase	Biotinidase	Biotinidase	P43251	BTD	686	TRUE	0.08	0.0918	0.15	0.043213
15653-9	COAA1	COAA1	Collagen alpha-1(X) chain	Q03692	COL10A1	1300	TRUE	0.07	0.149	1.028	0.093965
15667-39	BMP-4	BMP-4	Bone morphogenetic protein 4	P12644	BMP4	652	TRUE	0.07	0.0704	0.241	0.085158
15669-7	BRAF1	BRAF1	Serine/threonine-protein kinase B-raf	P15056	BRAF	673	TRUE	0.26	0.3467	0.216	0.128575
15670-15	C1QL2	C1QL2	Complement C1q-like protein 2	Q7Z5L3	C1QL2	16525 7	TRUE	0.16	0.2244	1.288	0.038886
15678-71	DKK2	DKK2	Dickkopf-related protein 2	Q9UBU2	DKK2	27123	TRUE	0.09	0.1612	0.506	0.129821
15688-30	Mannose-binding lectin	Mannose-binding lectin	Protein ERGIC-53	P49257	LMAN1	3998	TRUE	0.12	0.099	0.235	0.061505
15693-9	PgR	PgR	Progesterone receptor	P06401	PGR	5241	TRUE	0.14	0.1882	0.433	0.07777
15698-6	TXLNA	TXLNA	Alpha-taxilin	P40222	TXLNA	20008 1	TRUE	0.05	0.2687	1.789	0.055173
16015-19	ALT	ALT	Alanine aminotransferase 1	P24298	GPT	2875	TRUE	0.19	0.2021	0.191	0.092896
16035-8	VEGF sR3	VEGF sR3	Vascular endothelial growth factor receptor 3	P35916	FLT4	2324	TRUE	0.12	0.1522	0.197	0.076081
16043-30	SHC1	SHC1:PI D	SHC-transforming protein 1:Phosphotyrosine Interaction Domain	P29353	SHC1	6464	TRUE	0.09	0.1016	0.794	0.072773

16055-3	H-related 5	complement factor H-related 5	Complement factor H-related protein 5	Q9BXR6	CFHR5	81494	TRUE	0.16	0.509	0.391	0.075057
16057-6	IGF-II receptor	IGF-II receptor	Cation-independent mannose-6-phosphate receptor	P11717	IGF2R	3482	TRUE	0.11	0.1403	0.189	0.041733
16060-99	NID2	NID2	Nidogen-2	Q14112	NID2	22795	TRUE	0.14	0.3077	0.318	0.035379
16070-7	WIF-1	WIF-1	Wnt inhibitory factor 1	Q9Y5W5	WIF1	11197	TRUE	0.09	0.2205	0.399	0.034584
16074-12	GRB2-related adapter protein 2	GRB2-related adapter protein 2	GRB2-related adapter protein 2	O75791	GRAP2	9402	TRUE	0.11	0.1871	0.279	0.076748
16079-2	TEC	TEC	Tyrosine-protein kinase Tec	P42680	TEC	7006	TRUE	0.16	0.218	0.548	0.082607
16081-38	Aldose reductase-like	Aldose reductase-like	Aldo-keto reductase family 1 member B10	O60218	AKR1B10	57016	TRUE	0.29	0.2089	0.368	0.080896
16288-17	EPHA4	EPHA4	Ephrin type-A receptor 4	P54764	EPHA4	2043	TRUE	0.08	0.1059	0.168	0.059792
16293-1	Growth hormone-releasing factor	Growth hormone-releasing factor	Somatoliberin	P01286	GHRH	2691	TRUE	0.07	0.2044	0.337	0.044495
16296-43	LGR5	LGR5	Leucine-rich repeat-containing G-protein coupled receptor 5	O75473	LGR5	8549	TRUE	0.14	0.1761	1.854	0.076408
16297-14	ROBO4	ROBO4	Roundabout homolog 4	Q8WZ75	ROBO4	54538	TRUE	0.12	0.1965	1.6	0.071044
16300-4	TREM2	TREM2	Triggering receptor expressed on myeloid cells 2	Q9NZC2	TREM2	54209	TRUE	0.19	0.2003	0.46	0.041355
16304-6	LGR4	LGR4	Leucine-rich repeat-containing G-protein coupled receptor 4	Q9BXB1	LGR4	55366	TRUE	0.09	0.2187	2.435	0.116508
16307-22	UNC5H4	UNC5H4	Netrin receptor UNC5D	Q6UXZ4	UNC5D	0	TRUE	0.14	0.4953	0.287	0.066947
16309-30	Soggy-1	Soggy-1	Dickkopf-like protein 1	Q9UK85	DKKL1	27120	TRUE	0.14	0.1942	0.139	0.037623
16315-105	VEGF sR1	VEGF sR1	Vascular endothelial growth factor receptor 1	P17948	FLT1	2321	TRUE	0.14	0.1974	0.536	0.088308
16317-20	Desmoglein-3	Desmoglein-3	Desmoglein-3	P32926	DSG3	1830	TRUE	0.08	5.1802	0.781	0.039573

16318-12	ALK-1	ALK-1	Serine/threonine-protein kinase receptor R3	P37023	ACVRL1	94	TRUE	0.11	0.1805	0.348	0.122459
16320-139	CD320	CD320	CD320 antigen	Q9NPF0	CD320	51293	TRUE	0.21	0.2745	7.269	0.101789
16322-10	PACAP	PACAP	Marginal zone B- and B1-cell-specific protein	Q8WU39	MZB1	51237	TRUE	0.14	0.2548	0.313	0.05973
16323-8	NRX3A	NRX3A	Neurexin-3	Q9Y4C0	NRXN3	9369	TRUE	0.12	0.1191	0.237	0.072836
16536-3	HMGA1	HMGA1	High mobility group protein HMG-I/HMG-Y	P17096	HMGA1	3159	TRUE	0.12	0.1321	0.3	0.074442
16551-14	STA5B	STA5B	Signal transducer and activator of transcription 5B	P51692	STAT5B	6777	TRUE	0.17	0.2123	0.216	0.059088
16558-2	MYOC	MYOC	Myocilin	Q99972	MYOC	4653	TRUE	0.13	0.2909	0.263	0.06888
16561-9	Alpha-1B-glycoprotein	Alpha-1B-glycoprotein	Alpha-1B-glycoprotein Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical]	P04217	A1BG	1	TRUE	0.11	0.2064	0.158	0.041711
16583-8	AP4A	AP4A	Acidic mammalian chitinase	P50583	NUDT2	318	TRUE	0.11	0.1159	0.829	0.043318
16591-71	CHIA	CHIA	FAS-associated death domain protein	Q9BZP6	CHIA	27159	TRUE	0.19	0.2359	1.956	0.107411
16593-3	FADD	FADD	GPN-loop GTPase 1	Q13158	FADD	8772	TRUE	0.11	0.1521	0.238	0.080049
16599-38	GPN1	GPN1	Complement C1q and tumor necrosis factor-related protein 9A	Q9HCN4	GPN1	11321	TRUE	0.14	0.1621	4.654	0.075481
16605-2	C1T9A	C1T9A	Aldose reductase	POC862	C1QTNF9	338872	TRUE	0.12	0.1053	0.254	0.091638
16606-85	Aldose reductase	Aldose reductase	Aldose reductase	P15121	AKR1B1	231	TRUE	0.21	0.2282	0.415	0.046298
16607-78	Gelsolin	Gelsolin	Gelsolin	P06396	GSN	2934	TRUE	0.07	0.1884	0.173	0.039045
16610-13	LRP10	LRP10	Low-density lipoprotein receptor-related protein 10	Q7Z4F1	LRP10	26020	TRUE	0.32	0.5961	0.169	0.060497
16612-28	SDC3	SDC3	Syndecan-3	O75056	SDC3	9672	TRUE	0.29	0.9763	0.332	0.077992
16613-3	CAD17	CAD17	Cadherin-17	Q12864	CDH17	1015	TRUE	0.2	0.4566	0.43	0.05251
16614-27	RSPO1	RSPO1	R-spondin-1	Q2MKA7	RSPO1	284654	TRUE	0.08	0.1023	0.557	0.06166
16616-137	ENOB	ENOB	Beta-enolase	P13929	ENO3	2027	TRUE	0.07	0.2471	0.884	0.042711
16618-7	CD69	CD69	Early activation antigen CD69	Q07108	CD69	969	TRUE	0.11	0.1063	0.644	0.043133
16620-26	LY75	LY75	Lymphocyte antigen 75	O60449	LY75	100526664	TRUE	0.11	0.13	0.297	0.051651

16621-77	AIBP	AIBP	NAD(P)H-hydrate epimerase	Q8NCW5	NAXE	12824	0	TRUE	0.09	5.7087	0.262	0.091803
16746-12	Activin B	Activin B	Activin B	P09529	INHBB	3625		TRUE	0.1	0.1407	0.923	0.367764
16748-1	BMP-3	BMP-3	Bone morphogenetic protein 3	P12645	BMP3	651		TRUE	0.17	0.2439	0.189	0.067899
16749-79	BMP-3b	BMP-3b	Growth/differentiation factor 10	P55107	GDF10	2662		TRUE	0.09	0.0966	0.111	0.050814
16753-46	CO6A2	CO6A2	Collagen alpha-2(VI) chain	P12110	COL6A2	1292		TRUE	0.07	0.139	0.443	0.077431
16754-40	CSKP	CSKP	Peripheral plasma membrane protein CASK	O14936	CASK	8573		TRUE	0.16	0.2542	0.201	0.085203
16755-195	GDF-3	GDF-3	Growth/differentiation factor 3	Q9NR23	GDF3	9573		TRUE	0.11	0.2595	0.13	0.06538
16758-96	HDGF	HDGF	Hepatoma-derived growth factor	P51858	HDGF	3068		TRUE	0.12	0.1025	0.482	0.046451
16760-2	IL-26	IL-26	Interleukin-26	Q9NPH9	IL26	55801		TRUE	0.22	0.4717	0.297	0.068666
16763-11	LECT2	LECT2	Leukocyte cell-derived chemotaxin-2	O14960	LECT2	3950		TRUE	0.13	0.1515	0.279	0.050035
16765-52	PBP	PBP	Platelet basic protein	P02775	PPBP	5473		TRUE	0.08	0.1231	0.377	0.036689
16768-3	PLAK	PLAK	Junction plakoglobin	P14923	JUP	3728		TRUE	0.1	0.1374	1.013	0.109504
16770-3	REG1B	REG1B	Lithostathine-1-beta	P48304	REG1B	5968		TRUE	0.15	0.324	0.512	0.257739
16773-29	SCUB3	SCUB3	Signal peptide, CUB and EGF-like domain-containing protein 3	Q8IX30	SCUBE3	22266	3	TRUE	0.1	0.1155	0.201	0.061999
16780-6	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A	3303		TRUE	0.14	0.3134	1.087	0.044873
16785-45	HD-5	HD-5	Defensin-5	Q01523	DEFA5	1670		TRUE	0.12	0.15	0.473	0.07853
16792-4	Siglec-5	Siglec-5	Sialic acid-binding Ig-like lectin 5	O15389	SIGLEC5	8778		TRUE	0.16	0.18	0.498	0.095093
16802-31	OCAD1	OCAD1	OCIA domain-containing protein 1	Q9NX40	OCIAD1	54940		TRUE	0.25	0.2489	0.428	0.064053
16803-4	CALB2	CALB2	Calretinin	P22676	CALB2	794		TRUE	0.21	0.4059	1.627	0.073964
16805-5	PDE5A	PDE5A	cGMP-specific 3',5'-cyclic phosphodiesterase	O76074	PDE5A	8654		TRUE	0.19	0.3142	0.921	0.114843
16807-35	TNNT3	TNNT3	Troponin T, fast skeletal muscle	P45378	TNNT3	7140		TRUE	0.2	0.1726	1.241	0.119085
16809-1	NDKM	NDKM	Nucleoside diphosphate kinase, mitochondrial	O00746	NME4	4833		TRUE	0.12	0.1574	0.712	0.067821
16810-3	RhoGDI	RhoGDI	Rab GDP dissociation inhibitor alpha	P31150	GDI1	2664		TRUE	0.11	0.1579	0.518	0.089931
16814-13	SLIM 1	SLIM 1	Four and a half LIM domains protein 1	Q13642	FHL1	2273		TRUE	0.16	0.2027	0.258	0.085776

16818-200	CDCP1	CDCP1	CUB domain-containing protein 1	Q9H5V8	CDCP1	64866	TRUE	0.1	0.1361	0.572	0.033909
16823-75	APOL3	APOL3	Apolipoprotein L3	O95236	APOL3	80833	TRUE	0.11	0.2497	0.36	0.087816
16825-20	ATX3	ATX3	Ataxin-3	P54252	ATXN3	4287	TRUE	0.12	0.1854	0.375	0.069323
16828-8	Collagen a1(VI)	Collagen a1(VI)	Collagen alpha-1(VI) chain	P12109	COL6A1	1291	TRUE	0.07	0.2614	0.374	0.044824
16831-7	DOK1	DOK1	Docking protein 1	Q99704	DOK1	1796	TRUE	0.08	0.2219	0.59	0.036908
16850-5	RGS5	RGS5	Regulator of G-protein signaling 5	O15539	RGS5	8490	TRUE	0.12	0.1365	0.137	0.059782
16851-50	SCO2	SCO2	Protein SCO2 homolog, mitochondrial Na(+)/H(+) exchange regulatory cofactor NHE-RF3	O43819	SCO2	9997	TRUE	0.08	0.1155	0.575	0.069462
16852-10	NHRF3	NHRF3	Nicotinamide riboside kinase 1	Q5T2W1	PDZK1	5174	TRUE	0.11	0.1167	0.213	0.049912
16853-5	NRK1	NRK1	U6 snRNA-associated Sm-like protein LSm4	Q9NWW6	NMRK1	54981	TRUE	0.07	0.1847	3.02	0.031588
16854-17	LSM4	LSM4	Microtubule-associated protein RP/EB family member 2	Q9Y4Z0	LSM4	25804	TRUE	0.17	0.1217	0.255	0.069514
16856-79	MARE2	MARE2	Ras-related protein Rab-2A	Q15555	MAPRE2	10982	TRUE	0.09	0.1107	0.982	0.05703
16857-2	RAB2A	RAB2A	Reticulocalbin-3	P61019	RAB2A	5862	TRUE	0.08	0.1119	1.309	0.018566
16858-384	RCN3	RCN3	Endophilin-B1	Q96D15	RCN3	57333	TRUE	0.08	0.1651	0.16	0.050844
16859-100	SHLB1	SHLB1	N-acylneuraminate-9-phosphatase	Q9Y371	SH3GLB1	51100	TRUE	0.08	0.1089	0.189	0.051664
16863-47	NANP	NANP	TATA-binding protein-associated factor 2N	Q8TBE9	NANP	8	TRUE	0.07	0.0731	0.473	0.046382
16865-62	RBP56	RBP56	Cyclin-dependent kinase 16	Q92804	TAF15	8148	TRUE	0.05	0.1371	0.214	0.051075
16867-76	PCTK1	PCTK1	Maleylacetoacetate isomerase	Q00536	CDK16	5127	TRUE	0.08	0.1424	0.948	0.029329
16872-248	MAAI	MAAI	Methionine-R-sulfoxide reductase B2, mitochondrial	O43708	GSTZ1	2954	TRUE	0.09	0.0736	0.974	0.087255
16877-19	MSRB2	MSRB2	14 kDa phosphohistidine phosphatase	Q9Y3D2	MSRB2	22921	TRUE	0.07	0.0624	0.661	0.035567
16882-27	PHP14	PHP14	Ras-related protein Rab-4A	Q9NWX4	PHPT1	29085	TRUE	0.07	0.0818	0.303	0.098227
16883-57	RAB4A	RAB4A	Microtubule-associated protein RP/EB family member 3	P20338	RAB4A	5867	TRUE	0.09	0.14	0.448	0.036528
16885-49	MARE3	MARE3		Q9UPY8	MAPRE3	22924	TRUE	0.17	0.6086	0.66	0.068666

16887-29	PTH2	PTH2	Peptidyl-tRNA hydrolase 2, mitochondrial	Q9Y3E5	PTRH2	51651	TRUE	0.12	0.1027	0.785	0.034908
16899-59	OSBL9	OSBL9	Oxysterol-binding protein-related protein 9	Q96SU4	OSBPL9	11488 3	TRUE	0.09	0.1194	0.152	0.052667
16900-29	MDGA1	MDGA1	MAM domain-containing glycosylphosphatidylinositol anchor protein 1	Q8NFP4	MDGA1	26672 7	TRUE	0.07	0.1257	0.35	0.057793
16902-17	LAMP1	LAMP1	Lysosome-associated membrane glycoprotein 1	P11279	LAMP1	3916	TRUE	0.1	0.1298	1.047	0.051702
16907-3	Nectin-like protein 3	Nectin-like protein 3				25355					
16908-5	OMGP	OMGP	Cell adhesion molecule 2 Oligodendrocyte-myelin glycoprotein	Q8N3J6	CADM2	9	TRUE	0.09	0.1562	0.205	0.061593
16913-8	RNT2	RNT2	Ribonuclease T2	P23515	OMG	4974	TRUE	0.08	0.1422	0.488	0.031924
16914-104	sCD14	sCD14	Monocyte differentiation antigen CD14, soluble	Q8N3J6	CADM2	9	TRUE	0.09	0.1562	0.205	0.061593
16915-153	SEM4A	SEM4A	Semaphorin-4A	P08571	CD14	929	TRUE	0.08	0.0862	0.206	0.074834
16916-19	SLIK6	SLIK6	SLIT and NTRK-like protein 6	Q9H3S1	SEMA4A	64218	TRUE	0.06	0.1563	0.183	0.037149
16918-198	TLR3	TLR3	Toll-like receptor 3	Q9H5Y7	SLITRK6	84189	TRUE	0.12	0.1177	0.252	0.058205
16919-1	ACBP	ACBP	Acyl-CoA-binding protein	O15455	TLR3	7098	TRUE	0.11	0.1834	0.35	0.059235
16923-20	Profilin II	Profilin II	Profilin-2	P07108	DBI	1622	TRUE	0.1	5.7557	0.361	0.060843
16926-44	Alkaline phosphatase, liver	Alkaline phosphatase, liver	Alkaline phosphatase, tissue-nonspecific isozyme	P35080	PFN2	5217	TRUE	0.06	0.0715	0.401	0.09842
16927-9	Coagulation factor XIII	Coagulation factor XIII		P05186	ALPL	249	TRUE	0.08	0.1277	0.159	0.062898
16932-5	SULT 1E1	SULT 1E1	Estrogen sulfotransferase	P05160 P00488	F13B F13A1	2165 2162	TRUE	0.08	0.2026	0.222	0.023874
17137-160	Beta-globin	Beta-globin	Hemoglobin subunit beta	P49888	SULT1E1	6783	TRUE	0.09	0.1381	0.223	0.074021
17138-8	GST A1-1	GST A1-1	Glutathione S-transferase A1	P68871	HBB	3043	TRUE	0.23	0.1423	2.856	0.066098
17140-57	PDGFD	PDGFD	Platelet-derived growth factor D	P08263	GSTA1	2938	TRUE	0.12	0.1275	0.918	0.077792
				Q9GZP0	PDGFD	80310	TRUE	0.08	0.1379	0.716	0.071031

17148-7	BLVRB	BLVRB	Flavin reductase (NADPH) 10 kDa heat shock protein,	P30043	BLVRB	645	TRUE	0.06	0.1439	0.321	0.027846
17150-8	HSP 10	HSP 10	mitochondrial	P61604	HSPE1	3336	TRUE	0.09	0.2794	0.795	0.054982
17151-84	IRF-3	IRF-3	Interferon regulatory factor 3	Q14653	IRF3	3661	TRUE	0.09	0.1206	0.826	0.048017
17152-10	KI2S4	KI2S4	Killer cell immunoglobulin-like receptor 2DS4	P43632	KIR2DS4	3809	TRUE	0.08	0.1468	0.108	0.095097
17153-46	KI2L3	KI2L3	Killer cell immunoglobulin-like receptor 2DL3	P43628	KIR2DL3	3804	TRUE	0.06	0.1389	0.548	0.0323
17154-2	TEBP	TEBP	Prostaglandin E synthase 3	Q15185	PTGES3	10728	TRUE	0.22	0.1621	0.299	0.112654
17155-1	VPS28 protein homolog	VPS28 protein homolog	Vacuolar protein sorting-associated protein 28 homolog	Q9UK41	VPS28	51160	TRUE	0.24	0.2593	0.234	0.054446
17156-72	DCAK1	DCAK1	Serine/threonine-protein kinase DCLK1	O15075	DCLK1	9201	TRUE	0.18	0.2536	1.078	0.047043
17158-17	UB2G1	UB2G1	Ubiquitin-conjugating enzyme E2 G1	P62253	UBE2G1	7326	TRUE	0.11	0.1735	0.49	0.085694
17161-1	OST48	OST48	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	P39656	DDOST	1650	TRUE	0.12	0.1527	0.219	0.035183
17164-15	annexin IV	annexin IV	Annexin A4	P09525	ANXA4	307	TRUE	0.11	0.1343	0.649	0.067557
17165-1	BTG	BTG	Beta-thromboglobulin	P02775	PPBP	5473	TRUE	0.07	0.2304	0.71	0.119129
17166-4	FGF-8F	FGF-8F	Fibroblast growth factor 8 isoform F	P55075	FGF8	2253	TRUE	0.08	0.1543	1.496	0.077103
17170-15	CALCB	CALCB	Calcitonin gene-related peptide 2	P10092	CALCB	797	TRUE	0.11	0.4442	1.765	0.080488
17172-19	STAT	STAT	Statherin	P02808	STATH	6779	TRUE	0.07	0.2596	1.886	0.033926
17175-5	MP2K6	MP2K6	Dual specificity mitogen-activated protein kinase kinase 6	P52564	MAP2K6	5608	TRUE	0.07	0.1186	0.148	0.066594
17176-13	PSIP1	PSIP1	PC4 and SFRS1-interacting protein	O75475	PSIP1	11168	TRUE	0.08	0.0899	0.336	0.053645
17196-5	ClpP endopeptidase	ClpP endopeptidase	ATP-dependent Clp protease proteolytic subunit, mitochondrial	Q16740	CLPP	8192	TRUE	0.09	0.0967	0.32	0.078131
17199-43	HIF1N	HIF1N	Hypoxia-inducible factor 1-alpha inhibitor	Q9NWT6	HIF1AN	55662	TRUE	0.12	0.2415	0.151	0.04594
17200-50	KI2L1	KI2L1	Killer cell immunoglobulin-like receptor 2DL1	P43626	KIR2DL1	3802	TRUE	0.2	0.1684	0.263	0.055711

17204-17	PNMT	PNMT	Phenylethanolamine N-methyltransferase	P11086	PNMT	5409	TRUE	0.12	0.1224	0.511	0.070571
17205-21	RAB5A	RAB5A	Ras-related protein Rab-5A	P20339	RAB5A	5868	TRUE	0.07	0.1259	0.74	0.089371
17209-27	ST2B1	ST2B1	Sulfotransferase family cytosolic 2B member 1	O00204	SULT2B1	6820	TRUE	0.15	0.0864	0.192	0.041213
17210-2	TCL1A	TCL1A	T-cell leukemia/lymphoma protein 1A	P56279	TCL1A	8115	TRUE	0.05	0.1622	0.282	0.075938
17224-12	MIME	MIME	Mimecan	P20774	OGN	4969	TRUE	0.1	0.1244	0.273	0.115122
17231-1	L-plastin	L-plastin	Plastin-2	P13796	LCP1	3936	TRUE	0.12	0.0878	0.207	0.083844
17319-1	SELH	SELH	Selenoprotein H L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	Q8IZQ5	H	6	TRUE	0.13	0.1937	0.166	0.049663
17320-19	ADPPT	ADPPT	transferase	Q9NRN7	AASDHP PT	60496	TRUE	0.06	0.105	0.784	0.09172
17325-10	KGUA	KGUA	Guanylate kinase	Q16774	GUK1	2987	TRUE	0.07	0.1479	0.504	0.070143
17327-3	CNPY3	CNPY3	Protein canopy homolog 3	Q9BT09	CNPY3	10695	TRUE	0.09	0.1923	0.607	0.072287
17329-2	BDH2	BDH2	3-hydroxybutyrate dehydrogenase type 2	Q9BUT1	BDH2	56898	TRUE	0.09	0.1119	0.47	0.097104
17331-138	KREM1	KREM1	Kremen protein 1	Q96MU8	KREMEN 1	83999	TRUE	0.11	0.3066	0.157	0.065852
17332-3	ARHL2	ARHL2	Poly(ADP-ribose) glycohydrolase ARH3	Q9NX46	ADPRS	54936	TRUE	0.07	0.0961	0.401	0.095823
17335-18	VAMP2	VAMP2	Vesicle-associated membrane protein 2	P63027	VAMP2	6844	TRUE	0.07	0.1136	0.979	0.085961
17336-54	CR3L2	CR3L2	Cyclic AMP-responsive element-binding protein 3-like protein 2	Q70SY1	CREB3L2	64764	TRUE	0.07	0.0902	0.486	0.030506
17342-13	AGR3	AGR3	Anterior gradient protein 3	Q8TD06	AGR3	5	TRUE	0.08	0.2431	0.675	0.055129
17344-23	STML1	STML1	Stomatin-like protein 1	Q9UBI4	STOML1	9399	TRUE	0.09	0.1671	0.122	0.068634
17345-12	ZADH2	ZADH2	Prostaglandin reductase 3	Q8N4Q0	ZADH2	3	TRUE	0.18	0.1427	1.082	0.0552
17346-61	FDSCP	FDSCP	Follicular dendritic cell secreted peptide	Q8NFU4	FDCSP	6	TRUE	0.09	0.1231	0.427	0.088481
17347-80	CA080	CA080	Axin interactor, dorsalization-associated protein	Q96BJ3	AIDA	64853	TRUE	0.09	0.1799	0.579	0.232501
17350-13	CHM2B	CHM2B	Charged multivesicular body protein 2b	Q9UQN3	CHMP2B	25978	TRUE	0.12	0.1391	0.782	0.048953
17355-56	SYT4	SYT4	Synaptotagmin-4	Q9H2B2	SYT4	6860	TRUE	0.13	0.1907	0.439	0.077725
17356-34	IL1FA	IL1FA	Interleukin-1 family member 10	Q8WWZ 1	IL1F10	84639	TRUE	0.09	0.1193	0.461	0.092154

17357-33	SPCS	SPCS	O-phosphoserine transferase	Q9HD40	SEPSECS	51091	TRUE	0.08	0.1067	0.974	0.060827
17364-8	RU2B	RU2B	U2 small nuclear ribonucleoprotein B''	P08579	SNRPB2	6629	TRUE	0.06	0.1041	1.156	0.090688
17365-7	KAT1	KAT1	Kynurenine--oxoglutarate transaminase 1	Q16773	KYAT1	883	TRUE	0.17	0.1247	1.04	0.030151
17370-186	ABHDA	ABHDA	Mycophenolic acid acyl-glucuronide esterase, mitochondrial	Q9NUJ1	ABHD10	55347	TRUE	0.14	0.1905	0.801	0.100623
17372-5	4EBP1	4EBP1	Eukaryotic translation initiation factor 4E-binding protein 1	Q13541	EIF4EBP1	1978	TRUE	0.12	0.1394	0.32	0.040281
17377-1	Aldose reductase-like C3	Aldose reductase-like C3	Aldo-keto reductase family 1 member C3	P42330	AKR1C3	8644	TRUE	0.1	0.0971	0.319	0.065822
17380-2	UBE2K	UBE2K	Ubiquitin-conjugating enzyme E2 K	P61086	UBE2K	3093	TRUE	0.07	0.2604	0.731	0.058036
17383-4	STAR5	STAR5	StAR-related lipid transfer protein 5	Q9NSY2	STARD5	80765	TRUE	0.13	0.1231	0.961	0.141221
17384-110	K6PF	K6PF	ATP-dependent 6-phosphofructokinase, muscle type	P08237	PFKM	5213	TRUE	0.06	0.5535	0.471	0.058947
17387-27	IKB-beta	IKB-beta	NF-kappa-B inhibitor beta	Q15653	NFKBIB	4793	TRUE	0.14	0.1623	1.414	0.049687
17391-10	SPF45	SPF45	Splicing factor 45	Q96I25	RBM17	84991	TRUE	0.1	0.1044	0.657	0.094377
17393-13	SCAD	SCAD	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	P16219	ACADS	35	TRUE	0.16	0.2056	0.155	0.030106
17396-23	ADH1A	ADH1A	Alcohol dehydrogenase 1A	P07327	ADH1A	124	TRUE	0.08	0.242	1.17	0.053993
17400-71	ACOT8	ACOT8	Acyl-coenzyme A thioesterase 8	O14734	ACOT8	10005	TRUE	0.09	0.1163	0.661	0.043747
17403-14	acyl-Coenzyme A dehydrogenase	acyl-Coenzyme A dehydrogenase	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial	P45954	ACADSB	36	TRUE	0.09	0.1855	0.389	0.045376
17404-5	ARL5B	ARL5B	ADP-ribosylation factor-like protein 5B	Q96KC2	ARL5B	22107 9	TRUE	0.13	0.2568	0.43	0.119812
17405-2	UCHL5	UCHL5	Ubiquitin carboxyl-terminal hydrolase isozyme L5	Q9Y5K5	UCHL5	51377	TRUE	0.1	0.1611	0.813	0.100528
17408-2	PMM1	PMM1	Phosphomannomutase 1	Q92871	PMM1	5372	TRUE	0.08	0.0914	1.905	0.120976
17410-5	CETN3	CETN3	Centrin-3	O15182	CETN3	1070	TRUE	0.12	0.1909	0.323	0.088736

17411-55	UFD1	UFD1	Ubiquitin recognition factor in ER-associated degradation protein 1	Q92890	UFD1	7353	TRUE	0.08	0.0769	0.939	0.049516
17432-25	KAD4	KAD4	Adenylate kinase 4, mitochondrial	P27144	AK4	205	TRUE	0.15	0.2967	0.13	0.268716
17435-43	ETFA	ETFA	Electron transfer flavoprotein subunit alpha, mitochondrial	P13804	ETFA	2108	TRUE	0.14	0.1367	0.637	0.053326
17436-193	CSNK1G2	CSNK1G2	Casein kinase I isoform gamma-2	P78368	CSNK1G2	1455	TRUE	0.13	0.1686	0.647	0.035393
17441-4	Alkaline phosphatase, intestine	Alkaline phosphatase, intestine	Intestinal-type alkaline phosphatase	P09923	ALPI	248	TRUE	0.14	0.1968	0.295	0.03461
17447-52	SFRP4	SFRP4	Secreted frizzled-related protein 4	Q6FHJ7	SFRP4	6424	TRUE	0.09	0.1176	0.363	0.031881
17449-23	CD9	CD9	CD9 antigen	P21926	CD9	928	TRUE	0.12	0.1371	0.195	0.045557
17450-51	Histidyl-tRNA synthetase	Histidyl-tRNA synthetase	Histidine--tRNA ligase, cytoplasmic	P12081	HARS1	3035	TRUE	0.1	0.0916	0.916	0.054904
17451-13	BIM	BIM	Bcl-2-like protein 11	O43521	BCL2L11	10018	TRUE	0.15	0.166	0.245	0.163629
17453-34	Ceruloplasmin	Ceruloplasmin	Ceruloplasmin	P00450	CP	1356	TRUE	0.27	0.2752	0.2	0.042366
17454-15	EGFL6	EGFL6	Epidermal growth factor-like protein 6	Q8IUX8	EGFL6	25975	TRUE	0.05	0.0584	0.49	0.041605
17456-53	GOLM1	GOLM1	Golgi membrane protein 1	Q8NBJ4	GOLM1	51280	TRUE	0.07	0.0731	0.326	0.064984
17460-51	Mx1	Mx1	Interferon-induced GTP-binding protein Mx1	P20591	MX1	4599	TRUE	0.08	0.102	0.595	0.0118
17462-19	IRF1	IRF1	Interferon regulatory factor 1	P10914	IRF1	3659	TRUE	0.06	0.1567	0.866	0.071937
17466-72	ACSF2	ACSF2	Acyl-CoA synthetase family member 2, mitochondrial	Q96CM8	ACSF2	80221	TRUE	0.07	0.0961	1.279	0.086376
17467-1	DHRS9	DHRS9	Dehydrogenase/reductase SDR family member 9	Q9BPW9	DHRS9	10170	TRUE	0.1	1.7848	0.22	0.081423
17468-1	SUFU	SUFU	Suppressor of fused homolog	Q9UMX1	SUFU	51684	TRUE	0.11	0.1276	0.117	0.05341
17474-106	YETS4	YETS4	YEATS domain-containing protein 4	O95619	YETS4	8089	TRUE	0.13	0.0797	0.294	0.105008
17475-18	TOPK	TOPK	Lymphokine-activated killer T-cell-originated protein kinase	Q96KB5	PBK	55872	TRUE	0.12	0.0748	0.187	0.15623

17490-4	SH3BGRL 3-like protein	SH3BGR L3-like protein	SH3 domain-binding glutamic acid-rich-like protein 3	Q9H299	SH3BGR L3	83442	TRUE	0.06	0.0922	0.82	0.046483
17495-141	SIR3	SIR3	NAD-dependent protein deacetylase sirtuin-3, mitochondrial	Q9NTG7	SIRT3	23410	TRUE	0.1	0.1479	0.161	0.056134
17505-125	NALDL	NALDL	N-acetylated-alpha-linked acidic dipeptidase-like protein	Q9UQQ1	NAALAD L1	10004	TRUE	0.19	0.1605	0.19	0.070308
17509-6	HPPD	HPPD	4-hydroxyphenylpyruvate dioxygenase	P32754	HPD	3242	TRUE	0.27	1.1625	0.813	0.052696
17510-7	SRP14	SRP14	Signal recognition particle 14 kDa protein	P37108	SRP14	6727	TRUE	0.14	0.0964	0.193	0.063553
17511-10	RPP30	RPP30	Ribonuclease P protein subunit p30	P78346	RPP30	10556	TRUE	0.1	0.1264	0.214	0.035075
17512-2	NMI	NMI	N-myc-interactor	Q13287	NMI	9111	TRUE	0.06	0.1272	0.522	0.038261
17513-11	ANX11	ANX11	Annexin A11	P50995	ANXA11	311	TRUE	0.05	0.1488	0.92	0.083151
17514-48	RAB21	RAB21	Ras-related protein Rab- 21	Q9UL25	RAB21	23011	TRUE	0.17	0.1541	0.807	0.035273
17515-6	STCH	STCH	Heat shock 70 kDa protein 13	P48723	HSPA13	6782	TRUE	0.11	0.1419	0.313	0.058176
17671-58	ING4	ING4	Inhibitor of growth protein 4	Q9UNL4	ING4	51147	TRUE	0.14	0.1187	0.68	0.066588
17672-184	Gastric intrinsic factor	Gastric intrinsic factor	Gastric intrinsic factor	P27352	CBLIF	2694	TRUE	0.08	0.1767	0.53	0.080944
17673-34	Carbonic Anhydrase VB	Carbonic Anhydra se VB	Carbonic anhydrase 5B, mitochondrial	Q9Y2D0	CA5B	11238	TRUE	0.11	0.2182	0.194	0.039927
17675-17	ACO13	ACO13	Acyl-coenzyme A thioesterase 13	Q9NPJ3	ACOT13	55856	TRUE	0.08	0.2109	1.167	0.062019
17676-13	CIP4	CIP4	Cdc42-interacting protein 4	Q15642	TRIP10	9322	TRUE	0.1	0.1252	1.015	0.064728
17678-28	VSIG4	VSIG4	V-set and immunoglobulin domain-containing protein 4	Q9Y279	VSIG4	11326	TRUE	0.14	0.1058	0.271	0.04271
17680-12	EPHB1	EPHB1	Ephrin type-B receptor 1	P54762	EPHB1	2047	TRUE	0.11	0.1968	0.313	0.057782
17682-1	CD46	CD46	Membrane cofactor protein	P15529	CD46	4179	TRUE	0.1	0.206	0.169	0.040132
17683-2	COMD9	COMD9	COMM domain-containing protein 9	Q9P000	COMMD 9	29099	TRUE	0.09	0.1494	0.54	0.063708
17685-9	Apo A-IV	Apo A-IV	Apolipoprotein A-IV	P06727	APOA4	337	TRUE	0.07	0.1113	0.276	0.060422

17686-27	TBCB	TBCB	Tubulin-folding cofactor B	Q99426	TBCB	1155	TRUE	0.17	0.2064	0.813	0.040551
17691-1	TPP1	TPP1	Tripeptidyl-peptidase 1	O14773	TPP1	1200	TRUE	0.11	0.2783	0.242	0.080777
17692-2	BT3A3	BT3A3	Butyrophilin subfamily 3 member A3	O00478	BTN3A3	10384	TRUE	0.14	0.1226	0.151	0.097219
17693-2	Septin-6	Septin-6	Septin-6	Q14141	SEPTIN6	23157	TRUE	0.09	0.113	0.155	0.036428
17694-32	PSME2	PSME2	Proteasome activator complex subunit 2	Q9UL46	PSME2	5721	TRUE	0.08	0.6515	0.379	0.055105
17696-1	TIRP	TIRP	TIR domain-containing adapter molecule 2	Q86XR7	TICAM2	2736	TRUE	0.1	0.0795	3.971	0.05543
17697-2	OVCA2	OVCA2	Esterase OVCA2	Q8WZ82	OVCA2	1	TRUE	0.07	0.1879	0.715	0.043329
17698-15	WBP2	WBP2	WW domain-binding protein 2	Q969T9	WBP2	23558	TRUE	0.15	0.102	0.662	0.058006
17703-40	GEMI	GEMI	Geminin	O75496	GMNN	51053	TRUE	0.1	0.0905	0.177	0.103544
17704-74	HS105	HS105	Heat shock protein 105 kDa	Q92598	HSPH1	10808	TRUE	0.12	0.234	1.422	0.047959
17706-4	PPR1A	PPR1A	Protein phosphatase 1 regulatory subunit 1A	Q13522	PPP1R1	5502	TRUE	0.11	0.0951	0.174	0.067425
17711-13	VAMP1	VAMP1	Vesicle-associated membrane protein 1	P23763	VAMP1	6843	TRUE	0.07	0.1702	1.234	0.076763
17712-7	IDI1	IDI1	Isopentenyl-diphosphate Delta-isomerase 1	Q13907	IDI1	3422	TRUE	0.23	0.2437	0.447	0.067836
17721-82	GAS7	GAS7	Growth arrest-specific protein 7	O60861	GAS7	8522	TRUE	0.08	0.116	8.457	0.082482
17722-5	FKBP52	FKBP52	Peptidyl-prolyl cis-trans isomerase FKBP4	Q02790	FKBP4	2288	TRUE	0.09	0.126	0.432	0.068168
17724-3	WWOX	WWOX	WW domain-containing oxidoreductase	Q9NZC7	WWOX	51741	TRUE	0.08	0.0759	0.41	0.093497
17725-37	USH1C	USH1C	Harmonin	Q9Y6N9	USH1C	10083	TRUE	0.09	0.2278	0.19	0.056463
17726-3	SAR1A	SAR1A	GTP-binding protein SAR1a	Q9NR31	SAR1A	56681	TRUE	0.16	0.2677	1.142	0.047517
17727-1	Securin	Securin	Securin	O95997	PTTG1	9232	TRUE	0.07	0.1779	0.388	0.029693
17728-61	CHM2A	CHM2A	Charged multivesicular body protein 2a	O43633	CHMP2A	27243	TRUE	0.07	0.8993	0.812	0.022137
17729-20	UBE2S	UBE2S	Ubiquitin-conjugating enzyme E2 S	Q16763	UBE2S	27338	TRUE	0.13	0.1452	0.795	0.160487
17734-13	endosulfine	endosulfine	Alpha-endosulfine	O43768	ENSA	2029	TRUE	0.11	0.1522	0.842	0.064891
17735-130	GBRAP	GBRAP	Gamma-aminobutyric acid receptor-associated protein	O95166	GABARA	11337	TRUE	0.09	3.7896	0.183	0.048016
17736-105	APTX	APTX	Aprataxin	Q7Z2E3	APTX	54840	TRUE	0.06	0.0944	0.278	0.103429

17737-7	IVD	IVD	Isovaleryl-CoA dehydrogenase, mitochondrial	P26440	IVD	3712	TRUE	0.16	0.2284	0.713	0.034077
17738-7	CRNN	CRNN	Cornulin	Q9UBG3	CRNN	49860	TRUE	0.29	0.1806	0.643	0.072614
17739-1	HCDH	HCDH	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	Q16836	HADH	3033	TRUE	0.1	0.0988	0.96	0.027851
17742-2	RRAS	RRAS	Ras-related protein R-Ras	P10301	RRAS	6237	TRUE	0.12	0.2492	2.951	0.051367
17744-31	RB11A	RB11A	Ras-related protein Rab-11A	P62491	RAB11A	8766	TRUE	0.11	0.5095	0.819	0.100986
17746-77	FIS1	FIS1	Mitochondrial fission 1 protein	Q9Y3D6	FIS1	51024	TRUE	0.07	0.0881	0.315	0.065511
17747-45	TRAF1	TRAF1	TNF receptor-associated factor 1	Q13077	TRAF1	7185	TRUE	0.19	0.2086	0.179	0.054858
17748-21	QORX	QORX	Quinone oxidoreductase PIG3	Q53FA7	TP53I3	9540	TRUE	0.11	4.1161	0.352	0.073115
17751-68	CRBB1	CRBB1	Beta-crystallin B1	P53674	CRYBB1	1414	TRUE	0.08	0.1021	5.033	0.090332
17752-24	Arginase	Arginase	Arginase-2, mitochondrial	P78540	ARG2	384	TRUE	0.09	0.1487	3.36	0.039566
17755-5	UGDH	UGDH	UDP-glucose 6-dehydrogenase	O60701	UGDH	7358	TRUE	0.35	0.3591	1.048	0.062096
17756-69	DCTD	DCTD	Deoxycytidylate deaminase	P32321	DCTD	1635	TRUE	0.18	0.1999	0.745	0.053281
17757-86	CAB39	CAB39	Calcium-binding protein 39	Q9Y376	CAB39	51719	TRUE	0.08	2.3294	0.853	0.061947
17758-79	DCXR	DCXR	L-xylulose reductase	Q7Z4W1	DCXR	51181	TRUE	0.04	1.8652	0.675	0.101701
17760-128	WDR5	WDR5	WD repeat-containing protein 5	P61964	WDR5	11091	TRUE	0.19	0.3517	0.318	0.094076
17761-2	NUDT5	NUDT5	ADP-sugar pyrophosphatase	Q9UUK9	NUDT5	11164	TRUE	0.06	0.1022	0.245	0.09295
17764-108	RHOC	RHOC	Rho-related GTP-binding protein RhoC	P08134	RHOC	389	TRUE	0.15	0.1576	0.696	0.085848
17765-3	SPN1	SPN1	Snurportin-1	O95149	SNUPN	10073	TRUE	0.09	0.1094	0.827	0.074834
17766-5	NCF-1	NCF-1	Neutrophil cytosol factor 1	P14598	NCF1	65336 1	TRUE	0.06	0.1307	0.517	0.06323
17768-50	HAOX1	HAOX1	Hydroxyacid oxidase 1	Q9UJM8	HAO1	54363	TRUE	0.09	0.1294	0.749	0.031639
17769-28	PCNP	PCNP	PEST proteolytic signal-containing nuclear protein	Q8WW1	PCNP	57092	TRUE	0.08	0.1369	0.732	0.109597
17770-42	EMC8	EMC8	ER membrane protein complex subunit 8	O43402	EMC8	10328	TRUE	0.16	0.128	1.198	0.055613
17771-35	RPC9	RPC9	DNA-directed RNA polymerase III subunit RPC9	O75575	CRCP	27297	TRUE	0.21	0.2478	0.171	0.060393
17772-7	UBD	UBD	Ubiquitin D	O15205	UBD	10537	TRUE	0.13	0.0876	0.134	0.048657

17773-26	SNAG	SNAG	Gamma-soluble NSF attachment protein	Q99747	NAPG	8774	TRUE	0.13	0.1931	2.064	0.046555
17774-38	SMD3	SMD3	Small nuclear ribonucleoprotein Sm D3	P62318	SNRPD3	6634	TRUE	0.21	0.2006	0.195	0.064257
17775-8	TAGL3	TAGL3	Transgelin-3	Q9UI15	TAGLN3	29114	TRUE	0.1	0.1991	0.32	0.046846
17776-15	PECR	PECR	Peroxisomal trans-2-enoyl-CoA reductase	Q9BY49	PECR	55825	TRUE	0.09	0.0978	0.476	0.066831
17777-31	SDSL	SDSL	Serine dehydratase-like Microtubule-associated proteins 1A/1B light chain	Q96GA7	SDSL	5	TRUE	0.12	0.2254	0.138	0.025834
17781-191	MLP3A	MLP3A	3A	Q9H492	MAP1LC3A	84557	TRUE	0.15	0.3037	0.499	0.069882
17782-23	THIK	THIK	3-ketoacyl-CoA thiolase, peroxisomal	P09110	ACAA1	30	TRUE	0.23	0.1943	0.571	0.085204
17783-9	MMAB	MMAB	Cob(I)yrinic acid a,c-diamide adenosyltransferase, mitochondrial	Q96EY8	MMAB	32662 5	TRUE	0.12	0.1634	0.707	0.075309
17785-11	RCL	RCL	2'-deoxynucleoside 5'-phosphate N-hydrolase 1	O43598	DNPH1	10591	TRUE	0.07	0.1105	0.158	0.033872
17786-5	GGPPS	GGPPS	Geranylgeranyl pyrophosphate synthase	O95749	GGPS1	9453	TRUE	0.07	0.1002	0.23	0.100178
17791-25	HPCL1	HPCL1	Hippocalcin-like protein 1	P37235	HPCAL1	3241	TRUE	0.17	0.1254	0.212	0.09788
17792-158	SSDH	SSDH	Succinate-semialdehyde dehydrogenase, mitochondrial	P51649	ALDH5A1	7915	TRUE	0.13	0.2708	0.363	0.115491
17794-6	Phosphomannomutase 2	Phosphomannomutase 2	Phosphomannomutase 2	O15305	PMM2	5373	TRUE	0.33	0.3423	1.007	0.059705
17795-176	LSM1	LSM1	U6 snRNA-associated Sm-like protein LSM1	O15116	LSM1	27257	TRUE	0.11	0.1803	0.677	0.09695
17796-15	IMPA1	IMPA1	Inositol monophosphatase 1	P29218	IMPA1	3612	TRUE	0.15	0.1425	0.246	0.060237
17797-1	CUL1	CUL1	Cullin-1	Q13616	CUL1	8454	TRUE	0.08	0.2076	3.82	0.050996
17799-9	6PGL	6PGL	6-phosphogluconolactonase	O95336	PGLS	25796	TRUE	0.16	2.6455	0.589	0.052891
17802-4	SIAS	SIAS	Sialic acid synthase	Q9NR45	NANS	54187	TRUE	0.08	0.1452	0.462	0.059827
17804-102	PNPO	PNPO	Pyridoxine-5'-phosphate oxidase	Q9NVS9	PNPO	55163	TRUE	0.12	0.1947	0.161	0.074412
17806-6	Syntenin 1	Syntenin 1	Syntenin-1	O00560	SDCBP	6386	TRUE	0.07	0.1077	0.266	0.117967

17808-37	NIT2	NIT2	Omega-amidase NIT2	Q9NQR4	NIT2	56954	TRUE	0.19	0.2303	0.783	0.080506
17811-78	ST1C2	ST1C2	Sulfotransferase 1C2	O00338	SULT1C2	6819	TRUE	0.11	0.2201	0.187	0.064136
17813-21	BPHL	BPHL	Valacyclovir hydrolase	Q86WA6	BPHL	670	TRUE	0.08	0.211	0.179	0.096916
17816-58	NCALD	NCALD	Neurocalcin-delta	P61601	NCALD	83988	TRUE	0.06	0.1449	3.315	0.057805
17818-22	SUGT1	SUGT1	Protein SGT1 homolog	Q9Y2Z0	SUGT1	10910	TRUE	0.18	0.5218	0.769	0.073013
17820-170	MLF1	MLF1	Myeloid leukemia factor 1 Glycylpeptide N-tetradecanoyltransferase	P58340	MLF1	4291	TRUE	0.19	0.2171	0.108	0.105739
17821-20	NMT2	NMT2	2	O60551	NMT2	9397	TRUE	0.11	0.1479	0.47	0.080788
17822-57	RERG	RERG	Ras-related and estrogen-regulated growth inhibitor	Q96A58	RERG	85004	TRUE	0.13	0.1261	0.354	0.056682
17823-40	SMD2	SMD2	Small nuclear ribonucleoprotein Sm D2	P62316	SNRPD2	6633	TRUE	0.12	0.257	0.316	0.066563
17826-341	EF1D	EF1D	Elongation factor 1-delta	P29692	EEF1D	1936	TRUE	0.2	0.2451	0.915	0.065337
17827-53	DLRB2	DLRB2	Dynein light chain roadblock-type 2	Q8TF09	DYNLRB2	83657	TRUE	0.1	0.1045	0.335	0.06854
17829-2	TREX2	TREX2	Three prime repair exonuclease 2	Q9BQ50	TREX2	11219	TRUE	0.09	0.0853	0.761	0.077368
17832-12	IDI2	IDI2	Isopentenyl-diphosphate delta-isomerase 2	Q9BXS1	IDI2	91734	TRUE	0.16	0.1138	0.897	0.077435
17835-28	ANX13	ANX13	Annexin A13	P27216	ANXA13	312	TRUE	0.29	0.0891	0.258	0.038244
17836-17	S100A16	S100A16	Protein S100-A16 Chloride intracellular channel protein 2	Q96FQ6	S100A16	6	TRUE	0.09	0.1154	0.179	0.049244
17837-5	CLIC2	CLIC2	Phosphopantothenate--cysteine ligase	O15247	CLIC2	1193	TRUE	0.08	0.1272	0.252	0.058449
17843-30	PPCS	PPCS	Developmentally-regulated GTP-binding protein 1	Q9HAB8	PPCS	79717	TRUE	0.07	0.1016	0.61	0.055595
17849-6	DRG1	DRG1	Krueppel-like factor 4	Q9Y295	DRG1	4733	TRUE	0.1	0.1196	0.901	0.057933
17850-42	KLF4	KLF4	Protein phosphatase methylesterase 1	O43474	KLF4	9314	TRUE	0.09	0.1347	0.304	0.036597
17852-5	PPME1	PPME1	N-alpha-acetyltransferase 10	Q9Y570	PPME1	51400	TRUE	0.1	0.1961	0.455	0.061235
17854-33	NAA10	NAA10	Regulator of G-protein signaling 4	P41227	NAA10	8260	TRUE	0.06	0.2027	0.534	0.023958
17855-28	RGS4	RGS4	Caspase-8	P49798	RGS4	5999	TRUE	0.14	0.1124	0.238	0.067555
18158-45	Caspase-8	8	Caspase-8	Q14790	CASP8	841	TRUE	0.1	0.1412	1.032	0.058424

18162-167	IRAK4	IRAK4	Interleukin-1 receptor-associated kinase 4	Q9NWZ3	IRAK4	51135	TRUE	0.07	0.1094	0.457	0.104112
18165-181	UB2V2	UB2V2	Ubiquitin-conjugating enzyme E2 variant 2	Q15819	UBE2V2	7336	TRUE	0.04	0.106	0.409	0.108192
18166-4	RHOB	RHOB	Rho-related GTP-binding protein RhoB	P62745	RHOB	388	TRUE	0.31	0.2763	0.166	0.064882
18170-46	P5CR1	P5CR1	Pyrroline-5-carboxylate reductase 1, mitochondrial	P32322	PYCR1	5831	TRUE	0.08	0.0784	1.345	0.046964
18171-25	I-TAC	I-TAC	C-X-C motif chemokine 11	O14625	CXCL11	6373	TRUE	0.09	0.1148	0.145	0.087423
18172-71	ASF1A	ASF1A	Histone chaperone ASF1A	Q9Y294	ASF1A	25842	TRUE	0.15	0.2915	0.353	0.045476
18173-11	ARK73	ARK73	Aflatoxin B1 aldehyde reductase member 3	O95154	AKR7A3	22977	TRUE	0.07	0.4196	0.987	0.111522
18174-79	PDC6I	PDC6I	Programmed cell death 6-interacting protein	Q8WUM4	PDCD6IP	10015	TRUE	0.07	0.0757	0.583	0.044024
18175-65	VAT1	VAT1	Synaptic vesicle membrane protein VAT-1 homolog	Q99536	VAT1	10493	TRUE	0.08	2.2844	0.368	0.050761
18177-49	ULA1	ULA1	NEDD8-activating enzyme E1 regulatory subunit	Q13564	NAE1	8883	TRUE	0.24	0.2421	0.154	0.046067
18178-13	SYSC	SYSC	Serine--tRNA ligase, cytoplasmic	P49591	SARS1	6301	TRUE	0.17	0.8673	0.149	0.108352
18179-56	SPSY	SPSY	Spermine synthase	P52788	SMS	6611	TRUE	0.16	0.1655	0.102	0.078666
18180-58	RT4I1	RT4I1	Reticulon-4-interacting protein 1, mitochondrial	Q8WWV3	RTN4IP1	84816	TRUE	0.06	0.1043	0.751	0.043637
18182-24	PCKGC	PCKGC	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]	P35558	PCK1	5105	TRUE	0.21	0.1476	0.19	0.043923
18183-3	ARH	ARH	Low density lipoprotein receptor adapter protein 1	Q5SW96	LDLRAP1	26119	TRUE	0.25	0.0974	1.039	0.064907
18184-28	GUAA	GUAA	GMP synthase [glutamine-hydrolyzing]	P49915	GMPS	8833	TRUE	0.15	0.2004	0.612	0.072328
18185-118	ALDOB	ALDOB	Fructose-bisphosphate aldolase B	P05062	ALDOB	229	TRUE	0.11	0.1078	1.018	0.049767
18186-15	SYTC	SYTC	Threonine--tRNA ligase, cytoplasmic	P26639	TARS1	6897	TRUE	0.13	0.1888	0.821	0.081619
18187-16	ACY2	ACY2	Aspartoacylase	P45381	ASPA	443	TRUE	0.13	0.1071	0.136	0.036439
18188-12	GATM	GATM	Glycine amidinotransferase, mitochondrial	P50440	GATM	2628	TRUE	0.1	0.2075	0.694	0.039266
18189-12	VPS25	VPS25	Vacuolar protein-sorting-associated protein 25	Q9BRG1	VPS25	84313	TRUE	0.21	0.1147	0.597	0.052603

18190-15	ICBR	ICBR	Caspase recruitment domain-containing protein 18	P57730	CARD18	59082	TRUE	0.17	0.2691	0.39	0.118836
18191-23	RANG	RANG	Ran-specific GTPase-activating protein	P43487	RANBP1	5902	TRUE	0.16	0.1212	0.485	0.042701
18192-69	MAGE-5	MAGE-5	Melanoma-associated antigen 5	P43359	MAGEA5	10053 3997	TRUE	0.29	0.267	0.269	0.116464
18194-18	FABP9	FABP9	Fatty acid-binding protein 9	Q0Z7S8	FABP9	64648 0	TRUE	0.22	0.1557	4.2	0.045296
18195-3	ORAV1	ORAV1	Oral cancer-overexpressed protein 1	Q8WV07	LTO1	22006 4	TRUE	0.33	0.2718	0.268	0.049506
18196-8	Afamin	Afamin	Afamin	P43652	AFM	173	TRUE	0.09	0.2945	0.162	0.0345
18197-97	KCRS	KCRS	Creatine kinase S-type, mitochondrial	P17540	CKMT2	1160	TRUE	0.1	0.1045	1.376	0.031499
18202-22	CD37	CD37	Leukocyte antigen CD37	P11049	CD37	951	TRUE	0.1	0.1742	0.117	0.059692
18203-9	CRGC	CRGC	Gamma-crystallin C	P07315	CRYGC	1420	TRUE	0.21	0.1782	0.369	0.07339
18204-1	TCEA1	TCEA1	Transcription elongation factor A protein 1	P23193	TCEA1	6917	TRUE	0.08	0.1295	0.381	0.087335
18205-123	MAGE-6	MAGE-6	Melanoma-associated antigen 6	P43360	MAGEA6	4105	TRUE	0.11	0.0915	0.115	0.040921
18206-18	ADH6	ADH6	Alcohol dehydrogenase 6	P28332	ADH6	130	TRUE	0.08	0.1109	0.714	0.066169
18207-6	CHM1B	CHM1B	Charged multivesicular body protein 1b	Q7LBR1	CHMP1B	57132	TRUE	0.06	0.1129	0.726	0.029556
18208-3	CCNB2	CCNB2	G2/mitotic-specific cyclin-B2	O95067	CCNB2	9133	TRUE	0.16	0.1214	0.135	0.035187
18210-12	SPIN1	SPIN1	Spindlin-1	Q9Y657	SPIN1	10927	TRUE	0.15	0.1787	0.287	0.036925
18212-43	GSTM5-5	GSTM5-5	Glutathione S-transferase Mu 5	P46439	GSTM5	2949	TRUE	0.2	0.5521	0.343	0.068958
18213-30	UBE2F	UBE2F	NEDD8-conjugating enzyme UBE2F	Q969M7	UBE2F	14073 9	TRUE	0.27	0.2356	0.626	0.059465
18214-2	GSH0	GSH0	Glutamate--cysteine ligase regulatory subunit	P48507	GCLM	2730	TRUE	0.07	0.4803	0.536	0.083239
18215-5	THG1	THG1	Probable tRNA(His) guanylyltransferase	Q9NWX6	THG1L	54974	TRUE	0.06	0.0929	0.281	0.072857
18216-22	IL-11 RA	IL-11 RA	Interleukin-11 receptor subunit alpha	Q14626	IL11RA	3590	TRUE	0.07	0.1073	0.257	0.035714
18218-48	CB032	CB032	CB1 cannabinoid receptor-interacting protein 1	Q96F85	CNRIP1	25927	TRUE	0.07	0.1688	0.268	0.05013
18222-34	SHLB2	SHLB2	Endophilin-B2	Q9NR46	SH3GLB 2	56904	TRUE	0.07	0.1101	0.507	0.063864
18224-11	CHM1A	CHM1A	Charged multivesicular body protein 1a	Q9HD42	CHMP1A	5119	TRUE	0.08	0.126	0.823	0.035289

18225-13	HEBP1	HEBP1	Heme-binding protein 1	Q9NRV9	HEBP1	50865	TRUE	0.09	0.1686	0.421	0.063991
18226-148	COX5A	COX5A	Cytochrome c oxidase subunit 5A, mitochondrial	P20674	COX5A	9377	TRUE	0.09	0.1217	0.917	0.064637
18231-147	PRND	PRND	Prion-like protein doppel	Q9UKY0	PRND	23627	TRUE	0.14	0.2286	0.134	0.052536
18232-42	PI42B	PI42B	Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	P78356	PIP4K2B	8396	TRUE	0.14	0.2127	0.75	0.035711
18233-10	GOT2	GOT2	Aspartate aminotransferase, mitochondrial	P00505	GOT2	2806	TRUE	0.08	0.1634	0.655	0.100312
18235-16	PGP	PGP	Glycerol-3-phosphate phosphatase	A6NDG6	PGP	28387 1	TRUE	0.19	0.2671	0.197	0.057121
18236-3	LEGL	LEGL	Galectin-related protein	Q3ZCW2	LGALSL	29094	TRUE	0.08	0.1918	0.858	0.054633
18237-29	NRIP3	NRIP3	Nuclear receptor-interacting protein 3	Q9NQ35	NRIP3	56675	TRUE	0.09	0.062	0.315	0.063829
18240-6	OMP	OMP	Olfactory marker protein	P47874	OMP	4975	TRUE	0.12	0.1608	0.105	0.069612
18241-18	HEM6	HEM6	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial	P36551	CPOX	1371	TRUE	0.1	0.1064	1.666	0.050554
18242-8	Sperm protein 17	Sperm protein 17	Sperm surface protein Sp17	Q15506	SPA17	53340	TRUE	0.11	0.1484	0.228	0.109781
18243-9	Cytidylate kinase	Cytidylate kinase	UMP-CMP kinase	P30085	CMPK1	51727	TRUE	0.11	0.111	0.235	0.020262
18244-1	ANXA7	ANXA7	Annexin A7	P20073	ANXA7	310	TRUE	0.08	0.2338	0.672	0.047944
18253-8	SSB	SSB	Single-stranded DNA-binding protein, mitochondrial	Q04837	SSBP1	6742	TRUE	0.1	0.0963	0.577	0.064193
18255-6	NB5R1	NB5R1	NADH-cytochrome b5 reductase 1	Q9UHQ9	CYB5R1	51706	TRUE	0.1	0.1127	0.16	0.046957
18257-64	SRP19	SRP19	Signal recognition particle 19 kDa protein	P09132	SRP19	6728	TRUE	0.16	0.2384	2.15	0.053022
18259-15	MEOX2	MEOX2	Homeobox protein MOX-2	P50222	MEOX2	4223	TRUE	0.13	0.219	4.05	0.06452
18264-12	CCD25	CCD25	Coiled-coil domain-containing protein 25	Q86WR0	CCDC25	55246	TRUE	0.08	0.1142	0.288	0.074778
18265-18	ZNF34	ZNF34	Zinc finger protein 34	Q8IZ26	ZNF34	80778	TRUE	0.07	0.2021	0.631	0.07818
18267-74	CAR17	CAR17	Caspase recruitment domain-containing protein 17	Q5XLA6	CARD17	44006 8	TRUE	0.07	0.2181	2.171	0.056544
18268-5	GAG2A	GAG2A	G antigen 2A	Q6NT46	GAGE2A	72944 7	TRUE	0.05	0.0887	0.29	0.03978
18270-10	TAF10	TAF10	Transcription initiation factor TFIID subunit 10	Q12962	TAF10	6881	TRUE	0.2	0.1173	0.216	0.031173

18271-43	OXSM	OXSM	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial	Q9NWU1	OXSM	54995	TRUE	0.09	0.1154	0.668	0.126934
18273-14	GGE2D	GGE2D	G antigen 2D	Q9UEU5	GAGE2D	1629	TRUE	0.07	0.1007	3.322	0.088355
18274-2	SERF2	SERF2	Small EDRK-rich factor 2	P84101	SERF2	10169	TRUE	0.09	0.1876	0.342	0.06126
18275-5	CRIP1	CRIP1	Cysteine-rich protein 1	P50238	CRIP1	1396	TRUE	0.06	0.1546	0.277	0.081528
18276-34	TCL1B	TCL1B	T-cell leukemia/lymphoma protein 1B	O95988	TCL1B	9623	TRUE	0.12	0.1129	0.231	0.031829
18277-28	TRIA1	TRIA1	TP53-regulated inhibitor of apoptosis 1	O43715	TRIAP1	51499	TRUE	0.16	0.1474	0.441	0.089776
18280-29	DTD2	DTD2	Putative D-tyrosyl-tRNA(Tyr) deacylase 2	Q96FN9	DTD2	7	TRUE	0.07	0.1626	0.472	0.054862
18282-1	GBG11	GBG11	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-11	P61952	GNG11	2791	TRUE	0.17	0.1726	0.24	0.049896
18284-77	WWC1	WWC1	Protein KIBRA	Q8IX03	WWC1	23286	TRUE	0.07	0.0724	2.646	0.049259
18285-6	SVIP	SVIP	Small VCP/p97-interacting protein	Q8NHG7	SVIP	0	TRUE	0.15	0.2403	0.435	0.114617
18286-3	ZWINT	ZWINT	ZW10 interactor	O95229	ZWINT	11130	TRUE	0.16	0.2292	0.159	0.051635
18289-16	MIP-5	MIP-5	C-C motif chemokine 15	Q16663	CCL15	6359	TRUE	0.11	0.1395	0.403	0.054982
18290-6	Annexin A8	Annexin A8	Annexin A8	P13928	ANXA8	5	TRUE	0.12	0.1317	0.223	0.078631
18291-8	p21	p21	Cyclin-dependent kinase inhibitor 1	P38936	CDKN1A	1026	TRUE	0.12	0.1215	0.148	0.051269
18295-102	GRHPR	GRHPR	Glyoxylate reductase/hydroxypyruvate reductase	Q9UBQ7	GRHPR	9380	TRUE	0.1	0.117	0.342	0.038083
18297-8	RASM	RASM	Ras-related protein M-Ras	O14807	MRAS	22808	TRUE	0.11	0.0755	0.986	0.037106
18299-13	CPNS1	CPNS1	Calpain small subunit 1	P04632	CAPNS1	826	TRUE	0.13	1.2397	0.464	0.031608
18300-39	PURB	PURB	Transcriptional activator protein Pur-beta	Q96QR8	PURB	5814	TRUE	0.11	0.0776	0.727	0.024737
18301-10	NAIF1	NAIF1	Nuclear apoptosis-inducing factor 1	Q69YI7	NAIF1	5	TRUE	0.12	1.0935	0.501	0.024868
18302-204	ZWILC	ZWILC	Protein zwilch homolog	Q9H900	ZWILCH	55055	TRUE	0.22	0.2875	0.213	0.027534
18303-39	NEUG	NEUG	Neurogranin	Q92686	NRGN	4900	TRUE	0.1	0.2794	0.537	0.124876
18304-19	BCCIP	BCCIP	BRCA2 and CDKN1A-interacting protein	Q9P287	BCCIP	56647	TRUE	0.12	0.1445	0.705	0.061239
18306-1	PALM	PALM	Paralemmin-1	O75781	PALM	5064	TRUE	0.19	0.1956	0.147	0.040752

18308-30	STXB6	STXB6	Syntaxin-binding protein 6	Q8NFX7	STXBP6	29091	TRUE	0.09	0.1282	1.413	0.099297
18309-18	CISY	CISY	Citrate synthase, mitochondrial	O75390	CS	1431	TRUE	0.15	0.1507	1.094	0.09297
18310-26	SELW	SELW	Selenoprotein W	P63302	SELENO W	6415	TRUE	0.09	0.2018	1.978	0.056243
18312-68	NDRG3	NDRG3	Protein NDRG3	Q9UGV2	NDRG3	57446	TRUE	0.08	0.1228	1.659	0.103475
18313-4	Asparaginase-like protein 1	Asparaginase-like protein 1	Isoaspartyl peptidase/L-asparaginase	Q7L266	ASRGL1	80150	TRUE	0.06	0.125	0.668	0.094482
18314-88	PAX-8	PAX-8	Paired box protein Pax-8	Q06710	PAX8	7849	TRUE	0.09	0.0542	0.391	0.067467
18315-38	RTP4	RTP4	Receptor-transporting protein 4	Q96DX8	RTP4	64108	TRUE	0.09	0.1187	1.234	0.0358
18316-75	3-Sep	3-Sep	Neuronal-specific septin-3	Q9UH03	SEPTIN3	55964	TRUE	0.08	0.1163	0.51	0.069779
18317-111	ZFAN5	ZFAN5	AN1-type zinc finger protein 5	O76080	ZFAND5	7763	TRUE	0.05	0.0813	0.243	0.09043
18318-98	SH3G3	SH3G3	Endophilin-A3	Q99963	SH3GL3	6457	TRUE	0.09	0.2734	1.053	0.112026
18319-7	ODPX	ODPX	Pyruvate dehydrogenase protein X component, mitochondrial	O00330	PDHX	8050	TRUE	0.06	0.0949	0.668	0.033764
18321-38	MTDC	MTDC	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial	P13995	MTHFD2	10797	TRUE	0.1	0.1344	1.076	0.027294
18322-15	JMJD6	JMJD6	Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6	Q6NYC1	JMJD6	23210	TRUE	0.15	0.8878	0.307	0.10871
18324-61	SUOX	SUOX	Sulfite oxidase, mitochondrial	P51687	SUOX	6821	TRUE	0.28	0.2641	0.881	0.056167
18326-50	MAGA8	MAGA8	Melanoma-associated antigen 8	P43361	MAGEA8	4107	TRUE	0.12	0.1712	1.952	0.086791
18327-6	SNX5	SNX5	Sorting nexin-5	Q9Y5X3	SNX5	27131	TRUE	0.19	0.1286	0.543	0.030761
18328-36	P5CR2	P5CR2	Pyrroline-5-carboxylate reductase 2	Q96C36	PYCR2	29920	TRUE	0.17	0.1217	0.156	0.052823
18329-4	PRPS2	PRPS2	Ribose-phosphate pyrophosphokinase 2	P11908	PRPS2	5634	TRUE	0.05	0.2047	0.367	0.061546
18330-7	PGM2	PGM2	Phosphoglucomutase-2	Q96G03	PGM2	55276	TRUE	0.11	0.1656	2.256	0.054684
18331-3	GLCM	GLCM	Glucosylceramidase	P04062	GBA	2629	TRUE	0.1	0.217	0.207	0.062331

18336-31	CDA	CDA	Cytidine deaminase	P32320	CDA	978	TRUE	0.05	0.1341	0.299	0.04259
18337-4	GMDS	GMDS	GDP-mannose 4,6 dehydratase	O60547	GMDS	2762	TRUE	0.07	0.1127	7.416	0.107454
18338-26	IDH	IDH	Isocitrate dehydrogenase [NADP] cytoplasmic	O75874	IDH1	3417	TRUE	0.87	0.8275	0.635	0.055643
18339-207	PSB3	PSB3	Proteasome subunit beta type-3	P49720	PSMB3	5691	TRUE	0.13	0.1852	0.169	0.045078
	Proteasome beta chain	Proteasome beta chain									
18340-2			Proteasome subunit beta type-4	P28070	PSMB4	5692	TRUE	0.15	0.1276	3.285	0.149663
18342-2	SERC	SERC	Phosphoserine aminotransferase	Q9Y617	PSAT1	29968	TRUE	0.12	0.0933	0.931	0.075568
18343-10	DECR2	DECR2	Peroxisomal 2,4-dienoyl-CoA reductase	Q9NUI1	DECR2	26063	TRUE	0.08	0.1093	0.695	0.122676
				P11047	LAMC1	3915					
18347-15	Laminin-2	Laminin-2	Laminin-2	P07942	LAMB1	3912	TRUE	0.08	0.206	0.21	0.026709
				P24043	LAMA2	3908					
18348-89	HNRPD	HNRPD	Heterogeneous nuclear ribonucleoprotein D0	Q14103	HNRNP	3184	TRUE	0.29	0.3188	0.426	0.063079
18373-13	Radixin	Radixin	Radixin	P35241	RDX	5962	TRUE	0.06	1.66	0.587	0.038784
18375-28	IL-1F5	IL-1F5	Interleukin-36 receptor antagonist protein	Q9UBH0	IL36RN	26525	TRUE	0.32	0.1961	0.331	0.11171
	Myosin light chain 1	Myosin light chain 1									
18376-19			Myosin light chain 3	P08590	MYL3	4634	TRUE	0.06	0.1072	1.354	0.083999
18380-78	Albumin	Albumin	Serum albumin	P02768	ALB	213	TRUE	0.07	0.2045	0.151	0.013276
18381-16	ALDH-E2	ALDH-E2	Aldehyde dehydrogenase, mitochondrial	P05091	ALDH2	217	TRUE	0.12	0.1734	1.771	0.043455
	Catechol O-methyltransferase	Catechol O-methyltransferase									
18382-109			Catechol O-methyltransferase	P21964	COMT	1312	TRUE	0.09	0.2195	0.133	0.059314
18383-9	FKBP3	FKBP3	Peptidyl-prolyl cis-trans isomerase FKBP3	Q00688	FKBP3	2287	TRUE	0.09	0.1883	0.93	0.045504
			26S proteasome non-ATPase regulatory subunit 10								
18385-4	PSD10	PSD10		O75832	PSMD10	5716	TRUE	0.14	0.1453	0.081	0.089365
18386-36	GLRX1	GLRX1	Glutaredoxin-1	P35754	GLRX	2745	TRUE	0.07	0.0746	0.123	0.019726

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18387-	tumorigenicity	tumorigenicity	13	Hsc70-interacting protein	P50502	ST13	6767	TRUE	0.12	0.3484	0.273	0.043806
18389-11	IFNA1	IFNA1	13	Interferon alpha-1/13 Methionine	P01562	IFNA1	3439	TRUE	0.08	0.1597	0.327	0.082873
18392-19	MAT2B	MAT2B		adenosyltransferase 2 subunit beta	Q9NZL9	MAT2B	27430	TRUE	0.08	0.1861	0.14	0.047531
18397-5	AK1C4	AK1C4		Aldo-keto reductase family 1 member C4	P17516	AKR1C4	1109	TRUE	0.11	0.2367	0.954	0.054178
18399-1	AKA7A	AKA7A		A-kinase anchor protein 7 isoforms alpha and beta	O43687	AKAP7	9465	TRUE	0.17	0.1769	0.225	0.054768
18400-52	ALKB2	ALKB2		DNA oxidative demethylase ALKBH2	Q6NS38	ALKBH2	2	TRUE	0.14	0.1393	1.04	0.032574
18401-18	ALKB3	ALKB3		Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3	Q96Q83	ALKBH3	0	TRUE	0.14	0.2048	6.656	0.078751
18403-25	AMPD2	AMPD2		AMP deaminase 2	Q01433	AMPD2	271	TRUE	0.33	0.2209	1.076	0.066629
18405-117	AP1S2	AP1S2		AP-1 complex subunit sigma-2	P56377	AP1S2	8905	TRUE	0.17	0.2674	0.69	0.071065
18407-36	AR2BP	AR2BP		ADP-ribosylation factor-like protein 2-binding protein	Q9Y2Y0	ARL2BP	23568	TRUE	0.13	0.1721	0.947	0.072082
18408-26	ARF4	ARF4		ADP-ribosylation factor 4	P18085	ARF4	378	TRUE	0.11	0.1131	0.741	0.047443
18409-61	ARF5	ARF5		ADP-ribosylation factor 5	P84085	ARF5	381	TRUE	0.14	0.2472	0.765	0.021317
18411-83	ARL15	ARL15		ADP-ribosylation factor-like protein 15	Q9NXU5	ARL15	54622	TRUE	0.21	0.3536	0.329	0.047476
18413-24	ARL4D	ARL4D		ADP-ribosylation factor-like protein 4D	P49703	ARL4D	379	TRUE	0.12	0.1449	0.34	0.079448
18414-26	ARL5A	ARL5A		ADP-ribosylation factor-like protein 5A	Q9Y689	ARL5A	26225	TRUE	0.11	0.1389	0.165	0.08198
18415-16	ARL6	ARL6		ADP-ribosylation factor-like protein 6	Q9H0F7	ARL6	84100	TRUE	0.22	0.3372	0.25	0.081237
18417-3	AS3MT	AS3MT		Arsenite methyltransferase	Q9HBK9	AS3MT	57412	TRUE	0.13	0.1533	0.27	0.037367
18419-20	p16-ARC	p16-ARC		Actin-related protein 2/3 complex subunit 5	O15511	ARPC5	10092	TRUE	0.38	0.3513	2.521	0.059245
18422-41	ERG19	ERG19		Diphosphomevalonate decarboxylase	P53602	MVD	4597	TRUE	0.17	0.2232	1.627	0.061679
18434-141	TBPL1	TBPL1		TATA box-binding protein-like protein 1	P62380	TBPL1	9519	TRUE	0.13	0.1709	0.362	0.071391
18449-33	PPIG	PPIG		Peptidyl-prolyl cis-trans isomerase G	Q13427	PPIG	9360	TRUE	0.22	0.1297	0.352	0.050493

18458-4	PGES2	PGES2	Prostaglandin E synthase 2	Q9H7Z7	PTGES2	80142	TRUE	0.06	0.1347	0.45	0.067098
18483-36	MSS4	MSS4	Guanine nucleotide exchange factor MSS4	P47224	RABIF	5877	TRUE	0.12	0.1819	1.59	0.050598
18813-15	DD19A	DD19A	ATP-dependent RNA helicase DDX19A	Q9NUU7	DDX19A	55308	TRUE	0.07	0.1522	0.622	0.04747
18814-21	Activin AC	Activin AC	Inhibin beta A chain:Inhibin beta C chain heterodimer	P55103 P08476	INHBC NHBA	3626 3624	TRUE	0.21	0.0991	0.515	0.063941
18817-50	CBX1	CBX1	Chromobox protein homolog 1	P83916	CBX1	10951	TRUE	0.13	0.2635	0.519	0.056358
18819-21	PPIC	PPIC	Peptidyl-prolyl cis-trans isomerase C	P45877	PPIC	5480	TRUE	0.09	0.3591	0.174	0.096972
18821-9	C4a	C4a	C4a anaphylatoxin	POCOL5 POCOL4		3534 720	TRUE	0.22	0.1781	0.378	0.087075
18823-52	H2B3B	H2B3B	Histone H2B type 3-B	Q8N257	H2BU1	2	TRUE	0.26	0.256	1.718	0.072955
18824-7	IF4A2	IF4A2	Eukaryotic initiation factor 4A-II	Q14240	EIF4A2	1974	TRUE	0.32	0.2536	0.561	0.055863
18829-4	IF4A1	IF4A1	Eukaryotic initiation factor 4A-I	P60842	EIF4A1	1973	TRUE	0.25	0.2182	0.644	0.033506
18830-1	Omentin	Omentin	Intelectin-1	Q8WWA0	ITLN1	55600	TRUE	0.1	0.1606	0.203	0.072882
18831-6	LRIG1	LRIG1	Leucine-rich repeats and immunoglobulin-like domains protein 1	Q96JA1	LRIG1	26018	TRUE	0.08	0.0844	0.218	0.074879
18832-65	SAA2	SAA2	Serum amyloid A-2 protein	P0DJ19	SAA2	6289	TRUE	0.09	0.0988	1.24	0.044625
18837-9	SGTB	SGTB	Small glutamine-rich tetratricopeptide repeat-containing protein beta	Q96EQ0	SGTB	54557	TRUE	0.18	0.2076	0.171	0.053351
18839-24	Thyroglobulin	Thyroglobulin	Thyroglobulin	P01266	TG	7038	TRUE	0.54	0.1302	0.991	0.043812
18840-205	SH21B	SH21B	SH2 domain-containing protein 1B	O14796	SH2D1B	7	TRUE	0.15	0.1862	0.305	0.086295
18841-1	SPB13	SPB13	Serpin B13	Q9UIV8	SERPINB13	5275	TRUE	0.08	0.0967	0.326	0.074312
18859-7	4EBP3	4EBP3	Eukaryotic translation initiation factor 4E-binding protein 3	O60516	EIF4EBP3	8637	TRUE	0.11	0.0885	0.735	0.041055
18860-2	CaMKK alpha	CaMKK alpha	Calcium/calmodulin-dependent protein kinase kinase 1	Q8N5S9	CAMKK1	84254	TRUE	0.07	0.0752	0.348	0.048117
18864-7	TRY3	TRY3	Trypsin-3	P35030	PRSS3	5646	TRUE	0.08	0.1106	0.538	0.074227
18866-8	CANB2	CANB2	Calcineurin subunit B type 2	Q96LZ3	PPP3R2	5535	TRUE	0.22	0.211	0.23	0.128099
18868-7	CBX3	CBX3	Chromobox protein homolog 3	Q13185	CBX3	11335	TRUE	0.07	0.1884	1.11	0.063351

18870-1	CD3E	CD3E	T-cell surface glycoprotein CD3 epsilon chain	P07766	CD3E	916	TRUE	0.17	0.0905	0.188	0.093691
18871-24	AIF1L	AIF1L	Allograft inflammatory factor 1-like	Q9BQI0	AIF1L	83543	TRUE	0.08	0.0665	0.163	0.022635
18873-8	CEAM8	CEAM8	Carcinoembryonic antigen-related cell adhesion molecule 8	P31997	CEACAM8	1088	TRUE	0.09	0.1159	0.348	0.073442
18875-125	Chondrocalcin	Chondrocalcin	Chondrocalcin	P02458	COL2A1	1280	TRUE	0.08	0.1523	0.676	0.052605
18876-77	CHST4	CHST4	Carbohydrate sulfotransferase 4	Q8NCG5	CHST4	10164	TRUE	0.13	0.1061	0.18	0.06322
18878-15	GREM1	GREM1	Gremlin-1	O60565	GREM1	26585	TRUE	0.06	0.0841	3.333	0.056741
18880-81	Collagen Type III	Collagen Type III	Collagen Type III	P02461	COL3A1	1281	TRUE	0.12	0.0969	0.203	0.032413
18881-7	CD97	CD97	CD97 antigen	P48960	ADGRE5	976	TRUE	0.1	0.1322	0.227	0.073516
18882-7	CSTN2	CSTN2	Calsyntenin-2	Q9H4D0	CLSTN2	64084	TRUE	0.09	0.0941	0.243	0.041787
18883-4	DEST	DEST	Destrin	P60981	DSTN	11034	TRUE	0.14	0.139	0.454	0.0782
18884-22	DNJB4	DNJB4	DnaJ homolog subfamily B member 4	Q9UDY4	DNAJB4	11080	TRUE	0.09	0.2202	0.442	0.093098
18886-28	DSCL1	DSCL1	Down syndrome cell adhesion molecule-like protein 1	Q8TD84	DSCAML1	57453	TRUE	0.06	0.0658	0.32	0.058679
18887-7	ENTP2	ENTP2	Ectonucleoside triphosphate diphosphohydrolase 2	Q9Y5L3	ENTPD2	954	TRUE	0.1	0.1441	5.888	0.04084
18890-227	Fibrinogen B	Fibrinogen B	Fibrinogen beta chain	P02675	FGB	2244	TRUE	0.22	0.244	0.214	0.078116
18891-98	GBP2	GBP2	Guanylate-binding protein 2	P32456	GBP2	2634	TRUE	0.19	0.152	0.245	0.0702
18892-48	GPC4	GPC4	Glypican-4	O75487	GPC4	2239	TRUE	0.11	0.1587	0.567	0.042869
18893-26	GPR56	GPR56	Adhesion G-protein coupled receptor G1	Q9Y653	ADGRG1	9289	TRUE	0.12	0.2243	1.734	0.073119
18894-1	GPX2	GPX2	Glutathione peroxidase 2	P18283	GPX2	2877	TRUE	0.07	0.1342	4.083	0.090562
18895-54	GSTM4	GSTM4	Glutathione S-transferase Mu 4	Q03013	GSTM4	2948	TRUE	0.1	0.1114	1.061	0.072156
18896-23	H6ST3	H6ST3	Heparan-sulfate 6-O-sulfotransferase 3	Q8IZP7	HS6ST3	26672	TRUE	0.06	0.1627	0.207	0.077639
18897-31	HDAC2	HDAC2	Histone deacetylase 2	Q92769	HDAC2	3066	TRUE	0.08	0.0744	0.564	0.109946
18898-36	HDGL1	HDGL1	Hepatoma-derived growth factor-like protein 1	Q5TGJ6	HDGFL1	15415	TRUE	0.12	0.2173	0.148	0.089464
18900-37	H-ras (WT)	H-ras (WT)	GTPase HRas	P01112	HRAS	0	TRUE	0.11	0.3908	0.135	0.095734

18901-26	HS71B	HS71B	Heat shock 70 kDa protein 1B	P0DMV9	HSPA1B	3303	TRUE	0.12	0.1965	0.329	0.041453
18904-23	KCC4	KCC4	Calcium/calmodulin-dependent protein kinase type IV	Q16566	CAMK4	814	TRUE	0.1	0.1328	1.194	0.085472
18907-97	KI3L1	KI3L1	Killer cell immunoglobulin-like receptor 3DL1	P43629	KIR3DL1	3811	TRUE	0.13	0.1962	0.26	0.067512
18909-11	EXOS8	EXOS8	Exosome complex component RRP43	Q96B26	EXOSC8	11340	TRUE	0.1	0.1277	0.227	0.083255
18910-45	LIN7A	LIN7A	Protein lin-7 homolog A	O14910	LIN7A	8825	TRUE	0.09	0.0841	0.783	0.100798
18914-188	PAFA2	PAFA2	Platelet-activating factor acetylhydrolase 2, cytoplasmic	Q99487	PAFAH2	5051	TRUE	0.08	0.0682	0.412	0.046443
18916-25	Inosine triphosphatase	Inosine triphosphatase	Inosine triphosphate pyrophosphatase	Q9BY32	ITPA	3704	TRUE	0.11	0.2094	0.407	0.077021
18917-53	Pancreatic alpha-amylase	Pancreatic alpha-amylase	Pancreatic alpha-amylase	P04746	AMY2A	279	TRUE	0.09	0.8141	0.38	0.076409
18921-30	PHEX	PHEX	Phosphate-regulating neutral endopeptidase	P78562	PHEX	5251	TRUE	0.06	0.1483	0.272	0.079316
18922-27	CD68	CD68	Macrosialin	P34810	CD68	968	TRUE	0.12	0.0702	0.328	0.063404
18925-24	Proteasome subunit alpha type 5	Proteasome subunit alpha type 5	Proteasome subunit alpha type-5	P28066	PSMA5	5686	TRUE	0.27	0.3948	0.213	0.05296
18927-14	RET1G	RET1G	Retinoic acid early transcript 1G protein	Q6H3X3	RAET1G	35309 1	TRUE	0.23	0.1833	0.209	0.05963
18930-28	SLIT2	SLIT2	Slit homolog 2 protein	O94813	SLIT2	9353	TRUE	0.09	0.1494	0.503	0.065484
18931-40	SLIT3	SLIT3	Slit homolog 3 protein	O75094	SLIT3	6586	TRUE	0.12	0.2898	0.777	0.263037
18932-84	NMNA1	NMNA1	Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1	Q9HAN9	NMNAT1	64802	TRUE	0.09	0.1114	0.729	0.078018
18933-4	TGM4	TGM4	Protein-glutamine gamma-glutamyltransferase 4	P49221	TGM4	7047	TRUE	0.05	0.0678	2.819	0.063025
18934-50	Tissue transglutaminase	Tissue transglutaminase	Protein-glutamine gamma-glutamyltransferase 2	P21980	TGM2	7052	TRUE	0.19	0.2717	0.344	0.089387
18935-14	TLR5	TLR5	Toll-like receptor 5	O60602	TLR5	7100	TRUE	0.06	0.082	0.667	0.04276

18942-11	PSB9	PSB9	Proteasome subunit beta type-9	P28065	PSMB9	5698	TRUE	0.13	0.1899	0.337	0.055979
18943-4	PTGR2	PTGR2	Prostaglandin reductase 2	Q8N8N7	PTGR2	2	TRUE	0.17	0.204	0.439	0.060394
18945-11	RGS1	RGS1	Regulator of G-protein signaling 1	Q08116	RGS1	5996	TRUE	0.1	0.0633	0.245	0.049036
18947-3	LRC3B	LRC3B	Leucine-rich repeat-containing protein 3B	Q96PB8	LRRC3B	5	TRUE	0.12	0.1838	0.372	0.035128
19110-6	MEMO1	MEMO1	Protein MEMO1	Q9Y316	MEMO1	51072	TRUE	0.32	0.2005	0.656	0.115075
19111-10	UBC12	UBC12	NEDD8-conjugating enzyme Ubc12	P61081	UBE2M	9040	TRUE	0.21	0.2385	0.529	0.046614
19112-2	TCAL3	TCAL3	Transcription elongation factor A protein-like 3	Q969E4	TCEAL3	85012	TRUE	0.19	0.2572	1.241	0.090605
19113-66	SH3L2	SH3L2	SH3 domain-binding glutamic acid-rich-like protein 2	Q9UJC5	SH3BGR L2	83699	TRUE	0.11	0.9362	1.104	0.036965
19114-8	KITM	KITM	Thymidine kinase 2, mitochondrial	O00142	TK2	7084	TRUE	0.21	0.1021	2.198	0.088062
19116-1	MUTED	MUTED	Biogenesis of lysosome-related organelles complex 1 subunit 5	Q8TDH9	BLOC1S5	63915	TRUE	0.16	0.0863	0.145	0.020468
19118-47	OSTF1	OSTF1	Osteoclast-stimulating factor 1	Q92882	OSTF1	26578	TRUE	0.31	0.1242	0.696	0.062266
19120-33	OXDA	OXDA	D-amino-acid oxidase	P14920	DAO	1610	TRUE	0.05	0.1089	0.298	0.062677
19121-3	UBQL2	UBQL2	Ubiquilin-2	Q9UHD9	UBQLN2	29978	TRUE	0.08	0.1017	0.525	0.037092
19123-6	IKBD	IKBD	NF-kappa-B inhibitor delta	Q8NI38	NFKBID	84807	TRUE	0.23	0.2134	0.128	0.089352
19124-9	UBCP1	UBCP1	Ubiquitin-like domain-containing CTD phosphatase 1	Q8WVY7	UBLCP1	13451	TRUE	0.07	0.1454	0.45	0.059127
19125-26	KAP2	KAP2	cAMP-dependent protein kinase type II-alpha regulatory subunit	P13861	PRKAR2 A	5576	TRUE	0.12	0.0956	0.466	0.067072
19126-4	C20orf77	C20orf77	Regulation of nuclear pre-mRNA domain-containing protein 1B	Q9NQG5	RPRD1B	58490	TRUE	0.12	0.0832	0.135	0.02058
19127-1	HSPB6	HSPB6	Heat shock protein beta-6	O14558	HSPB6	12639	TRUE	0.07	0.1357	0.469	0.021139
19129-15	MTHFSD	MTHFSD	Methenyltetrahydrofolate synthase domain-containing protein	Q2M296	MTHFSD	64779	TRUE	0.07	0.1237	0.499	0.08756
19130-81	SPB8	SPB8	Serpin B8	P50452	SERPINB 8	5271	TRUE	0.06	0.1578	0.247	0.06935
19131-184	TIAR	TIAR	Nucleolysin TIAR	Q01085	TIAL1	7073	TRUE	0.06	0.1138	1.452	0.086113

19132-1	RM02	RM02	39S ribosomal protein L2, mitochondrial DNA-directed RNA polymerases I, II, and III subunit RPABC4	Q5T653	MRPL2	51069	TRUE	0.11	0.1397	0.22	0.089205
19134-66	RPAB4	RPAB4	Cytosolic 5'-nucleotidase III-like protein	P53803	POLR2K	5440	TRUE	0.09	0.2025	1.394	0.049932
19135-5	ase III-like protein	ase III-like protein	7-methylguanosine phosphate-specific 5'-nucleotidase	Q969T7	NT5C3B	11502 4	TRUE	0.12	0.2351	0.796	0.041369
19136-22	MMSA	MMSA	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	Q02252	ALDH6A	1 4329	TRUE	0.11	0.17	0.744	0.084714
19139-3	HSF2B	HSF2B	Heat shock factor 2-binding protein	O75031	HSF2BP	11077	TRUE	0.19	0.1439	3.856	0.128413
19141-22	DAP1	DAP1	Death-associated protein 1	P51397	DAP	1611	TRUE	0.14	0.2241	1.234	0.102691
19143-38	NB5R2	NB5R2	NADH-cytochrome b5 reductase 2	Q6BCY4	CYB5R2	51700	TRUE	0.12	0.087	0.488	0.083356
19144-9	ITF2	ITF2	Transcription factor 4	P15884	TCF4	6925	TRUE	0.12	0.0958	0.621	0.064912
19145-4	MREG	MREG	Melanoregulin Mitochondrial import inner membrane translocase subunit Tim8A	Q8N565	MREG	55686	TRUE	0.08	0.1368	0.191	0.057132
19148-58	TIM8A	TIM8A	A	O60220	TIMM8A	1678	TRUE	0.09	0.3992	0.532	0.02651
19150-20	KPRB	KPRB	Phosphoribosyl pyrophosphate synthase-associated protein 2	O60256	PRPSAP2	5636	TRUE	0.06	0.1029	0.548	0.059796
19152-4	IPP2	IPP2	Protein phosphatase inhibitor 2	P41236	PPP1R2	5504	TRUE	0.09	3.2748	0.564	0.052949
19154-41	Protease nexin I	Protease nexin I	Glia-derived nexin	P07093	SERPINE	2 5270	TRUE	0.13	0.2215	0.685	0.057398
19158-1	PAF	PAF	PCNA-associated factor	Q15004	PCLAF	9768	TRUE	0.14	0.3229	0.396	0.145011
19161-1	UBP15	UBP15	Ubiquitin carboxyl-terminal hydrolase 15	Q9Y4E8	USP15	9958	TRUE	0.05	0.1248	0.417	0.056826
19163-26	LRC59	LRC59	Leucine-rich repeat-containing protein 59	Q96AG4	LRRC59	55379	TRUE	0.16	0.2149	1.109	0.039189
19166-15	RS19	RS19	40S ribosomal protein S19	P39019	RPS19	6223	TRUE	0.1	0.1551	0.35	0.073757
19168-71	PPIP1	PPIP1	Proline-serine-threonine phosphatase-interacting protein 1	O43586	PSTPIP1	9051	TRUE	0.12	0.1403	0.396	0.064245
19170-25	DPOE3	DPOE3	DNA polymerase epsilon subunit 3	Q9NRF9	POLE3	54107	TRUE	0.13	0.1075	0.124	0.095306

19173-5	ZFAN1	ZFAN1	AN1-type zinc finger protein 1	Q8TCF1	ZFAND1	79752	TRUE	0.1	0.3402	0.892	0.06629
19175-18	MARCKSL1	MARCKSL1	MARCKS-related protein	P49006	L1	65108	TRUE	0.07	0.1736	0.176	0.095763
19176-27	FA49B	FA49B	Protein FAM49B	Q9NUQ9	CYRIB	51571	TRUE	0.09	0.1425	0.343	0.060903
19177-7	MOL1A	MOL1A	MOB kinase activator 1B	Q7L9L4	MOB1B	92597	TRUE	0.06	0.1127	0.991	0.134578
19183-164	RL12	RL12	60S ribosomal protein L12	P30050	RPL12	6136	TRUE	0.06	0.8418	0.401	0.060872
19187-21	STABP	STABP	STAM-binding protein nucleosome assembly	O95630	STAMBP	10617	TRUE	0.05	0.0619	0.389	0.032926
19188-21	NAP2L	NAP2L	protein 1-like 4	Q99733	NAP1L4	4676	TRUE	0.06	0.2356	1.019	0.098601
19189-2	UBP14	UBP14	Ubiquitin carboxyl-terminal hydrolase 14	P54578	USP14	9097	TRUE	0.1	0.1949	0.464	0.074793
19190-4	UB2L6	UB2L6	Ubiquitin/ISG15-conjugating enzyme E2 L6	O14933	UBE2L6	9246	TRUE	0.23	0.3102	0.134	0.101324
19193-18	PFD3	PFD3	Prefoldin subunit 3	P61758	VBP1	7411	TRUE	0.1	0.1225	0.169	0.044831
19194-9	Histidyl-tRNA synthetase-related	Histidyl-tRNA synthetase-related	D-tyrosyl-tRNA(Tyr) deacylase 1	Q8TEA8	DTD1	92675	TRUE	0.1	0.2997	0.907	0.024222
19195-85	RS5	RS5	40S ribosomal protein S5	P46782	RPS5	6193	TRUE	0.07	0.1128	0.294	0.043428
19196-73	HOP	HOP	Homeodomain-only protein	Q9BPY8	HOPX	84525	TRUE	0.09	0.1753	0.383	0.036009
19197-95	THIL	THIL	Acetyl-CoA acetyltransferase, mitochondrial	P24752	ACAT1	38	TRUE	0.24	0.178	0.787	0.066964
19199-3	RPB11	RPB11	DNA-directed RNA polymerase II subunit RPB11-a	P52435	POLR2J	5439	TRUE	0.09	0.128	0.148	0.108363
19202-10	BTK	BTK	Tyrosine-protein kinase BTK	Q06187	BTK	695	TRUE	0.06	0.2279	1.067	0.02555
19206-20	8ODP	8ODP	7,8-dihydro-8-oxoguanine triphosphatase	P36639	NUDT1	4521	TRUE	0.16	0.3055	0.358	0.070104
19207-119	ADK	ADK	Adenosine kinase	P55263	ADK	132	TRUE	0.18	0.2444	0.245	0.080782
19208-8	Activin RIIA	Activin RIIA	Activin receptor type-2A	P27037	ACVR2A	92	TRUE	0.17	0.2599	0.26	0.049735
19209-6	IKB-alpha	IKB-alpha	NF-kappa-B inhibitor alpha	P25963	NFKBIA	4792	TRUE	0.13	0.1771	0.289	0.057001
19213-1	ISK4	ISK4	Serine protease inhibitor Kazal-type 4	O60575	SPINK4	27290	TRUE	0.14	0.2056	0.165	0.078394
19215-7	NDRG1	NDRG1	Protein NDRG1	Q92597	NDRG1	10397	TRUE	0.16	0.1577	0.309	0.075956

19222-124	RAB5B	RAB5B	Ras-related protein Rab-5B	P61020	RAB5B	5869	TRUE	0.07	0.1399	0.777	0.04403
19224-5	IF1AY	IF1AY	Eukaryotic translation initiation factor 1A, Y-chromosomal	O14602	EIF1AY	9086	TRUE	0.12	0.1664	0.836	0.0932
19228-11	BAG-2	BAG-2	BAG family molecular chaperone regulator 2	O95816	BAG2	9532	TRUE	0.14	0.2576	0.282	0.089116
19229-92	HOME1	HOME1	Homer protein homolog 1	Q86YM7	HOMER1	9456	TRUE	0.11	0.1449	1.115	0.086071
19231-22	PRL-3	PRL-3	Protein tyrosine phosphatase type IVA 3	O75365	PTP4A3	11156	TRUE	0.09	0.1511	1.389	0.059196
19233-75	ATOX1	ATOX1	Copper transport protein ATOX1	O00244	ATOX1	475	TRUE	0.1	0.1143	0.279	0.053557
19237-17	D-dopachrome decarboxylase	D-dopachrome decarboxylase	D-dopachrome decarboxylase	P30046	DDT	1652	TRUE	0.11	0.3003	0.273	0.141833
19238-12	GLNA	GLNA	Glutamine synthetase	P15104	GLUL	2752	TRUE	0.05	0.1051	0.323	0.120371
19239-5	ARF1	ARF1	ADP-ribosylation factor 1	P84077	ARF1	375	TRUE	0.1	0.1922	0.812	0.07343
19240-265	HAP28	HAP28	28 kDa heat- and acid-stable phosphoprotein	Q13442	PDAP1	11333	TRUE	0.13	0.1226	0.863	0.052221
19241-31	RBP-III	RBP-III	Retinol-binding protein 5	P82980	RBP5	83758	TRUE	0.08	0.2706	0.364	0.068918
19243-2	PFD2	PFD2	Prefoldin subunit 2	Q9UHV9	PFDN2	5202	TRUE	0.12	0.1558	0.299	0.062111
19247-1	UB2D1	UB2D1	Ubiquitin-conjugating enzyme E2 D1	P51668	UBE2D1	7321	TRUE	0.19	0.2634	0.2	0.057815
19249-18	SYK	SYK	Lysine--tRNA ligase	Q15046	KARS1	3735	TRUE	0.12	0.1446	0.86	0.060096
19250-50	MYCBP	MYCBP	C-Myc-binding protein	Q99417	MYCBP	26292	TRUE	0.13	0.1303	1.024	0.041868
19251-56	Platelet proteoglycan	Platelet proteoglycan	Serglycin	P10124	SRGN	5552	TRUE	0.06	0.0975	0.516	0.023536
19252-67	PSB2	PSB2	Proteasome subunit beta type-2	P49721	PSMB2	5690	TRUE	0.11	0.188	1.231	0.040923
19258-24	GCDH	GCDH	Glutaryl-CoA dehydrogenase, mitochondrial	Q92947	GCDH	2639	TRUE	0.07	0.0955	0.495	0.08361
19259-176	IF2A	IF2A	Eukaryotic translation initiation factor 2 subunit 1	P05198	EIF2S1	1965	TRUE	0.1	0.1525	0.871	0.063518
19261-12	SDCB2	SDCB2	Syntenin-2	Q9H190	SDCBP2	27111	TRUE	0.08	1.7571	0.327	0.053781

19262-219	ACADV	ACADV	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	P49748	ACADVL	37	TRUE	0.12	0.1373	1.081	0.048021
19263-147	IF4E	IF4E	Eukaryotic translation initiation factor 4E	P06730	EIF4E	1977	TRUE	0.25	0.3525	0.657	0.039001
19264-6	RFA2	RFA2	Replication protein A 32 kDa subunit	P15927	RPA2	6118	TRUE	0.09	0.1937	0.89	0.045037
19265-9	TCPA	TCPA	T-complex protein 1 subunit alpha	P17987	TCP1	6950	TRUE	0.09	0.1617	1.314	0.029952
19266-35	G3BP1	G3BP1	Ras GTPase-activating protein-binding protein 1	Q13283	G3BP1	10146	TRUE	0.08	0.2067	0.673	0.109505
19271-64	GNAI1	GNAI1	Guanine nucleotide-binding protein G(i) subunit alpha-1	P63096	GNAI1	2770	TRUE	0.13	0.227	0.633	0.042326
19272-9	PEF1	PEF1	Peflin	Q9UBV8	PEF1	55311	TRUE	0.09	0.7964	0.221	0.060002
19273-3	Glutathione reductase	Glutathione reductase	Glutathione reductase, mitochondrial	P00390	GSR	2936	TRUE	0.08	0.1284	0.178	0.059583
19275-68	IDH3G	IDH3G	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial	P51553	IDH3G	3421	TRUE	0.15	0.242	1.826	0.076637
19277-4	KAT	KAT	Thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 1	Q8NFU3	TSTD1	10013	TRUE	0.11	0.1111	0.593	0.038732
19278-19	RAB1B	RAB1B	Ras-related protein Rab-1B	Q9H0U4	RAB1B	1187	TRUE	0.23	1.5739	1.065	0.106644
19279-42	CRBP	CRBP	Retinol-binding protein 1	P09455	RBP1	81876	TRUE	0.19	0.3011	0.176	0.065318
19280-29	UB2D3	UB2D3	Ubiquitin-conjugating enzyme E2 D3	P61077	UBE2D3	7323	TRUE	0.2	0.4044	0.978	0.049647
19281-86	MAFG	MAFG	Transcription factor MafG	O15525	MAFG	4097	TRUE	0.08	0.2385	0.332	0.031282
19282-3	RAB13	RAB13	Ras-related protein Rab-13	P51153	RAB13	5872	TRUE	0.06	0.1332	0.412	0.047734
19286-30	MLR5	MLR5	Myosin light chain 5	Q02045	MYL5	4636	TRUE	0.08	0.14	0.226	0.052959
19289-29	DCUP	DCUP	Uroporphyrinogen decarboxylase	P06132	UROD	7389	TRUE	0.29	0.3745	0.333	0.058384
19290-5	HPRT	HPRT	Hypoxanthine-guanine phosphoribosyltransferase	P00492	HPRT1	3251	TRUE	0.11	0.3238	0.206	0.064549
19293-6	VP26A	VP26A	Vacuolar protein sorting-associated protein 26A	O75436	VPS26A	9559	TRUE	0.08	0.1479	0.724	0.047538
19294-26	CRIPT	CRIPT	Cysteine-rich PDZ-binding protein	Q9P021	CRIPT	9419	TRUE	0.14	0.2245	0.155	0.058482

19295-32	PP1G	PP1G	Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	P36873	PPP1CC	5501	TRUE	0.17	0.1928	0.968	0.057255
19296-51	MLRA	MLRA	Myosin regulatory light chain 2, atrial isoform	Q01449	MYL7	58498	TRUE	0.11	0.1625	0.225	0.048177
19297-4	G6PD	G6PD	Glucose-6-phosphate 1-dehydrogenase	P11413	G6PD	2539	TRUE	0.06	0.3085	0.973	0.066661
19303-64	PT117	PT117	Protein PET117 homolog, mitochondrial	Q6UWS5	PET117	3755	TRUE	0.17	0.2316	0.172	0.050105
19310-81	COPE	COPE	Coatomer subunit epsilon	O14579	COPE	11316	TRUE	0.14	0.9486	0.537	0.071676
19316-2	HSC20	HSC20	Iron-sulfur cluster co-chaperone protein HscB, mitochondrial	Q8IWL3	HSCB	4	TRUE	0.21	0.1462	0.185	0.035894
19317-114	Prostatic acid phosphatase	Prostatic acid phosphatase	Prostatic acid phosphatase	P15309	ACP3	55	TRUE	0.1	0.1967	0.168	0.118596
19323-1	RCAS1	RCAS1	Receptor-binding cancer antigen expressed on SiSo cells	O00559	EBAG9	9166	TRUE	0.07	0.1857	0.821	0.08562
19327-31	Hat1	Hat1	Histone acetyltransferase type B catalytic subunit	O14929	HAT1	8520	TRUE	0.22	0.2792	0.269	0.083182
19329-31	HIPK3	HIPK3	Homeodomain-interacting protein kinase 3	Q9H422	HIPK3	10114	TRUE	0.08	0.1196	0.533	0.049949
19331-18	BAIP2	BAIP2	Brain-specific angiogenesis inhibitor 1-associated protein 2	Q9UQB8	BAIAP2	10458	TRUE	0.2	0.2202	0.388	0.061731
19332-1	MOBL3	MOBL3	MOB-like protein phocein	Q9Y3A3	MOB4	25843	TRUE	0.13	0.2758	0.138	0.066408
19333-4	hnRNP K	hnRNP K	Heterogeneous nuclear ribonucleoprotein K	P61978	HNRNPK	3190	TRUE	0.32	0.2246	0.52	0.082877
19334-62	TXD12	TXD12	Thioredoxin domain-containing protein 12	O95881	TXNDC1	51060	TRUE	0.08	0.1714	0.703	0.035924
19338-3	LZIC	LZIC	Protein LZIC	Q8WZA0	LZIC	84328	TRUE	0.09	0.219	0.702	0.045986
19341-36	ACBD6	ACBD6	Acyl-CoA-binding domain-containing protein 6	Q9BR61	ACBD6	84320	TRUE	0.09	0.2813	0.217	0.040965
19353-25	OSTM1	OSTM1	Osteopetrosis-associated transmembrane protein 1	Q86WC4	OSTM1	28962	TRUE	0.11	0.1671	0.152	0.034568
19356-20	TM1L2	TM1L2	TOM1-like protein 2	Q6ZVM7	TOM1L2	1	TRUE	0.19	0.2035	0.209	0.086997
19357-11	VAMP7	VAMP7	Vesicle-associated membrane protein 7	P51809	VAMP7	6845	TRUE	0.15	0.0915	3.297	0.088217

19361-78	MATN3	MATN3	Matrilin-3	O15232	MATN3	4148	TRUE	0.06	0.1292	0.266	0.065834
19364-163	PCNA	PCNA	Proliferating cell nuclear antigen	P12004	PCNA	5111	TRUE	0.06	0.082	4.258	0.082179
19365-11	BCAT2	BCAT2	Branched-chain-amino-acid aminotransferase, mitochondrial	O15382	BCAT2	587	TRUE	0.23	0.263	0.646	0.03867
19366-8	PEX26	PEX26	Peroxisome assembly protein 26	Q7Z412	PEX26	55670	TRUE	0.12	0.205	0.125	0.056199
19367-34	D3D2	D3D2	Enoyl-CoA delta isomerase 1, mitochondrial	P42126	ECI1	1632	TRUE	0.07	0.1123	0.355	0.091193
19370-30	HS3S4	HS3S4	Heparan sulfate glucosamine 3-O-sulfotransferase 4	Q9Y661	HS3ST4	9951	TRUE	0.08	0.1984	0.349	0.040062
19371-18	MARE1	MARE1	Microtubule-associated protein RP/EB family member 1	Q15691	MAPRE1	22919	TRUE	0.08	0.1213	1.026	0.064505
19372-7	MDGA2	MDGA2	MAM domain-containing glycosylphosphatidylinositol anchor protein 2	Q7Z553	MDGA2	7	TRUE	0.06	0.1642	0.354	0.086421
19373-3	MLRM	MLRM	Myosin regulatory light chain 12A	P19105	MYL12A	10627	TRUE	0.14	0.139	0.797	0.077032
19374-72	MTCP1	MTCP1	Protein p13 MTCP-1	P56278	MTCP1	4515	TRUE	0.08	0.1809	0.407	0.075122
19376-74	NNMT	NNMT	Nicotinamide N-methyltransferase	P40261	NNMT	4837	TRUE	0.11	0.1685	0.869	0.087956
19377-14	NOE2	NOE2	Noelin-2	O95897	OLFM2	93145	TRUE	0.09	0.0907	0.337	0.038145
19379-154	RAB3D	RAB3D	Ras-related protein Rab-3D	O95716	RAB3D	9545	TRUE	0.13	0.1645	0.964	0.103676
19381-7	RGS21	RGS21	Regulator of G-protein signaling 21	Q2M5E4	RGS21	4	TRUE	0.09	0.1806	2.751	0.097485
19383-131	CINP	CINP	Cyclin-dependent kinase 2-interacting protein	Q9BW66	CINP	51550	TRUE	0.21	0.252	2.587	0.075711
19388-2	Cadherin-12	n-12:ECD	Cadherin-12:Extracellular domain	P55289	CDH12	1010	TRUE	0.09	0.1677	1.256	0.082435
19392-6	DDAH1	DDAH1	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	O94760	DDAH1	23576	TRUE	0.11	0.15	0.579	0.044012
19437-61	L-VEGF165	L-VEGF165	Isoform L-VEGF165	P15692	VEGFA	7422	TRUE	0.11	0.0806	0.389	0.085892
19438-68	SYF2	SYF2	Pre-mRNA-splicing factor SYF2	O95926	SYF2	25949	TRUE	0.06	0.1213	0.383	0.073448
19446-1	GMPR2	GMPR2	GMP reductase 2	Q9P2T1	GMPR2	51292	TRUE	0.08	0.1388	0.298	0.161276

19448-104	UPP1	UPP1	Uridine phosphorylase 1	Q16831	UPP1	7378	TRUE	0.1	0.1293	0.258	0.094791
19467-3	RBSK	RBSK	Ribokinase	Q9H477	RBKS	64080	TRUE	0.07	0.1309	0.265	0.105168
19482-11	HDHD3	HDHD3	Haloacid dehalogenase-like hydrolase domain-containing protein 3	Q9BSH5	HDHD3	81932	TRUE	0.13	0.149	0.226	0.067477
19483-16	KDSR	KDSR	3-ketodihydrosphingosine reductase	Q06136	KDSR	2531	TRUE	0.17	0.1251	1.104	0.069019
19488-1	PDCD6	PDCD6	Programmed cell death protein 6	O75340	PDCD6	10016	TRUE	0.12	1.7703	0.163	0.103803
19491-11	DHB8	DHB8	Estradiol 17-beta-dehydrogenase 8	Q92506	HSD17B8	7923	TRUE	0.15	0.2011	0.234	0.076381
19492-5	KAAG1	KAAG1	Kidney-associated antigen 1	Q9UBP8	KAAG1	35321	TRUE	0.05	0.1176	0.27	0.065445
19496-1	NPL	NPL	N-acetylneuraminatase lyase	Q9BXD5	NPL	80896	TRUE	0.07	0.0968	0.202	0.084503
19503-2	SNX3	SNX3	Sorting nexin-3	O60493	SNX3	8724	TRUE	0.17	0.3032	0.47	0.070069
19504-22	KTHY	KTHY	Thymidylate kinase	P23919	DTYMK	1841	TRUE	0.05	0.0904	0.669	0.03675
19506-6	GLYAT	GLYAT	Glycine N-acyltransferase	Q6IB77	GLYAT	10249	TRUE	0.11	0.2403	2.904	0.10639
19516-10	HMGA2	HMGA2	High mobility group protein HMGI-C	P52926	HMGA2	8091	TRUE	0.12	0.0902	0.371	0.062725
19518-12	HXK3	HXK3	Hexokinase-3	P52790	HK3	3101	TRUE	0.15	0.167	0.166	0.079655
19523-215	PARK7	PARK7	Protein DJ-1	Q99497	PARK7	11315	TRUE	0.19	2.5544	0.652	0.087133
19545-145	Oxidized PARK7	Oxidized PARK7	Oxidized Protein deglycase DJ-1	Q99497	PARK7	11315	TRUE	0.19	0.1127	0.165	0.069494
19553-14	STX1a	STX1a	Syntaxin-1A	Q16623	STX1A	6804	TRUE	0.06	0.1303	0.19	0.070554
19555-1	SUMO2	SUMO2	Small ubiquitin-related modifier 2	P61956	SUMO2	6613	TRUE	0.13	0.1785	0.352	0.110945
19556-12	Complement receptor type 1	Complement receptor type 1	Complement receptor type 1	P17927	CR1	1378	TRUE	0.11	0.1636	0.305	0.048521
19557-3	KLOTB	KLOTB	Beta-klotho	Q86Z14	KLB	15283	TRUE	0.09	0.1967	0.34	0.025912
19558-10	LRP4	LRP4	Low-density lipoprotein receptor-related protein 4	O75096	LRP4	4038	TRUE	0.08	0.1091	0.342	0.040749
19560-23	PLXA4	PLXA4	Plexin-A4	Q9HCM2	PLXNA4	91584	TRUE	0.07	0.1204	0.311	0.08968
19561-216	PLXD1	PLXD1	Plexin-D1	Q9Y4D7	PLXND1	23129	TRUE	0.09	0.2066	0.18	0.016235

19562-8	UBP28	UBP28	Ubiquitin carboxyl-terminal hydrolase 28	Q96RU2	USP28	57646	TRUE	0.11	0.1146	0.399	0.119332
19563-3	SEZ6L	SEZ6L	Seizure 6-like protein	Q9BYH1	SEZ6L	23544	TRUE	0.07	0.1464	0.194	0.029663
19564-61	IRF4	IRF4	Interferon regulatory factor 4	Q15306	IRF4	3662	TRUE	0.13	0.2172	1.112	0.05391
19567-1	EGFRvIII	EGFRvIII	Epidermal growth factor receptor variant III	P00533	EGFR	1956	TRUE	0.08	0.1751	0.872	0.055237
19568-17	IL-15	IL-15	Interleukin-15	P40933	IL15	3600	TRUE	0.08	0.1607	0.28	0.196129
19570-12	FGF-8	FGF-8	Fibroblast growth factor 8	P55075	FGF8	2253	TRUE	0.26	0.1112	0.169	0.048292
19574-5	gpIIbIIIa	gpIIbIIIa	Integrin alpha-IIb: beta-3 complex	P05106 P08514	ITGB3 ITGA2B	3690 3674	TRUE	0.52	0.4821	0.808	0.068662
19578-19	DOK2	DOK2	Docking protein 2	O60496	DOK2	9046	TRUE	0.07	0.1346	1.039	0.05137
19579-5	HNP-1	HNP-1	Neutrophil defensin 1	P59665	DEFA1	1667	TRUE	0.09	0.1683	0.121	0.036558
19581-15	IGFBP-5	IGFBP-5	Insulin-like growth factor-binding protein 5	P24593	IGFBP5	3488	TRUE	0.21	0.125	0.594	0.035456
19584-33	FGF9	FGF9	Fibroblast growth factor 9	P31371	FGF9	2254	TRUE	0.13	0.1107	0.199	0.074998
19587-12	IMA5	IMA5	Importin subunit alpha-5	P52294	KPNA1	3836	TRUE	0.24	0.15	0.937	0.088975
19590-46	SP-D	SP-D	Pulmonary surfactant-associated protein D	P35247	SFTPD	6441	TRUE	0.13	0.4441	0.624	0.031823
19596-18	BRF-1	BRF-1	Transcription factor IIIB 90 kDa subunit	Q92994	BRF1	2972	TRUE	0.16	0.1946	0.246	0.126429
19601-15	ASB9	ASB9	Ankyrin repeat and SOCS box protein 9	Q96DX5	ASB9	2	TRUE	0.18	0.1992	0.387	0.07563
19602-36	jun-D	jun-D	Transcription factor jun-D	P17535	JUND	3727	TRUE	0.07	0.1351	0.467	0.048265
19606-28	ihh	ihh	Indian hedgehog protein	Q14623	IHH	3549	TRUE	0.13	0.1451	0.392	0.05305
19614-8	Holo-TC I	Holo-TC I	Transcobalamin-1	P20061	TCN1	6947	TRUE	0.18	0.5632	0.501	0.086358
19615-213	5NT3	5NT3	Cytosolic 5'-nucleotidase 3A	Q9H0P0	NT5C3A	51251	TRUE	0.29	0.258	0.353	0.017754
19616-100	EFHD1	EFHD1	EF-hand domain-containing protein D1	Q9BUPO	EFHD1	80303	TRUE	0.09	0.1372	0.105	0.021259
19617-5	LTB4DH	LTB4DH	Prostaglandin reductase 1	Q14914	PTGR1	22949	TRUE	0.12	0.1715	0.96	0.024426
19620-16	DLG2	DLG2	Disks large homolog 2	Q15700	DLG2	1740	TRUE	0.12	0.1878	0.703	0.050928
19622-7	Activin A	Activin A	Activin A	P08476	INHBA	3624	TRUE	0.06	0.2577	0.402	0.028147

19623-26	40S ribosomal protein SA	40S ribosomal protein SA	40S ribosomal protein SA	P08865	RPSA	3921	TRUE	0.1	0.143	0.482	0.022041
19630-2	g-Synuclein	g-Synuclein	Gamma-synuclein	O76070	SNCG	6623	TRUE	0.1	1.3707	0.161	0.076913
19631-13	Kininostatin	Kininostatin	Kininostatin	P01042	KNG1	3827	TRUE	0.29	0.2762	0.378	0.07223
19635-69	FGL2	FGL2	Fibroleukin	Q14314	FGL2	10875	TRUE	0.14	0.3077	0.13	0.053332
19636-23	HLA-G	HLA-G	HLA class I histocompatibility antigen, alpha chain G	P17693	HLA-G	3135	TRUE	0.2	3.2635	0.118	0.068502
19637-9	CRH	CRH	Corticoliberin	P06850	CRH	1392	TRUE	0.11	0.1478	4.157	0.051925
19638-9	Dynorphin A (1-17)	Dynorphin A (1-17)	Dynorphin A (1-17)	P01213	PDYN	5173	TRUE	0.31	0.1354	0.242	0.061961
19639-53	IAPP	IAPP	Islet amyloid polypeptide	P10997	IAPP	3375	TRUE	0.08	0.1461	0.249	0.034149
19742-3	Septin-5	Septin-5	Septin-5	Q99719	SEPTIN5	5413	TRUE	0.11	0.1025	0.15	0.079203
19743-12	VSTM1	VSTM1	V-set and transmembrane domain-containing protein 1	Q6UX27	VSTM1	28441	TRUE	0.13	0.0928	0.182	0.030595
19748-3	ERG19	ERG19	Diphosphomevalonate decarboxylase	P53602	MVD	4597	TRUE	0.04	0.0827	0.261	0.077484
19751-21	ADA	ADA	Adenosine deaminase	P00813	ADA	100	TRUE	0.21	0.2121	0.215	0.05192
19752-197	AMP1D	AMP1D	Methionine aminopeptidase 1D, mitochondrial	Q6UB28	METAP1D	25404	TRUE	0.13	0.1229	0.159	0.049508
19755-38	ATIF1	ATIF1	ATPase inhibitor, mitochondrial	Q9UII2	ATP5IF1	93974	TRUE	0.08	0.1131	0.763	0.070544
19760-26	CBPA1	CBPA1	Carboxypeptidase A1	P15085	CPA1	1357	TRUE	0.15	0.1432	0.279	0.058603
19765-17	CLC4G	CLC4G	C-type lectin domain family 4 member G	Q6UXB4	CLEC4G	33939	TRUE	0.06	0.0725	0.567	0.037432
19767-20	Cyclin E	Cyclin E	G1/S-specific cyclin-E1	P24864	CCNE1	898	TRUE	0.14	0.1168	0.308	0.031183
19768-13	Cystatin B	Cystatin B	Cystatin B	P04080	CSTB	1476	TRUE	0.09	0.1004	0.277	0.069315
19774-8	HBG2	HBG2	Hemoglobin subunit gamma-2	P69892	HBG2	3048	TRUE	0.06	0.2671	2.847	0.080503
19784-16	LY6D	LY6D	Lymphocyte antigen 6D	Q14210	LY6D	8581	TRUE	0.16	0.1216	0.252	0.068326
19786-26	MEP1A	MEP1A	Meprin A subunit alpha	Q16819	MEP1A	4224	TRUE	0.09	0.1843	0.184	0.069346

19787-14	MER	MER	Proto-oncogene tyrosine-protein kinase MER	Q12866	MERTK	10461	TRUE	0.07	0.115	0.225	0.035299
19788-6	METK2	METK2	S-adenosylmethionine synthetase isoform type-2	P31153	MAT2A	4144	TRUE	0.1	0.141	0.189	0.030501
19794-10	NUD14	NUD14	Uridine diphosphate glucose pyrophosphatase	O95848	NUDT14	25628 1	TRUE	0.09	0.1327	0.801	0.060119
19797-4	GCNL2	GCNL2	Histone acetyltransferase KAT2A	Q92830	KAT2A	2648	TRUE	0.07	0.1577	0.742	0.056805
19799-2	PGAM4	PGAM4	Probable phosphoglycerate mutase 4	Q8N0Y7	PGAM4	44153 1	TRUE	0.18	0.139	0.168	0.076399
19802-22	RCAS1	RCAS1	Receptor-binding cancer antigen expressed on SiSo cells	O00559	EBAG9	9166	TRUE	0.07	0.1213	0.506	0.040149
19803-34	RET2	RET2	Retinol-binding protein 2	P50120	RBP2	5948	TRUE	0.05	0.1264	0.359	0.041026
19808-26	RAB3D	RAB3D	Ras-related protein Rab-3D	O95716	RAB3D	9545	TRUE	0.16	0.151	0.993	0.075575
19809-47	RPB9	RPB9	DNA-directed RNA polymerase II subunit RPB9	P36954	POLR2I	5438	TRUE	0.11	0.1144	0.409	0.071331
19819-7	RGS21	RGS21	Regulator of G-protein signaling 21	Q2M5E4	RGS21	43170 4	TRUE	0.1	0.1557	0.207	0.08552
19821-10	PGRP-I-beta	PGRP-I-beta	Peptidoglycan recognition protein I-beta	Q96LB8	PGLYRP4	57115	TRUE	0.12	0.1362	0.159	0.046546
19823-75	SIR1	SIR1	NAD-dependent protein deacetylase sirtuin-1	Q96EB6	SIRT1	23411	TRUE	0.19	0.2376	0.347	0.09606
19824-3	UB2R2	UB2R2	Ubiquitin-conjugating enzyme E2 R2	Q712K3	UBE2R2	54926	TRUE	0.15	0.2476	0.134	0.074861
20064-24	FN1.2	FN1.2	Fibronectin-1 Fragment 2	P02751	FN1	2335	TRUE	0.18	0.4533	0.3	0.038361
20066-19	Frizzled-5	Frizzled-5	Frizzled-5	Q13467	FZD5	7855	TRUE	0.17	0.1381	0.444	0.109611
20067-26	FSAP	FSAP	Factor seven-activating protease	Q14520	HABP2	3026	TRUE	0.14	0.2429	0.281	0.119925
20069-23	GLYL2	GLYL2	Glycine N-acyltransferase-like protein 2	Q8WU03	GLYATL2	21997 0	TRUE	0.1	0.1276	0.391	0.066979
20074-3	LAMA3	LAMA3	Laminin subunit alpha-3	Q16787	LAMA3	3909	TRUE	0.1	0.222	0.448	0.039561
20076-7	MNDA	MNDA	Myeloid cell nuclear differentiation antigen	P41218	MNDA	4332	TRUE	0.07	0.1386	3.318	0.077166
20078-6	MYL6B	MYL6B	Myosin light chain 6B	P14649	MYL6B	14046 5	TRUE	0.12	0.7409	0.145	0.057872

20079-6	PCKGM	PCKGM	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial	Q16822	PCK2	5106	TRUE	0.28	0.228	0.367	0.05871
20083-1	RAB6A	RAB6A	Ras-related protein Rab-6A	P20340	RAB6A	5870	TRUE	0.23	2.8933	0.954	0.047644
20086-5	RB11B	RB11B	Ras-related protein Rab-11B	Q15907	RAB11B	9230	TRUE	0.14	1.2328	0.979	0.076584
20087-3	selenopro tein15	selenopr otein15	15 kDa selenoprotein	O60613	SELENOF	9403	TRUE	0.23	0.49	0.216	0.030639
20090-63	UB2E3	UB2E3	Ubiquitin-conjugating enzyme E2 E3	Q969T4	UBE2E3	10477	TRUE	0.11	0.264	0.625	0.072359
20091-138	Ephrin-A1	Ephrin-A1	Ephrin-A1	P20827	EFNA1	1942	TRUE	0.1	0.1445	1.289	0.062394
20093-9	VCAM-1	VCAM-1	Vascular cell adhesion protein 1	P19320	VCAM1	7412	TRUE	0.09	0.1788	0.266	0.034731
20105-7	Myosin light polypepti de 6	Myosin light polypept ide 6	Myosin light polypeptide 6	P60660	MYL6	4637	TRUE	0.09	0.1684	0.374	0.087311
20106-80	DCPS	DCPS	Scavenger mRNA-decapping enzyme DcpS	Q96C86	DCPS	28960	TRUE	0.16	0.1752	0.167	0.073693
20110-25	HN1L	HN1L	Hematological and neurological expressed 1-like protein	Q9H910	JPT2	90861	TRUE	0.13	0.1762	0.493	0.123812
20116-30	OXSRI	OXSRI	Serine/threonine-protein kinase OSR1	O95747	OXSRI	9943	TRUE	0.11	0.2796	0.554	0.087225
20117-5	4EBP2	4EBP2	Eukaryotic translation initiation factor 4E-binding protein 2	Q13542	EIF4EBP 2	1979	TRUE	0.09	0.1239	0.488	0.117608
20127-102	HEPH	HEPH	Hephaestin	Q9BQS7	HEPH	9843	TRUE	0.12	0.2364	0.443	0.059622
20130-144	KC1G1	KC1G1	Casein kinase I isoform gamma-1	Q9HCPO	1	53944	TRUE	0.08	0.1489	1.036	0.119214
20133-1	MAGE-3	MAGE-3	Melanoma-associated antigen 3	P43357	MAGEA3	4102	TRUE	0.1	0.1493	0.169	0.037104
20135-85	MCE1	MCE1	mRNA-capping enzyme	O60942	RNGTT	8732	TRUE	0.12	1.0714	0.321	0.10168
20137-49	ROA1	ROA1	Heterogeneous nuclear ribonucleoprotein A1	P09651	HNRNPA 1	3178	TRUE	0.08	3.8161	0.65	0.053453
20142-42	UBE2C	UBE2C	Ubiquitin-conjugating enzyme E2 C	O00762	UBE2C	11065 12390	TRUE	0.21	0.2442	0.197	0.088388
20159-1	NRN1L	NRN1L	Neuritin-like protein	Q496H8	NRN1L	4	TRUE	0.09	0.1933	0.333	0.06652
20161-41	NCAM1	NCAM1	Neural cell adhesion molecule 1	P13591	NCAM1	4684	TRUE	0.09	0.1633	0.199	0.055653
20165-4	DPYS	DPYS	Dihydropyrimidinase	Q14117	DPYS	1807	TRUE	0.17	0.2482	0.255	0.065713
20173-39	CAN9	CAN9	Calpain-9	O14815	CAPN9	10753	TRUE	0.16	0.1957	0.103	0.020675

20175-17	CO9A3	CO9A3	Collagen alpha-3(IX) chain	Q14050	COL9A3	1299	TRUE	0.18	0.677	0.201	0.044565
20189-4	Integrin aVb6	Integrin aVb6	Integrin alpha V beta 6	P18564 P06756	ITGB6 ITGAV	3694 3685	TRUE	0.08	0.1943	0.695	0.060249
20191-13	Integrin aVb8	Integrin aVb8	Integrin alpha V beta 8	P26012 P06756	ITGB8 ITGAV	3696 3685	TRUE	0.13	0.1175	0.298	0.030851
20197-14	VISL1	VISL1	Visinin-like protein 1	P62760	VSNL1	7447	TRUE	0.1	0.222	1.244	0.030206
20203-45	C1s	C1s	Complement C1s subcomponent	P09871	C1S	716	TRUE	0.11	0.1808	0.14	0.049675
20211-75	GBP5	GBP5	Guanylate-binding protein 5	Q96PP8	GBP5	11536 2	TRUE	0.28	0.2996	0.23	0.059184
20213-82	HSP76	HSP76	Heat shock 70 kDa protein 6	P17066	HSPA6	3310	TRUE	0.13	0.1721	0.999	0.051016
20219-25	Neprilysin n	Neprilysin n	Neprilysin	P08473	MME	4311	TRUE	0.2	0.2601	0.204	0.074054
20221-26	PDE4C	PDE4C	cAMP-specific 3',5'-cyclic phosphodiesterase 4C	Q08493	PDE4C	5143	TRUE	0.07	0.1223	0.355	0.043673
20225-119	STA5A	STA5A	Signal transducer and activator of transcription 5A	P42229	STAT5A	6776	TRUE	0.24	0.1161	0.231	0.032925
20229-67	TM2D1	TM2D1	TM2 domain-containing protein 1	Q9BX74	TM2D1	83941	TRUE	0.13	0.1984	3.838	0.056901
20241-9	SNP23	SNP23	Synaptosomal-associated protein 23	O00161	SNAP23	8773	TRUE	0.2	0.3865	0.174	0.029963
20243-26	Profilin-1	Profilin-1	Profilin-1	P07737	PFN1	5216	TRUE	0.11	2.6597	0.745	0.095172
20247-17	DPYL4	DPYL4	Dihydropyrimidinase-related protein 4	O14531	DPYSL4	10570	TRUE	0.1	0.1738	0.196	0.063239
20367-6	OXLA	OXLA	L-amino-acid oxidase	Q96RQ9	IL4I1	25930 7	TRUE	0.13	0.0766	0.154	0.070001
20370-6	ACYP1	ACYP1	Acylphosphatase-1	P07311	ACYP1	97	TRUE	0.06	0.2557	0.399	0.029053
20373-141	GID8	GID8	Glucose-induced degradation protein 8 homolog	Q9NWU2	GID8	54994	TRUE	0.1	0.2272	0.158	0.034399
20374-41	COQ9	COQ9	Ubiquinone biosynthesis protein COQ9, mitochondrial	O75208	COQ9	57017	TRUE	0.14	0.3197	1.468	0.146168
20381-21	PIHD2	PIHD2	PIH1 domain-containing protein 2	Q8WWB5	PIH1D2	12037 9	TRUE	0.09	0.2616	1.526	0.076928
20382-8	MSPD1	MSPD1	Motile sperm domain-containing protein 1	Q9UJG1	MOSPD1	56180	TRUE	0.09	0.0797	0.139	0.069467
20385-21	CPTP	CPTP	Ceramide-1-phosphate transfer protein	Q5TA50	CPTP	80772	TRUE	0.06	0.163	0.355	0.023317
20386-15	PTRD1	PTRD1	Putative peptidyl-tRNA hydrolase PTRHD1	Q6GMV3	PTRHD1	39135 6	TRUE	0.07	0.0926	0.697	0.052526
20387-277	CHCH7	CHCH7	Coiled-coil-helix-coiled-coil-helix domain-containing protein 7	Q9BUK0	CHCHD7	79145	TRUE	0.13	0.1573	0.239	0.041503

20388-8	TSR2	TSR2	Pre-rRNA-processing protein TSR2 homolog	Q969E8	TSR2	90121	TRUE	0.21	0.2857	5.465	0.049707
20389-36	IMP2L	IMP2L	Mitochondrial inner membrane protease subunit 2	Q96T52	IMMP2L	83943	TRUE	0.08	0.1831	3.834	0.063994
20393-10	CNCG	CNCG	Retinal cone rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit gamma	Q13956	PDE6H	5149	TRUE	0.08	0.1088	0.343	0.081584
20398-60	POP7	POP7	Ribonuclease P protein subunit p20	O75817	POP7	10248	TRUE	0.11	0.1855	0.761	0.066792
20399-7	OXLD1	OXLD1	Oxidoreductase-like domain-containing protein 1	Q5BKU9	OXLD1	33922 9	TRUE	0.12	0.1485	0.149	0.058889
20401-19	BUD31	BUD31	Protein BUD31 homolog	P41223	BUD31	8896	TRUE	0.12	0.1659	0.211	0.094396
20402-11	TPC2A	TPC2A	Trafficking protein particle complex subunit 2	P0DI81	TRAPPC2	6399	TRUE	0.1	0.1603	0.757	0.059707
20408-11	TOM20	TOM20	Mitochondrial import receptor subunit TOM20 homolog	Q15388	TOMM20	9804	TRUE	0.09	0.086	0.6	0.046638
20411-52	TTC33	TTC33	Tetratricopeptide repeat protein 33	Q6PID6	TTC33	23548	TRUE	0.19	0.3425	0.145	0.062179
20423-40	CIB1	CIB1	Calcium and integrin-binding protein 1	Q99828	CIB1	10519	TRUE	0.09	0.2378	0.344	0.142137
20425-12	HHEX	HHEX	Hematopoietically-expressed homeobox protein HHEX	Q03014	HHEX	3087	TRUE	0.2	0.2119	0.238	0.041929
20426-34	FA84A	FA84A	Protein FAM84A	Q96KN4	LRATD1	15135 4	TRUE	0.37	0.4622	1.407	0.091765
20427-18	MED20	MED20	Mediator of RNA polymerase II transcription subunit 20	Q9H944	MED20	9477	TRUE	0.23	0.2422	0.204	0.091134
20428-5	PHOP1	PHOP1	Phosphoethanolamine/phosphocholine phosphatase	Q8TCT1	PHOSPHO1	16246 6	TRUE	0.1	0.0993	0.213	0.04897
20432-6	PGPI	PGPI	Pyroglutamyl-peptidase 1	Q9NXJ5	PGPEP1	54858	TRUE	0.09	0.1627	4.37	0.111256
20435-41	EMC2	EMC2	ER membrane protein complex subunit 2	Q15006	EMC2	9694	TRUE	0.15	0.279	6.68	0.081701
20436-93	TPGS2	TPGS2	Tubulin polyglutamylase complex subunit 2	Q68CL5	TPGS2	25941	TRUE	0.14	0.1803	0.086	0.041136
20439-14	PROSC	PROSC	Proline synthase co-transcribed bacterial homolog protein	O94903	PLPBP	11212	TRUE	0.07	0.0834	0.677	0.055075
20441-35	RPAB1	RPAB1	DNA-directed RNA polymerases I, II, and III subunit RPABC1	P19388	POLR2E	5434	TRUE	0.06	0.1615	0.289	0.020815

20442-12	RCAN3	RCAN3	Calcipressin-3	Q9UKA8	RCAN3	11123	TRUE	0.08	0.3333	0.248	0.141485
20443-37	TEN1L	TEN1L	CST complex subunit TEN1	Q86WV5	TEN1	4934	TRUE	0.12	0.0773	0.167	0.053414
20444-12	TPPP3	TPPP3	Tubulin polymerization-promoting protein family member 3	Q9BW30	TPPP3	51673	TRUE	0.15	0.2406	0.287	0.059029
20445-29	AP1AR	AP1AR	AP-1 complex-associated regulatory protein	Q63HQ0	AP1AR	55435	TRUE	0.11	0.163	0.507	0.051714
20448-7	RPAB2	RPAB2	DNA-directed RNA polymerases I, II, and III subunit RPABC2	P61218	POLR2F	5435	TRUE	0.06	0.1469	0.362	0.043408
20451-126	IFT22	IFT22	Intraflagellar transport protein 22 homolog	Q9H7X7	IFT22	64792	TRUE	0.14	0.1215	0.099	0.039611
20453-9	NSE1	NSE1	Non-structural maintenance of chromosomes element 1 homolog	Q8WV22	NSMCE1	19737	TRUE	0.06	0.1514	0.544	0.063934
20457-13	COA4	COA4	Cytochrome c oxidase assembly factor 4 homolog, mitochondrial	Q9NYJ1	COA4	51287	TRUE	0.09	0.1259	0.259	0.079024
20458-22	NDUA2	NDUA2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	O43678	NDUFA2	4695	TRUE	0.14	0.2452	0.31	0.111685
20460-22	IFT20	IFT20	Intraflagellar transport protein 20 homolog	Q8IY31	IFT20	90410	TRUE	0.22	0.2443	0.274	0.109847
20461-58	FA50A	FA50A	Protein FAM50A	Q14320	FAM50A	9130	TRUE	0.07	0.0588	0.112	0.037817
20512-2	MUC18	MUC18	Melanoma-associated antigen MUC18	P43121	MCAM	4162	TRUE	0.07	0.0829	0.181	0.046131
20514-8	BAMBI	BAMBI	BMP and activin membrane-bound inhibitor	Q13145	BAMBI	25805	TRUE	0.18	0.1946	0.452	0.084687
20517-1	Desmoglein-2	Desmoglein-2	Desmoglein-2	Q14126	DSG2	1829	TRUE	0.1	0.1706	0.189	0.067441
20521-83	CD28	CD28	CD28	P10747	CD28	940	TRUE	0.1	0.2388	0.327	0.085279
20522-2	IRPL1	IRPL1	Interleukin-1 receptor accessory protein-like 1	Q9NZN1	IL1RAPL1	11141	TRUE	0.12	0.271	0.25	0.085053
20524-38	NRG3	NRG3	Pro-neuregulin-3, membrane-bound isoform	P56975	NRG3	10718	TRUE	0.07	0.1463	4.894	0.108666
20525-200	PDIA4	PDIA4	Protein disulfide-isomerase A4	P13667	PDIA4	9601	TRUE	0.07	2.7467	0.761	0.056887
20526-3	RET1L	RET1L	Retinoic acid early transcript 1L protein	Q5VY80	RAET1L	15406	TRUE	0.1	0.2776	2.446	0.14064

20527-47	SEM5B	SEM5B	Semaphorin-5B	Q9P283	SEMA5B	54437	TRUE	0.07	0.0881	0.715	0.064085
20530-2	SEM6D	SEM6D	Semaphorin-6D	Q8NFY4	SEMA6D	80031	TRUE	0.09	0.1593	0.194	0.095676
20531-5	SLAF9	SLAF9	SLAM family member 9	Q96A28	SLAMF9	89886	TRUE	0.08	0.1473	0.338	0.06153
20533-39	IL-35	IL-35	Interleukin-35	Q14213 P29459	EBI3 IL12A	10148 3592	TRUE	0.11	0.1326	0.43	0.197479
20534-6	SCRB1	SCRB1	Scavenger receptor class B member 1	Q8WTV0	SCARB1	949	TRUE	0.13	0.1172	1.117	0.072436
20535-68	I17RE	I17RE	Interleukin-17 receptor E	Q8NFR9	IL17RE	4	TRUE	0.26	0.2453	0.381	0.052204
20536-11	ESAM	ESAM	Endothelial cell-selective adhesion molecule	Q96AP7	ESAM	90952	TRUE	0.1	0.3155	0.25	0.030188
20538-71	SIG11	SIG11:E CD	Sialic acid-binding Ig-like lectin 11:Extracellular domain, Isoform 1	Q96RL6	SIGLEC1	11413	TRUE	0.08	0.1756	0.582	0.081479
20539-4	HNP-3	HNP-3	Neutrophil defensin 3	P59666	DEFA3	1668	TRUE	0.07	0.1832	0.594	0.090395
20540-65	SEM4G	SEM4G	Semaphorin-4G	Q9NTN9	SEMA4G	57715	TRUE	0.07	0.1364	0.24	0.038789
20542-47	CALCR	CALCR	Calcitonin receptor	P30988	CALCR	799	TRUE	0.11	0.1241	1.102	0.08952
20543-19	DB127	DB127	Beta-defensin 127	Q9H1M4	DEFB127	0	TRUE	0.13	0.1452	0.214	0.086257
20545-17	MFAP3	MFAP3	Microfibril-associated glycoprotein 3	P55082	MFAP3	4238	TRUE	0.28	0.3004	0.518	0.054255
20546-71	R4RL1	R4RL1	Reticulon-4 receptor-like 1	Q86UN2	RTN4RL1	0	TRUE	0.1	0.5114	0.245	0.058014
20549-1	IZUM4	IZUM4	Izumo sperm-egg fusion protein 4	Q1ZYL8	IZUMO4	7	TRUE	0.08	0.2705	0.434	0.039819
20550-38	NTRI	NTRI	Neurotrimin	Q9P121	NTM	50863	TRUE	0.1	0.2415	0.213	0.076366
20561-15	CNTN6	CNTN6	Contactin-6	Q9UQ52	CNTN6	27255	TRUE	0.11	0.3229	0.43	0.077524
20562-78	KLRB1	KLRB1	Killer cell lectin-like receptor subfamily B member 1	Q12918	KLRB1	3820	TRUE	0.07	0.1686	1.513	0.047787
20568-3	FREM1	FREM1	FRAS1-related extracellular matrix protein 1	Q5H8C1	FREM1	15832	TRUE	0.08	0.2145	0.314	0.113591
20570-18	VSTM1	VSTM1	V-set and transmembrane domain-containing protein 1	Q6UX27	VSTM1	28441	TRUE	0.1	0.235	0.672	0.048978
20572-6	MER	MER	Proto-oncogene tyrosine-protein kinase MER	Q12866	MERTK	10461	TRUE	0.17	0.4824	0.726	0.066353
20576-71	FZD7	FZD7	Frizzled-7	O75084	FZD7	8324	TRUE	0.1	0.123	0.249	0.098856

20577-5	FZD8	FZD8	Frizzled-8	Q9H461	FZD8	8325	TRUE	0.06	0.0875	0.339	0.102772
20578-10	LPHN3	LPHN3	Latrophilin-3	Q9HAR2	ADGRL3	23284	TRUE	0.08	0.621	0.132	0.1301
20579-50	MAG	MAG	Myelin-associated glycoprotein	P20916	MAG	4099	TRUE	0.12	0.073	0.332	0.045185
20581-42	GLP1R	GLP1R:CD	receptor:Extracellular domain	P43220	GLP1R	2740	TRUE	0.11	0.2619	1.756	0.060704
20584-4	nectin-1 gamma	nectin-1 gamma:ECD	Nectin-1, isoform gamma: Extracellular domain	Q15223	NECTIN1	5818	TRUE	0.18	0.2582	0.14	0.039165
20585-5	CLM9	CLM9	CMRF35-like molecule 9	Q6UXG3	G	4	TRUE	0.1	0.1881	0.425	0.104982
20585-9	CLM9	CLM9	CMRF35-like molecule 9	Q6UXG3	G	4	TRUE	0.08	0.1099	1	0.072307
20586-18	CNTN3	CNTN3	Contactin-3	Q9P232	CNTN3	5067	TRUE	0.07	0.0916	0.236	0.083715
20589-5	CADH4	CADH4	Cadherin-4	P55283	CDH4	1002	TRUE	0.08	0.2158	0.586	0.063547
20590-13	NPY	NPY	Neuropeptide Y	P01303	NPY	4852	TRUE	0.09	0.2257	0.228	0.063326
20591-48	GLDN	GLDN	Gliomedin	Q6ZMI3	GLDN	5	TRUE	0.1	0.2864	0.251	0.046416
20592-8	LXN	LXN	Latexin	Q9BS40	LXN	56925	TRUE	0.15	0.2071	0.267	0.064869
20593-10	B3GT5	B3GT5	Beta-1,3-galactosyltransferase 5	Q9Y2C3	B3GALT5	10317	TRUE	0.09	0.1935	0.26	0.09695
20913-27	EIF1	EIF1	Eukaryotic translation initiation factor 1	P41567	EIF1	10209	TRUE	0.14	0.2163	0.415	0.125817
20915-68	NECP2	NECP2	Adaptin ear-binding coat-associated protein 2	Q9NVZ3	NECAP2	55707	TRUE	0.06	1.0677	0.529	0.050834
20918-28	RU1C	RU1C	U1 small nuclear ribonucleoprotein C	P09234	SNRPC	6631	TRUE	0.09	0.134	0.828	0.082544
20922-4	PROF4	PROF4	Profilin-4	Q8NHR9	PFN4	9	TRUE	0.28	0.092	0.473	0.069248
20923-10	MGDP1	MGDP1	Magnesium-dependent phosphatase 1	Q86V88	MDP1	3	TRUE	0.07	0.1326	0.819	0.03212
20924-85	TCAL1	TCAL1	Transcription elongation factor A protein-like 1	Q15170	TCEAL1	9338	TRUE	0.09	0.0834	0.271	0.051162
20926-31	ATF1	ATF1	Cyclic AMP-dependent transcription factor ATF-1	P18846	ATF1	466	TRUE	0.08	0.1018	0.446	0.042107
20927-43	T2FB	T2FB	General transcription factor IIF subunit 2	P13984	GTF2F2	2963	TRUE	0.15	0.2329	0.149	0.077992
20929-4	CTDSL	CTDSL	CTD small phosphatase-like protein	O15194	CTDSPL	10217	TRUE	0.05	0.1508	0.71	0.065696

20931-156	AUHM	AUHM	Methylglutaconyl-CoA hydratase, mitochondrial	Q13825	AUH	549	TRUE	0.07	0.1618	0.433	0.072942
20932-10	CCD69	CCD69	Coiled-coil domain-containing protein 69	A6NI79	CCDC69	26112	TRUE	0.23	0.162	0.108	0.06642
20934-13	RAB24	RAB24	Ras-related protein Rab-24	Q969Q5	RAB24	53917	TRUE	0.15	0.2192	0.819	0.062335
20935-4	PDCL3	PDCL3	Phosducin-like protein 3	Q9H2J4	PDCL3	79031	TRUE	0.07	0.1715	1.596	0.04784
20936-8	TATD3	TATD3	Putative deoxyribonuclease	Q17R31	TATDN3	12838 7	TRUE	0.1	0.0885	0.205	0.045391
20937-43	NEP1	NEP1	Ribosomal RNA small subunit methyltransferase NEP1	Q92979	EMG1	10436	TRUE	0.08	0.0875	0.308	0.015865
20939-113	NHP2	NHP2	H/ACA ribonucleoprotein complex subunit 2	Q9NX24	NHP2	55651	TRUE	0.14	0.1552	0.325	0.044444
20941-7	UBL3	UBL3	Ubiquitin-like protein 3	O95164	UBL3	5412	TRUE	0.08	0.1049	0.134	0.048808
20942-4	DNJB8	DNJB8	DnaJ homolog subfamily B member 8	Q8NHS0	DNAJB8	16572 1	TRUE	0.09	5.6403	0.421	0.06079
20943-14	NAA50	NAA50	N-alpha-acetyltransferase 50	Q9GZZ1	NAA50	80218	TRUE	0.08	0.15	0.86	0.094066
20946-41	GTSF1	GTSF1	Gametocyte-specific factor 1	Q8WW33	GTSF1	12135 5	TRUE	0.08	0.165	0.416	0.064504
20947-50	NC2B	NC2B	Protein Dr1	Q01658	DR1	1810	TRUE	0.21	0.3009	0.372	0.06339
20948-16	NUD16	NUD16	U8 snoRNA-decapping enzyme	Q96DE0	NUDT16	13187 0	TRUE	0.06	0.1166	0.397	0.030255
20950-159	PRDC1	PRDC1	Phosphoribosyltransferase domain-containing protein 1	Q9NRG1	PRTFDC1	56952	TRUE	0.12	0.2028	1.028	0.082458
20952-15	ECHD1	ECHD1	Ethylmalonyl-CoA decarboxylase	Q9NTX5	ECHDC1	55862	TRUE	0.11	0.1225	0.522	0.072515
20953-34	MMAC	MMAC	Methylmalonic aciduria and homocystinuria type C protein	Q9Y4U1	MMACHC	25974	TRUE	0.11	2.1509	0.778	0.070184
20954-27	LDOCL	LDOCL	Protein LDOC1L	Q6ICC9	RTL6	84247	TRUE	0.12	0.2309	0.305	0.034394
20955-20	ADAT2	ADAT2	tRNA-specific adenosine deaminase 2	Q7Z6V5	ADAT2	13463 7	TRUE	0.13	0.1257	1.822	0.031559
20956-13	PFD4	PFD4	Prefoldin subunit 4	Q9NQP4	PFDN4	5203	TRUE	0.09	0.0939	0.249	0.03298
20958-13	RAB23	RAB23	Ras-related protein Rab-23	Q9ULC3	RAB23	51715	TRUE	0.11	0.1142	0.576	0.070312
20959-12	DUS18	DUS18	Dual specificity protein phosphatase 18	Q8NEJ0	DUSP18	15029 0	TRUE	0.07	0.0763	0.165	0.022095

20960-47	FUBP1	FUBP1	Far upstream element-binding protein 1	Q96AE4	FUBP1	8880	TRUE	0.07	0.2046	0.384	0.08353
20964-13	RS14	RS14	40S ribosomal protein S14	P62263	RPS14	6208	TRUE	0.07	0.157	0.306	0.071255
20965-18	MP3B2	MP3B2	Microtubule-associated proteins 1A/1B light chain 3 beta 2	A6NCE7	MAP1LC3B2	64324	TRUE	0.09	1.3013	1.341	0.086888
20966-7	SENP8	SENP8	Sentrin-specific protease 8	Q96LD8	SENP8	8	TRUE	0.07	0.1179	1.722	0.043254
20967-137	PSMG4	PSMG4	Proteasome assembly chaperone 4	Q5JS54	PSMG4	2	TRUE	0.06	0.0912	0.189	0.023287
20968-22	EXOS5	EXOS5	Exosome complex component RRP46	Q9NQ4	EXOSC5	56915	TRUE	0.14	0.1534	1.221	0.051145
20970-14	DBND1	DBND1	Dysbindin domain-containing protein 1	Q9H9R9	DBNDD1	79007	TRUE	0.08	0.0689	0.987	0.031108
20971-1	MSRB1	MSRB1	Methionine-R-sulfoxide reductase B1	Q9NZV6	MSRB1	51734	TRUE	0.11	0.1813	0.157	0.091323
20972-37	CPSF5	CPSF5	Cleavage and polyadenylation specificity factor subunit 5	O43809	NUDT21	11051	TRUE	0.06	0.0994	0.997	0.064927
20976-19	LSM3	LSM3	U6 snRNA-associated Sm-like protein LSM3	P62310	LSM3	27258	TRUE	0.07	0.114	0.42	0.057632
20977-2	PHLP	PHLP	Phosducin-like protein	Q13371	PDCL	5082	TRUE	0.11	0.1638	0.276	0.065893
20979-86	TF2B	TF2B	Transcription initiation factor IIB	Q00403	GTF2B	2959	TRUE	0.04	0.0838	0.552	0.084164
20982-29	SNR25	SNR25	U11/U12 small nuclear ribonucleoprotein 25 kDa protein	Q9BV90	SNRNP25	79622	TRUE	0.12	0.1581	0.454	0.063591
20984-142	DUS19	DUS19	Dual specificity protein phosphatase 19	Q8WTR2	DUSP19	9	TRUE	0.06	0.1314	2.447	0.065966
20986-58	EGLN3	EGLN3	Egl nine homolog 3	Q9H6Z9	EGLN3	9	TRUE	0.18	0.2452	0.762	0.072995
20987-21	SIX6	SIX6	Homeobox protein SIX6	O95475	SIX6	4990	TRUE	0.1	0.0961	0.507	0.047363
20988-63	RP9	RP9	Retinitis pigmentosa 9 protein	Q8TA86	RP9	6100	TRUE	0.07	0.2798	0.221	0.054993
20990-48	TEF	TEF	Thyrotroph embryonic factor	Q10587	TEF	7008	TRUE	0.11	0.151	0.316	0.084176
20991-2	LIMD2	LIMD2	LIM domain-containing protein 2	Q9BT23	LIMD2	80774	TRUE	0.16	0.0939	3.707	0.032244
20993-13	BEND6	BEND6	BEN domain-containing protein 6	Q5SZJ8	BEND6	6	TRUE	0.13	0.1475	0.483	0.079949
20995-47	RPB3	RPB3	DNA-directed RNA polymerase II subunit RPB3	P19387	POLR2C	5432	TRUE	0.07	0.1056	2.095	0.023865
20996-107	SDHF1	SDHF1	Succinate dehydrogenase assembly factor 1, mitochondrial	A6NFY7	SDHAF1	64409	TRUE	0.13	0.132	0.114	0.057181

20998-19	NRK2	NRK2	Nicotinamide riboside kinase 2; Short=NRK 2; Short=NmR-K 2; EC=2.7.1.22	Q9NPI5	NMRK2	27231	TRUE	0.16	0.3056	0.541	0.03587
20999-12	RL5	RL5	60S ribosomal protein L5	P46777	RPL5	6125	TRUE	0.08	0.1721	0.566	0.058201
21002-1	NUDC2	NUDC2	NudC domain-containing protein 2	Q8WVJ2	NUDCD2	13449	TRUE	0.08	0.1828	0.314	0.083366
21008-113	MGN	MGN	Protein mago nashi homolog	P61326	MAGOH	4116	TRUE	0.07	0.1585	0.337	0.05089
21009-28	SNTAN	SNTAN	Sentan	A6NMZ2	SNTN	13220	TRUE	0.08	0.1177	0.839	0.046043
21104-37	UBL5	UBL5	Ubiquitin-like protein 5	Q9BZL1	UBL5	59286	TRUE	0.41	0.8102	0.378	0.06846
21105-23	U119B	U119B	Protein unc-119 homolog B	A6NIH7	UNC119	84747	TRUE	0.17	0.4151	3.018	0.078985
21106-206	CETN1	CETN1	Centrin-1	Q12798	CETN1	1068	TRUE	0.09	0.173	1.265	0.067009
21107-5	CIA30	CIA30	Complex I intermediate-associated protein 30, mitochondrial	Q9Y375	NDUFAF1	51103	TRUE	0.08	0.1031	1.245	0.065506
21108-5	CSTP1	CSTP1	Uncharacterized metallophosphoesterase	Q9BRF8	CPPED1	55313	TRUE	0.12	0.1933	0.564	0.070405
21109-1	CFA36	CFA36	Cilia- and flagella-associated protein 36	Q96G28	CFAP36	11294	TRUE	0.14	0.2704	0.446	0.063516
21110-5	UBE2Z	UBE2Z	Ubiquitin-conjugating enzyme E2 Z	Q9H832	UBE2Z	65264	TRUE	0.09	0.1518	0.708	0.039127
21112-6	MLRS	MLRS	Myosin regulatory light chain 2, skeletal muscle isoform	Q96A32	MYLPF	29895	TRUE	0.17	0.1887	0.97	0.10138
21113-3	TIFA	TIFA	TRAF-interacting protein with FHA domain-containing protein A	Q96CG3	TIFA	92610	TRUE	0.07	0.1526	5.859	0.080124
21115-48	BN3D2	BN3D2	Pre-miRNA 5'-methyltransferase	Q7Z5W3	BCDIN3D	14423	TRUE	0.11	0.3071	0.576	0.075731
21118-48	GFRP	GFRP	GTP cyclohydrolase I feedback regulatory protein	P30047	GCHFR	2644	TRUE	0.1	0.2415	0.726	0.098232
21120-3	MIMIT	MIMIT	Mimitin, mitochondrial	Q8N183	NDUFAF2	91942	TRUE	0.1	0.1486	0.936	0.074121
21122-3	DBND2	DBND2	Dysbindin domain-containing protein 2	Q9BQY9	DBNDD2	55861	TRUE	0.1	0.2948	0.162	0.073548
21123-1	RM28	RM28	39S ribosomal protein L28, mitochondrial	Q13084	MRPL28	10573	TRUE	0.11	0.1275	0.322	0.074123
21124-17	YAED1	YAED1	Yae1 domain-containing protein 1	Q9NRH1	YAE1	57002	TRUE	0.05	0.13	3.016	0.066886

21126-27	GFPT1	GFPT1	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1	Q06210	GFPT1	2673	TRUE	0.24	0.3074	0.306	0.311804
21128-2	CDK2	CDK2	CDK2	P24941	CDK2	1017	TRUE	0.08	0.2578	0.38	0.098581
21129-95	MD2BP	MD2BP	MAD2L1-binding protein	Q15013	MAD2L1 BP	9587	TRUE	0.24	0.3181	0.224	0.084029
21130-82	ITPK1	ITPK1	Inositol-tetrakisphosphate 1-kinase	Q13572	ITPK1	3705	TRUE	0.22	0.1753	0.385	0.046094
21131-109	TYW5	TYW5	tRNA wybutosine-synthesizing protein 5	A2RUC4	TYW5	0	TRUE	0.08	0.1517	0.772	0.063656
21133-33	CMC4	CMC4	Cx9C motif-containing protein 4	P56277	CMC4	2147	TRUE	0.08	0.1879	0.268	0.055217
21135-16	SF3B6	SF3B6	Splicing factor 3B subunit 6	Q9Y3B4	SF3B6	51639	TRUE	0.07	0.1554	0.572	0.047486
21136-1	PSMG2	PSMG2	Proteasome assembly chaperone 2	Q969U7	PSMG2	56984	TRUE	0.18	0.2374	0.41	0.028941
21140-19	CAMLG	CAMLG	Calcium signal-modulating cyclophilin ligand	P49069	CAMLG	819	TRUE	0.15	0.0687	0.984	0.053747
21141-9	FA84B	FA84B	Protein FAM84B	Q96KN1	LRATD2	8	TRUE	0.14	0.198	0.388	0.046953
21143-10	Calcyphosin	Calcyphosin	Calcyphosin	Q13938	CAPS	828	TRUE	0.11	0.1884	0.561	0.055525
21144-160	SGK1	SGK1	Serine/threonine-protein kinase Sgk1	O00141	SGK1	6446	TRUE	0.14	0.2606	0.474	0.089531
21147-9	Fructosamine-3-kinase	Fructosamine-3-kinase	Fructosamine-3-kinase	Q9H479	FN3K	64122	TRUE	0.13	0.1846	0.694	0.039064
21149-27	CUED1	CUED1	CUE domain-containing protein 1	Q9NWM3	CUEDC1	40409	TRUE	0.07	0.1122	0.2	0.054336
21152-25	EYA2	EYA2	Eyes absent homolog 2	O00167	EYA2	2139	TRUE	0.22	0.3943	0.186	0.095613
21153-5	BAP18	BAP18	Chromatin complexes subunit BAP18	Q8IXM2	BAP18	4	TRUE	0.53	0.4111	0.921	0.08501
21154-8	CB39L	CB39L	Calcium-binding protein 39-like	Q9H9S4	CAB39L	81617	TRUE	0.08	0.2136	0.429	0.084849
21156-5	CHAC2	CHAC2	Putative glutathione-specific gamma-glutamylcyclotransferase 2	Q8WUX2	CHAC2	49414	TRUE	0.05	0.1261	0.406	0.047796
21157-6	HYKK	HYKK	Hydroxylysine kinase	A2RU49	HYKK	12368	TRUE	0.1	0.1938	1.585	0.08281
21161-16	MRM2	MRM2	rRNA methyltransferase 2, mitochondrial	Q9UI43	MRM2	29960	TRUE	0.13	0.2052	0.13	0.05399
21162-30	TBCEL	TBCEL	Tubulin-specific chaperone cofactor E-like protein	Q5QJ74	TBCEL	21989	TRUE	0.08	0.2261	0.401	0.102906

21163-21	TBC13	TBC13	TBC1 domain family member 13	Q9NVG8	TBC1D1 3	54662	TRUE	0.08	0.2808	0.779	0.020434
21166-1	CTDS1	CTDS1	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1	Q9GZU7	CTDSP1	58190	TRUE	0.08	0.2941	0.998	0.100043
21172-11	MESD1	MESD1	Mesoderm development candidate 1	Q9H1K6	TLNRD1	59274	TRUE	0.26	0.6203	0.252	0.085282
21178-8	CIAO1	CIAO1	Probable cytosolic iron-sulfur protein assembly protein CIAO1	O76071	CIAO1	9391	TRUE	0.15	0.1415	1.502	0.087212
21182-8	SEN15	SEN15	tRNA-splicing endonuclease subunit Sen15	Q8WW01	TSEN15	11646	TRUE	0.06	0.13	0.402	0.067284
21188-38	RWDD4	RWDD4	RWD domain-containing protein 4	Q6NW29	RWDD4	20196	TRUE	0.09	0.3135	0.844	0.086518
21189-9	NUBP1	NUBP1	Nucleotide-binding protein 1	P53384	NUBP1	4682	TRUE	0.17	0.2914	0.304	0.055085
21190-4	UBE2W	UBE2W	Ubiquitin-conjugating enzyme E2 W	Q96B02	UBE2W	55284	TRUE	0.07	0.3103	2.378	0.052936
21191-24	DUS21	DUS21	Dual specificity protein phosphatase 21	Q9H596	DUSP21	63904	TRUE	0.11	0.1255	2.801	0.075995
21193-1	TFB2M	TFB2M	Dimethyladenosine transferase 2, mitochondrial	Q9H5Q4	TFB2M	64216	TRUE	0.15	0.1822	0.525	0.082771
21194-39	PO6F1	PO6F1	POU domain, class 6, transcription factor 1	Q14863	POU6F1	5463	TRUE	0.31	0.179	0.551	0.050737
21204-70	DESI1	DESI1	Desumoylating isopeptidase 1	Q6ICB0	DESI1	27351	TRUE	0.13	0.1292	0.241	0.115666
21206-218	HAX1	HAX1	HCLS1-associated protein X-1	O00165	HAX1	10456	TRUE	0.14	0.179	1.032	0.048172
21207-1	COASY	COASY	Bifunctional coenzyme A synthase	Q13057	COASY	80347	TRUE	0.12	0.1408	0.234	0.058793
21217-20	PHB2	PHB2	Prohibitin-2	Q99623	PHB2	11331	TRUE	0.12	0.2026	0.348	0.055929
21219-7	RPAIN	RPAIN	RPA-interacting protein	Q86UA6	RPAIN	84268	TRUE	0.16	0.0487	0.279	0.041112
21220-11	SAR1B	SAR1B	GTP-binding protein SAR1b	Q9Y6B6	SAR1B	51128	TRUE	0.37	0.2686	0.306	0.066533
21221-67	Serp1n B9	B9	Serp1n	P50453	SERP1NB 9	5272	TRUE	0.08	0.2309	0.802	0.072071
21227-18	SULT1A1*2	1A1*2	Serp1n B9 SULT 1A1*2	P50225	SULT1A1	6817	TRUE	0.08	0.1443	0.987	0.047618
21229-5	TMIG2	TMIG2	Transmembrane and immunoglobulin domain-containing protein 2	Q96BF3	TMIGD2	12625	TRUE	0.07	0.1176	0.884	0.073664

21231-3	ACHA5	ACHA5	Neuronal acetylcholine receptor subunit alpha-5	P30532	CHRNA5	1138	TRUE	0.08	0.1336	0.449	0.082881
21232-39	BPSA	BPSA	Benign Prostate specific Antigen	P07288	KLK3	354	TRUE	0.11	0.1139	1.06	0.059267
21234-7	ASB-13	ASB-13	Ankyrin repeat and SOCS box protein 13	Q8W XK3	ASB13	79754	TRUE	0.22	1.0633	0.268	0.087266
21235-11	IMA6	IMA6	Importin subunit alpha-6 Transmembrane emp24 domain-containing protein	O15131	KPNA5	3841	TRUE	0.41	0.4435	0.816	0.087894
21236-12	TMED9	TMED9	9	Q9BVK6	TMED9	54732	TRUE	0.09	0.3389	0.242	0.062127
21237-24	PADI4	PADI4	Protein-arginine deiminase type-4	Q9UM07	PADI4	23569	TRUE	0.43	0.424	1.723	0.063298
21238-40	CK5P3	CK5P3	CDK5 regulatory subunit-associated protein 3	Q96JB5	CDK5RA P3	80279	TRUE	0.16	0.3415	0.314	0.102727
21239-31	CYH1	CYH1	Cytohesin-1	Q15438	CYTH1	9267	TRUE	0.14	0.1225	0.234	0.121749
21240-6	GCST	GCST	Aminomethyltransferase, mitochondrial	P48728	AMT	275	TRUE	0.08	0.149	0.808	0.077475
21241-1	NAT6	NAT6	N-acetyltransferase 6	Q93015	NAA80	24142	TRUE	0.1	0.1592	0.9	0.068652
21244-57	NPM1	NPM1	Nucleophosmin	P06748	NPM1	4869	TRUE	0.08	0.1944	0.221	0.132501
21249-115	DFFA	DFFA	DNA fragmentation factor subunit alpha	O00273	DFFA	1676	TRUE	0.13	0.2195	0.183	0.066235
21255-2	RGS16	RGS16	Regulator of G-protein signaling 16	O15492	RGS16	6004	TRUE	0.19	0.3163	0.191	0.089738
21260-74	RUXE	RUXE	Small nuclear ribonucleoprotein E	P62304	SNRPE	6635	TRUE	0.1	0.2527	0.263	0.068089
21271-53	AK1C2	AK1C2	Aldo-keto reductase family 1 member C2	P52895	AKR1C2	1646	TRUE	0.23	0.314	1.82	0.065679
21272-100	CN166	CN166	UPF0568 protein C14orf166	Q9Y224	RTRAF	51637	TRUE	0.1	0.279	1.062	0.100062
21280-13	T22D3	T22D3	TSC22 domain family protein 3	Q99576	TSC22D3	1831	TRUE	0.1	0.1625	0.236	0.082809
21281-13	CK2N2	CK2N2	Calcium/calmodulin-dependent protein kinase II inhibitor 2	Q96S95	CAMK2N 2	94032	TRUE	0.2	0.2263	0.213	0.097943
21286-29	RL11	RL11	60S ribosomal protein L11	P62913	RPL11	6135	TRUE	0.14	0.2842	0.159	0.058732
21290-66	HUS1	HUS1	Checkpoint protein HUS1	O60921	HUS1	3364	TRUE	0.15	0.1132	0.09	0.050824
21306-7	HAUS1	HAUS1	HAUS augmin-like complex subunit 1	Q96CS2	HAUS1	11510 6	TRUE	0.08	0.2046	1.457	0.035089
21308-44	DHRS4	DHRS4	Dehydrogenase/reductase SDR family member 4	Q9BTZ2	DHRS4	10901	TRUE	0.13	0.2269	0.505	0.06582
21310-37	MRT4	MRT4	mRNA turnover protein 4 homolog	Q9UKD2	MRTO4	51154	TRUE	0.1	0.0949	0.332	0.118351

21311-22	JDP2	JDP2	Jun dimerization protein 2	Q8WYK2	JDP2	3	TRUE	0.12	0.181	0.406	0.075328
21314-11	UBA5	UBA5	Ubiquitin-like modifier-activating enzyme 5	Q9GZZ9	UBA5	79876	TRUE	0.1	0.246	0.52	0.054743
21317-25	KBRS1	KBRS1	NF-kappa-B inhibitor-interacting Ras-like protein 1	Q9NYS0	NKIRAS1	28512	TRUE	0.08	0.1411	0.316	0.058983
21323-2	RWDD1	RWDD1	RWD domain-containing protein 1	Q9H446	RWDD1	51389	TRUE	0.12	0.1144	0.771	0.045523
21326-28	TBCC	TBCC	Tubulin-specific chaperone C	Q15814	TBCC	6903	TRUE	0.17	0.3783	0.338	0.042238
21327-12	MRI	MRI	Modulator of retrovirus infection homolog	Q9BWK5	CYREN	78996	TRUE	0.15	0.2481	0.129	0.100273
21328-2	SYT1	SYT1	Synaptotagmin-1	P21579	SYT1	6857	TRUE	0.08	0.1489	0.277	0.082244
21329-66	PHOP2	PHOP2	Pyridoxal phosphate phosphatase PHOSPHO2	Q8TCD6	PHOSPHO2	49391	TRUE	0.14	0.406	0.162	0.069175
21331-19	BCL7A	BCL7A	B-cell CLL/lymphoma 7 protein family member A	Q4VC05	BCL7A	605	TRUE	0.11	0.1766	0.692	0.068897
21339-19	ALAT2	ALAT2	Alanine aminotransferase 2	Q8TD30	GPT2	84706	TRUE	0.1	0.1626	0.177	0.067508
21341-19	CHM4A	CHM4A	Charged multivesicular body protein 4a	Q9BY43	CHMP4A	29082	TRUE	0.08	4.0759	0.629	0.049538
21342-25	RGS14	RGS14	Regulator of G-protein signaling 14	O43566	RGS14	10636	TRUE	0.1	0.1546	1.233	0.048205
21344-31	TFB1M	TFB1M	Dimethyladenosine transferase 1, mitochondrial	Q8WVM0	TFB1M	51106	TRUE	0.12	0.4267	5.355	0.043157
21345-93	RDH12	RDH12	Retinol dehydrogenase 12	Q96NR8	RDH12	6	TRUE	0.13	0.2655	0.328	0.094867
21348-22	TRPT1	TRPT1	tRNA 2'-phosphotransferase 1	Q86TN4	TRPT1	83707	TRUE	0.1	0.1615	0.796	0.051929
21349-2	STYX	STYX	Serine/threonine/tyrosine-interacting protein	Q8WUJ0	STYX	6815	TRUE	0.18	0.1367	0.435	0.040405
21351-8	Glycyl t-RNA synthetase	Glycyl t-RNA synthetase	Glycyl t-RNA synthetase	P41250	GARS1	2617	TRUE	0.09	2.0513	0.928	0.049736
21360-27	SPEC1	SPEC1	Sperm antigen with calponin homology and coiled-coil domains 1	Q5M775	SPECC1	92521	TRUE	0.11	0.1714	0.51	0.04486
21366-7	MSI2H	MSI2H	RNA-binding protein Musashi homolog 2	Q96DH6	MSI2	0	TRUE	0.09	0.2316	0.645	0.08467
21367-63	NRBF2	NRBF2	Nuclear receptor-binding factor 2	Q96F24	NRBF2	29982	TRUE	0.11	0.4724	1.145	0.087787
21369-15	RTCA	RTCA	RNA 3'-terminal phosphate cyclase	O00442	RTCA	8634	TRUE	0.17	0.4322	0.664	0.092185

21370-45	SKA1	SKA1	Spindle and kinetochore-associated protein 1	Q96BD8	SKA1	4	TRUE	0.16	0.2058	1.172	0.044239
21371-12	MINA	MINA	Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA	Q8IUF8	RIOX2	84864	TRUE	0.07	0.1427	0.25	0.030371
21373-8	QTRD1	QTRD1	Queuine tRNA-ribosyltransferase subunit	Q9H974	QTRT2	79691	TRUE	0.13	0.2798	0.222	0.141781
21375-34	R3GEF	R3GEF	Guanine nucleotide exchange factor for Rab-3A	Q8TBN0	RAB3IL1	5866	TRUE	0.1	0.0936	6.991	0.056003
21378-7	PNPT1	PNPT1	Polyribonucleotide nucleotidyltransferase 1, mitochondrial	Q8TCS8	PNPT1	87178	TRUE	0.09	0.1834	1.417	0.099051
21379-30	EKI2	EKI2	Ethanolamine kinase 2	Q9NVF9	ETNK2	55224	TRUE	0.14	0.2855	0.188	0.11128
21380-77	TGT	TGT	Queuine tRNA-ribosyltransferase	Q9BXR0	QTRT1	81890	TRUE	0.05	0.0744	0.808	0.072486
21382-70	RNZ1	RNZ1	Zinc phosphodiesterase ELAC protein 1	Q9H777	ELAC1	55520	TRUE	0.14	0.1625	2.886	0.061916
21383-37	SYNC	SYNC	Asparaginyl-tRNA synthetase, cytoplasmic	O43776	NARS1	4677	TRUE	0.13	0.205	0.867	0.038914
21384-2	Alpha-L-fucosidase I	Alpha-L-fucosidase I	Alpha-L-fucoside fucohydrolase	P04066	FUCA1	2517	TRUE	0.14	0.4286	0.367	0.116652
21385-5	SLIK2	SLIK2	SLIT and NTRK-like protein 2	Q9H156	SLITRK2	84631	TRUE	0.11	0.5857	0.207	0.159962
21389-32	STK3	STK3	Serine/threonine-protein kinase 3	Q13188	STK3	6788	TRUE	0.16	0.0909	0.252	0.063987
21390-68	L-dopachrome tautomerase	L-dopachrome tautomerase	L-dopachrome tautomerase	P40126	DCT	1638	TRUE	0.14	0.1472	0.743	0.11127
21391-17	b-CF	b-CF	Choriogonadotropin subunit beta 3	P0DN86	CGB3	1082	TRUE	0.09	0.1435	0.656	0.063381
21392-15	MAGD1	MAGD1	Melanoma-associated antigen D1	Q9Y5V3	MAGED1	9500	TRUE	0.09	0.0886	6.722	0.027685
21393-62	SAHH	SAHH	Adenosylhomocysteinase	P23526	AHCY	191	TRUE	0.2	0.1712	1.741	0.072498
21395-23	PCD17	PCD17	Protocadherin-17	O14917	PCDH17	27253	TRUE	0.28	0.6725	0.369	0.090086
21403-39	TSC2	TSC2	Tuberin	P49815	TSC2	7249	TRUE	0.06	0.1675	1.326	0.07849
21406-25	M3K11	M3K11	Mitogen-activated protein kinase kinase kinase 11	Q16584	MAP3K11	4296	TRUE	0.13	0.1785	0.231	0.057506

21429-50	THOP1	THOP1	Thimet oligopeptidase	P52888	THOP1	7064	TRUE	0.31	0.2862	0.18	0.037885
21430-4	cPLA2-alpha	cPLA2-alpha	Cytosolic phospholipase A2 alpha	P47712	PLA2G4A	5321	TRUE	0.11	0.3253	0.778	0.086999
21433-3	BT3A2	BT3A2	Butyrophilin subfamily 3 member A2	P78410	BTN3A2	11118	TRUE	0.08	0.099	0.265	0.023449
21435-143	SRPK2	SRPK2	Serine/threonine-protein kinase SRPK2	P78362	SRPK2	6733	TRUE	0.12	0.1003	0.571	0.050207
21436-56	ATG4A	ATG4A	Cysteine protease ATG4A	Q8WYN0	ATG4A	1	TRUE	0.07	0.1532	0.474	0.060197
21437-77	MGMT	MGMT	Methylated-DNA--protein-cysteine methyltransferase	P16455	MGMT	4255	TRUE	0.08	0.1393	0.94	0.106981
21438-45	TRIM5	TRIM5	Tripartite motif-containing protein 5	Q9C035	TRIM5	85363	TRUE	0.12	0.3928	0.308	0.068445
21439-37	HCLS1	HCLS1	Hematopoietic lineage cell-specific protein	P14317	HCLS1	3059	TRUE	0.09	0.1124	0.708	0.079529
21440-9	ADAM-8	ADAM-8	ADAM 8	P78325	ADAM8	101	TRUE	0.06	0.136	2.475	0.059329
21441-20	gp75	gp75	gp75	P17643	TYRP1	7306	TRUE	0.11	0.1713	0.26	0.021508
21445-40	Neddylin	Neddylin	Ubiquitin-like protein Nedd8	Q15843	NEDD8	4738	TRUE	0.09	0.1103	0.628	0.080291
21450-333	Caspase-10	Caspase-10:region 2	Caspase-10:region 2	Q92851	CASP10	843	TRUE	0.18	0.1995	0.36	0.053893
21452-3	DNM1L	DNM1L	Dynamin-1-like protein	O00429	DNM1L	10059	TRUE	0.24	0.2164	0.275	0.050555
21457-141	CQ10A	CQ10A	Coenzyme Q-binding protein COQ10 homolog A, mitochondrial	Q96MF6	COQ10A	93058	TRUE	0.09	0.1595	0.603	0.06798
21475-137	TXNL1	TXNL1	Thioredoxin-like protein 1	O43396	TXNL1	9352	TRUE	0.06	0.1886	1.778	0.053504
21477-105	MAEA	MAEA	Macrophage erythroblast attacher	Q7L5Y9	MAEA	10296	TRUE	0.12	0.1571	0.357	0.070071
21478-20	SMAD5	SMAD5	SMAD5	Q99717	SMAD5	4090	TRUE	0.15	0.6301	0.934	0.070712
21480-2	CD82 antigen	CD82 antigen	CD82 antigen	P27701	CD82	3732	TRUE	0.09	0.1173	2.368	0.074719
21483-155	KAPO	KAPO	cAMP-dependent protein kinase type I-alpha regulatory subunit	P10644	PRKAR1A	5573	TRUE	0.18	0.2239	0.915	0.064935
21487-20	BL1S6	BL1S6	Biogenesis of lysosome-related organelles complex 1 subunit 6	Q9UL45	BLOC1S6	26258	TRUE	0.11	0.0889	4.474	0.046125
21491-7	VAP-1	VAP-1	Vascular adhesion protein-1	Q16853	AOC3	8639	TRUE	0.09	0.1536	0.264	0.074881

21492-19	CLUL1	CLUL1	Clusterin-like protein 1	Q15846	CLUL1	27098	TRUE	0.13	0.1772	0.262	0.054738
21495-134	GPR37	GPR37	Prosaposin receptor GPR37	O15354	GPR37	2861	TRUE	0.22	0.3189	0.35	0.07878
21497-32	HYOU1	HYOU1	Hypoxia up-regulated protein 1	Q9Y4L1	HYOU1	10525	TRUE	0.12	0.6889	0.156	0.055436
21498-3	AL7A1	AL7A1	Alpha-aminoadipic semialdehyde dehydrogenase	P49419	ALDH7A1	501	TRUE	0.09	0.5315	0.173	0.085771
21499-17	COQ7	COQ7	5-demethoxyubiquinone hydroxylase, mitochondrial	Q99807	COQ7	10229	TRUE	0.14	0.1363	0.271	0.127594
21503-12	TSHR	TSHR	Thyrotropin receptor	P16473	TSHR	7253	TRUE	0.08	0.1202	1.025	0.099306
21504-41	I2C2	I2C2	Eukaryotic translation initiation factor 2C 2	Q9UKV8	AGO2	27161	TRUE	0.14	0.3306	0.365	0.096632
21507-48	COMD8	COMD8	COMM domain-containing protein 8	Q9NX08	COMMD8	54951	TRUE	0.1	0.1435	0.14	0.061702
21508-7	SIA8A	SIA8A	Alpha-N-acetylneuraminide alpha-2,8-sialyltransferase Glycosyltransferase 8	Q92185	ST8SIA1	6489	TRUE	0.23	0.0717	0.198	0.107175
21509-29	GL8D2	GL8D2	domain-containing protein 2	Q9H1C3	GLT8D2	83468	TRUE	0.09	0.0873	2.468	0.063853
21510-24	GRK5	GRK5	G protein-coupled receptor kinase 5	P34947	GRK5	2869	TRUE	0.11	0.1823	0.568	0.063818
21512-6	EDEM2	EDEM2	ER degradation-enhancing alpha-mannosidase-like 2	Q9BV94	EDEM2	55741	TRUE	0.16	0.1691	0.988	0.096
21513-1	Caspase-7	Caspase-7	Caspase-7	P55210	CASP7	840	TRUE	0.14	0.1965	0.183	0.061372
21514-1	GP1BB	GP1BB	Platelet glycoprotein Ib beta chain	P13224	GP1BB	2812	TRUE	0.23	0.3373	0.996	0.043224
21515-61	AACS	AACS	Acetoacetyl-CoA synthetase	Q86V21	AACS	65985	TRUE	0.14	0.0816	1.469	0.041487
21521-17	TPH1	TPH1	Tryptophan 5-hydroxylase 1	P17752	TPH1	7166	TRUE	0.09	0.1051	0.578	0.044743
21523-71	ILKAP	ILKAP	Integrin-linked kinase-associated serine/threonine phosphatase 2C	Q9H0C8	ILKAP	80895	TRUE	0.11	0.2183	0.25	0.067156
21524-14	UBP5	UBP5	Ubiquitin carboxyl-terminal hydrolase 5	P45974	USP5	8078	TRUE	0.17	0.2592	0.294	0.042834
21526-88	egg fusion protein 1	egg fusion protein 1	Izumo sperm-egg fusion protein 1	Q8IYV9	IZUMO1	28435	TRUE	0.24	0.2269	1.023	0.059441
21528-12	BMF	BMF	Bcl-2-modifying factor	Q96LC9	BMF	90427	TRUE	0.08	0.2223	0.37	0.048409

21529-6	UBS3A	UBS3A	Ubiquitin-associated and SH3 domain-containing protein A	P57075	UBASH3	A	53347	TRUE	0.11	0.151	0.623	0.133084
21533-51	LSP1	LSP1	Lymphocyte-specific protein 1	P33241	LSP1		4046	TRUE	0.15	0.1619	0.24	0.02835
21535-5	AASD1	AASD1	Alanyl-tRNA editing protein Aarsd1	Q9BTE6	AARSD1		10088	TRUE	0.23	0.3642	0.218	0.077431
21536-65	CPLX3	CPLX3	Complexin-3	Q8WVH0	CPLX3		5	TRUE	0.1	0.1505	0.936	0.057172
21537-33	SCLY	SCLY	Selenocysteine lyase	Q96I15	SCLY		51540	TRUE	0.08	0.1428	0.483	0.041234
21539-139	SYT6	SYT6	Synaptotagmin-6	Q5T7P8	SYT6		1	TRUE	0.11	0.1695	0.611	0.017071
21540-73	BIN2	BIN2	Bridging integrator 2	Q9UBW5	BIN2		51411	TRUE	0.08	0.0664	0.826	0.029119
21544-4	ATLA3	ATLA3	Atlastin-3	Q6DD88	ATL3		25923	TRUE	0.17	0.1604	0.27	0.09543
21546-20	AGRD1	AGRD1	Adhesion G-protein coupled receptor D1	Q6QNK2	ADGRD1		28338	TRUE	0.1	0.0873	0.301	0.057091
21547-6	DMP4	DMP4	Dentin matrix protein 4	Q8IXL6	FAM20C		56975	TRUE	0.11	0.1562	0.167	0.144563
21548-20	GGT5	GGT5	Gamma-glutamyltransferase 5	P36269	GGT5		2687	TRUE	0.07	0.0836	0.172	0.069269
21549-144	TECTB	TECTB	Beta-tectorin	Q96PL2	TECTB		6975	TRUE	0.09	0.1437	2.67	0.051297
21552-9	ACOX1	ACOX1	Peroxisomal acyl-coenzyme A oxidase 1	Q15067	ACOX1		51	TRUE	0.16	0.1169	1.093	0.094675
21555-17	FAM3A	FAM3A	Protein FAM3A	P98173	FAM3A		60343	TRUE	0.34	0.2738	0.225	0.077953
21562-3	SG1D1	SG1D1	Secretoglobin family 1D member 1	O95968	SCGB1D		1	TRUE	0.18	0.2137	0.222	0.068286
21563-3	sPLA(2)-XII	sPLA(2)-XII	sPLA(2)-XII	Q9BZM1	PLA2G12	A	81579	TRUE	0.06	0.1244	0.6	0.057692
21567-214	C1QT4	C1QT4	Complement C1q tumor necrosis factor-related protein 4	Q9BXJ3	C1QTNF		11490	TRUE	0.09	0.1	0.83	0.056263
21569-49	STK10	STK10	Serine/threonine kinase 10	O94804	STK10		6793	TRUE	0.16	0.2999	0.491	0.103791
21577-35	FKBP5	FKBP5	FK506-binding protein 5	Q13451	FKBP5		2289	TRUE	0.1	0.1758	0.52	0.053821
21579-35	MYPC3	MYPC3	Myosin-binding protein C, cardiac-type	Q14896	MYBPC3		4607	TRUE	0.08	0.1408	0.814	0.074025
21581-87	CDK15	CDK15	Cyclin-dependent kinase 15; EC=2.7.11.22	Q96Q40	CDK15		65061	TRUE	0.19	0.1787	0.202	0.119849
21583-14	RL26L	RL26L	60S ribosomal protein L26-like 1	Q9UNX3	RPL26L1		51121	TRUE	0.21	0.9583	0.472	0.121667
21589-80	DPPA4	DPPA4	Developmental pluripotency-associated protein 4	Q7L190	DPPA4		55211	TRUE	0.19	0.0874	1.447	0.066726
21595-8	CCD43	CCD43	Coiled-coil domain-containing protein 43	Q96MW	CCDC43		12480	TRUE	0.18	0.3879	0.203	0.071223

21599-6	CGL	CGL	Cystathionine gamma-lyase	P32929	CTH	1491	TRUE	0.11	0.211	1.051	0.104826
21600-10	CNBP1	CNBP1	Beta-catenin-interacting protein 1	Q9NSA3	CTNNBIP 1	56998	TRUE	0.11	0.2563	0.388	0.066161
21604-2	CUTA	CUTA	Protein CutA	O60888	CUTA	51596	TRUE	0.09	0.1432	0.138	0.040705
21624-64	KBRS2	KBRS2	NF-kappa-B inhibitor-interacting Ras-like protein 2	Q9NYR9	NKIRAS2	28511	TRUE	0.16	0.1533	0.136	0.06115
21628-6	MCA3	MCA3	Eukaryotic translation elongation factor 1 epsilon-1	O43324	EEF1E1	9521	TRUE	0.12	0.1672	0.449	0.065291
21636-63	NCBP2	NCBP2	Nuclear cap-binding protein subunit 2	P52298	NCBP2	22916	TRUE	0.17	0.1788	0.143	0.074678
21638-5	PPIL3	PPIL3	Peptidyl-prolyl cis-trans isomerase-like 3	Q9H2H8	PPIL3	53938	TRUE	0.09	0.2004	4.513	0.07414
21643-8	RS20	RS20	40S ribosomal protein S20	P60866	RPS20	6224	TRUE	0.09	0.2615	0.312	0.121608
21645-6	SNIP1	SNIP1	Smad nuclear-interacting protein 1	Q8TAD8	SNIP1	79753	TRUE	0.11	0.2184	0.397	0.066334
21649-12	STX17	STX17	Syntaxin-17	P56962	STX17	55014	TRUE	0.07	0.1254	2.149	0.082355
21651-9	TXN4A	TXN4A	Thioredoxin-like protein 4A	P83876	TXNL4A	10907	TRUE	0.2	0.2144	0.381	0.059304
21653-205	URM1	URM1	Ubiquitin-related modifier 1	Q9BTM9	URM1	81605	TRUE	0.1	0.2089	0.197	0.06473
21655-18	FOPNL	FOPNL	LisH domain-containing protein FOPNL	Q96NB1	CEP20	12381 1	TRUE	0.16	0.1556	0.284	0.095314
21658-15	PHB2	PHB2	Prohibitin-2	Q99623	PHB2	11331	TRUE	0.11	0.1407	0.322	0.046973
21660-4	SAR1B	SAR1B	GTP-binding protein SAR1b	Q9Y6B6	SAR1B	51128	TRUE	0.08	0.1252	0.234	0.079204
21661-82	DMP4	DMP4	Dentin matrix protein 4	Q8IXL6	FAM20C	56975	TRUE	0.1	0.1144	0.159	0.066238
21663-149	SIA8A	SIA8A	Alpha-N-acetylneuraminide alpha-2,8-sialyltransferase	Q92185	ST8SIA1	6489	TRUE	0.16	0.2341	0.166	0.041636
21664-6	H2AY	H2AY	Core histone macro-H2A.1	O75367	MACRO H2A1	9555	TRUE	0.11	0.1289	0.767	0.061212
21667-57	PDE1B	PDE1B	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1B	Q01064	PDE1B	5153	TRUE	0.1	0.1935	0.812	0.15146
21670-52	WWP2	WWP2	NEDD4-like E3 ubiquitin-protein ligase WWP2	O00308	WWP2	11060	TRUE	0.12	0.1666	0.858	0.067845
21674-132	Butyrophilin 1A1	Butyrophilin 1A1	Butyrophilin subfamily 1 member A1	Q13410	BTN1A1	696	TRUE	0.12	0.1741	0.743	0.068078

21676-17	PAI-2	PAI-2	PAI-2	P05120	SERPINB 2	5055	TRUE	0.1	0.1264	0.211	0.072159
21679-16	CAD20	CAD20	Cadherin-20	Q9HBT6	CDH20	28316	TRUE	0.15	0.2303	0.211	0.046405
21681-10	ADAM 28	ADAM 28	ADAM 28	Q9UKQ2	ADAM28	10863	TRUE	0.05	0.0949	0.152	0.054395
21685-29	DCC	DCC	DCC	P43146	DCC	1630	TRUE	0.09	0.105	0.456	0.076594
21687-3	PPR29	PPR29	Protein phosphatase 1 regulatory subunit 29	Q5R3F8	ELFN2	4	TRUE	0.09	0.1491	1.104	0.151152
21688-50	VLA-4	VLA-4	Very Late Antigen-4	P05556	ITGB1 IT	3688					
21690-31	LRRC4	LRRC4	Leucine-rich repeat-containing protein 4	P13612	GA4	3676	TRUE	0.09	0.0903	0.369	0.065951
21691-27	LRFN3	LRFN3	Leucine-rich repeat and fibronectin type-III domain-containing protein 3	Q9BTN0	LRFN3	79414	TRUE	0.09	0.1738	5.846	0.052001
21692-12	CD8A/CD8B Complex	CD8A/C8B Complex	CD8A/CD8B Complex	P10966	CD8B C	926 925	TRUE	0.06	0.1664	0.365	0.091667
21696-80	LRFN4	LRFN4	Leucine-rich repeat and fibronectin type-III domain-containing protein 4	Q6PJG9	LRFN4	78999	TRUE	0.09	0.1103	0.208	0.076774
21697-57	AGRF2	AGRF2	Adhesion G-protein coupled receptor F2	Q8IZF7	ADGRF2	1	TRUE	0.09	0.093	0.905	0.074268
21698-11	Integrin a11b1	Integrin a11b1	Integrin a11b1	P05556	ITGB1 IT	3688					
21703-31	Activin RIA	Activin RIA	Activin RIA	Q9UKX5	GA11	22801	TRUE	0.09	0.2053	0.296	0.039128
21704-8	PCD12	PCD12	Protocadherin-12	Q04771	ACVR1	90	TRUE	0.42	0.5255	2.192	0.14572
21705-33	METRL	METRL	Meteorin-like protein Leukocyte immunoglobulin-like receptor subfamily A member 1	Q9NPG4	PCDH12	51294	TRUE	0.12	0.3045	1	0.077115
21706-29	LIRA1	LIRA1	Complement C1q-like protein 3	Q641Q3	METRNL	7	TRUE	0.09	0.1003	0.163	0.086536
21707-15	C1QL3	C1QL3	IgG receptor FcRn large subunit p51	O75019	LILRA1	11024	TRUE	0.09	0.1349	0.311	0.105907
21708-149	FCGRN	FCGRN	Ubiquitin-conjugating enzyme E2 Q2	Q5VWW		38994					
21713-11	RELN	RELN	Alpha-(1,3)-fucosyltransferase 11	1	C1QL3	1	TRUE	0.15	0.2495	0.27	0.056379
21717-44	UB2Q2	UB2Q2	Carbohydrate sulfotransferase 10	Q9UKX5	FCGRT	2217	TRUE	0.09	0.1373	0.361	0.087252
21720-13	FUT11	FUT11	Carbohydrate sulfotransferase 10	P55899	FCGRT	2217	TRUE	0.09	0.1373	0.361	0.087252
21721-6	CHSTA	CHSTA	Carbohydrate sulfotransferase 10	P78509	RELN	5649	TRUE	0.39	0.1677	0.225	0.063994
				Q8WVN8	UBE2Q2	92912	TRUE	0.1	0.1142	0.466	0.027156
				Q495W5	FUT11	4	TRUE	0.11	0.1375	4.221	0.07869
				O43529	CHST10	9486	TRUE	0.1	0.0953	0.139	0.049415

21722-21	GALT4	GALT4	Polypeptide N-acetylgalactosaminyltransferase 4	Q8N4A0	GALNT4	8030	10052	TRUE	0.09	0.1252	0.799	0.039574
21724-22	GALNS	GALNS	N-acetylgalactosamine-6-sulfatase	P34059	GALNS	2588		TRUE	0.07	0.5186	0.449	0.079432
21726-73	SIA7D	SIA7D	Alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3-N-acetyl-galactosaminide alpha-2,6-sialyltransferase	Q9H4F1	ST6GAL	27090		TRUE	0.07	0.194	0.658	0.067355
21727-15	UB2Q1	UB2Q1	Ubiquitin-conjugating enzyme E2 Q1	Q7Z7E8	UBE2Q1	55585		TRUE	0.08	0.1721	1.036	0.071815
21728-4	UBP2	UBP2	Ubiquitin carboxyl-terminal hydrolase 2	O75604	USP2	9099		TRUE	0.13	0.09	1.063	0.0947
21730-56	UBP19	UBP19	Ubiquitin carboxyl-terminal hydrolase 19	O94966	USP19	10869		TRUE	0.23	0.0651	0.441	0.064418
21732-78	UB2Q1	UB2Q1	Ubiquitin-conjugating enzyme E2 Q1	Q7Z7E8	UBE2Q1	55585		TRUE	0.12	0.1583	0.886	0.115723
21734-36	C1GLT/C1 GLC Complex	C1GLT/C1 GLC Complex	C1GLT/C1GLC Complex	Q96EU7 Q9NS00	C1GALT1 C1 C1G ALT1	29071 5691 3		TRUE	0.1	0.1618	0.256	0.274942
21736-60	HS2ST	HS2ST	Heparan sulfate 2-O-sulfotransferase 1	Q7LGA3	HS2ST1	9653		TRUE	0.12	0.1426	0.282	0.099288
21737-20	SIAT2	SIAT2	Beta-galactoside alpha-2,6-sialyltransferase 2	Q96JF0	ST6GAL2	84620		TRUE	0.06	0.1012	1.609	0.090907
21739-7	GLCNE	GLCNE	Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase	Q9Y223	GNE	10020		TRUE	0.14	0.2235	2.042	0.057851
21740-26	UBP1	UBP1	Ubiquitin carboxyl-terminal hydrolase 1	O94782	USP1	7398		TRUE	0.11	0.1181	0.392	0.066415
21742-43	OTU7B	OTU7B	OTU domain-containing protein 7B	Q6GQQ9	OTUD7B	56957		TRUE	0.06	0.167	0.569	0.078458
21743-1	WDR48	WDR48	WD repeat-containing protein 48	Q8TAF3	WDR48	57599		TRUE	0.25	0.1443	0.676	0.044528
21746-13	UBP10	UBP10	Ubiquitin carboxyl-terminal hydrolase 10	Q14694	USP10	9100		TRUE	0.1	0.1216	0.17	0.098234
21747-114	UBE2N/U B2V1 Complex	UBE2N/ UB2V1 Complex	UBE2N (Ubc13)/Uev1a Complex	Q13404 P61088	UBE2V1 UBE2N	38752 2 733 4		TRUE	0.17	0.2172	0.456	0.063237
21747-8	UBE2N/U B2V1 Complex	UBE2N/ UB2V1 Complex	UBE2N (Ubc13)/Uev1a Complex	Q13404 P61088	UBE2V1 UBE2N	38752 2 733 4		TRUE	0.11	3.5914	0.644	0.067665
21748-36	UBP46/W DR48 Complex	UBP46/ WDR48 Complex	UBP46/WDR48 Complex	Q8TAF3 P62068	WDR48 USP46	57599 6485 4		TRUE	0.1	0.2332	0.274	0.077567

21751-6	USP12/WDR48 Complex	USP12/WDR48 Complex	USP12/WDR48 Complex	Q8TAF3 O75317	WDR48 USP12	57599 21933	33	TRUE	0.34	0.429	0.287	0.058727
21752-10	MIRO1	MIRO1	Mitochondrial Rho GTPase 1	Q8IXI2	RHOT1	55288	TRUE	0.15	0.0952	0.892	0.047139	
21754-5	ZRAN1	ZRAN1	Ubiquitin thioesterase ZRANB1	Q9UGI0	ZRANB1	54764	TRUE	0.09	0.1658	0.814	0.07269	
21755-27	UBP12	UBP12	Ubiquitin carboxyl-terminal hydrolase 12	O75317	USP12	21933	3	TRUE	0.09	0.1977	0.689	0.093679
21756-5	UBE2N/UBE2V2 Complex	UBE2N/UBE2V2 Complex	UBE2N/UBE2V2 Complex	Q15819 P61088	UBE2V2 UBE2N	7336 7334	TRUE	0.3	4.2564	0.67	0.088568	
21757-49	UBP22	UBP22	Ubiquitin carboxyl-terminal hydrolase 22	Q9UPT9	USP22	23326	TRUE	0.07	0.1753	0.328	0.055296	
21758-65	SENP2	SENP2	Sentrin-specific protease 2	Q9HC62	SENP2	59343	TRUE	0.16	0.3237	0.501	0.092507	
21760-22	UBE1	UBE1	Ubiquitin-activating enzyme E1	P22314	UBA1	7317	TRUE	0.17	0.3795	0.825	0.067897	
21761-213	UBP46	UBP46	Ubiquitin carboxyl-terminal hydrolase 46	P62068	USP46	64854	TRUE	0.11	0.0897	0.611	0.063211	
21763-46	UBP4	UBP4	Ubiquitin carboxyl-terminal hydrolase 4	Q13107	USP4	7375	TRUE	0.1	0.1387	0.906	0.051959	
21764-99	UBP30	UBP30	Ubiquitin carboxyl-terminal hydrolase 30	Q70CQ3	USP30	84749	TRUE	0.06	0.1413	1.269	0.063057	
21765-10	CYLD	CYLD	Ubiquitin carboxyl-terminal hydrolase CYLD	Q9NQC7	CYLD	1540	TRUE	0.08	0.11	0.827	0.078083	
21766-50	SPHM	SPHM	N-sulphoglucosamine sulphohydrolase	P51688	SGSH	6448	TRUE	0.1	0.0831	0.381	0.059695	
21767-129	GLT14	GLT14	Polypeptide N-acetylgalactosaminyltransferase 14	Q96FL9	GALNT1	4	79623	TRUE	0.09	0.1604	0.362	0.088641
21768-9	MGT5A	MGT5A	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A	Q09328	MGAT5	4249	TRUE	0.1	0.0759	0.153	0.075866	
21769-10	XYLB	XYLB	Xylulose kinase	O75191	XYLB	9942	TRUE	0.13	0.1408	0.425	0.05746	
21770-18	B3GA1	B3GA1	Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1	Q9P2W7	B3GAT1	27087	TRUE	0.09	0.1309	0.659	0.079289	
21771-47	MGAT3	MGAT3	Beta-1,4-mannosylglycoprotein 4-beta-N-acetylglucosaminyltransferase	Q09327	MGAT3	4248	TRUE	0.05	0.0776	0.237	0.027444	
21780-15	ABHD4	ABHD4	Protein ABHD4	Q8TB40	ABHD4	63874	TRUE	0.19	0.2255	0.353	0.116486	

21781-9	ACY3	ACY3	Aspartoacylase-2	Q96HD9	ACY3	91703	TRUE	0.08	0.0975	0.272	0.044219
21786-25	CDKL2	CDKL2	Cyclin-dependent kinase-like 2	Q92772	CDKL2	8999	TRUE	0.16	0.6741	0.327	0.113553
21793-4	FR1OP	FR1OP	FGFR1 oncogene partner	O95684	CEP43	11116	TRUE	0.13	0.123	0.187	0.06109
21796-43	Glutathione peroxidase 3	Glutathione peroxidase 3	Glutathione peroxidase 3	P22352	GPX3	2878	TRUE	0.09	0.1989	0.157	0.181484
21797-4	HLA-C	HLA-C	HLA-C	P10321	HLA-C	3107	TRUE	0.09	0.1679	0.706	0.112074
21799-15	HOME3	HOME3	Homer protein homolog 3	Q9NSC5	HOMER3	9454	TRUE	0.16	0.0943	0.183	0.067218
21802-53	NEIL1	NEIL1	Endonuclease 8-like 1	Q96FI4	NEIL1	79661	TRUE	0.12	0.1693	0.305	0.034625
21804-15	KHDCL	KHDCL	Putative KHDC1-like protein	Q5JSQ8	KHDC1L	9128	TRUE	0.2	0.1129	0.182	0.052752
21810-50	MART-1	MART-1	MART-1	Q16655	MLANA	2315	TRUE	0.15	0.1207	0.165	0.096708
21813-171	MGT5A	MGT5A	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A	Q09328	MGAT5	4249	TRUE	0.13	0.1691	0.159	0.057352
21814-13	MMAD	MMAD	Methylmalonic aciduria and homocystinuria type D protein, mitochondrial	Q9H3L0	MMADH C	27249	TRUE	0.18	0.1346	0.142	0.065556
21815-7	MOB3B	MOB3B	MOB kinase activator 3B	Q86TA1	MOB3B	79817	TRUE	0.15	0.1138	1.135	0.085469
21817-5	MYL9	MYL9	Myosin, light chain 9, regulatory	P24844	MYL9	10398	TRUE	0.09	0.2007	0.773	0.052013
2182-54	C4b	C4b	Complement C4b	POCOL5 POCOL4	C4B C4A	720	TRUE	0.1	0.3627	0.26	0.079844
21821-9	PAL4D	PAL4D	Peptidyl-prolyl cis-trans isomerase A-like 4D	F5H284	PPIAL4D	2	TRUE	0.08	0.1573	0.669	0.080773
21823-5	PPM1G	PPM1G	Protein phosphatase 1G	O15355	PPM1G	5496	TRUE	0.11	0.2057	0.169	0.079939
21827-7	RHOQ	RHOQ	Rho-related GTP-binding protein RhoQ	P17081	RHOQ	23433	TRUE	0.24	0.2359	0.503	0.072697
21828-6	RPN2	RPN2	Ribophorin II	P04844	RPN2	6185	TRUE	0.17	0.0963	0.234	0.113711
21829-8	RS12	RS12	40S ribosomal protein S12 silent mating type	P25398	RPS12	6206	TRUE	0.18	0.1323	0.235	0.108229
21833-6	sirtuin	sirtuin	information regulation 2 homolog	Q8N6T7	SIRT6	51548	TRUE	0.14	0.1248	0.614	0.057832
21834-8	SNF8	SNF8	Vacuolar-sorting protein SNF8	Q96H20	SNF8	11267	TRUE	0.12	0.1175	1.299	0.040702

21836-9	SSR1	SSR1	Somatostatin receptor type 1	P30872	SSTR1	6751	TRUE	0.09	0.098	0.726	0.109883
21837-3	SSRB	SSRB	Translocon-associated protein subunit beta	P43308	SSR2	6746	TRUE	0.12	0.1034	0.59	0.042517
21839-3	OBF1	OBF1	POU domain class 2-associating factor 1	Q16633	POU2AF1	5450	TRUE	0.12	0.2691	2.422	0.089294
21848-18	UB2R2	UB2R2	Ubiquitin-conjugating enzyme E2 R2	Q712K3	UBE2R2	54926	TRUE	0.26	0.1661	0.216	0.053901
21849-2	UBQL3	UBQL3	Ubiquilin-3	Q9H347	UBQLN3	50613	TRUE	0.15	0.1565	0.347	0.059008
21853-3	CLC1A	CLC1A	CLEC-1	Q8NC01	CLEC1A	51267	TRUE	0.11	0.105	0.786	0.061546
21856-59	KHK	KHK	Ketohexokinase	P50053	KHK	3795	TRUE	0.15	0.0935	0.199	0.044363
21857-26	RACK1	RACK1	Guanine nucleotide-binding protein subunit beta-2-like 1	P63244	RACK1	10399	TRUE	0.29	0.3065	0.572	0.074708
21858-25	SIAH1	SIAH1	E3 ubiquitin-protein ligase SIAH1	Q8IUQ4	SIAH1	6477	TRUE	0.05	0.1104	0.384	0.064259
21861-8	PSB10	PSB10	Proteasome subunit beta type-10	P40306	PSMB10	5699	TRUE	0.19	0.1621	0.187	0.082086
21862-145	LASP-1	LASP-1	LIM and SH3 domain protein 1	Q14847	LASP1	3927	TRUE	0.1	0.1609	0.901	0.115034
21863-11	NUBP2	NUBP2	Cytosolic Fe-S cluster assembly factor NUBP2	Q9Y5Y2	NUBP2	10101	TRUE	0.19	0.1529	0.434	0.034456
21864-20	MAK16	MAK16	Protein MAK16 homolog	Q9BXY0	MAK16	84549	TRUE	0.18	0.3023	0.189	0.050156
21875-31	ZFAN3	ZFAN3	AN1-type zinc finger protein 3	Q9H8U3	ZFAND3	60685	TRUE	0.09	0.202	6.525	0.092317
21876-266	PICK1	PICK1	PRKCA-binding protein	Q9NRD5	PICK1	9463	TRUE	0.1	0.1212	1.127	0.069343
21883-17	BMP-5	BMP-5	Bone morphogenetic protein 5	P22003	BMP5	653	TRUE	0.12	0.1573	0.295	0.100629
21887-2	CBLN2	CBLN2	Cerebellin-2	Q8IUQ8	CBLN2	14738	TRUE	0.1	0.1402	0.292	0.080188
21889-2	CG024	CG024	Uncharacterized protein C7orf24	O75223	GGCT	79017	TRUE	0.06	0.0576	0.237	0.050615
21895-36	IFNL4	IFNL4	Interferon lambda-4	K9M1U5	IFNL4	10118	TRUE	0.09	0.1248	1.072	0.049208
21897-4	IL-17/IL-17F	IL-17/IL-17F	IL-17/IL-17F	Q96PD4 Q16552	IL17F IL17A	4 360	TRUE	0.1	0.0916	3.947	0.05208
21899-36	inhibin A	inhibin A	inhibin A	P08476 P05111	INHBA INHBA	3624 3623	TRUE	0.14	0.1322	0.503	0.096296
2190-55	Coagulation Factor XI	Coagulation Factor XI	Coagulation Factor XI	P03951	F11	2160	TRUE	0.09	0.1656	0.182	0.059745
21901-14	Integrin a3b1	Integrin a3b1	Integrin a3b1	P05556 P26006	ITGB1 ITGA3	3688 3675	TRUE	0.16	0.1977	0.66	0.049314

21905-10	Integrin alpha-2/b1	Integrin alpha-2/b1	Integrin alpha-2/b1	P05556 P17301	ITGB1 ITGA2	3688 3673	TRUE	0.12	0.0951	0.855	0.099106
21909-10	Integrin a5b1	Integrin a5b1	Integrin a5b1	P05556 P08648	ITGB1 ITGA5	3688 3678	TRUE	0.11	0.2406	0.122	0.122062
21909-2	Integrin a5b1	Integrin a5b1	Integrin a5b1	P05556 P08648	ITGB1 ITGA5	3688 3678	TRUE	0.11	0.1734	1.376	0.07226
21911-17	NDP	NDP	Norrin	Q00604	NDP	4693	TRUE	0.07	0.0837	0.483	0.047108
21913-5	TYY2	TYY2	Transcription factor YY2	O15391	YY2	1	TRUE	0.12	0.1949	0.199	0.035684
21916-82	OTUL	OTUL	Ubiquitin thioesterase otulin	Q96BN8	OTULIN	90268	TRUE	0.16	0.1723	0.132	0.091871
2192-63	CTACK	CTACK	C-C motif chemokine 27	Q9Y4X3	CCL27	10850	TRUE	0.09	0.1217	0.187	0.080044
21923-24	SAE1/SAE2	SAE1/SAE2	SAE1/SAE2	Q9UBT2 Q9UBE0	UBA2 SAE1	1005 5	TRUE	0.13	0.1161	0.187	0.064699
21926-24	PolyUbiquitin K48	PolyUbiquitin K48	UB2D1/ PolyUbiquitin K48	P0CG47 P51668	UBB UBE2D1	7314 7321	TRUE	0.68	0.7147	0.689	0.104092
21929-53	PolyUbiquitin K48	PolyUbiquitin K48	UB2D3/ PolyUbiquitin K48	P0CG47 P61077	UBB UBE2D3	7314 7323	TRUE	0.54	0.5822	0.751	0.095512
21931-16	PolyUbiquitin K48	PolyUbiquitin K48	UB2L3/ PolyUbiquitin K48	P0CG47 P68036	UBB UBE2L3	7314 7332	TRUE	0.08	0.2172	0.222	0.085247
21933-7	UBA7	UBA7	Ubiquitin-like modifier-activating enzyme 7	P41226	UBA7	7318	TRUE	0.1	0.1065	0.971	0.070895
21935-16	UBE2H	UBE2H	Ubiquitin-conjugating enzyme E2 H	P62256	UBE2H	7328	TRUE	0.18	0.1996	0.798	0.083174
21939-6	UJA1/UBA3	UJA1/UBA3	UJA1/UBA3	Q8TBC4 Q13564	UBA3 NJA1	9039 8883	TRUE	0.1	0.1259	0.553	0.070408
21940-12	WN10B	WN10B	Protein Wnt-10b	O00744	WNT10B	7480	TRUE	0.19	0.1248	0.248	0.03933
21945-4	WNT5B	WNT5B	Protein Wnt-5b	Q9H1J7	WNT5B	81029	TRUE	0.1	0.2062	0.248	0.02812
21951-32	ARNT	ARNT	Aryl hydrocarbon receptor nuclear translocator	P27540	ARNT	405	TRUE	0.19	0.2633	0.118	0.06082
21955-36	BAT3	BAT3	Large proline-rich protein BAT3	P46379	BAG6	7917	TRUE	0.08	0.1726	0.483	0.073222
21958-4	ABR	ABR	Active breakpoint cluster region-related protein	Q12979	ABR	29	TRUE	0.1	0.1549	0.527	0.079881
21963-48	DAB2	DAB2	Disabled homolog 2	P98082	DAB2	1601	TRUE	0.11	0.0854	1.118	0.103999

21967-20	DHI1	DHI1	Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B	1	3290	TRUE	0.09	0.1501	0.304	0.056608
21971-47	FLI1	FLI1	Friend leukemia integration 1 transcription factor	Q01543	FLI1		2313	TRUE	0.08	0.1061	1.01	0.088777
21976-4	IKK-gamma	IKK-gamma	I-kappa-B kinase gamma	Q9Y6K9	IKBKG		8517	TRUE	0.07	0.1883	1.283	0.120681
21979-12	Integrin a6	Integrin a6	Integrin alpha-6	P23229	ITGA6		3655	TRUE	0.13	0.1264	0.105	0.034263
21979-8	Integrin a6	Integrin a6	Integrin alpha-6	P23229	ITGA6		3655	TRUE	0.13	0.1585	0.178	0.071285
21987-76	LPL	LPL	Lipoprotein lipase	P06858	LPL		4023	TRUE	0.14	3.8629	0.112	0.04785
21989-12	M4K5	M4K5	Mitogen-activated protein kinase kinase kinase 5	Q9Y4K4	MAP4K5		11183	TRUE	0.08	0.1061	0.988	0.070443
21991-79	NEB2	NEB2	Neurabin-2	Q96SB3	PPP1R9B		84687	TRUE	0.12	0.131	1.17	0.068574
21996-28	NUB1	NUB1	NEDD8 ultimate buster 1	Q9Y5A7	NUB1		51667	TRUE	0.12	0.1402	0.653	0.056536
21999-61	NUCB2	NUCB2	Nucleobindin-2	P80303	NUCB2		4925	TRUE	0.12	0.2213	0.075	0.057587
22001-23	PADI2	PADI2	Protein-arginine deiminase type-2	Q9Y2J8	PADI2		11240	TRUE	0.07	0.1013	1.688	0.080112
22003-4	Paraoxonase-2	Paraoxonase-2	Paraoxonase 2	Q15165	PON2		5445	TRUE	0.07	0.1621	0.178	0.115464
22005-8	PDP1	PDP1	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial	Q9P0J1	PDP1		54704	TRUE	0.1	0.1148	0.504	0.09364
22007-1	RELM-beta	RELM-beta	Resistin-like beta	Q9BQ08	RETNLB		84666	TRUE	0.21	0.251	0.213	0.039551
22009-1	PPM1B	PPM1B	Protein phosphatase 1B	O75688	PPM1B		5495	TRUE	0.11	0.1669	0.455	0.048131
2201-17	Endostatin	Endostatin	Endostatin	P39060	COL18A1		80781	TRUE	0.12	0.2255	0.172	0.059535
22010-36	PRKRA	PRKRA	Interferon-inducible double-stranded RNA-dependent protein kinase activator A	O75569	PRKRA		8575	TRUE	0.17	0.147	0.588	0.036474
22013-6	RASF2	RASF2	Ras association domain-containing protein 2	P50749	RASSF2		9770	TRUE	0.08	0.3499	0.227	0.068403
22015-2	RO52	RO52	E3 ubiquitin-protein ligase TRIM21	P19474	TRIM21		6737	TRUE	0.09	0.1327	1.592	0.056318
22023-3	AADAT	AADAT	Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial	Q8N5Z0	AADAT		51166	TRUE	0.12	0.1848	0.114	0.041512

22027-13	TACC3	TACC3	Transforming acidic coiled-coil-containing protein 3	Q9Y6A5	TACC3	10460	TRUE	0.08	0.1179	0.859	0.054514
22033-32	WASP	WASP	Wiskott-Aldrich syndrome protein Zinc finger and BTB domain-containing protein 16	P42768	WAS	7454	TRUE	0.1	0.1756	1.335	0.050369
22034-61	ZBT16	ZBT16	16	Q05516	ZBTB16	7704	TRUE	0.11	0.161	0.109	0.039184
22037-47	EFHD2	EFHD2	EF-hand domain-containing protein D2	Q96C19	EFHD2	79180	TRUE	0.07	0.1139	0.34	0.060924
22041-26	MP2K5	MP2K5	Dual specificity mitogen-activated protein kinase kinase 5	Q13163	MAP2K5	5607	TRUE	0.24	0.2971	0.883	0.104598
22043-174	HSP70 protein 2	HSP70 protein 2	Heat shock-related 70 kDa protein 2	P54652	HSPA2	3306	TRUE	0.1	4.9577	0.221	0.070452
22045-8	SUMO4	SUMO4	Small ubiquitin-related modifier 4	Q6EEV6	SUMO4	2	TRUE	0.1	0.1911	0.426	0.082721
22047-46	CO5A1	CO5A1	Collagen alpha-1(V) chain	P20908	COL5A1	1289	TRUE	0.15	0.0733	0.377	0.086819
22049-24	14-3-3 eta	14-3-3 eta	14-3-3 protein eta	Q04917	YWHAH	7533	TRUE	0.09	0.0924	0.718	0.053586
22050-19	KXDL1	KXDL1	KxDL motif-containing protein 1	Q9BQD3	KXD1	79036	TRUE	0.1	0.1191	0.158	0.07281
22055-31	FOXO1A	FOXO1A	Forkhead box protein O1A	Q12778	FOXO1	2308	TRUE	0.15	0.1381	0.27	0.16705
22057-9	AL1B1	AL1B1	Aldehyde dehydrogenase X, mitochondrial	P30837	ALDH1B1	219	TRUE	0.17	0.1424	1.034	0.036162
22059-56	PALMD	PALMD	Palmdelphin	Q9NP74	PALMD	54873	TRUE	0.09	0.1062	3.977	0.023202
22065-32	IRF8	IRF8	Interferon regulatory factor 8	Q02556	IRF8	3394	TRUE	0.13	0.101	0.139	0.059085
22068-5	2A5D	2A5D	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform	Q14738	PPP2R5D	5528	TRUE	0.1	0.1029	0.32	0.070573
22070-5	ARHGG	ARHGG	Rho guanine nucleotide exchange factor 16	Q5VV41	ARHGEF16	27237	TRUE	0.1	0.1655	0.126	0.041403
22076-34	ATOH1	ATOH1	Protein atonal homolog 1	Q92858	ATOH1	474	TRUE	0.1	0.2753	0.417	0.088626
22077-46	ATP23	ATP23	Mitochondrial inner membrane protease ATP23 homolog	Q9Y6H3	ATP23	91419	TRUE	0.2	0.1673	0.604	0.049119
22080-22	BACD1	BACD1	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 1	Q8WZ19	KCTD13	0	TRUE	0.18	0.2211	0.198	0.056616
22082-25	BEX2	BEX2	Protein BEX2	Q9BXY8	BEX2	84707	TRUE	0.1	0.1919	1.184	0.06898

22088-3	BTG1	BTG1	Protein BTG1	P62324	BTG1	694	TRUE	0.35	0.406	0.17	0.074291
22092-43	Caspase-4	Caspase-4	Caspase-4	P49662	CASP4	837	TRUE	0.08	0.122	6.512	0.054143
22094-15	CB073	CB073	Uncharacterized protein C2orf73	Q8N5S3	C2orf73	12985	TRUE	0.1	0.2869	1.185	0.060486
22099-1	CD036	CD036	Uncharacterized protein C4orf36	Q96KX1	C4orf36	13298	TRUE	0.08	0.1264	1.296	0.076548
22103-25	CDK20	CDK20	Cyclin-dependent kinase 20	Q8IZL9	CDK20	23552	TRUE	0.07	0.094	0.569	0.049475
22112-30	COQ5	COQ5	2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial	Q5HYK3	COQ5	84274	TRUE	0.07	0.1473	0.163	0.081285
22113-2	COQ6	COQ6	Ubiquinone biosynthesis monooxygenase COQ6, mitochondrial	Q9Y2Z9	COQ6	51004	TRUE	0.07	0.1271	2.339	0.09336
22114-4	CR054	CR054	Uncharacterized protein C18orf54	Q8IYD9	LAS2	16268	TRUE	0.13	0.1448	0.099	0.048701
22119-18	CSN8	CSN8	COP9 signalosome complex subunit 8	Q99627	COPS8	10920	TRUE	0.08	0.1843	0.27	0.020351
2212-69	tPA	tPA	Tissue-type plasminogen activator	P00750	PLAT	5327	TRUE	0.14	0.2883	0.359	0.032885
22120-4	DCA11	DCA11	DDB1- and CUL4-associated factor 11	Q8TEB1	DCAF11	80344	TRUE	0.16	0.1703	0.383	0.059436
22123-15	DLX2	DLX2	Homeobox protein DLX-2	Q07687	DLX2	1746	TRUE	0.06	0.1322	4.403	0.064263
22124-94	DYTN	DYTN	Dystrotelin	A2CJ06	DYTN	39147	TRUE	0.14	0.1253	0.241	0.032702
22125-9	E2F5	E2F5	E2F5	Q15329	E2F5	5	TRUE	0.09	0.1455	0.453	0.091707
22128-8	ELK4	ELK4	ETS domain-containing protein Elk-4	P28324	ELK4	1875	TRUE	0.06	0.1525	0.345	0.062528
22129-55	ELL3	ELL3	RNA polymerase II elongation factor ELL3	Q9HB65	ELL3	2005	TRUE	0.09	0.0838	2.409	0.09067
22140-6	F204A	F204A	Protein FAM204A	Q9H8W3	FAM204A	80237	TRUE	0.1	0.1652	0.308	0.046624
22141-59	F261	F261	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 1	P16118	PFKFB1	63877	TRUE	0.08	0.1416	0.39	0.030302
22142-4	F86B1	F86B1	Putative protein N-methyltransferase FAM86B1	Q8N7N1	FAM86B1	5207	TRUE	0.08	0.1423	0.513	0.034683
22144-65	FBX48	FBX48	F-box only protein 48	Q5FWF7	FBXO48	85002	TRUE	0.16	0.1201	1.517	0.125582
22146-20	FOSL2	FOSL2	Fos-related antigen 2	P15408	FOSL2	55425	TRUE	0.27	0.1191	6.692	0.047013
22147-19	FOXO4	FOXO4	Forkhead box protein O4	P98177	FOXO4	1	TRUE	0.1	0.1344	1.423	0.082315

22148-135	FOXP3	FOXP3	Forkhead box protein P3 FUN14 domain-containing protein 1	Q9BZS1	FOXP3	50943	TRUE	0.15	0.2034	0.446	0.049742
22149-2	FUND1	FUND1		Q8IVP5	FUNDC1	1	TRUE	0.09	0.1522	0.272	0.141155
22154-37	GATD1	GATD1	GATA zinc finger domain- containing protein 1	Q8WUU5	GATAD1	57798	TRUE	0.13	1.3494	0.167	0.086781
22155-44	GEMI7	GEMI7	Gem-associated protein 7	Q9H840	GEMIN7	79760	TRUE	0.21	0.2867	0.293	0.055934
22365-52	ATF5	ATF5	Cyclic AMP-dependent transcription factor ATF-5	Q9Y2D1	ATF5	22809	TRUE	0.08	0.1533	0.256	0.082832
22367-17	CK049	CK049	UPF0705 protein C11orf49 Doublesex- and mab-3- related transcription factor C2	Q9H6J7	C11orf4 9	79096	TRUE	0.07	0.1332	4.528	0.078984
22369-12	DMRTD	DMRTD		Q8IXT2	DMRTC2	63946	TRUE	0.07	0.1437	0.28	0.044368
22371-46	F110A	F110A	Protein FAM110A Hairy/enhancer-of-split related with YRPW motif protein 1	Q9BQ89	A	83541	TRUE	0.21	0.1776	0.699	0.053364
22374-56	HEY1	HEY1		Q9Y5J3	HEY1	23462	TRUE	0.13	0.1033	0.225	0.07771
22375-15	HXA11	HXA11	Homeobox protein Hox- A11	P31270	HOXA11	3207	TRUE	0.14	0.1353	0.758	0.087414
22377-27	IER2	IER2	Immediate early response gene 2 protein	Q9BTL4	IER2	9592	TRUE	0.14	0.2142	0.265	0.051364
22378-2	Keratin 34	Keratin 34		O76011	KRT34	3049	TRUE	0.13	0.1603	6.452	0.062284
22385-2	MUM1	MUM1	PWWP domain-containing protein MUM1	Q2TAK8	PWWP3 A	84939	TRUE	0.08	0.1414	0.782	0.14827
22387-26	PITX3	PITX3	Pituitary homeobox 3	O75364	PITX3	5309	TRUE	0.07	0.1363	0.228	0.058695
22402-12	H2A1A	H2A1A	Histone H2A type 1-A	Q96QV6	H2AC1	22161 3	TRUE	0.19	0.1891	1.109	0.097947
22404-4	IP6K1	IP6K1	Inositol hexakisphosphate kinase 1	Q92551	IP6K1	9807	TRUE	0.21	0.1692	0.604	0.089773
22414-127	TLK1	TLK1	Serine/threonine-protein kinase tousled-like 1	Q9UKI8	TLK1	9874	TRUE	0.11	0.1309	0.293	0.05828
22432-83	SRPK1	SRPK1	Serine/threonine-protein kinase SRPK1	Q96SB4	SRPK1	6732	TRUE	0.06	0.1337	2.054	0.068182
22465-43	HES1	HES1	Transcription factor HES-1	Q14469	HES1	3280	TRUE	0.32	0.345	0.245	0.083095
22466-27	HES5	HES5	Transcription factor HES-5	Q5TA89	HES5	38858 5	TRUE	0.12	0.2335	0.369	0.05066
22467-94	HHLA3	HHLA3	HERV-H LTR-associating protein 3	Q9XRX5	HHLA3	11147	TRUE	0.21	0.2487	0.234	0.097499

	Histone	Histone										
22468-54	H2A type 1	H2A type 1	Histone H2A type 1	P0C0S8	H2AC11	8329	TRUE	0.17	0.1019	0.876	0.041673	
22469-103	HMX2	HMX2	Homeobox protein HMX2	A2RU54	HMX2	3167	TRUE	0.15	0.1085	1.027	0.078413	
22474-28	HXC11	HXC11	Homeobox protein Hox-C11	O43248	HOXC11	3227	TRUE	0.23	0.1824	0.575	0.061818	
22476-115	HXD4	HXD4	Homeobox protein Hox-D4	P09016	HOXD4	3233	TRUE	0.13	0.2045	0.197	0.060287	
22479-64	IP6K2	IP6K2	Inositol hexakisphosphate kinase 2	Q9UHH9	IP6K2	51447	TRUE	0.12	0.1421	0.844	0.109881	
22482-87	K1C14	K1C14	Keratin, type I cytoskeletal 14	P02533	KRT14	3861	TRUE	0.36	0.4031	0.387	0.081908	
22483-109	K2C71	K2C71	Keratin, type II cytoskeletal 71	Q3SY84	KRT71	2	TRUE	0.12	0.1901	0.38	0.074131	
22485-1	KCTD7	KCTD7	BTB/POZ domain-containing protein KCTD7	Q96MP8	KCTD7	1	TRUE	0.07	0.1677	0.583	0.073399	
22486-58	Keratin 6A	Keratin 6A	Keratin, type II cytoskeletal 6A	P02538	KRT6A	3853	TRUE	0.25	0.1154	1.005	0.093249	
22488-17	KLF9	KLF9	Krueppel-like factor 9	Q13886	KLF9	687	TRUE	0.1	0.1176	1.967	0.11966	
22490-16	LCNL1	LCNL1	Lipocalin-like 1 protein LIM domain-binding	Q6ZST4	LCNL1	2	TRUE	0.13	0.2871	0.305	0.073362	
22491-10	LDB2	LDB2	protein 2	O43679	LDB2	9079	TRUE	0.09	0.1219	2.347	0.056281	
22492-108	LMO3	LMO3	LIM domain only protein 3	Q8TAP4	LMO3	55885	TRUE	0.15	0.0938	0.188	0.06465	
22496-21	LYRM1	LYRM1	LYR motif-containing protein 1	O43325	LYRM1	57149	TRUE	0.06	0.1983	0.221	0.091165	
22499-15	MED28	MED28	Mediator of RNA polymerase II transcription subunit 28	Q9H204	MED28	80306	TRUE	0.22	0.204	0.236	0.097533	
22500-9	MED11	MED11	Mediator of RNA polymerase II transcription subunit 11	Q9P086	MED11	9	TRUE	0.14	0.2248	0.204	0.040229	
22503-24	MKX	MKX	Homeobox protein Mohawk	Q8IYA7	MKX	8	TRUE	0.08	0.0805	7.184	0.081103	
22504-3	N42L2	N42L2	NEDD4-binding protein 2-like 2	Q92802	N4BP2L2	10443	TRUE	0.08	0.1006	0.405	0.110629	
22505-24	NAKD2	NAKD2	NAD kinase 2, mitochondrial	Q4G0N4	NADK2	6	TRUE	0.13	0.1785	2.152	0.065883	
22506-25	NAT5	NAT5	N-acetyltransferase 5	P61599	NAA20	51126	TRUE	0.2	0.113	0.447	0.084943	
22508-2	NDUBA	NDUBA	NADH dehydrogenase	O96000	0	4716	TRUE	0.15	0.1103	0.309	0.067461	
22509-9	NDUF5	NDUF5	Arginine-hydroxylase NDUF5, mitochondrial	Q5TEU4	5	79133	TRUE	0.08	0.1335	0.167	0.048751	

22512-18	NGDN	NGDN	Neuroguidin	Q8NEJ9	NGDN	25983	TRUE	0.08	0.2072	1.469	0.108102
22514-12	NKD2	NKD2	Protein naked cuticle homolog 2	Q969F2	NKD2	85409	TRUE	0.22	0.3172	0.224	0.093229
22516-30	NRL	NRL	Neural retina-specific leucine zipper protein	P54845	NRL	4901	TRUE	0.15	0.2279	0.165	0.062562
22517-106	NSE2	NSE2	E3 SUMO-protein ligase NSE2	Q96MF7	NSMCE2	28605 3	TRUE	0.18	0.1491	0.28	0.084435
22518-54	NSL1	NSL1	Kinetochore-associated protein NSL1 homolog	Q96IY1	NSL1	25936	TRUE	0.28	0.2238	0.229	0.058118
22526-81	PDHB	PDHB	Pyruvate dehydrogenase E1 component beta subunit	P11177	PDHB	5162	TRUE	0.18	0.3546	0.179	0.089146
22527-4	PDLI3	PDLI3	PDZ and LIM domain protein 3	Q53GG5	PDLIM3	27295	TRUE	0.07	0.0979	1.07	0.070883
22528-1	PHF11	PHF11	PHD finger protein 11	Q9UIL8	PHF11	51131	TRUE	0.12	0.1785	0.116	0.083038
22529-31	PHF6	PHF6	PHD finger protein 6	Q8IWS0	PHF6	84295	TRUE	0.19	0.1055	0.265	0.100353
22530-111	PHYD1	PHYD1	Phytanoyl-CoA dioxygenase domain-containing protein 1	Q5SRE7	PHYHD1	25429 5	TRUE	0.1	0.1256	1.988	0.075115
22531-44	PITX2	PITX2	Pituitary homeobox 2	Q99697	PITX2	5308	TRUE	0.16	0.0498	0.143	0.041734
22533-95	PP1RA	PP1RA	Serine/threonine-protein phosphatase 1 regulatory subunit 10	Q96QC0	PPP1R10	5514	TRUE	0.1	0.2769	2.018	0.142845
22534-14	PP4C	PP4C	Serine/threonine-protein phosphatase 4 catalytic subunit	P60510	PPP4C	5531	TRUE	0.1	0.2831	0.281	0.068184
22537-5	PPTC7	PPTC7	Protein phosphatase PTC7 homolog	Q8NI37	PPTC7	16076 0	TRUE	0.12	0.2142	0.289	0.057914
22540-129	PSB7	PSB7	Proteasome subunit beta type 7	Q99436	PSMB7	5695	TRUE	0.11	0.1942	2.748	0.093996
22541-46	PSF1	PSF1	DNA replication complex GINS protein PSF1	Q14691	GINS1	9837	TRUE	0.1	0.097	0.188	0.081598
22547-17	RBMS1	RBMS1	RNA-binding motif, single-stranded-interacting protein 1	P29558	RBMS1	5937	TRUE	0.06	0.0908	0.456	0.076195
22548-18	RGS13	RGS13	Regulator of G-protein signaling 13	O14921	RGS13	6003	TRUE	0.32	0.3081	0.284	0.071166
22549-73	RIP	RIP	RIP	Q13546	RIPK1	8737	TRUE	0.23	0.3666	0.261	0.079698
22554-101	RM10	RM10	39S ribosomal protein L10, mitochondrial	Q7Z7H8	MRPL10	12499 5	TRUE	0.16	0.2865	0.623	0.063842
22557-68	RM50	RM50	39S ribosomal protein L50, mitochondrial	Q8N5N7	MRPL50	54534	TRUE	0.13	0.1931	0.329	0.106328
22560-1	EVI2A	EVI2A	Protein EVI2A	P22794	EVI2A	2123	TRUE	0.51	0.62	0.975	0.069292

22563-4	KIRR1	KIRR1	Kin of IRRE-like protein 1	Q96J84	KIRREL1	55243	TRUE	0.08	0.1201	0.208	0.05706
22564-5	LRAD3	LRAD3	Low-density lipoprotein receptor class A domain-containing protein 3	Q86YD5	LDLRAD	14345	TRUE	0.06	0.123	1.961	0.064326
22568-7	DSG4	DSG4	Desmoglein-4	Q86SJ6	DSG4	14740	TRUE	0.07	0.1667	0.751	0.044153
22569-55	TGFR-1	TGFR-1	TGF-beta receptor type-1	P36897	TGFBR1	7046	TRUE	0.22	0.237	0.522	0.095024
22572-19	PEPA4	PEPA4	Pepsin A-4	P0DJ7	PGA4	64384	TRUE	0.16	0.2992	2.098	0.059304
22576-1	DC-SIGN	DC-SIGN	CD209 antigen	Q9NNX6	CD209	30835	TRUE	0.07	0.197	0.67	0.050852
22576-2	DC-SIGN	DC-SIGN	CD209 antigen	Q9NNX6	CD209	30835	TRUE	0.12	0.2951	0.934	0.046028
22577-24	SIG14	SIG14	Sialic acid-binding Ig-like lectin 14	Q08ET2	SIGLEC1	10004	TRUE	0.28	0.1191	0.452	0.072566
22578-17	ROBO2	ROBO2	Roundabout homolog 2	Q9HCK4	ROBO2	9587	TRUE	0.07	0.129	0.193	0.042074
22583-47	ULBP-2	ULBP-2	NKG2D ligand 2	Q9BZM5	ULBP2	6092	TRUE	0.07	0.1222	0.269	0.061387
22584-2	LRP6	LRP6	Low-density lipoprotein receptor-related protein 6	O75581	LRP6	80328	TRUE	0.09	0.0795	0.118	0.086177
22585-5	FZD4	FZD4	Frizzled-4	Q9ULV1	FZD4	4040	TRUE	0.09	0.1447	1.91	0.049081
22586-24	BT2A2	BT2A2	Butyrophilin subfamily 2 member A2	Q8WVV5	BTN2A2	8322	TRUE	0.09	0.1175	0.265	0.065592
22587-37	EPHA6	EPHA6	Ephrin type-A receptor 6	Q9UF33	EPHA6	28522	TRUE	0.12	0.0925	0.362	0.041574
22588-35	AGRB2	AGRB2	Adhesion G protein-coupled receptor B2	O60241	ADGRB2	0	TRUE	0.09	0.1121	0.308	0.074157
22589-3	FZD2	FZD2	Frizzled-2	Q14332	FZD2	576	TRUE	0.13	0.156	0.235	0.044373
22590-68	FZD1	FZD1	Frizzled-1	Q9UP38	FZD1	2535	TRUE	0.12	0.0979	0.543	0.069085
22591-4	FZD9	FZD9	Frizzled-9	O00144	FZD9	8321	TRUE	0.08	0.1324	1.07	0.063933
22770-22	S2538	S2538	Solute carrier family 25 member 38	Q96DW6	SLC25A3	8326	TRUE	0.14	0.081	1.62	0.049885
22771-6	SAM12	SAM12	Sterile alpha motif domain-containing protein 12	Q8N8I0	SAMD12	54977	TRUE	0.17	0.229	0.281	0.074797
22773-69	SDHB	SDHB	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	P21912	SDHB	40147	TRUE	0.14	0.2444	0.237	0.090142
22774-20	SEN34	SEN34	tRNA-splicing endonuclease subunit Sen34	Q9BSV6	TSEN34	6390	TRUE	0.16	0.19	0.527	0.113251

22777-46	SKP2	SKP2	S-phase kinase-associated protein 2	Q13309	SKP2	6502	TRUE	0.12	0.1959	0.33	0.128977
2278-61	TIMP-2	TIMP-2	Metalloproteinase inhibitor 2	P16035	TIMP2	7077	TRUE	0.08	0.2738	0.191	0.028211
22782-80	SPC25	SPC25	Kinetochore protein Spc25	Q9HBM1	SPC25	57405	TRUE	0.17	0.2107	0.826	0.042155
22783-40	SPI1	SPI1	Transcription factor PU.1	P17947	SPI1	6688	TRUE	0.08	0.0704	1.159	0.04838
22786-57	SPT46	SPT46	Spermatogenesis-associated protein 46	Q5T0L3	SPATA46	0	TRUE	0.08	1.2623	0.496	0.028559
22788-10	ST6B1	ST6B1	Sulfotransferase 6B1	Q6IMI4	SULT6B1	5	TRUE	0.17	0.1452	0.152	0.114991
22792-21	SYWM	SYWM	Tryptophan--tRNA ligase, mitochondrial	Q9UGM6	WARS2	10352	TRUE	0.27	0.3504	0.168	0.042016
22793-110	T2AG	T2AG	Transcription initiation factor IIA subunit 2	P52657	GTF2A2	2958	TRUE	0.1	0.1692	0.205	0.086631
22795-17	TAD2A	TAD2A	Transcriptional adapter 2-alpha	O75478	TADA2A	6871	TRUE	0.12	0.1213	2.143	0.085703
22796-17	TADA1	TADA1	Transcriptional adapter 1	Q96BN2	TADA1	3	TRUE	0.14	0.0838	0.145	0.061917
22797-20	TAF12	TAF12	Transcription initiation factor TFIID subunit 12	Q16514	TAF12	6883	TRUE	0.09	0.1284	0.534	0.109415
22798-111	TAF8	TAF8	Transcription initiation factor TFIID subunit 8	Q7Z7C8	TAF8	5	TRUE	0.3	0.5433	0.201	0.067355
22800-24	TELT	TELT	Telethonin	O15273	TCAP	8557	TRUE	0.1	0.1335	0.383	0.084703
22802-13	TEX30	TEX30	Testis-expressed protein 30	Q5JUR7	TEX30	93081	TRUE	0.11	0.2266	0.495	0.043069
22805-18	THA11	THA11	THAP domain-containing protein 11	Q96EK4	THAP11	57215	TRUE	0.23	0.2105	0.247	0.090133
22806-1	THAP2	THAP2	THAP domain-containing protein 2	Q9HOW7	THAP2	83591	TRUE	0.09	0.1228	2.477	0.066971
22808-59	THB	THB	Thyroid hormone receptor beta	P10828	THRB	7068	TRUE	0.21	0.3892	0.629	0.058777
22809-32	TIM23	TIM23	Mitochondrial import inner membrane translocase subunit Tim23	O14925	TIMM23	7932	TRUE	0.12	0.2219	0.304	0.049948
22811-5	TMA16	TMA16	Translation machinery-associated protein 16	Q96EY4	TMA16	55319	TRUE	0.15	0.1291	0.531	0.067586
22812-4	TPC6B	TPC6B	Trafficking protein particle complex subunit 6B	Q86SZ2	TRAPPC6B	12255	TRUE	0.16	0.2083	2.098	0.098083
22813-5	TPT1L	TPT1L	TPT1-like protein	Q56UQ5	FLJ4463	39249	TRUE	0.21	0.1949	0.256	0.095505
22814-1	TRI27	TRI27	Zinc finger protein RFP	P14373	TRIM27	5987	TRUE	0.17	0.2469	0.223	0.107019
22815-4	TRI40	TRI40	Tripartite motif-containing protein 40	Q6P9F5	TRIM40	4	TRUE	0.08	0.0794	0.51	0.056434
22816-4	TRI54	TRI54	Tripartite motif-containing protein 54	Q9BYV2	TRIM54	57159	TRUE	0.17	0.1902	0.178	0.071094

22817-126	TRIM9	TRIM9	E3 ubiquitin-protein ligase TRIM9	Q9C026	TRIM9	11408 8	TRUE	0.17	0.0734	0.112	0.04197
22818-4	TXTP	TXTP	Tricarboxylate transport protein, mitochondrial	P53007	SLC25A1	6576	TRUE	0.21	0.2701	0.474	0.059731
22821-50	UNG	UNG	Uracil-DNA glycosylase	P13051	UNG	7374	TRUE	0.07	0.1092	0.713	0.054995
22824-53	VATC2	VATC2	V-type proton ATPase subunit C 2	Q8NEY4	ATP6V1 C2	24597 3	TRUE	0.09	0.079	0.983	0.038106
22831-11	ZBP1	ZBP1	Z-DNA-binding protein 1	Q9H171	ZBP1	81030	TRUE	0.12	0.1359	0.193	0.09983
22832-9	ZC3H8	ZC3H8	Zinc finger CCCH domain-containing protein 8	Q8N5P1	ZC3H8	84524	TRUE	0.19	0.1815	0.417	0.082916
22833-74	ZCC18	ZCC18	Zinc finger CCHC domain-containing protein 18	P0CG32	ZCCHC1	64435 8 3	TRUE	0.21	0.3188	0.137	0.098514
22838-39	ZN230	ZN230	Zinc finger protein 230	Q9UIE0	ZNF230	7773	TRUE	0.06	0.2689	0.137	0.07174
22839-23	ZN263	ZN263	Zinc finger protein 263	O14978	ZNF263	10127	TRUE	0.09	0.1548	1.321	0.120629
22841-16	ZN696	ZN696	Zinc finger protein 696	Q9H7X3	ZNF696	79943	TRUE	0.11	0.2555	0.605	0.044519
22842-85	ZNF69	ZNF69	Zinc finger protein 69	Q9UC07	ZNF69	7620	TRUE	0.15	0.1844	0.551	0.057644
22844-4	ZSWM7	ZSWM7	Zinc finger SWIM domain-containing protein 7	Q19AV6	ZSWIM7	12515 0	TRUE	0.06	0.062	3.556	0.077884
22845-3	RT14	RT14	28S ribosomal protein S14, mitochondrial	O60783	MRPS14	63931	TRUE	0.09	0.1117	0.193	0.056885
22847-18	STK4	STK4	Serine/threonine-protein kinase 4	Q13043	STK4	6789	TRUE	0.18	0.2475	0.405	0.123835
22858-3	MK06	MK06	Mitogen-activated protein kinase 6	Q16659	MAPK6	5597	TRUE	0.1	0.1831	0.181	0.069429
22862-44	PPM1M	PPM1M	Protein phosphatase 1M	Q96MI6	PPM1M	13216 0	TRUE	0.12	0.3156	0.11	0.121165
22946-55	Alpha-1-syntrophin	Alpha-1-syntrophin	Alpha-1-syntrophin	Q13424	SNTA1	6640	TRUE	0.13	0.1768	0.328	0.036686
22950-6	BT3A3	BT3A3	Butyrophilin subfamily 3 member A3	O00478	BTN3A3	10384	TRUE	0.09	0.0942	0.231	0.081894
22952-28	CDKA2	CDKA2	Cyclin-dependent kinase 2-associated protein 2	O75956	CDK2AP	2 10263	TRUE	0.1	0.1915	4.459	0.051732
22953-85	CEBPB	CEBPB	CCAAT/enhancer-binding protein beta	P17676	CEBPB	1051	TRUE	0.12	0.0898	0.178	0.042989
22954-10	CLIC2	CLIC2	Chloride intracellular channel protein 2	O15247	CLIC2	1193	TRUE	0.11	0.1787	0.257	0.031452
22958-6	DEST	DEST	Destrin	P60981	DSTN	11034	TRUE	0.13	1.3658	0.865	0.136692

22960-8	FCG2B	FCG2B	Low affinity immunoglobulin gamma Fc region receptor II-b	P31994	FCGR2B	2213	TRUE	0.13	0.3094	0.825	0.034183
22963-3	VAMP2	VAMP2	Vesicle-associated membrane protein 2	P63027	VAMP2	6844	TRUE	0.21	0.1393	0.913	0.052895
22966-20	GBRAP	GBRAP	Gamma-aminobutyric acid receptor-associated protein	O95166	GABARA P	11337	TRUE	0.09	0.214	0.204	0.050405
22967-15	GDF7	GDF7	Growth/differentiation factor 7	Q7Z4P5	GDF7	9	TRUE	0.09	0.1542	0.468	0.048293
22968-9	GGE2D	GGE2D	G antigen 2D	Q9JEU5	GAGE2D	10010 1629	TRUE	0.1	0.1876	0.71	0.046677
22969-12	MCP-3	MCP-3	C-C motif chemokine 7	P80098	CCL7	6354	TRUE	0.15	0.1835	0.452	0.045266
22970-8	GIPC1	GIPC1	PDZ domain-containing protein GIPC1	O14908	GIPC1	10755	TRUE	0.17	0.2106	0.603	0.056312
22972-26	Gro-b	Gro-b	Gro-beta	P19875	CXCL2	2920	TRUE	0.12	0.1611	0.949	0.066058
22973-8	Gro-g	Gro-g	Gro-gamma	P19876	CXCL3	2921	TRUE	0.08	0.1383	0.738	0.067973
22974-25	H2B2E	H2B2E	Histone H2B type 2-E	Q16778	H2BC21	8349	TRUE	0.26	0.1188	1.26	0.040987
22977-18	HEX11	HEX11	Protein HEXIM1	O94992	HEXIM1	10614	TRUE	0.28	0.12	1.247	0.009815
22978-13	HMG-2	HMG-2	High mobility group protein B2	P26583	HMGB2	3148	TRUE	0.13	0.1495	2.984	0.029205
22980-37	HOME1	HOME1	Homer protein homolog 1	Q86YM7	HOMER1	9456	TRUE	0.32	0.3838	0.216	0.048301
22981-3	HPCL1	HPCL1	Hippocalcin-like protein 1	P37235	HPCAL1	3241	TRUE	0.12	0.1757	0.584	0.153207
22984-10	IF4A2	IF4A2	Eukaryotic initiation factor 4A-II	Q14240	EIF4A2	1974	TRUE	0.13	0.1618	0.869	0.043673
22985-160	IGFBP-2	IGFBP-2	Insulin-like growth factor-binding protein 2	P18065	IGFBP2	3485	TRUE	0.1	0.2293	0.667	0.027509
22989-24	LIN7A	LIN7A	Protein lin-7 homolog A	O14910	LIN7A	8825	TRUE	0.11	0.1268	2.789	0.061067
22990-20	LIN7B	LIN7B	Protein lin-7 homolog B	Q9HAP6	LIN7B	64130	TRUE	0.22	0.2685	0.179	0.027948
22991-9	MAGE-6	MAGE-6	Melanoma-associated antigen 6	P43360	MAGEA6	4105	TRUE	0.1	0.1217	0.287	0.082262
22992-6	MARE3	MARE3	Microtubule-associated protein RP/EB family member 3	Q9UPY8	MAPRE3	22924	TRUE	0.1	0.1702	2.901	0.073722
22993-9	MDC	MDC	C-C motif chemokine 22	O00626	CCL22	6367	TRUE	0.1	0.7103	0.349	0.080618
23000-22	NLGN1	NLGN1	Neuroigin-1	Q8N2Q7	NLGN1	22871	TRUE	0.12	0.1333	0.709	0.07656
23002-27	NXPH1	NXPH1	Neurexophilin-1	P58417	NXPH1	30010	TRUE	0.1	0.1116	0.174	0.041273

23006-19	PI42B	PI42B	Phosphatidylinositol 5-phosphate 4-kinase type-2 beta	P78356	PIP4K2B	8396	TRUE	0.12	0.1299	0.681	0.040035
23007-8	PLAK	PLAK	Junction plakoglobin	P14923	JUP	3728	TRUE	0.22	0.2337	2.235	0.073556
23008-4	RAB2A	RAB2A	Ras-related protein Rab-2A	P61019	RAB2A	5862	TRUE	0.23	0.2536	0.531	0.052485
23016-24	RBP56	RBP56	TATA-binding protein-associated factor 2N	Q92804	TAF15	8148	TRUE	0.17	0.1851	0.385	0.045919
23017-17	RCN3	RCN3	Reticulocalbin-3	Q96D15	RCN3	57333	TRUE	0.11	0.1679	1.175	0.052745
23018-4	REG1B	REG1B	Lithostathine-1-beta	P48304	REG1B	5968	TRUE	0.15	0.1953	1.336	0.087319
23020-18	RGS4	RGS4	Regulator of G-protein signaling 4	P49798	RGS4	5999	TRUE	0.2	0.1921	0.208	0.08583
23022-5	RhoGDI	RhoGDI	Rab GDP dissociation inhibitor alpha	P31150	GDI1	2664	TRUE	0.16	0.192	6.993	0.04613
23023-21	S100A14	S100A14	Protein S100-A14	Q9HCY8	S100A14	57402	TRUE	0.11	0.1917	0.38	0.066876
23024-25	SAR1A	SAR1A	GTP-binding protein SAR1a	Q9NR31	SAR1A	56681	TRUE	0.11	0.1164	0.781	0.035041
23028-49	SDCB2	SDCB2	Syntenin-2	Q9H190	SDCBP2	27111	TRUE	0.09	0.1869	0.324	0.031272
23029-3	SH3G3	SH3G3	Endophilin-A3	Q99963	SH3GL3	6457	TRUE	0.19	0.1921	0.446	0.093586
23030-4	Siglec-5	Siglec-5	Sialic acid-binding Ig-like lectin 5	O15389	SIGLEC5	8778	TRUE	0.13	0.1682	0.448	0.034389
23031-6	SIRT2	SIRT2	NAD-dependent protein deacetylase sirtuin-2	Q8IXJ6	SIRT2	22933	TRUE	0.13	0.1279	3.919	0.057231
23034-13	SORC3	SORC3	VPS10 domain-containing receptor SorCS3	Q9UPU3	SORCS3	22986	TRUE	0.12	0.1713	0.417	0.049415
23037-37	UB2D3	UB2D3	Ubiquitin-conjugating enzyme E2 D3	P61077	UBE2D3	7323	TRUE	0.21	0.1572	1.103	0.044804
23148-100	Endothelial lipase	Endothelial lipase	Endothelial cell-derived lipase	Q9Y5X9	LIPG	9388	TRUE	0.11	0.1692	0.295	0.028789
23152-49	BACD2	BACD2	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2	Q13829	TNFAIP1	7126	TRUE	0.14	0.1407	0.188	0.076382
23156-146	Caspase-10	Caspase-10:region 2	Caspase-10:region 2	Q92851	CASP10	843	TRUE	0.21	0.2375	0.267	0.048815
23161-3	KCTD6	KCTD6	BTB/POZ domain-containing protein KCTD6	Q8NC69	KCTD6	5	TRUE	0.17	0.1286	0.672	0.036736
23162-36	M3K10	M3K10	Mitogen-activated protein kinase kinase kinase 10	Q02779	MAP3K10	4294	TRUE	0.21	0.2686	0.385	0.03577

23173-3	TIMP-1	TIMP-1	Metalloproteinase inhibitor 1	P01033	TIMP1	7076	TRUE	0.13	0.1561	0.214	0.053966
23176-17	Beta-dystroglycan	Beta-dystroglycan	Beta-dystroglycan	Q14118	DAG1	1605	TRUE	0.09	0.143	0.197	0.087046
23178-95	HNMT	HNMT	Histamine N-methyltransferase	P50135	HNMT	3176	TRUE	0.11	0.1102	0.318	0.016848
23181-2	LTK	LTK	Leukocyte tyrosine kinase receptor	P29376	LTK	4058	TRUE	0.1	0.2038	0.286	0.061926
23183-6	RNF31	RNF31	E3 ubiquitin-protein ligase RNF31	Q96EP0	RNF31	55072	TRUE	0.09	0.0956	0.614	0.040238
23187-9	VCIP1	VCIP1	Deubiquitinating protein VCIP135	Q96JH7	VCPIP1	80124	TRUE	0.12	0.2215	0.737	0.068111
23200-25	C1QT4	C1QT4	Complement C1q tumor necrosis factor-related protein 4	Q9BXJ3	C1QTNF4	11490	TRUE	0.1	0.1685	0.48	0.092783
23203-3	RISC	RISC	Retinoid-inducible serine carboxypeptidase	Q9HB40	SCPEP1	59342	TRUE	0.12	0.3993	0.378	0.115883
23210-4	ETV2	ETV2	ETS translocation variant 2	O00321	ETV2	2116	TRUE	0.15	0.1507	6.898	0.045049
23212-8	EURL	EURL	Protein EURL homolog	Q9NYK6	EURL	54149	TRUE	0.12	0.1497	0.19	0.084713
23213-21	CK070	CK070	Uncharacterized protein C11orf70	Q9BRQ4	CFAP300	85016	TRUE	0.15	0.1929	0.234	0.112664
23224-11	RGN	RGN	Regucalcin	Q15493	RGN	9104	TRUE	0.1	0.1237	1.885	0.197496
23225-26	TRI62	TRI62	E3 ubiquitin-protein ligase TRIM62	Q9BVG3	TRIM62	55223	TRUE	0.08	0.1168	0.824	0.052948
23226-42	AT5F1	AT5F1	ATP synthase B chain, mitochondrial	P24539	ATP5PB	515	TRUE	0.17	0.2087	0.21	0.068164
23228-2	CL076	CL076	Uncharacterized protein C12orf76	Q8N812	C12orf76	40007	TRUE	0.17	0.1838	1.878	0.051245
23241-27	T10B	T10B	Mitochondrial import inner membrane translocase subunit Tim10B	Q9Y5J6	TIMM10B	26515	TRUE	0.09	0.206	0.764	0.1842
23242-2	SSNA1	SSNA1	Sjogren syndrome nuclear autoantigen 1	O43805	SSNA1	8636	TRUE	0.2	0.1692	0.275	0.035042
23243-120	RS25	RS25	40S ribosomal protein S25	P62851	RPS25	6230	TRUE	0.12	0.329	0.582	0.117482
23246-67	BL1S1	BL1S1	Biogenesis of lysosome-related organelles complex 1 subunit 1	P78537	BLOC1S1	2647	TRUE	0.06	0.2473	1.518	0.095602
23252-4	DNJB3	DNJB3	DnaJ homolog subfamily B member 3	Q8WWF6	DNAJB3	41406	TRUE	0.19	0.2146	0.353	0.076448
23253-5	CMTD1	CMTD1	Catechol O-methyltransferase domain-containing protein 1	Q86VU5	COMTD1	11888	TRUE	0.14	0.2138	0.181	0.117301

23257-14	COMDA	COMDA	COMM domain-containing protein 10	Q9Y6G5	COMMD10	51397	TRUE	0.12	0.1468	0.819	0.073035
23258-56	COA7	COA7	Cytochrome c oxidase assembly factor 7	Q96BR5	COA7	65260	TRUE	0.09	0.0879	0.322	0.05373
23261-27	CA050	CA050	Uncharacterized protein C1orf50	Q9BV19	C1orf50	79078	TRUE	0.13	0.1723	0.195	0.073474
23262-11	CRBB3	CRBB3	Beta-crystallin B3	P26998	CRYBB3	1417	TRUE	0.14	0.2485	0.366	0.103274
23264-42	MED10	MED10	Mediator of RNA polymerase II transcription subunit 10	Q9BTT4	MED10	84246	TRUE	0.18	0.1915	0.229	0.043167
23265-15	TPD54	TPD54	Tumor protein D54	O43399	TPD52L2	7165	TRUE	0.17	0.1993	0.987	0.079572
23266-62	MITD1	MITD1	MIT domain-containing protein 1	Q8WV92	MITD1	12953 1	TRUE	0.08	0.1827	0.762	0.08227
23269-40	CKLF4	CKLF4	CKLF-like MARVEL transmembrane domain-containing protein 4	Q8IZR5	CMTM4	14622 3	TRUE	0.12	0.2511	0.109	0.092243
23270-14	SPT33	SPT33	Spermatogenesis-associated protein 33	Q96N06	SPATA33	12404 5	TRUE	0.07	0.0749	0.653	0.089652
23271-20	EBP	EBP	3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase	Q15125	EBP	10682	TRUE	0.18	0.3017	0.113	0.037308
23272-8	DPCD	DPCD	Protein DPCD	Q9BVM2	DPCD	25911	TRUE	0.54	0.4865	0.383	0.079808
23278-13	protein L12	protein L12	39S ribosomal protein L12, mitochondrial	P52815	MRPL12	6182	TRUE	0.13	0.1519	0.927	0.060466
23280-9	AKIR2	AKIR2	Akirin-2	Q53H80	AKIRIN2	55122	TRUE	0.14	0.2299	0.283	0.090831
23283-9	RAB43	RAB43	Ras-related protein Rab-43	Q86YS6	RAB43	33912 2	TRUE	0.12	0.245	0.156	0.046835
23284-5	LMO4	LMO4	LIM domain only transcription factor protein 4	P61968	LMO4	8543	TRUE	0.14	0.2258	0.468	0.114442
23285-51	KCTD2	KCTD2	BTB/POZ domain-containing protein KCTD2	Q14681	KCTD2	23510	TRUE	0.22	0.3088	0.492	0.063213
23286-2	RN141	RN141	RING finger protein 141	Q8WVD5	RNF141	50862	TRUE	0.1	0.1269	0.646	0.039708
23290-3	SMN	SMN	Survival motor neuron protein	Q16637	SMN1	6606	TRUE	0.17	0.2358	0.896	0.089093
23291-18	PCLI1	PCLI1	PTB-containing, cubilin and LRP1-interacting protein	Q7Z2X4	PID1	55022	TRUE	0.16	0.3464	0.566	0.081469
23292-1	CE112	CE112	Centrosomal protein of 112 kDa	Q8N8E3	CEP112	20113 4	TRUE	0.07	0.1539	3.773	0.069513

23293-15	CHAC1	CHAC1	Glutathione-specific gamma-glutamylcyclotransferase 1	Q9BUX1	CHAC1	79094	TRUE	0.16	0.0988	0.336	0.07012
23294-19	MLX	MLX	Max-like protein X	Q9UH92	MLX	6945	TRUE	0.16	0.1526	0.29	0.03139
23296-29	SARP-3	SARP-3	SARP-3	Q5T4F7	SFRP5	6425	TRUE	0.09	0.1379	0.435	0.043989
23298-148	THEM4	THEM4	Acyl-coenzyme A thioesterase THEM4	Q5T1C6	THEM4	11714	TRUE	0.14	0.1785	0.73	0.090831
23299-52	TPPP	TPPP	Tubulin polymerization-promoting protein	O94811	TPPP	11076	TRUE	0.14	0.0875	0.309	0.048682
2330-2	SDF-1	SDF-1	Stromal cell-derived factor 1	P48061	CXCL12	6387	TRUE	0.07	0.2762	0.163	0.037729
23300-3	RBPS2	RBPS2	RNA-binding protein with multiple splicing 2	Q6ZRY4	RBPM52	34809	TRUE	0.13	0.1719	0.988	0.092232
23301-2	MSX-2	MSX-2	MSX-2	P35548	MSX2	4488	TRUE	0.11	0.0956	5.087	0.087908
23305-38	REEP2	REEP2	Receptor expression-enhancing protein 2	Q9BRK0	REEP2	51308	TRUE	0.15	0.2562	1.217	0.083104
23306-37	PMF1	PMF1	Polyamine-modulated factor 1	Q6P1K2	PMF1	10052	TRUE	0.16	0.1078	0.121	0.050021
23307-7	CLUA1	CLUA1	Clusterin-associated protein 1	Q96AJ1	CLUAP1	7963	TRUE	0.21	0.5058	1.821	0.073338
23309-11	HOP2	HOP2	Homologous-pairing protein 2 homolog	Q9P2W1	PSMC3IP	23059	TRUE	0.1	0.1205	1.133	0.02748
23310-51	RAB38	RAB38	Ras-related protein Rab-38	P57729	RAB38	29893	TRUE	0.2	0.1088	0.156	0.059912
23311-19	RPP25	RPP25	Ribonuclease P protein subunit p25	Q9BUL9	RPP25	23682	TRUE	0.26	0.3188	0.663	0.092719
23312-16	RABL3	RABL3	Rab-like protein 3	Q5HYI8	RABL3	54913	TRUE	0.12	0.2486	0.794	0.065692
23314-46	CC103	CC103	Coiled-coil domain-containing protein 103	Q8IW40	CCDC10	38838	TRUE	0.07	0.1009	1.895	0.039904
23315-30	FAM9B	FAM9B	Protein FAM9B	Q8IZU0	FAM9B	9	TRUE	0.12	0.1814	0.846	0.104291
23317-10	DHR11	DHR11	Dehydrogenase/reductase SDR family member 11	Q6UWP2	DHRS11	17148	TRUE	0.2	0.1456	0.521	0.092084
23318-60	PPCT	PPCT	Phosphatidylcholine transfer protein	Q9UKL6	PCTP	79154	TRUE	0.12	0.1092	0.415	0.056981
23319-6	ZFN2B	ZFN2B	AN1-type zinc finger protein 2B	Q8WV99	ZFAND2	13061	TRUE	0.14	0.4555	0.425	0.081988
23320-11	MB12B	MB12B	Multivesicular body subunit 12B	Q9H7P6	MVB12B	89853	TRUE	0.11	0.101	1.012	0.084968
23321-42	CCD95	CCD95	Coiled-coil domain-containing protein 95	Q8NBZ0	INO80E	28389	TRUE	0.13	0.1825	0.121	0.126628
23322-2	MUSC	MUSC	Musculin	O60682	MSC	9242	TRUE	0.16	1.125	0.563	0.069214
23323-25	DUPD1	DUPD1	Dual specificity phosphatase DUPD1	Q68J44	DUPD1	33859	TRUE	0.13	0.1304	4.004	0.091356

23325-18	CP045	CP045	Uncharacterized protein C16orf45	Q96MC5	BMERB1	89927	TRUE	0.08	0.1377	0.383	0.072302
23326-10	GSTA2	GSTA2	Glutathione S-transferase A2	P09210	GSTA2	2939	TRUE	0.05	0.1557	0.91	0.061066
23327-1	BORC5	BORC5	BLOC-1-related complex subunit 5	Q969J3	BORCS5	11842 6	TRUE	0.09	0.0639	0.591	0.078019
23329-52	RAB4B	RAB4B	Ras-related protein Rab-4B	P61018	RAB4B	53916	TRUE	0.09	0.1707	0.95	0.092378
2333-72	TGF-b1	TGF-b1	Transforming growth factor beta-1	P01137	TGFB1	7040	TRUE	0.1	0.1414	0.419	0.058222
23330-12	CV013	CV013	Uncharacterized protein C22orf13	Q96NT3	GUCD1	83606	TRUE	0.15	0.0946	0.129	0.090277
23334-21	LCE3C	LCE3C	Late cornified envelope protein 3C	Q5T5A8	LCE3C	35314 4	TRUE	0.11	0.1053	0.377	0.043627
23339-46	TCF24	TCF24	Transcription factor 24	Q7RTU0	TCF24	10012 9654	TRUE	0.1	0.0631	0.278	0.054486
23340-37	MTNA	MTNA	Methylthioribose-1-phosphate isomerase	Q9BV20	MRI1	84245	TRUE	0.25	0.3204	0.349	0.079648
23343-6	ROGDI	ROGDI	Protein rogdi homolog	Q9GZN7	ROGDI	79641	TRUE	0.08	0.1085	1.085	0.055263
23345-2	NECA1	NECA1	N-terminal EF-hand calcium-binding protein 1	Q8N987	NECAB1	64168	TRUE	0.2	0.2856	0.23	0.051207
23350-66	F118B	F118B	Protein FAM118B	Q9BPY3	FAM118 B	79607	TRUE	0.12	0.198	0.836	0.14351
23351-59	ANM1	ANM1	Protein arginine N-methyltransferase 1	Q99873	PRMT1	3276	TRUE	0.2	0.2364	0.227	0.044248
23352-9	DTBP1	DTBP1	Dysbindin	Q96EV8	DTNBP1	84062	TRUE	0.09	0.0954	0.629	0.073557
23354-12	CRBA2	CRBA2	Beta-crystallin A2	P53672	CRYBA2	1412	TRUE	0.14	0.2593	1.206	0.091394
23358-42	F118A	F118A	Protein FAM118A	Q9NWS6	FAM118 A	55007	TRUE	0.11	0.0979	0.159	0.035646
23359-25	FL2D	FL2D	Pre-mRNA-splicing regulator WTAP	Q15007	WTAP	9589	TRUE	0.29	0.7727	0.205	0.064385
23364-3	UCK1	UCK1	Uridine-cytidine kinase 1	Q9HA47	UCK1	83549	TRUE	0.08	0.1226	0.729	0.07303
23366-15	UBL7	UBL7	Ubiquitin-like protein 7	Q96S82	UBL7	84993	TRUE	0.15	0.177	0.515	0.049314
23367-8	ANR40	ANR40	Ankyrin repeat domain-containing protein 40	Q6AI12	ANKRD4 0	91369	TRUE	0.13	0.1636	0.386	0.077883
23369-17	PAHX	PAHX	Phytanoyl-CoA dioxygenase, peroxisomal	O14832	PHYH	5264	TRUE	0.1	0.154	0.465	0.0723
23370-39	KCAB3	KCAB3	Voltage-gated potassium channel subunit beta-3	O43448	KCNAB3	9196	TRUE	0.21	0.234	0.241	0.043022
23374-42	NECA3	NECA3	N-terminal EF-hand calcium-binding protein 3	Q96P71	NECAB3	63941	TRUE	0.16	0.308	0.256	0.046841
23376-56	ARPC2	ARPC2	Actin-related protein 2/3 complex subunit 2	O15144	ARPC2	10109	TRUE	0.12	0.21	0.639	0.055007

23379-60	CP072	CP072	UPF0472 protein C16orf72	Q14CZ0	2	29035	TRUE	0.2	0.2294	0.142	0.057346
23382-30	VCX3	VCX3	Variable charge X-linked protein 3	Q9NNX9	VCX3A	51481	TRUE	0.25	0.2531	0.2	0.066974
23384-19	KCD17	KCD17	BTB/POZ domain-containing protein	Q8N5Z5	KCTD17	79734	TRUE	0.09	0.0771	8.148	0.05999
23385-18	CAST1	CAST1	Cytosolic arginine sensor for mTORC1 subunit 1	Q8WTX7	1	8	TRUE	0.24	0.5131	0.187	0.077454
23386-38	TCP2L	TCP2L	T-complex protein 10A homolog 2	B9ZVM9	TCP10L2	26172	TRUE	0.26	0.5736	0.387	0.058964
23387-18	TIPRL	TIPRL	TIP41-like protein Fumarylacetoacetate hydrolase domain-containing protein 2A	O75663	TIPRL	6	TRUE	0.1	0.1748	0.606	0.094072
23389-28	FAH2A	FAH2A	Coiled-coil domain-containing protein 107	Q96GK7	FAHD2A	51011	TRUE	0.09	0.196	0.621	0.064184
23390-6	CC107	CC107	Protein XRP2	Q8WV48	7	0	TRUE	0.43	0.8674	0.268	0.048161
23391-20	XRP2	XRP2	Pleckstrin homology domain-containing family A member 3	O75695	RP2	6102	TRUE	0.17	0.37	0.164	0.068961
23392-41	PKHA3	PKHA3	1-acylglycerol-3-phosphate O-acyltransferase ABHD5	Q9HB20	PLEKHA3	65977	TRUE	0.13	0.1188	0.65	0.067761
23393-56	ABHD5	ABHD5	Growth arrest-specific protein 2	Q8WTS1	ABHD5	51099	TRUE	0.28	0.5929	5.06	0.15499
23394-125	GAS2	GAS2	KH domain-containing, RNA-binding, signal transduction-associated protein 2	O43903	GAS2	2620	TRUE	0.1	0.1032	0.549	0.081792
23395-5	KHDR2	KHDR2	Twinfilin-2	Q5VWX1	2	9	TRUE	0.11	0.1545	0.549	0.086324
23396-21	TWF2	TWF2	DNA-directed RNA polymerase II subunit GRINL1A	Q6IBS0	TWF2	11344	TRUE	0.08	4.819	0.974	0.088819
23398-1	GRL1A	GRL1A	DAZ-associated protein 1	P0CAP2	POLR2M	81488	TRUE	0.09	0.1016	0.654	0.043256
23401-3	DAZP1	DAZP1	Ganglioside-induced differentiation-associated protein 1-like 1	Q96EP5	DAZAP1	26528	TRUE	0.1	0.1882	2.781	0.088987
23402-147	GD1L1	GD1L1	Cdc42 effector protein 4	Q96MZ0	1	78997	TRUE	0.16	0.1168	0.094	0.05389
23403-64	BORG4	BORG4	Mitotic spindle assembly checkpoint protein	Q9H3Q1	P4	23580	TRUE	0.07	0.1189	0.309	0.056616
23404-16	MD2L2	MD2L2	MAD2B	Q9UI95	MAD2L2	10459	TRUE	0.2	0.2415	0.353	0.050588
23405-33	HORM2	HORM2	HORMA domain-containing protein 2	Q8N7B1	D2	0	TRUE	0.12	0.1438	0.411	0.098294

23406-3	RASF5	RASF5	Ras association domain-containing protein 5	Q8WWW0	RASSF5	83593	TRUE	0.12	0.181	0.387	0.099674
23408-1	Sorting nexin 16	Sorting nexin 16	Sorting nexin 16	P57768	SNX16	64089	TRUE	0.07	0.0678	0.357	0.057552
23409-83	SYAP1	SYAP1	Synapse-associated protein 1	Q96A49	SYAP1	94056	TRUE	0.14	0.1845	0.806	0.15368
23410-46	EIF3M	EIF3M	Eukaryotic translation initiation factor 3 subunit M	Q7L2H7	EIF3M	10480	TRUE	0.07	0.1523	0.651	0.079146
23411-108	PNMA2	PNMA2	Paraneoplastic antigen Ma2	Q9UL42	PNMA2	10687	TRUE	0.1	0.248	0.162	0.036206
23413-38	ANR45	ANR45	Ankyrin repeat domain-containing protein 45	Q5TZF3	ANKRD4	33941	TRUE	0.09	0.1476	1.205	0.085663
23414-12	ZN483	ZN483	Zinc finger protein 483	Q8TF39	ZNF483	15839	TRUE	0.23	0.2053	0.241	0.041233
23416-47	Sorting nexin-15	Sorting nexin-15	Sorting nexin-15	Q9NRS6	SNX15	29907	TRUE	0.07	0.1125	0.379	0.041473
23418-66	CCD92	CCD92	Coiled-coil domain-containing protein 92	Q53HC0	CCDC92	80212	TRUE	0.25	0.2659	0.405	0.110092
23422-47	RFC4	RFC4	Replication factor C 37 kDa subunit	P35249	RFC4	5984	TRUE	0.21	0.366	0.254	0.079958
23425-19	ERMIN	ERMIN	Ermin	Q8TAM6	ERMN	57471	TRUE	0.08	0.2178	0.684	0.070083
23426-1	VCX1	VCX1	Variable charge X-linked protein 1	Q9H320	VCX	26609	TRUE	0.17	0.4287	0.182	0.111432
23521-29	NDK7	NDK7	Nucleoside diphosphate kinase 7	Q9Y5B8	NME7	29922	TRUE	0.08	0.1064	0.912	0.059032
23523-14	FA49A	FA49A	Protein FAM49A	Q9H0Q0	CYRIA	81553	TRUE	0.19	0.2037	0.172	0.069487
23524-2	NTAN1	NTAN1	Protein N-terminal asparagine amidohydrolase	Q96AB6	NTAN1	12380	TRUE	0.21	0.1553	0.175	0.073684
23525-27	NOSIP	NOSIP	Nitric oxide synthase-interacting protein	Q9Y314	NOSIP	51070	TRUE	0.12	0.2906	2.062	0.083505
23526-25	KTI12	KTI12	Protein KTI12 homolog	Q96EK9	KTI12	11297	TRUE	0.46	0.5092	0.789	0.114134
23528-199	PHIPL	PHIPL	Phytanoyl-CoA hydroxylase-interacting protein-like	Q96FC7	PHYHIPL	84457	TRUE	0.11	0.2057	0.437	0.069604
23529-11	STAR7	STAR7	StAR-related lipid transfer protein 7, mitochondrial	Q9NQZ5	STARD7	56910	TRUE	0.09	0.16	0.137	0.058711
23531-79	HSH2D	HSH2D	Hematopoietic SH2 domain-containing protein	Q96JZ2	HSH2D	84941	TRUE	0.14	0.1264	0.426	0.066129
23535-3	FA45A	FA45A	Protein FAM45A	Q8TCE6	DENND1	40463	TRUE	0.1	0.1206	1.148	0.060159
23540-3	MAT1	MAT1	CDK-activating kinase assembly factor MAT1	P51948	MNAT1	6	TRUE	0.12	0.1642	0.176	0.073258

23541-61	CLYBL	CLYBL	Citrate lyase subunit beta-like protein, mitochondrial	Q8N0X4	CLYBL	5	TRUE	0.07	0.1761	0.862	0.100862
23542-8	GLP3L	GLP3L	Golgi phosphoprotein 3-like	Q9H4A5	GOLPH3L	55204	TRUE	0.09	0.1551	0.783	0.051931
23543-92	TRUB1	TRUB1	Probable tRNA pseudouridine synthase 1	Q8WWH5	TRUB1	142940	TRUE	0.08	0.2009	0.7	0.091305
23544-10	TCP10	TCP10	T-complex protein 10A homolog	Q12799	TCP10L3		TRUE	0.07	0.2853	0.217	0.083109
23546-9	HAGHL	HAGHL	Hydroxyacylglutathione hydrolase-like protein	Q6PII5	HAGHL	84264	TRUE	0.1	0.2836	0.167	0.043353
23547-21	TCEA3	TCEA3	Transcription elongation factor A protein 3	O75764	TCEA3	6920	TRUE	0.11	0.2508	0.762	0.062314
23550-10	KDF1	KDF1	Keratinocyte differentiation factor 1	Q8NAX2	KDF1	126695	TRUE	0.25	0.3124	2.679	0.061018
23553-1	ABI3	ABI3	ABI gene family member 3	Q9P2A4	ABI3	51225	TRUE	0.09	0.1751	0.705	0.062937
23554-2	SHD	SHD	SH2 domain-containing adapter protein D	Q96IW2	SHD	56961	TRUE	0.17	0.2509	1.067	0.102615
23556-4	VGLL4	VGLL4	Transcription cofactor vestigial-like protein 4	Q14135	VGLL4	9686	TRUE	0.15	0.2227	1.238	0.070433
23558-33	MET2B	MET2B	Methyltransferase-like protein 2B	Q6P1Q9	METTL2B	55798	TRUE	0.07	0.3192	0.533	0.055544
23559-10	DDR GK	DDR GK	DDR GK domain-containing protein 1	Q96HY6	DDR GK1	65992	TRUE	0.07	0.1117	0.708	0.018583
23561-4	CCD97	CCD97	Coiled-coil domain-containing protein 97	Q96F63	CCDC97	90324	TRUE	0.1	0.1305	0.423	0.077315
23566-6	ApoL-II	ApoL-II	Apolipoprotein-L2	Q9BQE5	APOL2	23780	TRUE	0.05	0.1679	1.65	0.050203
23567-37	GNAQ	GNAQ	Guanine nucleotide-binding protein G(q) subunit alpha	P50148	GNAQ	2776	TRUE	0.14	0.1066	0.197	0.050897
23569-53	STA10	STA10	START domain-containing protein 10	Q9Y365	STARD1	10809	TRUE	0.06	0.1269	0.45	0.078132
23571-93	CCD94	CCD94	Coiled-coil domain-containing protein 94	Q9BW85	YJU2	55702	TRUE	0.22	0.3316	1.02	0.087817
23575-58	COX19	COX19	Cytochrome c oxidase assembly protein COX19	Q49B96	COX19	90639	TRUE	0.07	0.1058	0.904	0.040105
23576-46	BEX4	BEX4	Protein BEX4	Q9NWD9	BEX4	56271	TRUE	0.08	0.2717	1.22	0.069588
23578-6	SMIM3	SMIM3	Small integral membrane protein 3	Q9BZL3	SMIM3	85027	TRUE	0.05	0.1427	0.426	0.070889
23579-3	KKLC1	KKLC1	Kita-kyushu lung cancer antigen 1	Q5H943	CT83	203413	TRUE	0.1	0.1155	0.298	0.049131
2358-19	VEGF sR3	VEGF sR3	Vascular endothelial growth factor receptor 3	P35916	FLT4	2324	TRUE	0.07	0.1571	0.297	0.060382

23580-2	PRR15	PRR15	Proline-rich protein 15	Q8IV56	PRR15	1	TRUE	0.09	0.1052	0.299	0.099856
23581-131	Obestatin	Obestatin	Obestatin	Q9UBU3	GHRL	51738	TRUE	0.16	0.1957	0.384	0.100767
23584-2	NUD15	NUD15	Nucleotide triphosphate diphosphatase NUDT15	Q9NV35	NUDT15	55270	TRUE	0.08	0.1555	0.698	0.038401
23586-32	Cancer/testis antigen 1B	Cancer/testis antigen 1B	Cancer/testis antigen 1B	P78358	CTAG1A	1485	TRUE	0.13	0.1191	0.871	0.055321
23588-9	HSDL2	HSDL2	Hydroxysteroid dehydrogenase-like protein 2	Q6YN16	HSDL2	84263	TRUE	0.08	0.0892	0.289	0.041031
23591-9	EXD1	EXD1	piRNA biogenesis protein EXD1	Q8NHP7	EXD1	9	TRUE	0.14	0.2298	0.878	0.083603
23593-14	M21D2	M21D2	Protein MB21D2	Q8IYB1	MB21D2	3	TRUE	0.07	0.1198	1.557	0.04411
23594-2	NR2CA	NR2CA	Nuclear receptor 2C2-associated protein	Q86WQ0	NR2C2A	12638	TRUE	0.08	0.1924	0.321	0.09154
23596-17	CCD89	CCD89	Coiled-coil domain-containing protein 89	Q8N998	CCDC89	8	TRUE	0.1	0.1629	0.269	0.076006
23597-11	AGFG2	AGFG2	Arf-GAP domain and FG repeat-containing protein 2	O95081	AGFG2	3268	TRUE	0.27	0.2926	0.907	0.071877
23601-43	ACO12	ACO12	Acyl-coenzyme A thioesterase 12	Q8WYK0	ACOT12	6	TRUE	0.15	0.2148	0.231	0.053932
23602-35	NAPEP	NAPEP	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D	Q6IQ20	NAPEPLD	22223	TRUE	0.12	0.2444	1.153	0.0824
23605-3	T11L1	T11L1	T-complex protein 11-like protein 1	Q9NUJ3	TCP11L1	55346	TRUE	0.09	0.1436	0.206	0.052055
23607-1	CP071	CP071	Uncharacterized protein C16orf71	Q8IYS4	C16orf7	14656	TRUE	0.2	0.2598	0.35	0.066224
23611-16	MALD2	MALD2	MARVEL domain-containing protein 2	Q8N4S9	MARVELD2	15356	TRUE	0.12	0.1444	0.223	0.0483
23615-4	TR112	TR112	TRM112-like protein	Q9UI30	TRMT11	51504	TRUE	0.22	0.2756	0.27	0.039894
23617-15	HYPK	HYPK	Huntingtin-interacting protein K	Q9NX55	HYPK	25764	TRUE	0.17	0.1538	0.55	0.051145
23620-16	CPZIP	CPZIP	CapZ-interacting protein	Q6JBY9	RCSD1	92241	TRUE	0.08	0.1968	0.447	0.087872
23621-326	TIM13	TIM13	Mitochondrial import inner membrane translocase subunit Tim13	Q9Y5L4	TIMM13	26517	TRUE	0.18	1.114	0.446	0.051128
23622-128	SOSSC	SOSSC	SOSS complex subunit C	Q9NRY2	INIP	58493	TRUE	0.1	0.0796	0.374	0.045807

23623-48	NUD11	NUD11	Diphosphoinositol polyphosphate phosphohydrolase 3-beta	Q96G61	NUDT11	55190	TRUE	0.25	0.2262	0.298	0.116177
23624-34	PEN2	PEN2	Gamma-secretase subunit PEN-2	Q9NZ42	PSENE1	55851	TRUE	0.11	0.1388	0.183	0.071338
23625-44	K1143	K1143	Uncharacterized protein KIAA1143	Q96AT1	KIAA114	3	TRUE	0.19	0.1121	0.156	0.068188
23627-3	CF057	CF057	UPF0369 protein C6orf57	Q5VUM1	SDHAF4	4	TRUE	0.13	0.2002	0.809	0.07443
23631-1	GALK2	GALK2	N-acetylgalactosamine kinase	Q01415	GALK2	2585	TRUE	0.22	0.3521	0.131	0.060702
23632-22	SLNL1	SLNL1	Schlafen-like protein 1	Q499Z3	SLFNL1	2	TRUE	0.06	0.1897	0.15	0.054733
23639-93	PEPL1	PEPL1	Probable aminopeptidase NPEPL1	Q8NDH3	NPEPL1	79716	TRUE	0.09	0.1369	0.53	0.060595
23640-10	EHD2	EHD2	EH domain-containing protein 2	Q9NZN4	EHD2	30846	TRUE	0.09	0.1373	0.424	0.079401
23643-22	DHB4	DHB4	Peroxisomal multifunctional enzyme type 2	P51659	HSD17B	4	TRUE	0.15	0.3061	0.748	0.066555
23644-19	DAK	DAK	Dihydroxyacetone kinase	Q3LXA3	TKFC	26007	TRUE	0.16	0.1807	0.631	0.044416
23645-49	HACL1	HACL1	2-hydroxyacyl-CoA lyase 1	Q9UJ83	HACL1	26061	TRUE	0.2	0.2442	0.585	0.096742
23646-5	AIPL1	AIPL1	Aryl-hydrocarbon-interacting protein-like 1	Q9NZN9	AIPL1	23746	TRUE	0.14	0.1459	0.674	0.025098
23648-36	DDI1	DDI1	Protein DDI1 homolog 1	Q8WTU0	DDI1	1	TRUE	0.1	0.2117	4.943	0.084158
23649-6	KLHL2	KLHL2	Kelch-like protein 2	O95198	KLHL2	11275	TRUE	0.07	0.1796	0.225	0.097953
23650-2	Dematin	Dematin	Dematin	Q08495	DMTN	2039	TRUE	0.2	0.1672	0.665	0.069395
23652-15	SOX	SOX	Peroxisomal sarcosine oxidase	Q9P0Z9	PIPOX	51268	TRUE	0.14	0.1615	0.515	0.075397
23654-6	ALG2	ALG2	Alpha-1,3-mannosyltransferase ALG2	Q9H553	ALG2	85365	TRUE	0.08	0.1321	0.599	0.049475
23656-9	PUS7	PUS7	Pseudouridylyl synthase 7 homolog	Q96PZ0	PUS7	54517	TRUE	0.42	0.3227	0.437	0.103835
23658-1	SYNM	SYNM	Probable asparagine--tRNA ligase, mitochondrial	Q96I59	NARS2	79731	TRUE	0.14	0.2433	0.141	0.058852
23659-2	BZW2	BZW2	Basic leucine zipper and W2 domain-containing protein 2	Q9Y6E2	BZW2	28969	TRUE	0.1	0.2342	0.98	0.059684
23662-10	3BP5	3BP5	SH3 domain-binding protein 5	O60239	SH3BP5	9467	TRUE	0.1	0.1411	0.27	0.050286
23663-28	VATC1	VATC1	Vacuolar ATP synthase subunit C 1	P21283	ATP6V1	C1	TRUE	0.11	0.2028	0.745	0.086124

23665-35	PRS6A	PRS6A	26S protease regulatory subunit 6A	P17980	PSMC3	5702	TRUE	0.16	0.2179	0.351	0.047897
23666-35	PUR9	PUR9	Bifunctional purine biosynthesis protein PURH	P31939	ATIC	471	TRUE	0.05	0.0941	0.556	0.036886
23668-281	MID51	MID51	Mitochondrial dynamics protein MID51	Q9NQG6	MIEF1	54471	TRUE	0.13	0.2019	1.391	0.065591
23669-20	GFPT2	GFPT2	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2	O94808	GFPT2	9945	TRUE	0.13	0.2086	0.357	0.059642
23670-11	DPH2	DPH2	2-(3-amino-3-carboxypropyl)histidine synthase subunit 2	Q9BQC3	DPH2	1802	TRUE	0.1	0.0715	0.378	0.067184
23672-10	PSMD6	PSMD6	26S proteasome non-ATPase regulatory subunit 6	Q15008	PSMD6	9861	TRUE	0.09	0.0872	0.423	0.068538
23673-9	ODB2	ODB2	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial	P11182	DBT	1629	TRUE	0.12	0.2434	0.891	0.083988
23675-16	CEP76	CEP76	Centrosomal protein of 76 kDa	Q8TAP6	CEP76	79959	TRUE	0.21	0.3272	0.145	0.063726
23677-30	SPN90	SPN90	NCK-interacting protein with SH3 domain	Q9NZQ3	NCKIPSD	51517	TRUE	0.13	0.1206	1.076	0.062966
23680-1	MCPIP	MCPIP	MCP-1 Induced Protein	Q5D1E8	A	80149	TRUE	0.2	0.2943	0.364	0.075265
23682-79	HENMT	HENMT	Small RNA 2'-O-methyltransferase	Q5T8I9	HENMT1	211380	TRUE	0.12	0.2207	1.387	0.06442
23685-132	M1AP	M1AP	Meiosis 1 arrest protein	Q8TC57	M1AP	1	TRUE	0.23	0.1701	0.456	0.072298
23686-44	C19L1	C19L1	CWF19-like protein 1	Q69YN2	CWF19L	55280	TRUE	0.06	0.2392	0.265	0.056349
23687-27	TBC20	TBC20	TBC1 domain family member 20	Q96BZ9	TBC1D2	12863	TRUE	0.15	0.1679	0.621	0.048604
23689-52	CPNE6	CPNE6	Copine-6	O95741	CPNE6	9362	TRUE	0.13	0.168	0.109	0.047505
23690-228	RBM41	RBM41	RNA-binding protein 41	Q96IZ5	RBM41	55285	TRUE	0.11	0.0731	3.304	0.069163
23691-2	TTL12	TTL12	Tubulin--tyrosine ligase-like protein 12	Q14166	TTLL12	23170	TRUE	0.13	0.1947	0.442	0.161842
23693-4	MKNK1	MKNK1	MAP kinase-interacting serine/threonine-protein kinase 1	Q9BUB5	MKNK1	8569	TRUE	0.16	0.1466	0.677	0.041647
23694-3	ASNS	ASNS	Asparagine synthetase	P08243	ASNS	440	TRUE	0.26	0.327	0.275	0.071238

23695-1	FSD1	FSD1	Fibronectin type III and SPRY domain-containing protein 1	Q9BTV5	FSD1	79187	TRUE	0.09	0.2438	0.139	0.064017
23696-256	TRM6	TRM6	tRNA (adenine(58)-N(1))-methyltransferase non-catalytic subunit TRM6	Q9UJA5	TRMT6	51605	TRUE	0.16	0.2065	0.152	0.055668
23699-61	ODO2	ODO2	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	P36957	DLST	1743	TRUE	0.16	0.1159	0.245	0.078191
23700-42	ABCF3	ABCF3	ATP-binding cassette sub-family F member 3	Q9NUQ8	ABCF3	55324	TRUE	0.07	0.0996	0.707	0.047281
23702-98	SHKB1	SHKB1	SH3KBP1-binding protein 1	Q8TBC3	SHKBP1	92799	TRUE	0.13	0.2187	2.162	0.110289
23703-8	PDLI5	PDLI5	PDZ and LIM domain protein 5	Q96HC4	PDLIM5	10611	TRUE	0.09	0.1752	0.732	0.070257
23704-11	TMM24	TMM24	Transmembrane protein 24	O14523	C2CD2L	9854	TRUE	0.16	0.172	0.738	0.071068
23705-42	PYRG1	PYRG1	CTP synthase 1	P17812	CTPS1	1503	TRUE	0.17	0.3564	0.7	0.042233
23706-13	TR61B	TR61B	tRNA (adenine(58)-N(1))-methyltransferase, mitochondrial	Q9BVS5	TRMT61B	55006	TRUE	0.17	0.2322	1.044	0.239868
23767-1	CK049	CK049	UPF0705 protein C11orf49	Q9H6J7	C11orf49	79096	TRUE	0.14	0.7649	0.151	0.10959
23771-17	ATF5	ATF5	Cyclic AMP-dependent transcription factor ATF-5	Q9Y2D1	ATF5	22809	TRUE	0.3	0.1988	0.664	0.043996
23783-22	F110A	F110A	Protein FAM110A	Q9BQ89	FAM110A	83541	TRUE	0.19	0.1736	0.189	0.061582
2381-52	C5	C5	Complement C5	P01031	C5	727	TRUE	0.1	0.0769	0.119	0.10245
23903-3	GOT2	GOT2	Aspartate aminotransferase, mitochondrial	P00505	GOT2	2806	TRUE	0.12	0.0998	0.576	0.083005
23923-26	PPM1F	PPM1F	Protein phosphatase 1F	P49593	PPM1F	9647	TRUE	0.1	0.1436	0.724	0.113749
23929-159	PRRT2	PRRT2	Proline-rich transmembrane protein 2	Q7Z6L0	PRRT2	112476	TRUE	0.11	0.0882	0.248	0.049268
23967-8	PA1	PA1	PAXIP1-associated protein 1	Q9BTK6	PAGR1	79447	TRUE	0.22	0.174	0.731	0.045679
24013-6	GRM4	GRM4	Metabotropic glutamate receptor 4	Q14833	GRM4	2914	TRUE	0.09	0.1074	0.38	0.09782
24023-35	sEPCR	sEPCR	soluble Endothelial protein C receptor	Q9UNN8	PROCR	10544	TRUE	0.1	0.2065	0.351	0.044306

24027-32	IFNE1	IFNE1	Interferon epsilon-1	Q86WN2	IFNE	6	TRUE	0.08	0.1755	0.465	0.03051
24050-26	GSK-3 beta	GSK-3 beta	Glycogen synthase kinase-3 beta	P49841	GSK3B	2932	TRUE	0.07	0.2146	0.995	0.021104
24055-44	CSTF1	CSTF1	Cleavage stimulation factor 50 kDa subunit	Q05048	CSTF1	1477	TRUE	0.18	0.2062	0.332	0.073235
24111-10	EF1G	EF1G	Elongation factor 1-gamma	P26641	EEF1G	1937	TRUE	0.14	0.1212	0.198	0.053774
24179-48	PTER	PTER	Phosphotriesterase-related protein	Q96BW5	PTER	9317	TRUE	0.07	0.1382	0.811	0.043064
2418-55	Apo E	Apo E	Apolipoprotein E	P02649	APOE	348	TRUE	0.16	0.1685	0.394	0.101418
24201-86	GAGC1	GAGC1	G antigen family C member 1	O60829	PAGE4	9506	TRUE	0.08	0.1299	0.373	0.070168
2421-7	BDNF	BDNF	Brain-derived neurotrophic factor	P23560	BDNF	627	TRUE	0.11	0.1231	0.464	0.036001
24211-25	HMGCL	HMGCL	Hydroxymethylglutaryl-CoA lyase, mitochondrial	P35914	HMGCL	3155	TRUE	0.08	0.1413	0.661	0.033294
24215-8	PRRX1	PRRX1	Paired mesoderm homeobox protein 1	P54821	PRRX1	5396	TRUE	0.09	0.1264	0.451	0.039043
24216-30	AAMDC	AAMDC	Mth938 domain-containing protein	Q9H7C9	AAMDC	28971	TRUE	0.08	0.149	0.434	0.069602
24217-2	Calgranulin A	Calgranulin A	Calgranulin A	P05109	S100A8	6279	TRUE	0.13	0.1261	0.864	0.061802
24221-3	PPAR gamma	PPAR gamma	Peroxisome proliferator activated receptor gamma	P37231	PPARG	5468	TRUE	0.18	0.1512	0.146	0.065294
24222-10	NELFA	NELFA	Negative elongation factor A	Q9H3P2	NELFA	7469	TRUE	0.07	0.0907	0.544	0.056394
24223-5	GST2	GST2	Glutathione S-transferase theta-2	P0CG29	GSTT2	2953	TRUE	0.08	0.0659	0.303	0.066737
24226-30	Fascin	Fascin	Fascin	Q16658	FSCN1	6624	TRUE	0.1	0.1882	0.204	0.055736
24235-2	EHD1	EHD1	EH domain-containing protein 1	Q9H4M9	EHD1	10938	TRUE	0.13	0.5094	0.836	0.05729
24236-46	VAT1L	VAT1L	Synaptic vesicle membrane protein VAT-1 homolog-like	Q9HCJ6	VAT1L	57687	TRUE	0.12	0.2166	0.829	0.059429
24237-115	CACB3	CACB3	Voltage-dependent L-type calcium channel subunit beta-3	P54284	CACNB3	784	TRUE	0.13	0.1161	0.433	0.066337
24244-81	RILP	RILP	Rab-interacting lysosomal protein	Q96NA2	RILP	83547	TRUE	0.08	0.1317	0.625	0.0665
24247-13	CO040	CO040	UPF0235 protein C15orf40	Q8WUR7	0	7	TRUE	0.17	0.1457	0.286	0.076233
24251-44	RP25L	RP25L	Ribonuclease P protein subunit p25-like protein	Q8N5L8	RPP25L	6	TRUE	0.09	0.1085	0.821	0.069722

24253-5	ERF3B	ERF3B	Eukaryotic peptide chain release factor GTP-binding subunit ERF3B	Q8IYD1	GSPT2	23708	TRUE	0.16	0.2012	1.239	0.0775
24255-38	EPN1	EPN1	Epsin-1	Q9Y6I3	EPN1	29924	TRUE	0.09	0.2002	0.643	0.037229
24260-4	SETD3	SETD3	Histone-lysine N-methyltransferase setd3	Q86TU7	SETD3	84193	TRUE	0.11	0.1363	0.871	0.061016
24261-202	DAPK3	DAPK3	Death-associated protein kinase 3	O43293	DAPK3	1613	TRUE	0.27	0.1892	0.479	0.071373
24271-9	GMPPA	GMPPA	Mannose-1-phosphate guanyltransferase alpha	Q96IJ6	GMPPA	29926	TRUE	0.16	0.1281	0.124	0.040815
24278-4	UBP3	UBP3	Ubiquitin carboxyl-terminal hydrolase 3	Q9Y6I4	USP3	9960	TRUE	0.12	0.0622	1.148	0.078439
24279-30	UTP6	UTP6	U3 small nucleolar RNA-associated protein 6 homolog	Q9NYH9	UTP6	55813	TRUE	0.1	0.2104	0.252	0.090751
24286-48	MEIG1	MEIG1	Meiosis expressed gene 1 protein homolog	Q5JSS6	MEIG1	0	TRUE	0.08	0.1407	1.337	0.055297
24289-1	CG053	CG053	Coiled-coil domain-containing transmembrane protein C7orf53	Q8N8F7	LSMEM1	6	TRUE	0.09	0.171	0.167	0.082899
2429-27	C8	C8	Complement component C8	P07358 P07357	C8G C8B C8A	32 731	TRUE	0.27	0.1229	0.266	0.056644
24290-5	CT202	CT202	Uncharacterized protein C20orf202	A1L168	C20orf2	400831	TRUE	0.38	0.111	0.5	0.055287
24293-39	NLTP	NLTP:isoform 6	Nonspecific lipid-transfer protein:isoform 6	P22307	SCP2	6342	TRUE	0.08	0.2654	0.999	0.054357
2431-17	Cathepsin G	Cathepsin G	Cathepsin G	P08311	CTSG	1511	TRUE	0.07	0.0949	0.282	0.018819
24314-9	TPC13	TPC13	Trafficking protein particle complex subunit 13	A5PLN9	TRAPPC13	80006	TRUE	0.13	0.1205	0.106	0.060927
24318-13	FGD2	FGD2	FYVE, RhoGEF and PH domain-containing protein 2	Q7Z6J4	FGD2	2	TRUE	0.08	0.1208	1.833	0.051685
24319-19	ISPD	ISPD	D-ribitol-5-phosphate cytidyltransferase	A4D126	CRPPA	0	TRUE	0.11	0.1561	3.017	0.05048
24320-3	TRI72	TRI72	Tripartite motif-containing protein 72	Q6ZMU5	TRIM72	9	TRUE	0.08	0.2093	0.537	0.048406
24321-67	NARF	NARF	Nuclear prelamin A recognition factor	Q9UHQ1	NARF	26502	TRUE	0.15	0.2052	0.3	0.086538
24322-1	T2EA	T2EA	General transcription factor IIE subunit 1	P29083	GTF2E1	2960	TRUE	0.07	0.1182	0.482	0.064042

24323-43	BROX	BROX	BRO1 domain-containing protein BROX	Q5VW32	BROX	2	TRUE	0.09	0.1157	0.338	0.05405
2436-49	CXCL16, soluble	CXCL16, soluble	C-X-C motif chemokine 16	Q9H2A7	CXCL16	58191	TRUE	0.09	0.1216	0.211	0.049066
24407-31	KIF3C	KIF3C	Kinesin-like protein KIF3C	O14782	KIF3C	3797	TRUE	0.19	0.1408	0.215	0.053738
24408-30	MBNL1	MBNL1	Muscleblind-like protein 1	Q9NR56	MBNL1	4154	TRUE	0.08	0.2391	1.08	0.067996
24409-2	RDH13	RDH13	Retinol dehydrogenase 13	Q8NBN7	RDH13	4	TRUE	0.16	0.1077	0.39	0.036681
24411-144	LRSAM1	LRSAM1	LRSAM1 Synaptonemal complex	Q6UWE0	LRSAM1	90678	TRUE	0.09	0.1723	0.946	0.065164
24412-1	SYC1L	SYC1L	central element protein 1-like	A8MT33	SYCE1L	10013 0958	TRUE	0.08	0.1393	3.915	0.068877
24413-96	NUDT7	NUDT7	Peroxisomal coenzyme A diphosphatase NUDT7	P0C024	NUDT7	28392 7	TRUE	0.11	0.1257	0.693	0.098556
24414-3	Glycogen phosphorylase	Glycogen phosphorylase	Glycogen phosphorylase, brain form	P11216	PYGB	5834	TRUE	0.07	0.1946	1.185	0.070878
24416-20	SND1	SND1	Staphylococcal nuclease domain-containing protein 1	Q7KZF4	SND1	27044	TRUE	0.27	0.2937	0.162	0.025582
24417-22	RABE1	RABE1	Rab GTPase-binding effector protein 1	Q15276	RABEP1	9135	TRUE	0.27	0.077	0.788	0.025347
24420-57	DOHH	DOHH	Deoxyhypusine hydroxylase	Q9BU89	DOHH	83475	TRUE	0.11	0.1624	1.512	0.069592
24422-36	SPA24	SPA24	Spermatogenesis-associated protein 24	Q86W54	SPATA24	1	TRUE	0.13	0.4165	0.27	0.059176
24423-9	PP13G	PP13G	Protein phosphatase 1 regulatory subunit 3G	B7ZBB8	PPP1R3	64879 1	TRUE	0.15	0.1754	0.326	0.062542
24424-25	TBC25	TBC25	TBC1 domain family member 25	Q3MII6	TBC1D2	5	TRUE	0.17	0.1558	0.299	0.02104
24425-8	SYMC	SYMC	Methionyl-tRNA synthetase, cytoplasmic	P56192	MARS1	4141	TRUE	0.08	0.0976	1.048	0.050848
24426-15	CTNA1	CTNA1	Catenin alpha-1	P35221	CTNNA1	1495	TRUE	0.11	0.1888	0.565	0.096067
24426-191	CTNA1	CTNA1	Catenin alpha-1	P35221	CTNNA1	1495	TRUE	0.09	0.14	0.402	0.055867
24428-76	GDPD1	GDPD1	Lysophospholipase D GDPD1	Q8N9F7	GDPD1	28416 1	TRUE	0.09	0.1413	0.709	0.054623
2443-10	FGF-8B	FGF-8B	Fibroblast growth factor 8 isoform B	P55075	FGF8	2253	TRUE	0.17	0.146	0.465	0.088124
24430-11	ZN580	ZN580	Zinc finger protein 580	Q9UK33	ZNF580	51157	TRUE	0.11	0.1475	0.877	0.034106

24431-32	CMTR1	CMTR1	Cap-specific mRNA (nucleoside-2'-O)-methyltransferase 1	Q8N1G2	CMTR1	23070	TRUE	0.08	0.0936	1.572	0.049512
24432-3	GRAP1	GRAP1	GRIP1-associated protein 1	Q4V328	GRIPAP1	56850	TRUE	0.12	0.1791	1.065	0.060492
24434-16	PHYIP	PHYIP	Phytanoyl-CoA hydroxylase-interacting protein	Q92561	PHYHIP	9796	TRUE	0.18	0.2223	1.67	0.03222
24435-1	Dynamin	Dynamin	Dynamin-1	Q05193	DNM1	1759	TRUE	0.08	0.1582	0.961	0.074801
24436-23	DLGP4	DLGP4	Disks large-associated protein 4	Q9Y2H0	DLGAP4	22839	TRUE	0.14	0.1597	0.906	0.163345
24437-6	YJEN3	YJEN3	YjeF N-terminal domain-containing protein 3	A6XGL0	YJEFN3	37488 7	TRUE	0.1	0.1786	1.038	0.079101
24440-11	KCTD3	KCTD3	BTB/POZ domain-containing protein KCTD3	Q9Y597	KCTD3	51133	TRUE	0.12	0.1112	0.16	0.057314
24441-7	NCBP1	NCBP1	Nuclear cap-binding protein subunit 1	Q09161	NCBP1	4686	TRUE	0.2	0.3099	0.636	0.102597
24443-8	MO4L2	MO4L2	Mortality factor 4-like protein 2	Q15014	MORF4L 2	9643	TRUE	0.14	0.152	0.111	0.076302
24445-38	AF1L2	AF1L2	Actin filament-associated protein 1-like 2	Q8N4X5	AFAP1L2	84632	TRUE	0.22	0.1478	0.443	0.066137
24446-65	MBNL2	MBNL2	Muscleblind-like protein 2	Q5VZF2	MBNL2	10150	TRUE	0.13	0.1827	1.037	0.046711
24447-26	F221A	F221A	Protein FAM221A	A4D161	FAM221 A	34027 7	TRUE	0.07	0.2238	0.65	0.083639
24450-96	CS054	CS054	UPF0692 protein C19orf54	Q5BKX5	C19orf5 4	28432 5	TRUE	0.11	0.125	0.327	0.035856
24454-27	MTD2L	MTD2L	Probable bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydroxymethyltransferase 2	Q9H903	MTHFD2 L	44102 4	TRUE	0.09	0.0869	0.61	0.082603
24455-2	ASAP3	ASAP3	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 3	Q8TDY4	ASAP3	55616	TRUE	0.09	0.1708	0.198	0.070022
24456-3	VSX1	VSX1	Visual system homeobox 1	Q9NZR4	VSX1	30813	TRUE	0.08	0.1204	0.25	0.108063
24457-12	USF2	USF2	USF2	Q15853	USF2	7392	TRUE	0.17	0.1708	0.305	0.045507
24459-15	COPB2	COPB2	Coatamer subunit beta'	P35606	COPB2	9276	TRUE	0.13	0.2065	1.036	0.11025
24462-4	CNGB1	CNGB1	Cyclic nucleotide-gated cation channel beta-1	Q14028	CNGB1	1258	TRUE	0.37	0.3345	0.179	0.026616
24463-1	NDRG2	NDRG2	Protein NDRG2	Q9UN36	NDRG2	57447	TRUE	0.08	0.1344	0.502	0.037497

24465-28	SSX4	SSX4	synovial sarcoma, X breakpoint 4	O60224	SSX4	3	TRUE	0.09	0.1851	2.214	0.062436
24469-10	LPIN1	LPIN1	Phosphatidate phosphatase LPIN1	Q14693	LPIN1	23175	TRUE	0.14	0.2316	0.763	0.067023
24471-2	SETBP	SETBP	SET-binding protein	Q9Y6X0	SETBP1	26040	TRUE	0.06	0.1545	0.13	0.035938
24472-28	SHRPN	SHRPN	Sharpin	Q9H0F6	SHARPIN	81858	TRUE	0.09	0.1208	0.629	0.044845
24474-12	TTC9A	TTC9A	Tetratricopeptide repeat protein 9A	Q92623	TTC9	23508	TRUE	0.13	0.1533	0.936	0.052752
24475-45	SNX12	SNX12	Sorting nexin-12	Q9UMY4	SNX12	29934	TRUE	0.06	0.1284	0.871	0.068838
24476-18	ASC-1 complex subunit p100	ASC-1 complex subunit p100	Activating signal cointegrator 1 complex subunit 2	Q9H118	ASCC2	84164	TRUE	0.12	0.1331	0.313	0.055816
24479-25	T225B	T225B	Transmembrane protein 225B	P0DP42	TMEM2	10028	TRUE	0.13	0.1274	0.15	0.074113
24485-32	BAP31	BAP31	B-cell receptor-associated protein 31	P51572	BCAP31	10134	TRUE	0.13	0.2305	2.22	0.059881
24486-1	B-cell CLL 11A	B-cell CLL 11A	B-cell lymphoma/leukemia 11A	Q9H165	BCL11A	53335	TRUE	0.08	0.092	2.021	0.035202
24488-8	HID1	HID1	Protein HID1	Q8IV36	HID1	7	TRUE	0.12	0.1759	0.806	0.077731
24489-34	HES3	HES3	Transcription factor HES-3	Q5TGS1	HES3	2	TRUE	0.13	0.1189	0.255	0.035416
24490-16	THAP4	THAP4	THAP domain-containing protein 4	Q8WY91	THAP4	51078	TRUE	0.09	0.1227	0.43	0.036734
24493-10	MTMR7	MTMR7	Myotubularin-related protein 7	Q9Y216	MTMR7	9108	TRUE	0.14	0.1615	0.521	0.098101
24494-67	KATL1	KATL1	Katanin p60 ATPase-containing subunit A-like 1	Q9BW62	KATNAL1	84056	TRUE	0.08	0.1091	0.204	0.019447
24496-26	RIPL1	RIPL1	RILP-like protein 1	Q5EBL4	RILPL1	6	TRUE	0.07	0.0797	0.616	0.048258
24497-8	TRIML	TRIML	Probable E3 ubiquitin-protein ligase TRIML1	Q8N9V2	TRIML1	6	TRUE	0.07	0.131	0.704	0.027744
24499-36	LGSN	LGSN	Lengsin	Q5TDP6	LGSN	51557	TRUE	0.08	0.1118	0.183	0.051854
24634-1	DSCR6	DSCR6	Protein ripply3	P57055	RIPPLY3	53820	TRUE	0.06	0.0898	3.055	0.08688
24636-9	Dr1-associated corepressor	Dr1-associated corepressor	Dr1-associated corepressor	Q14919	DRAP1	10589	TRUE	0.11	0.252	0.272	0.065096
24637-3	TCAL5	TCAL5	Transcription elongation factor A protein-like 5	Q5H9L2	TCEAL5	3	TRUE	0.09	0.1101	0.412	0.086745

24638-3	LRA25	LRA25	Leucine repeat adapter protein 25	Q8N5H3	FAM89B	23625	TRUE	0.17	0.3945	0.166	0.044584
24640-63	HEY1	HEY1	Hairy/enhancer-of-split related with YRPW motif protein 1	Q9Y5J3	HEY1	23462	TRUE	0.07	0.0988	0.381	0.068448
24641-10	CLD1	CLD1	Claudin-1	O95832	CLDN1	9076	TRUE	0.17	0.1541	0.489	0.066673
24643-21	CRYL1	CRYL1	Lambda-crystallin homolog	Q9Y2S2	CRYL1	51084	TRUE	0.29	0.3353	0.433	0.054875
24645-2	BIN3	BIN3	Bridging integrator 3	Q9NQY0	BIN3	55909	TRUE	0.09	0.1064	0.439	0.098088
24646-47	SPYA	SPYA	Serine--pyruvate aminotransferase	P21549	AGXT	189	TRUE	0.05	0.0446	1.25	0.039084
24647-3	ABEC2	ABEC2	C->U-editing enzyme APOBEC2	Q9Y235	2	10930	TRUE	0.1	0.1696	1.112	0.082659
24648-8	SLBP	SLBP	Histone RNA hairpin-binding protein	Q14493	SLBP	7884	TRUE	0.16	0.1305	0.365	0.09123
24649-11	NTAQ1	NTAQ1	Protein N-terminal glutamine amidohydrolase	Q96HA8	NTAQ1	55093	TRUE	0.07	0.0926	0.792	0.079347
24651-1	RTN1	RTN1	Reticulon-1	Q16799	RTN1	6252	TRUE	0.1	0.1761	0.258	0.117069
24654-13	HES6	HES6	Transcription cofactor HES-6	Q96HZ4	HES6	55502	TRUE	0.23	0.134	0.164	0.100325
24655-23	RIPL2	RIPL2	RILP-like protein 2	Q969X0	RILPL2	3	TRUE	0.06	0.0918	0.825	0.039125
24656-6	SESQ2	SESQ2	Sesquipedalian-2	Q6ICB4	PHETA2	8	TRUE	0.11	0.1324	0.242	0.078192
24658-98	CC115	CC115	Coiled-coil domain-containing protein 115	Q96NT0	5	84317	TRUE	0.07	0.0896	0.304	0.04357
24659-6	DJB13	DJB13	DnaJ homolog subfamily B member 13	P59910	DNAJB1	37440	TRUE	0.14	0.1493	7.64	0.103466
24662-78	TTC36	TTC36	Tetratricopeptide repeat protein 36	A6NLP5	TTC36	1	TRUE	0.06	0.115	0.372	0.041887
24664-3	INM02	INM02	UPF0510 protein INM02	Q5UCC4	EMC10	1	TRUE	0.13	0.1472	0.193	0.10564
24667-27	CT451	CT451	Cancer/testis antigen family 45 member A1	Q5HYN5	CT45A1	6	TRUE	0.09	0.1607	0.156	0.084853
24669-12	DNJ5B	DNJ5B	DnaJ homolog subfamily C member 5B	Q9UF47	DNAJC5	85479	TRUE	0.08	0.3178	1.537	0.133504
24671-15	ASC	ASC	Apoptosis-associated speck-like protein containing a CARD	Q9ULZ3	PYCARD	29108	TRUE	0.09	0.2783	0.301	0.077828
24674-22	EGLN2	EGLN2	Egl nine homolog 2	Q96KS0	EGLN2	8	TRUE	0.11	0.1794	0.232	0.072717
24676-105	CU059	CU059	Uncharacterized protein C21orf59	P57076	CFAP298	56683	TRUE	0.15	0.2337	0.288	0.153186
24677-106	RER1	RER1	Protein RER1	O15258	RER1	11079	TRUE	0.18	0.3155	0.425	0.108564

24678-10	AVEN	AVEN	Cell death regulator Aven	Q9NQS1	AVEN	57099	TRUE	0.1	0.158	0.288	0.04234
24679-35	ETV7	ETV7	Transcription factor ETV7	Q9Y603	ETV7	51513	TRUE	0.26	0.1783	0.254	0.086628
24680-51	TXND1	TXND1	Thioredoxin domain-containing protein 1	Q9H3N1	TMX1	81542	TRUE	0.07	0.0989	0.843	0.070534
24681-2	SERB	SERB	Phosphoserine phosphatase	P78330	PSPH	5723	TRUE	0.11	0.1491	0.437	0.098194
24684-7	GIMA4	GIMA4	GTPase IMAP family member 4	Q9NUV9	GIMAP4	55303	TRUE	0.05	0.114	0.218	0.120839
24685-12	SNX11	SNX11	Sorting nexin-11	Q9Y5W9	SNX11	29916	TRUE	0.07	0.1868	0.729	0.047773
24686-19	ACBD4	ACBD4	Acyl-CoA-binding domain-containing protein 4	Q8NC06	ACBD4	79777	TRUE	0.08	0.106	0.414	0.074056
24687-18	TTPAL	TTPAL	Alpha-tocopherol transfer protein-like	Q9BTX7	TTPAL	79183	TRUE	0.07	0.1951	0.59	0.043143
24688-9	DMRTB	DMRTB	Doublesex- and mab-3-related transcription factor B1	Q96MA1	DMRTB1	63948	TRUE	0.1	0.1637	0.134	0.070005
24689-9	PTRF	PTRF	Polymerase I and transcript release factor	Q6NZI2	CAVIN1	28411	TRUE	0.07	0.088	0.67	0.042412
24690-1	CABP2	CABP2	Calcium-binding protein 2	Q9NPB3	CABP2	51475	TRUE	0.1	0.1422	0.354	0.102201
24693-5	CLIC3	CLIC3	Chloride intracellular channel protein 3	O95833	CLIC3	9022	TRUE	0.1	0.1323	1.241	0.087891
24694-158	NHERF	NHERF	Ezrin-radixin-moesin-binding phosphoprotein 50	O14745	SLC9A3R1	9368	TRUE	0.07	0.1371	0.74	0.042123
24695-8	PKHB1	PKHB1	Pleckstrin homology domain-containing family B member 1	Q9UF11	PLEKHB1	58473	TRUE	0.08	0.1318	3.048	0.07836
24696-14	MAGIX	MAGIX	PDZ domain-containing protein MAGIX	Q9H6Y5	MAGIX	79917	TRUE	0.47	0.1609	0.23	0.085187
24698-12	PRP18	PRP18	Pre-mRNA-splicing factor 18	Q99633	PRPF18	8559	TRUE	0.1	0.0801	0.334	0.080709
24699-20	AR6P1	AR6P1	ADP-ribosylation factor-like protein 6-interacting protein 1	Q15041	ARL6IP1	23204	TRUE	0.1	0.1684	0.789	0.084132
24701-21	DTNA	DTNA	Dystrobrevin alpha	Q9Y4J8	DTNA	1837	TRUE	0.08	0.1705	0.756	0.061285
24702-31	CC149	CC149	Coiled-coil domain-containing protein 149	Q6ZUS6	CCDC14	91050	TRUE	0.1	0.1633	0.521	0.043552
24704-38	COMD5	COMD5	COMM domain-containing protein 5	Q9GZQ3	COMMD	28991	TRUE	0.11	0.1673	0.25	0.08434
24706-73	CFDP1	CFDP1	Craniofacial development protein 1	Q9UEE9	CFDP1	10428	TRUE	0.11	0.2043	0.317	0.026829
24707-6	CX038	CX038	Uncharacterized protein	Q8TB03	CXorf38	15901	TRUE	0.09	0.1547	0.664	0.055044

24708-7	DHRS3	DHRS3	Short-chain dehydrogenase/reductase 3	Q75911	DHRS3	9249	TRUE	0.07	0.1117	1.608	0.062025
24710-1	MTUS2	MTUS2	Microtubule-associated tumor suppressor candidate 2	Q5JR59	MTUS2	23281	TRUE	0.22	0.0741	0.221	0.097774
24711-21	SHOX	SHOX	Short stature homeobox protein	O15266	SHOX	6473	TRUE	0.07	0.1733	0.366	0.037341
24713-4	MAGIX	MAGIX	PDZ domain-containing protein MAGIX	Q9H6Y5	MAGIX	79917	TRUE	0.12	0.1806	0.159	0.067286
24717-26	PTPA	PTPA	Serine/threonine-protein phosphatase 2A regulatory subunit B'	Q15257	PTPA	5524	TRUE	0.12	0.1185	0.532	0.11522
24720-10	ANR16	ANR16	Ankyrin repeat domain-containing protein 16	Q6P6B7	ANKRD16	54522	TRUE	0.13	0.2397	0.758	0.06409
24721-17	GOLP3	GOLP3	Golgi phosphoprotein 3	Q9H4A6	GOLPH3	64083	TRUE	0.15	0.1521	0.477	0.039397
24723-58	eIF-2-beta	eIF-2-beta	Eukaryotic translation initiation factor 2 subunit 2	P20042	EIF2S2	8894	TRUE	0.12	0.1216	0.818	0.054141
24724-4	VP26B	VP26B	Vacuolar protein sorting-associated protein 26B	Q4G0F5	VPS26B	11293	TRUE	0.08	0.2371	2.423	0.068644
24725-4	CSN5	CSN5	COP9 signalosome complex subunit 5	Q92905	COPS5	10987	TRUE	0.12	0.2099	0.498	0.10013
2474-54	SAP	SAP	Serum amyloid P-component	P02743	APCS	325	TRUE	0.07	0.1247	0.248	0.074439
2475-1	SCF sR	SCF sR	Mast/stem cell growth factor receptor Kit	P10721	KIT	3815	TRUE	0.18	0.1515	0.328	0.04399
2480-58	TIMP-3	TIMP-3	Metalloproteinase inhibitor 3	P35625	TIMP3	7078	TRUE	0.12	0.6442	0.81	0.188255
24891-54	ES8L2	ES8L2	Epidermal growth factor receptor kinase substrate 8-like protein 2	Q9H6S3	EPS8L2	64787	TRUE	0.09	0.1325	0.25	0.076006
24892-8	SHP1L	SHP1L	Testicular spindle-associated protein SHCBP1L	Q9BZQ2	SHCBP1L	81626	TRUE	0.16	0.3519	0.196	0.083401
24895-25	FCSD1	FCSD1	F-BAR and double SH3 domains protein 1	Q86WN1	FCHSD1	89848	TRUE	0.1	0.1905	1.54	0.027516
24900-46	VP9D1	VP9D1	VPS9 domain-containing protein 1	Q9Y2B5	VPS9D1	9605	TRUE	0.08	0.1958	2.57	0.041315
24901-4	VILI	VILI	Villin-1	P09327	VIL1	7429	TRUE	0.12	0.2341	1.031	0.028711
24903-7	KLH14	KLH14	Kelch-like protein 14	Q9P2G3	KLHL14	57565	TRUE	0.14	0.2168	0.285	0.086045
24904-121	STXB4	STXB4	Syntaxin-binding protein 4	Q6ZWJ1	STXBP4	25298	TRUE	0.18	0.209	0.114	0.06445
24905-22	CX04A	CX04A	Protein CXorf40A	Q8TE69	EOLA1	91966	TRUE	0.13	0.124	0.355	0.066438

24907-3	MPPA	MPPA	Mitochondrial-processing peptidase subunit alpha	Q10713	PMPCA	23203	TRUE	0.15	0.2338	0.188	0.134281
24908-19	AMPH	AMPH	Amphiphysin	P49418	AMPH	273	TRUE	0.08	0.1327	0.415	0.079915
24909-40	Phospholipase C-delta-1	Phospholipase C-delta-1	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase delta-1	P51178	PLCD1	5333	TRUE	0.13	0.1371	0.238	0.034441
24910-18	NonO protein	NonO protein	Non-POU domain- containing octamer-binding protein	Q15233	NONO	4841	TRUE	0.06	0.177	0.412	0.069511
24911-57	LRP	LRP	LRP	Q14764	MVP	9961	TRUE	0.1	0.2318	0.71	0.052301
24914-10	EZH2	EZH2	Enhancer of zeste homolog 2	Q15910	EZH2	2146	TRUE	0.08	0.1483	0.922	0.055773
24915-123	CAN13	CAN13	Calpain-13	Q6MZZ7	CAPN13	92291	TRUE	0.19	0.2539	0.278	0.086551
24921-73	HIRP3	HIRP3	HIRA-interacting protein 3	Q9BW71	HIRIP3	8479	TRUE	0.14	0.1506	0.122	0.088512
24922-19	NHLC2	NHLC2	NHL repeat-containing protein 2	Q8NBF2	NHLRC2	37435 4	TRUE	0.14	0.1938	0.145	0.087153
24923-27	SCRN3	SCRN3	Secernin-3	Q0VDG4	SCRN3	79634	TRUE	0.25	0.2198	0.194	0.051768
24926-9	FUBP2	FUBP2	Far upstream element- binding protein 2	Q92945	KHSRP	8570	TRUE	0.08	0.2452	0.431	0.08955
24928-20	MZT2A	MZT2A	Mitotic-spindle organizing protein 2A	Q6P582	MZT2A	65378 4	TRUE	0.14	0.1775	0.112	0.042414
24929-26	SOX6	SOX6	Transcription factor SOX-6	P35712	SOX6	55553	TRUE	0.16	0.2597	3.27	0.077109
24934-96	OGFR	OGFR	Opioid growth factor receptor	Q9NZT2	OGFR	11054	TRUE	0.09	0.0985	0.204	0.088331
24937-7	RHG26	RHG26	Rho GTPase-activating protein 26	Q9UNA1	ARHGAP 26	23092	TRUE	0.11	0.1217	0.254	0.068092
24938-7	AP2B1	AP2B1	AP-2 complex subunit beta-1	P63010	AP2B1	163	TRUE	0.07	4.437	0.772	0.052127
24940-3	IKK-beta	IKK-beta	Inhibitor of nuclear factor kappa B kinase beta subunit	O14920	IKBKB	3551	TRUE	0.1	0.1745	0.242	0.099834
24941-14	CLU	CLU	Clustered mitochondria protein homolog	O75153	CLUH	23277	TRUE	0.09	0.2196	4.646	0.072792
24942-22	UN13D	UN13D	Protein unc-13 homolog D	Q70J99	UNC13D	20129 4	TRUE	0.37	0.4041	1.55	0.113517
24945-16	SNX27	SNX27	Sorting nexin-27	Q96L92	SNX27	81609	TRUE	0.17	0.371	0.577	0.114136
24946-9	RHG22	RHG22	Rho GTPase-activating protein 22	Q7Z5H3	ARHGAP 22	58504	TRUE	0.13	0.2026	0.209	0.053245
24947-40	NUMBL	NUMBL	Numb-like protein	Q9Y6R0	NUMBL	9253	TRUE	0.09	0.1859	0.123	0.055477
24948-79	PSPC1	PSPC1	Paraspeckle component 1	Q8WXF1	PSPC1	55269	TRUE	0.08	0.1601	0.179	0.085624

24950-21	SARG	SARG	Specifically androgen-regulated gene protein	Q9BW04	SARG	79098	TRUE	0.09	0.1388	0.836	0.062043
24951-3	VAC14	VAC14	Protein VAC14 homolog	Q08AM6	VAC14	55697	TRUE	0.1	0.123	2.803	0.06186
24952-28	FUBP3	FUBP3	Far upstream element-binding protein 3	Q96I24	FUBP3	8939	TRUE	0.12	0.124	0.606	0.063299
24954-83	AP1B1	AP1B1	AP-1 complex subunit beta-1	Q10567	AP1B1	162	TRUE	0.19	0.2201	0.146	0.054508
24955-116	ZHX2	ZHX2	Zinc fingers and homeoboxes protein 2	Q9Y6X8	ZHX2	22882	TRUE	0.07	0.1605	0.468	0.071304
24957-6	ESPN	ESPN	Espin	B1AK53	ESPN	83715	TRUE	0.09	0.1283	0.311	0.084437
24958-3	RFX5	RFX5	DNA-binding protein RFX5	P48382	RFX5	5993	TRUE	0.13	0.2305	0.175	0.175526
24959-20	NB5R4	NB5R4	Cytochrome b5 reductase 4	Q7L1T6	CYB5R4	51167	TRUE	0.06	0.1041	0.627	0.056529
24968-10	TIAM2	TIAM2	T-lymphoma invasion and metastasis-inducing protein 2	Q8IVF5	TIAM2	26230	TRUE	0.18	0.1276	0.094	0.088299
24970-117	SRRT	SRRT	Serrate RNA effector molecule homolog	Q9BXP5	SRRT	51593	TRUE	0.11	0.1147	0.753	0.054056
24971-2	SAC2	SAC2	Phosphatidylinositol phosphatase SAC2	Q9Y2H2	INPP5F	22876	TRUE	0.23	0.1512	0.3	0.080387
24973-11	MILK1	MILK1	MICAL-like protein 1	Q8N3F8	MICALL1	85377	TRUE	0.06	0.125	0.184	0.088676
24975-3	FCRLA	FCRLA	Fc receptor-like A Eukaryotic translation initiation factor 3 subunit	Q7L513	FCRLA	84824	TRUE	0.11	0.0925	3.254	0.051944
24979-17	EIF3B	EIF3B	B	P55884	EIF3B	8662	TRUE	0.1	0.209	0.793	0.067283
24981-8	DC1L1	DC1L1	Cytoplasmic dynein 1 light intermediate chain 1	Q9Y6G9	DYNC1LI1	51143	TRUE	0.09	0.0994	0.928	0.049907
24983-119	RB6I2	RB6I2	ELKS/RAB6-interacting/CAST family member 1	Q8IUD2	ERC1	23085	TRUE	0.21	0.1345	0.974	0.081834
2500-2	Angiopoietin-4	Angiopoietin-4	Angiopoietin-4	Q9Y264	ANGPT4	51378	TRUE	0.08	0.085	0.208	0.158285
2501-51	Cadherin E	Cadherin E	Cadherin-1	P12830	CDH1	999	TRUE	0.1	0.2914	0.152	0.073792
25033-194	TER ATPase	TER ATPase	Transitional endoplasmic reticulum ATPase	P55072	VCP	7415	TRUE	0.1	0.1782	0.85	0.066712
25036-10	RAGP1	RAGP1	Ran GTPase-activating protein 1	P46060	RANGAP1	5905	TRUE	0.1	0.1748	0.542	0.044424
25037-4	DNPEP	DNPEP	Aspartyl aminopeptidase	Q9ULA0	DNPEP	23549	TRUE	0.11	0.148	0.398	0.083493
25038-5	WEE2	WEE2	Wee1-like protein kinase 2	POC1S8	WEE2	1	TRUE	0.08	0.2261	0.247	0.083962
25042-3	MAOM	MAOM	NAD-dependent malic enzyme, mitochondrial	P23368	ME2	4200	TRUE	0.11	0.154	1.004	0.087756

25043-74	SCOT	SCOT	Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial	P55809	OXCT1	5019	TRUE	0.1	0.1092	0.763	0.070898
25048-30	PACN2	PACN2	Protein kinase C and casein kinase substrate in neurons protein 2	Q9UNF0	PACSIN2	11252	TRUE	0.1	0.2878	0.963	0.05149
25049-8	NLTP	SCPx	Nonspecific lipid-transfer protein:isoform SCPx	P22307	SCP2	6342	TRUE	0.1	0.1831	1.013	0.125656
2505-49	GFRa-3	GFRa-3	GDNF family receptor alpha-3	O60609	GFRA3	2676	TRUE	0.09	0.0885	0.23	0.051342
25051-104	FTO	FTO	Fat mass and obesity-associated protein	Q9C0B1	FTO	79068	TRUE	0.12	0.1203	0.444	0.093871
25053-1	DC1L2	DC1L2	Cytoplasmic dynein 1 light intermediate chain 2	O43237	DYNC1LI	2	TRUE	0.12	0.1235	0.71	0.090153
25054-15	PRP19	PRP19	Pre-mRNA-processing factor 19	Q9UMS4	PRPF19	27339	TRUE	0.12	0.1308	0.283	0.105415
25055-56	OSBP1	OSBP1	Oxysterol-binding protein 1	P22059	OSBP	5007	TRUE	0.11	0.2731	1.081	0.129169
25057-2	ACTN4	ACTN4	Alpha-actinin-4	O43707	ACTN4	81	TRUE	0.13	0.1846	0.328	0.063071
25059-18	HDAC6	HDAC6	Histone deacetylase 6	Q9UBN7	HDAC6	10013	TRUE	0.09	0.2945	0.467	0.084961
25060-18	MAOX	MAOX	NADP-dependent malic enzyme	P48163	ME1	4199	TRUE	0.14	0.553	0.317	0.061875
25061-8	ELMO2	ELMO2	Engulfment and cell motility protein 2	Q96JJ3	ELMO2	63916	TRUE	0.13	0.2546	0.548	0.064133
25064-34	INP4A	INP4A	Type I inositol-3,4-bisphosphate 4-phosphatase	Q96PE3	INPP4A	3631	TRUE	0.06	0.1346	1.365	0.044896
25065-22	MYBPH	MYBPH	Myosin-binding protein H	Q13203	MYBPH	4608	TRUE	0.1	0.1653	0.368	0.084054
25070-18	MICA1	MICA1	Protein-methionine sulfoxide oxidase MICAL1	Q8TDZ2	MICAL1	64780	TRUE	0.07	0.1763	0.838	0.076297
25072-11	CHD1L	CHD1L	Chromodomain-helicase-DNA-binding protein 1-like	Q86WJ1	CHD1L	9557	TRUE	0.05	0.1015	0.335	0.050396
25073-13	UBE4A	UBE4A	Ubiquitin conjugation factor E4 A	Q14139	UBE4A	9354	TRUE	0.35	0.3718	0.38	0.074677
25074-119	GLPK5	GLPK5	Putative glycerol kinase 5	Q6ZS86	GK5	6	TRUE	0.17	0.2505	0.552	0.033416
25075-2	ZBT10	ZBT10	Zinc finger and BTB domain-containing protein 10	Q96DT7	ZBTB10	65986	TRUE	0.09	0.1662	0.125	0.091948
25078-13	ATG4C	ATG4C	Cysteine protease ATG4C	Q96DT6	ATG4C	84938	TRUE	0.07	0.1543	0.48	0.057229
25080-16	UDB15	UDB15	UDP-glucuronosyltransferase 2B15	P54855	UGT2B1	5	TRUE	0.16	0.1855	0.383	0.065602

25081-6	F16B1	F16B1	Protein FAM160B1	Q5W0V3	FAM160B1	57700	TRUE	0.13	0.1491	1.096	0.095778
25082-3	WASL	WASL	Neural Wiskott-Aldrich syndrome protein	O00401	WASL	8976	TRUE	0.09	0.1204	0.137	0.0625
25083-26	Diaphanous-related formin-1	Diaphanous-related formin-1	Protein diaphanous homolog 1	O60610	DIAPH1	1729	TRUE	0.08	0.2082	0.488	0.112474
25085-37	ASPC1	ASPC1	Tether containing UBX domain for GLUT4	Q9BZE9	ASPSCR1	79058	TRUE	0.08	0.1395	0.544	0.080172
25086-83	GRM2B	GRM2B	GRAM domain-containing protein 2B	Q96HH9	GRAMD2B	65983	TRUE	0.13	0.112	0.514	0.120688
25087-11	DTNA	DTNA	Dystrobrevin alpha	Q9Y4J8	DTNA	1837	TRUE	0.12	0.1348	0.369	0.033269
25089-21	KRIP-1	KRIP-1	Transcription intermediary factor 1-beta	Q13263	TRIM28	10155	TRUE	0.06	0.1966	0.41	0.058331
25092-32	DDX1	DDX1	ATP-dependent RNA helicase DDX1	Q92499	DDX1	1653	TRUE	0.1	0.1238	2.564	0.053277
25094-9	ACSA	ACSA	Acetyl-coenzyme A synthetase, cytoplasmic	Q9NR19	ACSS2	55902	TRUE	0.13	0.1347	0.167	0.067636
25095-1	SNCAP	SNCAP	Synphilin-1	Q9Y6H5	SNCAIP	9627	TRUE	0.11	0.1376	0.341	0.032143
25096-58	MYPC2	MYPC2	Myosin-binding protein C, fast-type	Q14324	MYBPC2	4606	TRUE	0.1	0.1277	0.515	0.105853
25099-4	CAPS2	CAPS2	Calcium-dependent secretion activator 2	Q86UW7	CADPS2	93664	TRUE	0.06	0.0908	0.226	0.044977
25100-11	CMIP	CMIP	C-Maf-inducing protein	Q8IY22	CMIP	80790	TRUE	0.09	0.1692	1.412	0.070333
25102-23	ELP1	ELP1	Elongator complex protein 1	O95163	ELP1	8518	TRUE	0.11	0.1571	4.856	0.05208
25103-45	VPS53	VPS53	Vacuolar protein sorting-associated protein 53 homolog	Q5VIR6	VPS53	55275	TRUE	0.18	0.1403	0.75	0.043284
25105-87	EIF2A	EIF2A	Eukaryotic translation initiation factor 2A	Q9BY44	EIF2A	83939	TRUE	0.21	0.3266	0.757	0.143908
25108-6	ATE1	ATE1	Arginyl-tRNA--protein transferase 1	O95260	ATE1	11101	TRUE	0.06	0.1725	0.791	0.082088
25111-24	RAD18	RAD18	E3 ubiquitin-protein ligase RAD18	Q9NS91	RAD18	56852	TRUE	0.18	0.179	0.209	0.119454
25114-256	TBC24	TBC24	TBC1 domain family member 24	Q9ULP9	TBC1D24	57465	TRUE	0.38	0.4038	0.153	0.094025
25115-21	FHOD1	FHOD1	FH1/FH2 domain-containing protein 1	Q9Y613	FHOD1	29109	TRUE	0.08	0.1079	1.019	0.050946
25116-11	CCDC9	CCDC9	Coiled-coil domain-containing protein 9	Q9Y3X0	CCDC9	26093	TRUE	0.08	0.1154	0.618	0.102765
25117-17	PGM5	PGM5	PGM5	Q15124	PGM5	5239	TRUE	0.06	0.2246	0.359	0.091948
25118-45	BICD1	BICD1	Protein bicaudal D homolog 1	Q96G01	BICD1	636	TRUE	0.11	0.1561	3.495	0.074598

25121-7	NOMO2	NOMO2	Nodal modulator 2	Q5JPE7	NOMO2	0	28382	TRUE	0.1	0.0745	0.217	0.051917
25123-198	APEX2	APEX2	DNA-(apurinic or apyrimidinic site) lyase 2 Zinc finger and BTB domain-containing protein	Q9UBZ4	APEX2	27301		TRUE	0.07	0.1013	1.623	0.058755
25124-21	ZBT7A	ZBT7A	7A	O95365	ZBTB7A	51341		TRUE	0.1	0.0828	0.309	0.077828
25125-7	STAC	STAC	SH3 and cysteine-rich domain-containing protein	Q99469	STAC	6769		TRUE	0.09	0.2462	0.638	0.094886
25126-19	HECW2	HECW2	E3 ubiquitin-protein ligase	Q9P2P5	HECW2	57520		TRUE	0.07	0.0824	0.454	0.069641
2514-65	Ephrin-B3	Ephrin-B3:ECD	Ephrin-B3:Extracellular domain	Q15768	EFNB3	1949		TRUE	0.07	0.1227	0.319	0.038365
2515-14	GFRa-2	GFRa-2	GDNF family receptor alpha-2	O00451	GFRA2	2675		TRUE	0.11	0.1784	0.19	0.076716
2516-57	6Ckine	6Ckine	C-C motif chemokine 21 Sodium/potassium-transporting ATPase gamma chain	O00585	CCL21	6366		TRUE	0.11	0.121	0.272	0.05631
25209-15	ATNG	ATNG	Guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-12 subunit	P54710	FXDY2	486		TRUE	0.07	0.1461	0.183	0.022995
25211-14	GBG12	GBG12	Mitochondrial import inner membrane translocase subunit Tim10	Q9UBI6	GNG12	55970		TRUE	0.11	0.2571	0.783	0.073029
25215-1	TIM10	TIM10	Calgranulin A	P62072	TIMM10	26519		TRUE	0.08	0.13	0.636	0.062328
25216-8	Calgranulin A	Calgranulin A	Signal peptidase complex subunit 1	P05109	S100A8	6279		TRUE	0.13	0.1612	0.273	0.048724
25218-10	SPCS1	SPCS1	V-type proton ATPase subunit F	Q9Y6A9	SPCS1	28972		TRUE	0.17	0.2075	0.126	0.076042
25219-17	VATF	VATF	Cysteine-rich tail protein 1	Q16864	ATP6V1F	9296		TRUE	0.19	0.1415	0.439	0.032219
25220-8	CRTP1	CRTP1	Ferritin heavy polypeptide-like 17	A8MQ03	CYSRT1	1	37579	TRUE	0.07	0.1088	1.657	0.04887
25225-14	FHL17	FHL17	Transcription elongation factor A protein-like 2	Q9BXU8	FTHL17	53940		TRUE	0.09	0.1422	0.647	0.053084
25227-20	TCAL2	TCAL2	C-C motif chemokine 5	Q9H3H9	TCEAL2	7	14059	TRUE	0.07	0.142	0.163	0.02599
2523-31	RANTES	RANTES	EH domain-containing protein 3	P13501	CCL5	6352		TRUE	0.09	0.1794	0.459	0.044953
25232-4	EHD3	EHD3	Mannose-6-phosphate isomerase	Q9NZN3	EHD3	30845		TRUE	0.14	0.5308	0.895	0.059081
25233-2	MPI	MPI	Diphthine methyltransferase	P34949	MPI	4351		TRUE	0.21	0.2059	0.359	0.085921
25235-2	DPH7	DPH7		Q9BTV6	DPH7	92715		TRUE	0.06	0.1015	0.469	0.023952

25236-11	MTL26	MTL26	Methyltransferase-like 26 High mobility group	Q96S19	METTL2	6	84326	TRUE	0.09	0.2192	0.481	0.094583
2524-56	HMG-1	HMG-1	Protein-lysine N-methyltransferase	P09429	HMGB1	3146	TRUE	0.16	0.098	0.219	0.038144	
25240-1	EF2KT	EF2KT	EEF2KMT	Q96G04	EEF2KM T	19648 3	TRUE	0.07	0.0656	4.523	0.037203	
25242-12	CATIP	CATIP	Ciliogenesis-associated TTC17-interacting protein	Q7Z7H3	CATIP	37530 7	TRUE	0.34	0.1146	0.269	0.116045	
25245-22	RIC8A	RIC8A	Synembryn-A Armadillo repeat-	Q9NPQ8	RIC8A	60626	TRUE	0.23	0.2824	0.222	0.06003	
25247-12	ARMC8	ARMC8	containing protein 8	Q8IUR7	ARMC8	25852	TRUE	0.13	0.1892	0.188	0.047506	
25248-28	NUMB	NUMB	Protein numb homolog	P49757	NUMB	8650	TRUE	0.2	0.376	0.903	0.038532	
25249-33	ODPAT	ODPAT	Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial	P29803	PDHA2	5161	TRUE	0.15	0.2373	0.864	0.052342	
25252-29	MTSSL	MTSSL	MTSS1-like protein	Q765P7	MTSS2	92154	TRUE	0.11	0.1301	1.086	0.089305	
25253-17	GNAS	GNAS	Guanine nucleotide-binding protein G(s) subunit alpha isoforms	P63092 Q5JWF2	GNAS	2778	TRUE	0.19	0.1751	0.157	0.062458	
25255-4	TMUB1	TMUB1	Transmembrane and ubiquitin-like domain-containing protein 1	Q9BVT8	TMUB1	83590	TRUE	0.1	0.1116	0.342	0.079158	
25256-153	EF-1-alpha-1	EF-1-alpha-1	Elongation factor 1-alpha 1	P68104	EEF1A1	1915	TRUE	0.08	1.9625	0.945	0.041918	
25256-23	EF-1-alpha-1	EF-1-alpha-1	Elongation factor 1-alpha 1	P68104	EEF1A1	1915	TRUE	0.13	0.1401	1.049	0.065759	
25257-162	OLIG1	OLIG1	Oligodendrocyte transcription factor 1	Q8TAK6	OLIG1	11644 8	TRUE	0.08	0.1218	0.153	0.108334	
25258-41	SPAT5	SPAT5	Spermatogenesis-associated protein 5	Q8NB90	SPATA5	16637 8	TRUE	0.09	0.1663	0.111	0.062053	
25260-62	CO017	CO017	Uncharacterized protein C15orf17	Q5XKK7	FAM219 B	57184	TRUE	0.09	0.0683	0.114	0.040819	
25261-42	ANKS3	ANKS3	Ankyrin repeat and SAM domain-containing protein 3	Q6ZW76	ANKS3	12440 1	TRUE	0.12	0.2577	0.136	0.088389	
25262-6	ZW10	ZW10	Centromere/kinetochore protein zw10 homolog	O43264	ZW10	9183	TRUE	0.1	0.3193	0.321	0.071054	
25264-102	SHIP	SHIP	SHIP	Q92835	INPP5D	3635	TRUE	0.12	0.1769	0.485	0.075819	
25265-8	FNBP1	FNBP1	Formin-binding protein 1	Q96RU3	FNBP1	23048	TRUE	0.07	0.1179	0.432	0.046974	
25266-14	OSBL1	OSBL1	Oxysterol-binding protein-related protein 1	Q9BXW6	OSBPL1 A	11487 6	TRUE	0.09	0.0924	0.787	0.0567	

25270-3	PML	PML	Probable transcription factor PML	P29590	PML	5371	TRUE	0.06	0.1124	0.198	0.065381
25272-17	CAD23	CAD23	Cadherin-23	Q9H251	CDH23	64072	TRUE	0.21	0.3403	0.122	0.011571
25274-2	ANKR2	ANKR2	Ankyrin repeat domain-containing protein 2	Q9GZV1	ANKRD2	26287	TRUE	0.18	0.1762	7.374	0.081372
25275-30	HDAC4	HDAC4	Histone deacetylase 4	P56524	HDAC4	9759	TRUE	0.07	0.2163	0.266	0.107427
25276-32	RABL6	RABL6	Rab-like protein 6	Q3YEC7	RABL6	55684	TRUE	0.12	0.1792	2.053	0.075667
25277-51	PANK1	PANK1	Pantothenate kinase 1	Q8TE04	PANK1	53354	TRUE	0.16	0.1483	0.723	0.033995
25278-41	RHG06	RHG06	Rho GTPase-activating protein 6	O43182	ARHGAP6	395	TRUE	0.23	0.241	1.079	0.060164
25279-44	NVL	NVL	Nuclear valosin-containing protein-like	O15381	NVL	4931	TRUE	0.06	0.0776	2.094	0.104608
25280-2	LIMD1	LIMD1	LIM domain-containing protein 1	Q9UGP4	LIMD1	8994	TRUE	0.19	0.1991	0.592	0.071034
25281-50	DPP8	DPP8	Dipeptidyl peptidase 8	Q6V1X1	DPP8	54878	TRUE	0.25	0.3267	0.117	0.091934
25284-47	UBA6	UBA6	Ubiquitin-like modifier-activating enzyme 6	A0AVT1	UBA6	55236	TRUE	0.12	0.4405	0.889	0.048905
25285-14	KBTBB	KBTBB	Kelch repeat and BTB domain-containing protein 11	O94819	KBTBD1	9920	TRUE	0.11	0.1413	0.217	0.069144
25286-33	RBG1L	RBG1L	Rab GTPase-activating protein 1-like	Q5R372	RABGAP1L	9910	TRUE	0.08	0.096	0.489	0.092303
25287-7	IF4G1	IF4G1	Eukaryotic translation initiation factor 4 gamma 1	Q04637	EIF4G1	1981	TRUE	0.1	0.5426	0.881	0.227017
25288-16	FMO3	FMO3	Dimethylaniline monooxygenase [N-oxide-forming] 3	P31513	FMO3	2328	TRUE	0.09	0.1176	0.121	0.108605
25291-27	PKHM2	PKHM2	Pleckstrin homology domain-containing family M member 2	Q8IWE5	PLEKHM2	23207	TRUE	0.08	0.1961	1.635	0.110568
25292-4	EST3	EST3	Carboxylesterase 3	Q6UWW8	CES3	23491	TRUE	0.18	0.2964	0.745	0.0473
25292-6	EST3	EST3	Carboxylesterase 3	Q6UWW8	CES3	23491	TRUE	0.2	0.2892	0.274	0.057851
25297-11	SPD2B	SPD2B	SH3 and PX domain-containing protein 2B	A1X283	SH3PXD2B	28559	TRUE	0.14	0.2164	0.62	0.027617
25298-53	KDM4C	KDM4C	Lysine-specific demethylase 4C	Q9H3R0	KDM4C	23081	TRUE	0.18	0.1851	1.368	0.055218
25299-11	NCOA7	NCOA7	Nuclear receptor coactivator 7	Q8NI08	NCOA7	13511	TRUE	0.08	0.1479	0.675	0.061062
25308-8	LIMK1	LIMK1	LIM domain kinase 1	P53667	LIMK1	3984	TRUE	0.11	0.1226	0.608	0.071547
25409-5	CC140	CC140	Coiled-coil domain-containing protein 140	Q96MF4	CCDC14	0	TRUE	0.13	0.0839	7.445	0.055464

25412-53	FXYD6	FXYD6	FXYD domain-containing ion transport regulator 6	Q9H0Q3	FXYD6	53826	TRUE	0.19	0.2122	0.213	0.098356
25413-80	GAGE-2	GAGE-2	G antigen 2	Q13066	GAGE2B	2574	TRUE	0.16	0.2431	0.202	0.057326
25414-11	LCE3B	LCE3B	Late cornified envelope protein 3B	Q5TA77	LCE3B	35314 3	TRUE	0.07	0.0968	2.95	0.032682
25416-5	PRAX	PRAX	Periaxin	Q9BXM0	PRX	57716	TRUE	0.12	0.1753	0.958	0.095157
25419-59	SPXN4	SPXN4	Sperm protein associated with the nucleus on the X chromosome N4	Q5MJ08	SPANXN	44152 4	TRUE	0.09	0.1402	0.29	0.087758
25422-58	RPP40	RPP40	Ribonuclease P protein subunit p40	O75818	RPP40	10799	TRUE	0.12	0.2913	0.268	0.082421
25424-234	SYT12	SYT12	Synaptotagmin-12	Q8IV01	SYT12	91683	TRUE	0.08	0.0861	0.37	0.046239
25433-25	NSUN6	NSUN6	Putative methyltransferase NSUN6	Q8TEA1	NSUN6	22107 8	TRUE	0.18	0.1767	0.761	0.070851
25436-44	SCPDL	SCPDL	Saccharopine dehydrogenase-like oxidoreductase	Q8NBX0	SCCPDH	51097	TRUE	0.15	0.2726	0.565	0.059123
25437-18	ANKY2	ANKY2	Ankyrin repeat and MYND domain-containing protein 2	Q8IV38	ANKMY2	57037	TRUE	0.17	0.1146	0.189	0.071189
25438-288	NT5D1	NT5D1	5'-nucleotidase domain-containing protein 1	Q5TFE4	NT5DC1	22129 4	TRUE	0.13	0.1358	0.752	0.079538
25444-29	I5P1	I5P1	Type I inositol 1,4,5-trisphosphate 5-phosphatase	Q14642	INPP5A	3632	TRUE	0.14	0.3373	1.069	0.106145
25446-34	DDI2	DDI2	Protein DDI1 homolog 2	Q5TDH0	DDI2	84301	TRUE	0.22	0.3347	0.368	0.085111
25451-39	YAP1	YAP1	Transcriptional coactivator YAP1	P46937	YAP1	10413 15201	TRUE	0.08	0.1066	4.258	0.113576
25453-57	ROP1B	ROP1B	Ropporin-1B	Q9BZX4	ROPN1B	5	TRUE	0.09	0.1255	0.188	0.100681
25454-38	ANM2	ANM2	Protein arginine N-methyltransferase 2	P55345	PRMT2	3275	TRUE	0.33	0.3554	0.207	0.07255
25456-73	PRS8	PRS8	26S protease regulatory subunit 8	P62195	PSMC5	5705	TRUE	0.12	0.2463	0.326	0.064392
25459-3	MACD2	MACD2	O-acetyl-ADP-ribose deacetylase MACROD2	A1Z1Q3	MACROD2	14073 3	TRUE	0.1	0.1322	1.861	0.097087
25460-36	IRF5	IRF5	Interferon regulatory factor 5	Q13568	IRF5	3663	TRUE	0.2	0.2652	0.114	0.106873
25461-3	ARRS	ARRS	S-arrestin	P10523	SAG	6295	TRUE	0.06	0.2227	0.844	0.031226
25463-3	KAP3	KAP3	cAMP-dependent protein kinase type II-beta regulatory subunit	P31323	PRKAR2B	5577	TRUE	0.08	0.1072	0.814	0.056053

25466-84	KMO	KMO	Kynurenine 3-monooxygenase	O15229	KMO	8564	TRUE	0.26	0.4386	0.24	0.104758
25468-5	SOX-9	SOX-9	SOX-9	P48436	SOX9	6662	TRUE	0.07	0.1043	0.205	0.088055
25472-12	BEGIN	BEGIN	Brain-enriched guanylate kinase-associated protein	Q9BUH8	BEGAIN	57596	TRUE	0.13	0.2832	0.47	0.108185
25473-62	FNTA	FNTA	Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha	P49354	FNTA	2339	TRUE	0.15	0.1659	0.481	0.032335
25479-8	LRRF2	LRRF2	Leucine-rich repeat flightless-interacting protein 2	Q9Y608	LRRFIP2	9209	TRUE	0.11	0.196	1.096	0.090052
25480-21	UBAC1	UBAC1	Ubiquitin-associated domain-containing protein 1	Q9BSL1	UBAC1	10422	TRUE	0.18	0.1668	0.269	0.062352
25481-66	ATX10	ATX10	Ataxin-10	Q9UBB4	ATXN10	25814	TRUE	0.21	0.3056	0.149	0.106167
25482-5	NFIA	NFIA	Nuclear factor 1 A-type	Q12857	NFIA	4774	TRUE	0.12	0.1759	0.225	0.108911
25484-120	ARI3C	ARI3C	AT-rich interactive domain-containing protein 3C	A6NKF2	ARID3C	5	TRUE	0.09	0.2188	0.652	0.116122
25486-38	RM38	RM38	39S ribosomal protein L38, mitochondrial	Q96DV4	MRPL38	64978	TRUE	0.11	0.18	0.463	0.079423
25488-6	PKHO2	PKHO2	Pleckstrin homology domain-containing family O member 2	Q8TD55	PLEKHO2	80301	TRUE	0.11	0.1593	0.637	0.05321
25491-54	LNP	LNP	Endoplasmic reticulum junction formation protein lunapark	Q9C0E8	LNPK	80856	TRUE	0.06	0.0954	0.324	0.071657
25493-11	F221B	F221B	Protein FAM221B	A6H8Z2	FAM221B	39230	TRUE	0.2	0.1769	0.169	0.080553
25499-37	DDHD2	DDHD2	Phospholipase DDHD2	O94830	DDHD2	23259	TRUE	0.12	0.1784	0.77	0.048138
25500-6	RFIP3	RFIP3	Rab11 family-interacting protein 3	O75154	RAB11FI	9727	TRUE	0.1	0.1735	0.765	0.076647
25501-128	CLNK	CLNK	Cytokine-dependent hematopoietic cell linker	Q7Z7G1	CLNK	9	TRUE	0.19	0.2219	1.492	0.078999
2570-72	IGFBP-2	IGFBP-2	Insulin-like growth factor-binding protein 2	P18065	IGFBP2	3485	TRUE	0.07	0.1867	0.666	0.058758
2571-12	IGFBP-3	IGFBP-3	Insulin-like growth factor-binding protein 3	P17936	IGFBP3	3486	TRUE	0.12	0.2145	0.225	0.06238
2575-5	Leptin	Leptin	Leptin	P41159	LEP	3952	TRUE	0.06	0.1522	0.734	0.072889
2578-67	MCP-1	MCP-1	C-C motif chemokine 2	P13500	CCL2	6347	TRUE	0.11	0.1507	0.192	0.066016

2579-17	MMP-9	MMP-9	Matrix metalloproteinase-9	P14780	MMP9	4318	TRUE	0.1	0.1166	0.503	0.038928
2580-83	Myeloper oxidase	Myelope roxidase	Myeloperoxidase	P05164	MPO	4353	TRUE	0.1	0.1425	0.367	0.063208
2585-2	PRL	PRL	Prolactin	P01236	PRL	5617	TRUE	0.14	0.1248	2.396	0.105643
25879-6	KAT5	KAT5	Histone acetyltransferase KAT5	Q92993	KAT5	10524	TRUE	0.1	0.1218	0.715	0.043047
25880-14	Lipoxygenase	Lipoxyge nase	5-Lipoxygenase	P09917	ALOX5	240	TRUE	0.19	0.3017	5.205	0.029863
25886-11	ABCD4	ABCD4	ATP-binding cassette sub-family D member 4	O14678	ABCD4	5826	TRUE	0.13	0.1269	0.565	0.09041
25889-108	AIM2	AIM2	Absent in melanoma 2	O14862	AIM2	9447	TRUE	0.12	0.1705	0.384	0.064564
25895-29	Caspase-5	Caspase-5	Caspase-5	P51878	CASP5	838	TRUE	0.09	0.116	0.775	0.024739
25898-4	CHID1	CHID1	Chitinase domain-containing protein 1	Q9BWS9	CHID1	66005	TRUE	0.1	0.1293	0.549	0.022391
2590-69	ROR1	ROR1	Inactive tyrosine-protein kinase transmembrane receptor ROR1	Q01973	ROR1	4919	TRUE	0.09	0.2439	0.234	0.065253
25901-3	CRTC3	CRTC3	CREB-regulated transcription coactivator 3	Q6UUV7	CRTC3	64784	TRUE	0.11	0.1209	0.744	0.052541
25902-27	DHE3	DHE3	Glutamate dehydrogenase 1, mitochondrial	P00367	GLUD1	2746	TRUE	0.09	0.1092	0.259	0.035596
25904-17	DOCK2	DOCK2	Dedicator of cytokinesis protein 2	Q92608	DOCK2	1794	TRUE	0.2	0.2254	0.138	0.094936
25906-5	EF-1-alpha-1	EF-1-alpha-1	Elongation factor 1-alpha 1	P68104	EEF1A1	1915	TRUE	0.09	0.1796	0.129	0.073689
25907-47	EMAL2	EMAL2	Echinoderm microtubule-associated protein-like 2	O95834	EML2	24139	TRUE	0.1	0.1462	0.315	0.052224
25910-1	FCGBP	FCGBP	IgGFc-binding protein	Q9Y6R7	FCGBP	8857	TRUE	0.2	0.2494	0.206	0.043261
25912-131	FK506 binding protein 1A	FK506 binding protein 1A	FK506 binding protein 1A	P62942	FKBP1A	2280	TRUE	0.21	0.1599	0.454	0.035003
25913-17	FRIH	FRIH	Ferritin heavy chain	P02794	FTH1	2495	TRUE	0.09	0.0966	0.184	0.033058
25917-12	Hexosaminidase A	minidas e A	Beta-hexosaminidase alpha chain	P06865	HEXA	3073	TRUE	0.11	0.1413	0.132	0.033519
25918-60	HLAE	HLAE	HLA class I histocompatibility antigen, alpha chain E	P13747	HLA-E	3133	TRUE	0.17	1.0304	0.127	0.052129

25921-3	Inhibin a subunit	Inhibin a subunit	Inhibin a subunit	P05111	INHA	3623	TRUE	0.23	0.27	0.508	0.058718
25922-7	LRP5	LRP5	Low-density lipoprotein receptor-related protein 5	O75197	LRP5	4041	TRUE	0.13	0.1014	0.214	0.051983
25926-29	LDB1	LDB1	LIM domain-binding protein 1	Q86U70	LDB1	8861	TRUE	0.09	0.1752	0.215	0.044157
25938-13	NGN3 OA	NGN3 OA	Neurogenin-3	Q9Y4Z2	NEUROG3	50674	TRUE	0.2	0.2436	0.579	0.021867
25941-4	synthetas e	synthetas e	2'-5'-oligoadenylate synthetase like protein	Q15646	OASL	8638	TRUE	0.14	0.1693	0.292	0.05031
25948-18	PKN2	PKN2	Serine/threonine-protein kinase N2	Q16513	PKN2	5586	TRUE	0.1	0.1949	1.906	0.062262
25949-3	PLCD3	PLCD3	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3	Q8N3E9	PLCD3	113026	TRUE	0.14	0.1645	1.45	0.098788
25951-17	PRAME	PRAME	Preferentially expressed antigen of melanoma	P78395	PRAME	23532	TRUE	0.18	0.1944	0.411	0.028287
25956-9	RPGF1	RPGF1	Rap guanine nucleotide exchange factor 1	Q13905	RAPGEF1	2889	TRUE	0.17	0.1865	0.16	0.069205
25957-5	SRY	SRY	Sex-determining region Y protein	Q05066	SRY	6736	TRUE	0.12	0.0853	3.396	0.037525
25962-51	WNK1	WNK1	Serine/threonine-protein kinase WNK1	Q9H4A3	WNK1	65125	TRUE	0.11	0.1187	0.672	0.043141
25963-2	XPO5	XPO5	Exportin-5	Q9HAV4	XPO5	57510	TRUE	0.13	0.2351	0.748	0.030833
25964-12	C1QT4	C1QT4	Complement C1q tumor necrosis factor-related protein 4	Q9BXJ3	C1QTNF4	114900	TRUE	0.12	0.1277	0.736	0.043489
25967-34	TIMP-1	TIMP-1	Metalloproteinase inhibitor 1	P01033	TIMP1	7076	TRUE	0.13	0.2376	0.178	0.041469
2597-8	VEGF	VEGF	Vascular endothelial growth factor A	P15692	VEGFA	7422	TRUE	0.08	0.1652	0.133	0.059449
2599-51	4-1BB ligand	4-1BB ligand	Tumor necrosis factor ligand superfamily member 9	P41273	TNFSF9	8744	TRUE	0.08	0.1338	2.177	0.079659
2602-2	Angiopoie tin-2	Angiopoie tin-2	Angiopoietin-2	O15123	ANGPT2	285	TRUE	0.08	0.1595	0.351	0.052414
2603-61	B7	B7	T-lymphocyte activation antigen CD80	P33681	CD80	941	TRUE	0.2	0.1329	0.185	0.090376
2605-49	CD30	CD30	Tumor necrosis factor receptor superfamily member 8	P28908	TNFRSF8	943	TRUE	0.2	0.1256	0.229	0.051104

2607-54	CLF-1/CLC Complex	CLF-1/CLC Complex	Cytokine receptor-like factor 1:Cardiotrophin-like cytokine factor 1 Complex	Q9UBD9 O75462	CLCF1 CRLF1	23529 9244	TRUE	0.1	0.1463	0.404	0.086498
2609-59	Cystatin C	Cystatin C	Cystatin-C	P01034	CST3	1471	TRUE	0.11	0.155	0.174	0.046261
2611-72	Dtk	Dtk	Tyrosine-protein kinase receptor TYRO3	Q06418	TYRO3	7301	TRUE	0.09	0.1011	0.356	0.114871
2612-5	eIF-5	eIF-5	Eukaryotic translation initiation factor 5	P55010	EIF5	1983	TRUE	0.25	0.1988	0.462	0.069555
2614-28	Ephrin-A4	Ephrin-A4	Ephrin-A4	P52798	EFNA4	1945	TRUE	0.12	0.1692	0.129	0.057514
2615-60	Ephrin-A5	Ephrin-A5	Ephrin-A5	P52803	EFNA5	1946	TRUE	0.07	0.1549	0.181	0.231181
2617-56	ERBB3	ERBB3	Receptor tyrosine-protein kinase erbB-3	P21860	ERBB3	2065	TRUE	0.11	0.2055	0.376	0.096004
2619-72	GA733-1 protein gp130, soluble	GA733-1 protein gp130, soluble	Tumor-associated calcium signal transducer 2	P09758	TACSTD2	4070	TRUE	0.06	0.1191	0.402	0.067584
2620-4			Interleukin-6 receptor subunit beta	P40189	IL6ST	3572	TRUE	0.07	0.1735	0.118	0.057279
2622-18	HO-2	HO-2	Heme oxygenase 2	P30519	HMOX2	3163	TRUE	0.12	0.1504	1.072	0.088417
2625-53	HSP 90a	HSP 90a	Hsp90alpha	P07900	HSP90A A1	3320	TRUE	0.08	0.4753	0.662	0.027936
2630-12	IL-1 R AcP	IL-1 R AcP	Interleukin-1 Receptor accessory protein	Q9NPH3	IL1RAP	3556	TRUE	0.09	0.1202	0.367	0.032939
2631-50	IL-10 Rb	IL-10 Rb	Interleukin-10 receptor subunit beta	Q08334	IL10RB	3588	TRUE	0.16	0.1211	0.261	0.076375
2632-5	IL-12 Rb1	IL-12 Rb1	Interleukin-12 receptor subunit beta-1	P42701	IL12RB1	3594	TRUE	0.09	0.1005	0.213	0.03259
2633-52	IL-13 Ra1	IL-13 Ra1	Interleukin-13 receptor subunit alpha-1	P78552	IL13RA1	3597	TRUE	0.09	0.1329	0.249	0.047575
2635-61	Layilin	Layilin	Layilin	Q6UX15	LAYN	14390 3	TRUE	0.18	0.1441	0.328	0.065311
2636-10	Lymphoto xin b R	Lymphoto xin b R	Tumor necrosis factor receptor superfamily member 3	P36941	LTBR	4055	TRUE	0.28	0.1904	0.241	0.097853
2637-77	Macrophage mannose receptor	Macrophage mannose receptor	Macrophage mannose receptor 1	P22897	MRC1	4360	TRUE	0.1	0.1217	0.228	0.098651
2638-12	M-CSF R PAFAH beta	M-CSF R PAFAH beta	Macrophage colony-stimulating factor 1 receptor	P07333	CSF1R	1436	TRUE	0.14	0.0789	0.36	0.064485
2642-4	subunit	subunit	Platelet-activating factor acetylhydrolase IB subunit beta	P68402	PAFAH1 B2	5049	TRUE	0.24	0.1552	0.77	0.050629

2643-57	P-Cadherin	P-Cadherin	Cadherin-3	P22223	CDH3	1001	TRUE	0.15	0.5654	0.161	0.032773
2644-11	PKC-A	PKC-A	Protein kinase C alpha type	P17252	PRKCA	5578	TRUE	0.1	0.1437	1.059	0.126141
2645-54	PKC-Z	PKC-Z	Protein kinase C zeta type	Q05513	PRKCZ	5590	TRUE	0.1	0.1278	0.366	0.04978
2647-66	Rab GDP dissociation inhibitor beta	Rab GDP dissociation inhibitor beta	Rab GDP dissociation inhibitor beta	P50395	GDI2	2665	TRUE	0.07	4.3494	0.462	0.055235
2652-15	suPAR	suPAR	Urokinase plasminogen activator surface receptor	Q03405	PLAUR	5329	TRUE	0.09	0.1323	0.272	0.042542
2654-19	TNF sR-I	TNF sR-I	Tumor necrosis factor receptor superfamily member 1A	P19438	TNFRSF1A	7132	TRUE	0.06	0.1774	0.233	0.092477
2658-27	TrkC	TrkC	NT-3 growth factor receptor	Q16288	NTRK3	4916	TRUE	0.07	0.1569	0.191	0.0253
2665-26	BCMA	BCMA	Tumor necrosis factor receptor superfamily member 17	Q02223	TNFRSF17	608	TRUE	0.1	0.1203	0.268	0.022577
2666-53	Bone proteoglycan II	Bone proteoglycan II	Decorin	P07585	DCN	1634	TRUE	0.08	0.1679	0.216	0.038468
2668-70	Calpain I	Calpain I	Calpain I	P04632 P07384	CAPNS1 CAPN1	826 23	TRUE	0.08	1.2707	0.738	0.033305
2670-67	CK-MM	CK-MM	Creatine kinase M-type	P06732	CKM	1158	TRUE	0.07	0.0855	1.173	0.082811
2677-1	ERBB1	ERBB1	Epidermal growth factor receptor	P00533	EGFR	1956	TRUE	0.08	0.1807	0.151	0.080836
2681-23	HGF	HGF	Hepatocyte growth factor	P14210	HGF	3082	TRUE	0.06	0.1916	0.544	0.033546
2682-68	HSP 60	HSP 60	60 kDa heat shock protein, mitochondrial	P10809	HSPD1	3329	TRUE	0.11	0.2267	0.963	0.057169
2683-1	iC3b	iC3b	Complement C3b, inactivated	P01024	C3	718	TRUE	0.25	0.2089	0.372	0.030086
2685-21	IGFBP-5	IGFBP-5	Insulin-like growth factor-binding protein 5	P24593	IGFBP5	3488	TRUE	0.11	0.3019	0.233	0.070908
2686-67	IGFBP-6	IGFBP-6	Insulin-like growth factor-binding protein 6	P24592	IGFBP6	3489	TRUE	0.14	0.1383	0.225	0.066846
2687-2	MIA	MIA	Melanoma-derived growth regulatory protein	Q16674	MIA	8190	TRUE	0.08	0.1342	0.239	0.032911
2692-74	NPS-PLA2	NPS-PLA2	Phospholipase A2, membrane associated	P14555	PLA2G2A	5320	TRUE	0.11	0.4066	0.378	0.04478

2693-20	OSM	OSM	Oncostatin-M	P13725	OSM	5008	TRUE	0.31	0.1445	0.263	0.060496
2696-87	Persephin	Persephin	Persephin	O60542	PSPN	5623	TRUE	0.12	0.1389	0.388	0.07905
2697-7	PF-4	PF-4	Platelet factor 4	P02776	PF4	5196	TRUE	0.08	0.3117	0.796	0.047056
2700-56	Protein S	Protein S	Vitamin K-dependent protein S	P07225	PROS1	5627	TRUE	0.1	0.2029	0.113	0.022188
2704-74	TACI	TACI	Tumor necrosis factor receptor superfamily member 13B	O14836	TNFRSF13B	23495	TRUE	0.13	0.1716	0.116	0.072408
2705-5	TECK	TECK	C-C motif chemokine 25	O15444	CCL25	6370	TRUE	0.1	0.139	0.366	0.038424
2706-69	Thyroxine-binding globulin	Thyroxine-binding globulin	Thyroxine-binding globulin	P05543	SERPINA7	6906	TRUE	0.08	0.0854	0.193	0.073215
2708-54	TNFSF18	TNFSF18	Tumor necrosis factor ligand superfamily member 18	Q9UNG2	TNFSF18	8995	TRUE	0.13	0.1189	0.214	0.083188
2711-6	CNTFR alpha	CNTFR alpha	Ciliary neurotrophic factor receptor subunit alpha	P26992	CNTFR	1271	TRUE	0.07	0.1689	0.231	0.062671
2714-78	EMAP-2	EMAP-2	Endothelial monocyte-activating polypeptide 2	Q12904	AIMP1	9255	TRUE	0.08	0.1957	0.218	0.075971
2715-25	EPO-R	EPO-R	Erythropoietin receptor	P19235	EPOR	2057	TRUE	0.06	0.1428	0.196	0.066641
2719-3	G-CSF-R	G-CSF-R	Granulocyte colony-stimulating factor receptor	Q99062	CSF3R	1441	TRUE	0.13	0.1267	0.469	0.03595
2723-9	IL-1F7	IL-1F7	Interleukin-37	Q9NZH6	IL37	27178	TRUE	0.27	0.1409	0.246	0.096637
2728-62	Tenascin	Tenascin	Tenascin	P24821	TNC	3371	TRUE	0.13	0.1759	0.299	0.032595
2730-58	MICA	MICA	MHC class I polypeptide-related sequence A	Q29983	MICA	7436	TRUE	0.15	0.1332	0.401	0.069992
2731-29	NADPH-oxidase	NADPH-oxidase	NADPH--cytochrome P450 reductase	P16435	POR	5447	TRUE	0.13	0.1974	0.466	0.066912
2734-49	NKp44	NKp44	Natural cytotoxicity triggering receptor 2	O95944	NCR2	9436	TRUE	0.07	0.153	0.115	0.071761
2737-22	NovH	NovH	Protein NOV homolog	P48745	CCN3	4856	TRUE	0.16	0.1459	0.166	0.077718
2741-22	Siglec-6	Siglec-6	Sialic acid-binding Ig-like lectin 6	O43699	SIGLEC6	946	TRUE	0.06	0.1302	0.29	0.05075
2742-68	Siglec-7	Siglec-7	Sialic acid-binding Ig-like lectin 7	Q9Y286	SIGLEC7	27036	TRUE	0.08	0.1179	0.213	0.048156

	Sonic Hedgehog	Sonic Hedgehog									
2743-5 2744-	Hedgehog	og	Sonic hedgehog protein	Q15465	SHH	6469	TRUE	0.14	0.3185	0.268	0.09512
57 2746-	IgG	IgG	Immunoglobulin G	P01857	IGHG1		TRUE	0.06	0.1988	0.121	0.030775
56	TSLP R	TSLP R	Cytokine receptor-like factor 2	Q9HC73	CRLF2	64109	TRUE	0.11	0.1114	0.279	0.048174
2747-3	ULBP-3	ULBP-3	NKG2D ligand 3	Q9BZM4	ULBP3	79465	TRUE	0.08	0.1429	0.237	0.037521
2748-3	Activin A	Activin A	Activin A	P08476	INHBA	3624	TRUE	0.07	0.1703	0.374	0.040965
2750-3 2752-	Apo A-I	Apo A-I	Apolipoprotein A-I	P02647	APOA1	335	TRUE	0.09	0.2743	0.237	0.036367
62	BMP-14	BMP-14	Growth/differentiation factor 5	P43026	GDF5	8200	TRUE	0.1	0.1351	0.443	0.029005
2753-2 2754-	C1q	C1q	Complement C1q subcomponent	P02747 P02746 P02745	C1QC C1QB C1QA	714 713 712	TRUE	0.1	0.4719	0.136	0.098562
50	C3	C3	Complement C3	P01024	C3	718	TRUE	0.31	0.6872	0.296	0.068383
2755-8	Unknown	C3adesA rg	C3a anaphylatoxin des Arginine	P01024	C3 FAM107	718	TRUE	0.31	0.4274	0.256	0.112191
2760-2 2762-	DRR1	DRR1	Protein FAM107A	O95990	A	11170	TRUE	0.09	0.0963	2.466	0.054534
30 2763-	FGF-19	FGF-19	Fibroblast growth factor 19	O95750	FGF19	9965	TRUE	0.09	0.1911	0.711	0.055993
66	FGF-20	FGF-20	Fibroblast growth factor 20	Q9NP95	FGF20	26281	TRUE	0.07	0.1193	2.431	0.034225
2765-4 2768-	GDF-11/8	GDF-11/8	Growth/differentiation factor 11/8	O14793 O95390	MSTN GDF11	2660 10220	TRUE	0.11	0.1334	0.364	0.051473
56 2770-	Hemopexin	Hemopexin	Hemopexin	P02790	HPX	3263	TRUE	0.08	0.1608	0.474	0.036653
51	I-309	I-309	C-C motif chemokine 1	P22362	CCL1	6346	TRUE	0.26	0.1602	0.248	0.068191
2771- 35 2774-	IGFBP-1	IGFBP-1	Insulin-like growth factor-binding protein 1	P08833	IGFBP1	3484	TRUE	0.09	0.2317	1.615	0.080105
10 2775-	IL-16	IL-16	Interleukin-16	Q14005	IL16	3603	TRUE	0.07	0.1939	0.251	0.05423
54 2778-	IL-17F	IL-17F	Interleukin-17F	Q96PD4	IL17F	4	TRUE	0.09	0.2047	6.738	0.047719
10 2780-	IL-22	IL-22	Interleukin-22	Q9GZX6	IL22	50616	TRUE	0.06	0.1386	0.846	0.044032
35 2789-	Lactoferrin	Lactoferrin	Lactotransferrin	P02788	LTF	4057	TRUE	5.67	2.2991	0.494	0.03867
26 2790-	MMP-7	MMP-7	Matrilysin	P09237	MMP7	4316	TRUE	0.1	0.2003	0.398	0.04143
54 2794-	NAP-2	NAP-2	Neutrophil-activating peptide 2	P02775	PPBP	5473	TRUE	0.07	0.2162	0.753	0.026513
60	SOD	SOD	Superoxide dismutase [Cu-Zn]	P00441	SOD1	6647	TRUE	0.12	0.1499	1.036	0.038998

2796-62	Fibrinogen	Fibrinogen	Fibrinogen	P02679 P02675 P02671	2266 FGG FG B FGA	2244 2243	TRUE	0.14	0.2003	0.123	0.045324
2797-56	Apo B	Apo B	Apolipoprotein B	P04114	APOB	338	TRUE	0.11	0.2547	0.227	0.066582
2805-6	ACE2	ACE2	Angiotensin-converting enzyme 2	Q9BYF1	ACE2	59272	TRUE	0.21	0.3144	0.247	0.069173
2811-27	Angiopoietin-1	Angiopoietin-1	Angiopoietin-1	Q15389	ANGPT1	284	TRUE	0.09	0.2981	0.627	0.050992
2813-11	ART	ART	Agouti-related protein	O00253	AGRP	181	TRUE	0.17	0.1751	0.275	0.017722
2816-50	BCAM	BCAM	Basal Cell Adhesion Molecule	P50895	BCAM	4059	TRUE	0.11	0.1059	0.237	0.039669
2819-23	Cadherin-5	Cadherin-5	Cadherin-5	P33151	CDH5	1003	TRUE	0.11	0.2139	0.226	0.080063
2822-56	CD97	CD97	CD97 antigen	P48960	ADGRE5	976	TRUE	0.31	0.1492	0.288	0.038671
2823-7	COMMD7	COMMD7	COMM domain-containing protein 7	Q86VX2	COMMD7	14995	TRUE	0.11	0.1622	0.28	0.084091
2826-53	EDA	EDA	Ectodysplasin-A, secreted form	Q92838	EDA	1896	TRUE	0.15	0.1884	0.19	0.130265
2827-23	Fractalkin	Fractalkin	Fractalkine	P78423	CX3CL1	6376	TRUE	0.26	0.1672	0.244	0.042052
2828-82	HAI-1	HAI-1	Kunitz-type protease inhibitor 1	O43278	SPINT1	6692	TRUE	0.13	0.1269	0.491	0.079357
2831-29	Kallikrein 11	Kallikrein 11	Kallikrein-11	Q9UBX7	KLK11	11012	TRUE	0.09	0.2709	0.197	0.072911
2835-1	Ku70	Ku70	X-ray repair cross-complementing protein 6	P12956	XRCC6	2547	TRUE	0.08	0.1399	1.32	0.143539
2836-68	Lipocalin 2	Lipocalin 2	Neutrophil gelatinase-associated lipocalin	P80188	LCN2	3934	TRUE	4.47	0.2539	0.314	0.050808
2837-3	Met	Met	Hepatocyte growth factor receptor	P08581	MET	4233	TRUE	0.12	0.2164	0.187	0.035212
2838-53	MMP-17	MMP-17	Matrix metalloproteinase-17	Q9ULZ9	MMP17	4326	TRUE	0.13	0.1128	0.2	0.135982
2841-13	sFRP-3	sFRP-3	Secreted frizzled-related protein 3	Q92765	FRZB	2487	TRUE	0.2	0.0974	2.213	0.059635
2843-13	SPINT2	SPINT2	Kunitz-type protease inhibitor 2	O43291	SPINT2	10653	TRUE	0.08	0.1505	0.285	0.047612
2844-53	sTie-1	sTie-1	Tyrosine-protein kinase receptor Tie-1, soluble	P35590	TIE1	7075	TRUE	0.14	0.2109	0.254	0.038768
2846-24	Ubiquitin +1	Ubiquitin +1	Ubiquitin+1, truncated mutation for UbB	P62979	RPS27A	6233	TRUE	0.21	4.8891	0.322	0.063745
2848-2	WIF-1	WIF-1	Wnt inhibitory factor 1	Q9Y5W5	WIF1	11197	TRUE	0.17	0.1439	0.185	0.06279
2849-49	AIF1	AIF1	Allograft inflammatory factor 1	P55008	AIF1	199	TRUE	0.1	0.1335	0.368	0.07454

2851-63	C5a	C5a	C5a anaphylatoxin	P01031	C5	727	TRUE	0.13	0.2674	0.169	0.096984
2853-68	CHK1	CHK1	Serine/threonine-protein kinase Chk1	O14757	CHEK1	1111	TRUE	0.1	0.0716	0.192	0.025224
2855-49	ERK-1	ERK-1	Mitogen-activated protein kinase 3	P27361	MAPK3	5595	TRUE	0.11	0.258	0.762	0.0661
2858-29	Hat1	Hat1	Histone acetyltransferase type B catalytic subunit	O14929	HAT1	8520	TRUE	0.15	0.2102	0.337	0.093406
2859-69	HDAC8	HDAC8	Histone deacetylase 8	Q9BY41	HDAC8	55869	TRUE	0.15	0.1443	0.216	0.039267
2860-19	Karyopherin-a2	Karyopherin-a2	Importin subunit alpha-1	P52292	KPNA2	3838	TRUE	0.09	0.1333	0.236	0.053691
2864-2	MEK1	MEK1	Dual specificity mitogen-activated protein kinase kinase 1	Q02750	MAP2K1	5604	TRUE	0.09	0.1231	0.269	0.037042
2867-52	PKB	PKB	RAC-alpha serine/threonine-protein kinase	P31749	AKT1	207	TRUE	0.07	0.1454	0.669	0.074453
2869-68	PKC-D	PKC-D	Protein kinase C delta type	Q05655	PRKCD	5580	TRUE	0.09	0.0965	0.182	0.050814
2870-29	RAC1	RAC1	Ras-related C3 botulinum toxin substrate 1	P63000	RAC1	5879	TRUE	0.25	0.3394	0.901	0.021269
2871-73	RAD51	RAD51	DNA repair protein RAD51 homolog 1	Q06609	RAD51	5888	TRUE	0.29	0.2515	0.283	0.07372
2875-15	TBP	TBP	TATA-box-binding protein	P20226	TBP	6908	TRUE	0.08	0.1672	0.83	0.056122
2877-3	UBC9	UBC9	SUMO-conjugating enzyme UBC9	P63279	UBE2I	7329	TRUE	0.11	0.1918	0.615	0.05012
2878-66	YES	YES	Tyrosine-protein kinase Yes	P07947	YES1	7525	TRUE	0.13	0.1651	0.196	0.070674
2879-9	Antichymotrypsin	Antichymotrypsin	Alpha-1-antichymotrypsin	P01011	SERPINA3	12	TRUE	0.07	0.3865	0.098	0.036187
2888-49	C7	C7	Complement component C7	P10643	C7	730	TRUE	0.17	0.2499	0.197	0.041761
2889-37	Cardiotrophin-1	Cardiotrophin-1	Cardiotrophin-1	Q16619	CTF1	1489	TRUE	0.14	0.112	1.407	0.057042
2890-59	CCL28	CCL28	C-C motif chemokine 28	Q9NRJ3	CCL28	56477	TRUE	0.09	0.1661	0.625	0.074924
2891-1	Unknown	CD22	B-cell receptor CD22	P20273	CD22	933	TRUE	0.19	0.1756	0.459	0.053948
2900-53	HCC-1	HCC-1	C-C motif chemokine 14	Q16627	CCL14	6358	TRUE	0.17	0.1751	0.343	0.065397
2911-27	Midkine	Midkine	Midkine	P21741	MDK	4192	TRUE	0.09	0.1394	0.45	0.072076
2913-1	MPIF-1	MPIF-1	C-C motif chemokine 23	P55773	CCL23	6368	TRUE	0.12	0.1404	0.259	0.128542

2925-9	PAI-1	PAI-1	Plasminogen activator inhibitor 1	P05121	SERPINE1	5054	TRUE	0.11	0.2344	0.524	0.069138
2937-10	Apo E3	Apo E3	Apolipoprotein E (isoform E3)	P02649	APOE	348	TRUE	0.16	0.1365	0.33	0.035657
2938-55	Unknown	Apo E4	Apolipoprotein E (isoform E4)	P02649	APOE	348	TRUE	0.13	0.1142	0.307	0.035571
2939-10	Artemin	Artemin	Artemin	Q5T4W7	ARTN	9048	TRUE	0.09	0.1206	2.015	0.045637
2942-50	Cytochrome c	Cytochrome c	Cytochrome c	P99999	CYCS	54205	TRUE	0.07	0.1228	2.395	0.020947
2943-5	3A4	3A4	Cytochrome P450 3A4 Neuroblastoma suppressor of	P08684	CYP3A4	1576	TRUE	0.11	0.1824	0.214	0.045386
2944-66	DAN	DAN	tumorigenicity 1	P41271	NBL1	2736	TRUE	0.08	0.1732	0.229	0.03236
2946-52	Factor D	Factor D	Complement factor D	P00746	CFD	1675	TRUE	0.14	0.9675	0.22	0.13447
2948-58	Growth hormone receptor	Growth hormone receptor	Growth hormone receptor	P10912	GHR	2690	TRUE	0.11	0.4184	0.331	0.046688
2949-6	GX	GX	Group 10 secretory phospholipase A2	O15496	PLA2G10	8399	TRUE	0.12	0.092	0.279	0.045043
2950-57	IGFBP-4	IGFBP-4	Insulin-like growth factor-binding protein 4	P22692	IGFBP4	3487	TRUE	0.08	0.0815	0.129	0.025741
2952-75	IGF-I	IGF-I	Insulin-like growth factor I	P05019	IGF1	3479	TRUE	0.12	0.4702	0.334	0.143812
2953-31	Luteinizing hormone	Luteinizing hormone	Luteinizing hormone	P01229 P01215	LHB CGA	3972 1081	TRUE	0.09	0.0943	1.037	0.064618
2954-56	MMP-8	MMP-8	Neutrophil collagenase	P22894	MMP8	4317	TRUE	0.05	0.1919	0.373	0.0696
2961-1	Protein C	Protein C	Vitamin K-dependent protein C	P04070	PROC	5624	TRUE	0.06	0.1863	0.129	0.06807
2962-50	PTHrP	PTHrP	Parathyroid hormone-related protein	P12272	PTHLH	5744	TRUE	0.05	0.1044	0.579	0.051501
2966-65	SCGF-beta	SCGF-beta	Stem cell growth factor-beta	Q9Y240	CLEC11A	6320	TRUE	0.08	0.1367	0.261	0.050367
2967-8	VCAM-1	VCAM-1	Vascular cell adhesion protein 1	P19320	VCAM1	7412	TRUE	0.13	0.2189	0.265	0.035667
2969-11	ALK-1	ALK-1	Serine/threonine-protein kinase receptor R3	P37023	ACVRL1	94	TRUE	0.12	0.1456	0.638	0.046544
2970-60	AREG	AREG	Amphiregulin	P15514	AREG	374	TRUE	0.08	0.1947	0.397	0.049026

Accession	Gene Symbol	Gene Name	Protein Name	UniProt ID	Gene Symbol	Accession	Length	CD	Score	Score	Score	Score
2973-15	CD36	ANTIGE	Platelet glycoprotein 4	P16671	CD36	948	TRUE	0.09	0.2449	0.324	0.075341	
2974-61	contactin-1	contacti	Contactin-1	Q12860	CNTN1	1272	TRUE	0.1	0.1947	0.211	0.170754	
2975-19	CTGF	CTGF	Connective tissue growth factor	P29279	CCN2	1490	TRUE	0.09	0.1776	0.242	0.105098	
2976-58	Desmoglein-1	Desmogl	Desmoglein-1	Q02413	DSG1	1828	TRUE	0.23	0.2147	0.2	0.037016	
2977-7	EDAR	EDAR	Tumor necrosis factor receptor superfamily member EDAR	Q9UNE0	EDAR	10913	TRUE	0.14	0.2212	0.351	0.067264	
2979-8	ENA-78	ENA-78	C-X-C motif chemokine 5	P42830	CXCL5	6374	TRUE	0.13	0.1532	2.782	0.048447	
2981-9	ESAM	ESAM	Endothelial cell-selective adhesion molecule	Q96AP7	ESAM	90952	TRUE	0.07	0.1957	0.246	0.088453	
2982-82	Galectin-4	Galectin-4	Galectin-4	P56470	LGALS4	3960	TRUE	0.07	0.1208	0.538	0.080755	
2985-35	Gro-a	Gro-a	Growth-regulated alpha protein	P09341	CXCL1	2919	TRUE	0.26	0.2521	0.746	0.05435	
2986-49	Gro-g	Gro-g	Gro-gamma	P19876	CXCL3	2921	TRUE	0.12	0.1773	0.629	0.07173	
2987-37	Histone H1.2	Histone H1.2	Histone H1.2	P16403	H1-2	3006	TRUE	0.15	0.1299	2.589	0.095495	
2989-17	IFN-g	IFN-g	Interferon gamma	P01579	IFNG	3458	TRUE	0.17	0.1938	0.344	0.057413	
2991-9	IL-1 sRI	IL-1 sRI	Interleukin-1 receptor type 1	P14778	IL1R1	3554	TRUE	0.09	0.3192	0.244	0.080822	
2992-59	IL-17 sR	IL-17 sR	Interleukin-17 receptor A	Q96F46	IL17RA	23765	TRUE	0.06	0.2546	0.467	0.082713	
2994-71	IL-1Rrp2	IL-1Rrp2	Interleukin-1 receptor-like 2	Q9HB29	IL1RL2	8808	TRUE	0.09	0.1493	0.121	0.046397	
2997-8	JAM-B	JAM-B	Junctional adhesion molecule B	P57087	JAM2	58494	TRUE	0.13	0.159	0.124	0.07358	
2999-6	LSAMP	LSAMP	Limbic system-associated membrane protein	Q13449	LSAMP	4045	TRUE	0.08	0.145	0.201	0.091543	
3004-67	PD-L2	PD-L2	Programmed cell death 1 ligand 2	Q9BQ51	PDCD1L	80380	TRUE	0.06	0.1528	0.223	0.040001	
3005-5	PTP-1B	PTP-1B	Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	5770	TRUE	0.17	0.1771	0.277	0.044774	
3007-7	Siglec-9	Siglec-9	Sialic acid-binding Ig-like lectin 9	Q9Y336	SIGLEC9	27180	TRUE	0.08	0.2224	0.721	0.036338	
3009-3	TGF-b R III	TGF-b R III	Transforming growth factor beta receptor type 3	Q03167	TGFBR3	7049	TRUE	0.08	0.1258	0.196	0.081888	
3024-18	Antiplasmin	Antiplasmin	Alpha-2-antiplasmin	P08697	SERPINF	5345	TRUE	0.09	0.1921	0.102	0.044115	

3025-50	bFGF Calpastatin	bFGF Calpastatin	Fibroblast growth factor 2	P09038	FGF2	2247	TRUE	0.14	0.2106	0.899	0.068498
3026-53028-36	n	tin	Calpastatin	P20810	CAST	831	TRUE	0.11	0.4375	0.544	0.060498
3029-52	DC-SIGN	DC-SIGN	CD209 antigen	Q9NNX6	CD209	30835	TRUE	0.08	0.094	0.386	0.066556
3032-11	FSH	FSH	Follicle stimulating hormone	P01225 P01215	FSHB C GA	2488 1081	TRUE	0.09	0.2559	1.277	0.059596
3033-57	Galectin-2	Galectin-2	Galectin-2	P05162	LGALS2	3957	TRUE	0.05	0.1486	0.457	0.056426
3034-13040-59	GFAP	GFAP	Glial fibrillary acidic protein	P14136	GFAP	2670	TRUE	0.07	0.0905	1.989	0.143501
3041-55	MIP-1a	MIP-1a	C-C motif chemokine 3	P10147	CCL3	6348	TRUE	0.12	0.1601	0.251	0.038925
3042-73043-49	MRC2	MRC2	C-type mannose receptor 2	Q9UBG0	MRC2	9902	TRUE	0.08	0.6146	0.215	0.096315
3044-33045-72	Myoglobin	Myoglobin	Myoglobin	P02144	MB	4151	TRUE	0.1	0.4108	0.27	0.069024
3046-31	ON	ON	SPARC	P09486	SPARC	6678	TRUE	0.07	0.1421	0.639	0.087489
3049-61	PARC	PARC	C-C motif chemokine 18	P55774	CCL18	6362	TRUE	0.1	0.135	0.43	0.093926
3050-73052-8	PTN	PTN	Pleiotrophin	P21246	PTN	5764	TRUE	0.09	0.3566	0.285	0.050995
3053-49	resistin	resistin	Resistin	Q9HD89	RETN	56729	TRUE	0.07	0.2046	0.309	0.131021
3054-3	Trypsin	Trypsin	Trypsin-1	P07477	PRSS1	5644	TRUE	0.09	0.1226	0.484	0.053854
3057-55	vWF	vWF	von Willebrand factor	P04275	VWF	7450	TRUE	0.3	0.1866	0.452	0.05194
3059-50	Fas ligand, soluble	Fas ligand, soluble	Tumor necrosis factor ligand superfamily member 6, soluble form	P48023	FASLG	356	TRUE	0.11	0.1188	0.301	0.048542
3060-43	Flt3 ligand	Flt3 ligand	Fms-related tyrosine kinase 3 ligand	P49771	FLT3LG	2323	TRUE	0.09	0.2394	2.615	0.08282
3061-61	Haptoglobin, Mixed Type	Haptoglobin, Mixed Type	Haptoglobin	P00738	HP	3240	TRUE	0.08	0.1237	0.517	0.107984
3061-61	WISP-1	WISP-1	WNT1-inducible-signaling pathway protein 1	O95388	CCN4	8840	TRUE	0.11	0.1739	0.145	0.05659
3061-61	BAFF	BAFF	Tumor necrosis factor ligand superfamily member 13B	Q9Y275	TNFSF13B	10673	TRUE	0.06	0.1495	0.347	0.052371
3061-61	C9	C9	Complement component C9	P02748	C9	735	TRUE	0.07	0.2897	0.293	0.081073
3061-61	Cathepsin B	Cathepsin B	Cathepsin B	P07858	CTSB	1508	TRUE	0.11	1.4138	0.217	0.071833

3066-12	Galectin-3	Galectin-3	Galectin-3	P17931	LGALS3	3958	TRUE	0.17	3.8492	0.214	0.095618
3067-67	GDF-9	GDF-9	Growth/differentiation factor 9	O60383	GDF9	2661	TRUE	0.16	0.257	3.359	0.090831
3069-52	IgM	IgM	Immunoglobulin M	P01871	IGHM		TRUE	0.09	0.1677	0.421	0.063555
3070-1	IL-2	IL-2	Interleukin-2	P60568	IL2	3558	TRUE	0.08	0.1314	1.956	0.078027
3072-4	IL-13	IL-13	Interleukin-13	P35225	IL13	3596	TRUE	0.12	0.1905	0.14	0.058898
3073-51	IL-18 BPa	IL-18 BPa	Interleukin-18-binding protein	O95998	IL18BP	10068	TRUE	0.15	0.196	0.289	0.082382
3074-6	LBP	LBP	Lipopolysaccharide-binding protein	P18428	LBP	3929	TRUE	0.16	0.1275	0.364	0.0549
3077-66	Coagulation Factor Xa	Coagulation Factor Xa	Coagulation factor Xa	P00742	F10	2159	TRUE	0.07	0.1266	0.151	0.068641
3079-62	TIG2	TIG2	Retinoic acid receptor responder protein 2	Q99969	RARRES2	5919	TRUE	0.13	0.1408	0.224	0.04841
3091-70	Aurora kinase A	Aurora kinase A	Aurora kinase A	O14965	AURKA	6790	TRUE	0.13	0.2485	0.305	0.037938
3122-6	SMAC	SMAC	Diablo homolog, mitochondrial	Q9NR28	DIABLO	56616	TRUE	0.13	0.1738	0.532	0.054769
3132-1	VEGF-C	VEGF-C	Vascular endothelial growth factor C	P49767	VEGFC	7424	TRUE	0.12	0.1905	0.198	0.108548
3143-3	sCD4	sCD4	T-cell surface glycoprotein CD4	P01730	CD4	920	TRUE	0.07	0.1344	0.29	0.066584
3148-49	Gro-b	Gro-b	Gro-beta	P19875	CXCL2	2920	TRUE	0.08	0.1506	0.648	0.07334
3151-6	IL-2 sRa	IL-2 sRa	Interleukin-2 receptor subunit alpha	P01589	IL2RA	3559	TRUE	0.07	0.1827	1.022	0.052801
3166-92	Siglec-3	Siglec-3	Myeloid cell surface antigen CD33	P20138	CD33	945	TRUE	0.08	0.1551	0.319	0.062327
3168-8	ADAMTS-5	ADAMTS-5	A disintegrin and metalloproteinase with thrombospondin motifs 5	Q9UNA0	ADAMTS5	11096	TRUE	0.09	0.1067	0.156	0.043009
3169-70	IDUA	IDUA	Alpha-L-iduronidase	P35475	IDUA	3425	TRUE	0.05	0.5474	0.379	0.026108
3170-6	AMPM2	AMPM2	Methionine aminopeptidase 2	P50579	METAP2	10988	TRUE	0.54	0.6251	0.677	0.0386
3171-57	amyloid precursor protein	amyloid precursor protein	Amyloid beta A4 protein	P05067	APP	351	TRUE	0.12	1.0066	0.633	0.086199
3172-28	ARSB	ARSB	Arylsulfatase B	P15848	ARSB	411	TRUE	0.08	0.1731	0.948	0.024338

3173-49	AS AHL	AS AHL	N-acylethanolamine-hydrolyzing acid amidase	Q02083	NAAA	27163	TRUE	0.1	0.2526	0.871	0.079802
3175-51	ATS13	ATS13	A disintegrin and metalloproteinase with thrombospondin motifs 13	Q76LX8	ADAMTS13	11093	TRUE	0.06	0.1279	0.22	0.06965
3177-49	Carbonic Anhydrase IV	Carbonic Anhydrase IV	Carbonic anhydrase 4	P22748	CA4	762	TRUE	0.3	0.1725	0.292	0.101683
3178-51	CATC A	CATC A	Dipeptidyl peptidase 1	P53634	CTSC	1075	TRUE	0.16	0.149	0.566	0.055835
3179-51	Cathepsin A	Cathepsin A	Lysosomal protective protein	P10619	CTSA	5476	TRUE	0.14	0.8645	0.388	0.065181
3181-50	Cathepsin S	Cathepsin S	Cathepsin S	P25774	CTSS	1520	TRUE	0.06	0.1422	0.184	0.053012
3182-38	CD39	CD39	Ectonucleoside triphosphate diphosphohydrolase 1	P49961	ENTPD1	953	TRUE	0.17	0.2216	0.229	0.066901
3184-25	Coagulation Factor VII	Coagulation Factor VII	Coagulation factor VII	P08709	F7	2155	TRUE	0.1	0.3982	0.243	0.049969
3186-2	C2	C2	Complement C2	P06681	C2	717	TRUE	0.14	0.1077	0.153	0.086558
3187-52	CRIS3	CRIS3	Cysteine-rich secretory protein 3	P54108	CRISP3	10321	TRUE	0.09	0.166	0.565	0.094211
3192-3	Glutamate carboxypeptidase	Glutamate carboxypeptidase	Cytosolic non-specific dipeptidase	Q96KP4	CNDP2	55748	TRUE	0.24	0.1291	0.285	0.08902
3194-36	GPVI	GPVI	Platelet glycoprotein VI	Q9HCN6	GP6	51206	TRUE	0.12	0.1393	0.727	0.065728
3195-50	Granulysin	Granulysin	Granulysin	P22749	GNLY	10578	TRUE	0.08	0.1192	0.316	0.059436
3196-6	HPLN1	HPLN1	Hyaluronan and proteoglycan link protein 1	P10915	HAPLN1	1404	TRUE	0.09	0.1072	0.242	0.100986
3197-70	IDE	IDE	Insulin-degrading enzyme	P14735	IDE	3416	TRUE	0.08	0.1734	0.18	0.079035
3198-4	IDS	IDS	Iduronate 2-sulfatase	P22304	IDS	3423	TRUE	0.24	0.2022	0.265	0.083006
3199-54	kallikrein 12	kallikrein 12	Kallikrein-12	Q9UKR0	KLK12	43849	TRUE	0.29	0.1547	0.272	0.093437
3200-49	kallikrein 13	kallikrein 13	Kallikrein-13	Q9UKR3	KLK13	26085	TRUE	0.14	0.2331	0.143	0.043608
3202-28	KREM2	KREM2	Kremen protein 2	Q8NCW0	KREMEN2	79412	TRUE	0.18	0.1322	1.102	0.090365
3204-2	LKHA4	LKHA4	Leukotriene A-4 hydrolase	P09960	LTA4H	4048	TRUE	0.19	0.2262	0.541	0.05128

3206-4	LYVE1	LYVE1	Lymphatic vessel endothelial hyaluronic acid receptor 1	Q9Y5Y7	LYVE1	10894	TRUE	0.14	0.2731	0.274	0.073887
3208-2	MATN3	MATN3	Matrilin-3	O15232	MATN3	4148	TRUE	0.17	0.0892	0.191	0.063402
3209-69	MEPE	MEPE	Matrix extracellular phosphoglycoprotein	Q9NQ76	MEPE	56955	TRUE	0.08	0.1534	0.673	0.110902
3212-30	ASAH2	ASAH2	Neutral ceramidase	Q9NR71	ASAH2	56624	TRUE	0.07	0.1482	2.507	0.048709
3213-65	Nidogen	Nidogen	Nidogen-1	P14543	NID1	4811	TRUE	0.12	0.2309	0.306	0.060731
3214-3	NRP1	NRP1	Neuropilin-1	O14786	NRP1	8829	TRUE	0.11	0.1294	0.23	0.091223
3216-2	PIGR	PIGR	Polymeric immunoglobulin receptor	P01833	PIGR	5284	TRUE	0.07	0.4647	0.474	0.084141
3217-74	Protease nexin I	Protease nexin I	Glia-derived nexin Glutamate	P07093	SERPINE 2	5270	TRUE	0.1	0.1268	0.604	0.037341
3218-8	PSMA	PSMA	carboxypeptidase 2	Q04609	FOLH1	2346	TRUE	0.27	0.3054	0.228	0.046767
3220-40	RET	RET	Proto-oncogene tyrosine-protein kinase receptor Ret	P07949	RET	5979	TRUE	0.07	0.1269	0.546	0.059747
3221-54	SARP-2	SARP-2	Secreted frizzled-related protein 1	Q8N474	SFRP1	6422	TRUE	0.06	0.1295	0.257	0.084929
3222-11	Semaphorin 3A	Semaphorin 3A	Semaphorin-3A	Q14563	SEMA3A	10371	TRUE	0.08	0.1218	0.442	0.061334
3232-28	TrATPase	TrATPase	Tartrate-resistant acid phosphatase type 5	P13686	ACP5	54	TRUE	0.05	1.515	0.216	0.075617
3234-23	URB	URB	Coiled-coil domain-containing protein 80	Q76M96	CCDC80	7	TRUE	0.09	0.1486	0.17	0.059881
3235-50	WFKN2	WFKN2	WAP, Kazal, immunoglobulin, Kunitz and NTR domain-containing protein 2	Q8TEU8	WFIKKN 2	12485	TRUE	0.07	0.1713	0.259	0.057329
3236-12	GSK-3 beta	GSK-3 beta	Glycogen synthase kinase-3 beta	P49841	GSK3B	2932	TRUE	0.17	0.3045	0.916	0.065391
3280-49	Aggrecan	Aggrecan	Aggrecan core protein	P16112	ACAN	176	TRUE	0.08	0.1844	0.201	0.038439
3283-21	BGH3	BGH3	Transforming growth factor-beta-induced protein ig-h3	Q15582	TGFBI	7045	TRUE	0.07	0.2259	0.245	0.084418
3284-75	BGN	BGN	Biglycan	P21810	BGN	633	TRUE	0.06	0.2235	0.274	0.040069
3285-23	C1r	C1r	Complement C1r subcomponent	P00736	C1R	715	TRUE	0.08	0.1186	0.25	0.046225
3289-19	Carbonic Anhydrase X	Carbonic Anhydrase X	Carbonic anhydrase-related protein 10	Q9NS85	CA10	56934	TRUE	0.22	0.1766	0.186	0.07691

3290-50	CD109	CD109	CD109 antigen Low affinity immunoglobulin epsilon	Q6YHK3	CD109	13522 8	TRUE	0.08	0.1656	0.154	0.06366
3291-30	CD23	CD23	Fc receptor	P06734	FCER2	2208	TRUE	0.09	0.3373	0.51	0.063887
3292-75	CD48	CD48	CD48 antigen	P09326	CD48	962	TRUE	0.05	0.1255	0.191	0.070773
3293-2	CD5L	CD5L	CD5 antigen-like	O43866	CD5L	922	TRUE	0.1	0.184	0.431	0.097379
3294-55	CFC1	CFC1	Cryptic protein	P0CG37	CFC1	55997	TRUE	0.06	0.1218	0.269	0.065491
3296-92	CNTN2	CNTN2	Contactin-2	Q02246	CNTN2	6900	TRUE	0.06	0.1986	0.271	0.082682
3298-52	Contactin-4	Contactin-4	Contactin-4	Q8IWW2	CNTN4	15233 0	TRUE	0.1	0.1873	0.171	0.174044
3299-29	Contactin-5	Contactin-5	Contactin-5	O94779	CNTN5	53942	TRUE	0.05	0.149	0.387	0.077911
3302-58	CYTF	CYTF	Cystatin-F	O76096	CST7	8530	TRUE	0.11	0.1355	1.713	0.045892
3303-23	Cystatin M	Cystatin M	Cystatin-M	Q15828	CST6	1474	TRUE	0.09	1.498	0.368	0.047005
3305-6	DLL4	DLL4	Delta-like protein 4	Q9NR61	DLL4	54567	TRUE	0.08	0.1843	0.146	0.074751
3310-62	FCG2B	FCG2B	Low affinity immunoglobulin gamma Fc region receptor II-b	P31994	FCGR2B	2213	TRUE	0.1	0.2424	0.609	0.087405
3311-27	FCG3B	FCG3B	Low affinity immunoglobulin gamma Fc region receptor III-B	O75015	FCGR3B	2215	TRUE	0.1	0.2014	0.279	0.077743
3313-21	FCN2	FCN2	Ficolin-2	Q15485	FCN2	2220	TRUE	0.16	0.8162	0.456	0.041603
3314-74	GFRa-1	GFRa-1	GDNF family receptor alpha-1	P56159	GFRA1	2674	TRUE	0.11	0.1506	0.218	0.091317
3316-58	Heparin cofactor II	Heparin cofactor II	Heparin cofactor 2	P05546	SERPIND1	3053	TRUE	0.09	0.1123	0.204	0.073883
3317-33	HTRA2	HTRA2	Serine protease HTRA2, mitochondrial	O43464	HTRA2	27429	TRUE	0.07	0.1885	0.367	0.027755
3320-49	IGFBP-7	IGFBP-7	Insulin-like growth factor-binding protein 7	Q16270	IGFBP7	3490	TRUE	0.09	0.2215	0.171	0.080673
3322-52	LRIG3	LRIG3	Leucine-rich repeats and immunoglobulin-like domains protein 3	Q6UXM1	LRIG3	12122 7	TRUE	0.12	0.1761	0.155	0.02121
3323-37	LRP8	LRP8	Low-density lipoprotein receptor-related protein 8	Q14114	LRP8	7804	TRUE	0.06	0.1387	0.153	0.03487
3324-51	LY9	LY9	T-lymphocyte surface antigen Ly-9	Q9HBG7	LY9	4063	TRUE	0.07	0.1726	1.136	0.114371

3325-2	MATN2	MATN2	Matrilin-2	O00339	MATN2	4147	TRUE	0.08	0.2692	0.212	0.058291
3326-58	Nectin-like protein 2	Nectin-like protein 2	Cell adhesion molecule 1	Q9BY67	CADM1	23705	TRUE	0.18	0.1291	0.226	0.12104
3327-27	NET4	NET4	Netrin-4	Q9HB63	NTN4	59277	TRUE	0.08	0.1028	0.23	0.07604
3329-14	PGRP-S	PGRP-S	Peptidoglycan recognition protein 1	O75594	PGLYRP1	8993	TRUE	0.24	0.1499	2.089	0.05833
3331-8	RGMB	RGMB	RGM domain family member B	Q6NW40	RGMB	4	TRUE	0.18	0.426	0.169	0.072531
3332-57	RGM-C	RGM-C	Hemojuvelin	Q6ZVN8	HJV	8	TRUE	0.11	0.1094	0.162	0.049129
3336-50	TFPI	TFPI	Tissue factor pathway inhibitor	P10646	TFPI	7035	TRUE	0.06	0.1684	0.256	0.039793
3339-33	TSP2	TSP2	Thrombospondin-2	P35442	THBS2	7058	TRUE	0.09	0.1842	0.594	0.086994
3340-53	TSP4	TSP4	Thrombospondin-4	P35443	THBS4	7060	TRUE	0.1	0.1547	0.274	0.03526
3343-1	Aminoacylase-1	Aminoacylase-1	Aminoacylase-1	Q03154	ACY1	95	TRUE	0.06	1.4733	0.967	0.040718
3344-60	Antithrombin III	Antithrombin III	Antithrombin-III	P01008	SERPINC1	462	TRUE	0.07	0.1354	0.104	0.085292
3346-72	AURKB	AURKB	Aurora kinase B	Q96GD4	AURKB	9212	TRUE	0.2	0.1012	0.184	0.025085
3347-9	BARK1	BARK1	beta-adrenergic receptor kinase 1	P25098	GRK2	156	TRUE	0.15	0.2638	0.89	0.029818
3348-49	BMP-1	BMP-1	Bone morphogenetic protein 1	P13497	BMP1	649	TRUE	0.11	0.1971	0.234	0.052892
3351-1	CAMK2B	CAMK2B	Calcium/calmodulin-dependent protein kinase type II subunit beta	Q13554	CAMK2B	816	TRUE	0.11	0.1318	0.9	0.045056
3352-80	Carbonic anhydrase 6	Carbonic anhydrase 6	Carbonic anhydrase 6	P23280	CA6	765	TRUE	0.09	0.4431	0.623	0.091371
3358-51	CDK5/p35	CDK5/p35	Cyclin-dependent kinase 5 activator 1 complex	Q15078 Q00535	CDK5R1 CDK5	8851 1020	TRUE	0.29	0.2175	0.256	0.04188
3359-11	CDK8/cyclin C	CDK8/cyclin C	Cyclin-dependent kinase 8:Cyclin-C complex	P24863 P49336	CCNC CDK8	892 1024	TRUE	0.16	0.1403	0.199	0.04676
3360-50	Chk2	Chk2	Serine/threonine-protein kinase Chk2	O96017	CHEK2	11200	TRUE	0.14	0.1941	1.28	0.110482
3362-61	CRDL1	CRDL1	Chordin-like protein 1	Q9BU40	CHRD1	91851	TRUE	0.13	0.1066	0.286	0.090474

3363-31	CSK	CSK	Tyrosine-protein kinase CSK	P41240	CSK	1445	TRUE	0.14	0.2416	0.876	0.089608
3364-76	Cathepsin V	Cathepsin n V	Cathepsin L2	O60911	CTSV	1515	TRUE	0.09	0.1804	0.689	0.049942
3365-7	Dkk-4	Dkk-4	Dickkopf-related protein 4 Extracellular matrix	Q9UBT3	DKK4	27121	TRUE	0.07	0.1842	0.472	0.040753
3366-51	ECM1	ECM1	protein 1	Q16610	ECM1	1893	TRUE	0.07	0.2238	0.123	0.021387
3367-8	FETUB	FETUB	Fetuin-B	Q9UGM5	FETUB	26998	TRUE	0.07	0.18	0.327	0.118163
3376-49	IL-17 RD	IL-17 RD	Interleukin-17 receptor D	Q8NFM7	IL17RD	54756	TRUE	0.08	0.0736	0.268	0.016871
3378-49	Kallikrein 7	Kallikrein n 7	Kallikrein-7	P49862	KLK7	5650	TRUE	0.25	5.407	0.384	0.031957
3379-29	KPCI	KPCI	Protein kinase C iota type Tyrosine-protein kinase	P41743	PRKCI	5584	TRUE	0.11	0.1611	0.515	0.074264
3381-24	LYNB	LYNB	Lyn, isoform B	P07948	LYN	4067	TRUE	0.07	0.24	1.092	0.078998
3387-1	PAK3	PAK3	Serine/threonine-protein kinase PAK 3	O75914	PAK3	5063	TRUE	0.21	0.1244	0.219	0.081356
3388-58	PAK7	PAK7	Serine/threonine-protein kinase PAK 5	Q9P286	PAK5	57144	TRUE	0.15	0.1848	0.137	0.031428
3389-7	PCI	PCI	Plasma serine protease inhibitor	P05154	SERPINA 5	5104	TRUE	0.14	0.1152	0.226	0.090116
3390-72	PIK3CA/PIK3R1	PIK3CA/PIK3R1	PIK3CA/PIK3R1	P27986 P42336	PIK3R1 PIK3CA	5295 5290	TRUE	0.08	0.1299	0.385	0.036813
3391-10	PK3CG	PK3CG	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform	P48736	PIK3CG	5294	TRUE	0.25	0.1602	0.206	0.045781
3392-68	PKB gamma	PKB gamma	Protein kinase B gamma	Q9Y243	AKT3	10000	TRUE	0.05	0.2307	0.697	0.046699
3396-54	Renin	Renin	Renin	P00797	REN	5972	TRUE	0.07	0.1184	0.702	0.096836
3397-7	SHP-2	SHP-2	Tyrosine-protein phosphatase non-receptor type 11	Q06124	PTPN11	5781	TRUE	0.17	0.1419	0.381	0.069861
3399-31	STAB2	STAB2	Stabilin-2	Q8WWQ 8	STAB2	55576	TRUE	0.22	0.1127	0.194	0.043496
3400-49	TBK1	TBK1	Serine/threonine-protein kinase TBK1	Q9UHD2	TBK1	29110	TRUE	0.06	0.1529	0.603	0.098281
3401-8	TCPTP	TCPTP	Tyrosine-protein phosphatase non-receptor type 2	P17706	PTPN2	5771	TRUE	0.08	0.0809	0.434	0.036694
3403-1	TPSB2	TPSB2	Tryptase beta-2	P20231	TPSB2	64499	TRUE	0.08	0.178	0.514	0.034583
3404-51	TPSG1	TPSG1	Tryptase gamma	Q9NRR2	TPSG1	25823	TRUE	0.17	0.1648	2.329	0.06931
3405-6	UFC1	UFC1	Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	UFC1	51506	TRUE	0.09	0.3032	0.502	0.044217

3412-7 3413- 50 3415- 61	Bcl-2 BFL1 BSP	Bcl-2 BFL1 BSP	Apoptosis regulator Bcl-2 Bcl-2-related protein A1 Bone sialoprotein 2 Tyrosine-protein kinase	P10415 Q16548 P21815	BCL2 BCL2A1 IBSP	596 597 3381	TRUE TRUE TRUE	0.09 0.17 0.11	0.0747 0.1279 0.1403	0.278 0.079 0.919	0.082007 0.113007 0.070878
3416-2 3418- 12	BTK CAMK1D	BTK CAMK1D	BTK Calcium/calmodulin- dependent protein kinase	Q06187 Q8IU85	BTK CAMK1D	695 57118	TRUE TRUE	0.1 0.22	0.5143 0.1482	1.013 0.196	0.051165 0.067938
3419- 49	CAMK2D	CAMK2D	Calcium/calmodulin- dependent protein kinase type II subunit delta	Q13557	CAMK2D	817	TRUE	0.07	0.1347	0.681	0.102101
3420- 21	Carbonic anhydrase XIII	Carbonic anhydrase XIII	Carbonic anhydrase 13 Tumor necrosis factor ligand superfamily member 8	Q8N1Q1	CA13	37767 7	TRUE	0.08	0.3481	0.91	0.053789
3421- 54	CD30 Ligand	CD30 Ligand	CD30 Ligand	P32971	TNFSF8	944	TRUE	0.12	0.1723	0.156	0.109413
3422-4 3423- 59	CDK1/cycl in B Chymas e	CDK1/cy clin B Chymas e	Cyclin-dependent kinase 1:G2/mitotic-specific cyclin-B1 complex Chymase	P14635 P06493	CCNB1 CDK1	891 9 83	TRUE	0.08	0.0878	0.175	0.041124
3427- 63 3431- 54 3434- 34	CSK21 EphA1 FN1.3	CSK21 EphA1 FN1.3	Casein kinase II subunit alpha Ephrin type-A receptor 1 Fibronectin Fragment 3	P23946 P68400 P21709 P02751	CMA1 CSNK2A EPHA1 FN1	1215 1457 2041 2335	TRUE TRUE TRUE TRUE	0.2 0.08 0.1 0.16	0.1556 0.1233 0.1738 0.0537	3.118 0.371 0.279 0.272	0.045907 0.133359 0.053055 0.039478
3435- 53 3437- 80 3438- 10	FN1.4 Flt-3 FSTL3	FN1.4 Flt-3 FSTL3	Fibronectin Fragment 4 Receptor-type tyrosine- protein kinase FLT3 Follistatin-related protein 3	P02751 P36888 O95633	FN1 FLT3 FSTL3	2335 2322 10272	TRUE TRUE TRUE	0.16 0.24 0.12	0.0939 0.1526 0.3831	0.257 0.279 0.233	0.079262 0.090297 0.069735
3440-7 3441- 64 3445- 53	A GSK-3 alpha IL-15 Ra	granzyme granzym e A GSK-3 alpha IL-15 Ra	Granzyme A Glycogen synthase kinase- 3 alpha Interleukin-15 receptor subunit alpha	P12544 P49840 Q13261	GZMA GSK3A IL15RA	3001 2931 3601	TRUE TRUE TRUE	0.12 0.09 0.09	0.1697 0.2038 0.0812	0.24 0.711 0.303	0.07812 0.065326 0.06185
3446-7 3447- 64 3448- 13	IL-18 Ra IL-8 IR	IL-18 Ra IL-8 IR	Interleukin-18 receptor 1 Interleukin-8 Insulin receptor	Q13478 P10145 P06213	IL18R1 CXCL8 INSR	8809 3576 3643	TRUE TRUE TRUE	0.08 0.09 0.09	0.3302 0.1416 0.3073	0.259 0.239 0.233	0.081073 0.075574 0.092279

3449-58	Kallistatin	Kallistatin			SERPINA							
	Kallistatin	n	Kallistatin	P29622	4	5267	TRUE	0.07	0.2009	0.187	0.037539	
	Kallikrein	Kallikrei										
3450-4	6	n 6	Kallikrein-6	Q92876	KLK6	5653	TRUE	0.27	0.1666	0.281	0.066108	
3452-17	LCK	LCK	Tyrosine-protein kinase Lck	P06239	LCK	3932	TRUE	0.07	0.0931	0.449	0.072064	
3453-87	LYN	LYN	Tyrosine-protein kinase Lyn	P07948	LYN	4067	TRUE	0.07	0.187	0.864	0.060106	
3457-57	Periostin	Periostin	Periostin	Q15063	POSTN	10631	TRUE	0.11	0.228	0.229	0.042722	
3459-49	PDGF Rb	PDGF Rb	Platelet-derived growth factor receptor beta	P09619	PDGFRB	5159	TRUE	0.1	0.1444	0.361	0.070952	
3461-58	PGCB	PGCB	Brevican core protein cAMP-dependent protein kinase catalytic subunit	Q96GW7	BCAN	63827	TRUE	0.08	0.167	0.287	0.067296	
3466-8	PRKACA	PRKACA	alpha	P17612	PRKACA	5566	TRUE	0.24	0.3846	0.748	0.05386	
3469-74	RPS6KA3	RPS6KA3	Ribosomal protein S6 kinase alpha-3	P51812	RPS6KA3	6197	TRUE	0.09	0.1941	0.617	0.031412	
3470-1	sE-Selectin	sE-Selectin	E-selectin	P16581	SELE	6401	TRUE	0.09	0.1161	0.401	0.111891	
3471-49	STK16	STK16	Serine/threonine-protein kinase 16	O75716	STK16	8576	TRUE	0.21	0.1561	0.275	0.068147	
3472-40	Survivin	Survivin	Baculoviral IAP repeat-containing protein 5	O15392	BIRC5	332	TRUE	0.16	0.123	0.203	0.043978	
3473-78	Thrombopoietin Receptor	Thrombopoietin Receptor	Thrombopoietin Receptor	P40238	MPL	4352	TRUE	0.11	0.1287	0.395	0.072899	
3474-19	Thrombospondin-1	Thrombospondin-1	Thrombospondin-1	P07996	THBS1	7057	TRUE	0.09	0.0724	0.765	0.06495	
3477-63	TrkA	TrkA	High affinity nerve growth factor receptor	P04629	NTRK1	4914	TRUE	0.12	0.1711	0.337	0.058972	
3479-71	TRY3	TRY3	Trypsin-3	P35030	PRSS3	5646	TRUE	0.11	0.1777	0.339	0.062899	
3480-7	DUS3	DUS3	Dual specificity protein phosphatase 3	P51452	DUSP3	1845	TRUE	0.17	0.177	0.546	0.079161	
3481-87	XPNPEP1	XPNPEP1	Xaa-Pro aminopeptidase 1	Q9NQW7	XPNPEP1	7511	TRUE	0.1	0.2837	0.479	0.078456	
3484-60	Angiotensinogen	Angiotensinogen	Angiotensinogen	P01019	AGT	183	TRUE	0.09	0.2047	0.287	0.078598	
3485-28	Microglobulin	Microglobulin	Beta-2-microglobulin	P61769	B2M	567	TRUE	0.1	0.1005	0.213	0.076531	
3488-64	Catalase	Catalase	Catalase	P04040	CAT	847	TRUE	0.13	0.2335	0.433	0.054465	

3495-15	GCP-2 Integrin a1b1	GCP-2 Integrin a1b1	C-X-C motif chemokine 6 Integrin alpha-I: beta-1 complex	P80162 P05556 P56199	CXCL6 ITGB1 IT GA1	6372 3688 3672	TRUE	0.1	0.1564	0.454	0.081338
3503-4							TRUE	0.08	0.2462	0.701	0.054135
3504-58	LEAP-1	LEAP-1	Hepcidin Lymphot	P81172	HAMP	57817	TRUE	0.07	0.0812	1.117	0.086659
3505-6	Lymphoto xin a1/b2	Lymphoto xin a1/b2	oxin Lymphotoxin alpha1:beta2	Q06643 P01374	4050 LTB LTA	4049	TRUE	0.21	0.1057	0.217	0.043298
3506-49	Lymphoto xin a2/b1	Lymphoto xin a2/b1	oxin Lymphotoxin alpha2:beta1	Q06643 P01374	4050 LTB LTA	4049	TRUE	0.13	0.1093	0.16	0.07459
3508-78	MDC	MDC	C-C motif chemokine 22	O00626	CCL22	6367	TRUE	0.12	0.2629	0.361	0.058967
3509-1	MIP-5	MIP-5	C-C motif chemokine 15	Q16663	CCL15	6359	TRUE	0.13	0.2146	0.369	0.028542
3514-49	Proteinas e-3	Proteina se-3	Myeloblastin	P24158	PRTN3	5657	TRUE	0.14	0.1754	0.435	0.043351
3518-54	TAFI	TAFI	Carboxypeptidase B2	Q96IY4	CPB2	1361	TRUE	0.1	0.1928	0.149	0.032136
3519-3	TARC	TARC	C-C motif chemokine 17	Q92583	CCL17	6361	TRUE	0.1	0.1505	0.623	0.058474
3520-58	TGF-b3	TGF-b3	Transforming growth factor beta-3	P10600	TGFB3	7043	TRUE	0.13	0.0744	0.142	0.046963
3521-16	TSH	TSH	Thyroid Stimulating Hormone	P01222 P01215	TSHB C GA	7252 1081	TRUE	0.11	0.1398	0.632	0.06496
3535-84	DKK1	DKK1	Dickkopf-related protein 1	O94907	DKK1	22943	TRUE	0.09	0.1629	0.446	0.034711
3554-24	Adiponect in a1-	Adipone ctin a1-	Adiponectin	Q15848	ADIPOQ	9370	TRUE	0.09	0.1075	0.433	0.056522
3580-25	Antitrypsi n a2-HS-	Antitryp sin a2-HS-	Alpha-1-antitrypsin	P01009	SERPINA 1	5265	TRUE	0.09	0.1925	0.286	0.076573
3581-53	Glycoprot ein	Glycopr otein	Alpha-2-HS-glycoprotein	P02765	AHSG	197	TRUE	0.1	0.1397	0.11	0.068493
3583-54	Arylsulfat ase A	Arylsulfa tase A	Arylsulfatase A	P15289	ARSA	410	TRUE	0.2	0.2157	0.418	0.101452
3585-54	BASI	BASI	Basigin	P35613	BSG	682	TRUE	0.15	0.1138	0.166	0.079723
3587-53	BMP10	BMP10	Bone morphogenetic protein 10	O95393	BMP10	27302	TRUE	0.12	0.1762	0.161	0.137346
3591-51	Cadherin- 6	Cadheri n-6	Cadherin-6	P55285	CDH6	1004	TRUE	0.12	0.1235	0.185	0.046114
3592-4	CAMK1	CAMK1	Calcium/calmodulin- dependent protein kinase type 1	Q14012	CAMK1	8536	TRUE	0.09	0.2051	0.254	0.11638
3593-72	Caspase-3 3	Caspase- 3	Caspase-3	P42574	CASP3	836	TRUE	0.1	0.1861	0.92	0.032719

3600-2	Chitotriosidase-1	Chitotriosidase-1	Chitotriosidase-1	Q13231	CHIT1	1118	TRUE	0.15	0.1357	0.721	0.091524
3601-54	CHL1	CHL1	Neural cell adhesion molecule L1-like protein	O00533	CHL1	10752	TRUE	0.09	0.1073	0.206	0.063113
3603-60	CLC7A	CLC7A	C-type lectin domain family 7 member A	Q9BXN2	CLEC7A	64581	TRUE	0.09	0.1473	0.204	0.125223
3605-77	MASP3	MASP3:Light	Mannan-binding lectin serine protease 1 light chain	P48740	MASP1	5648	TRUE	0.16	0.1254	0.097	0.070504
3607-71	DKK3	DKK3	Dickkopf-related protein 3	Q9UBP4	DKK3	27122	TRUE	0.17	0.2009	0.207	0.044601
3611-70	Endothelin-converting enzyme 1	Endothelin-converting enzyme 1:ECD	Endothelin-converting enzyme 1:Extracellular domain	P42892	ECE1	1889	TRUE	0.17	0.2528	0.158	0.074181
3613-62	FCN1	FCN1	Ficolin-1	O00602	FCN1	2219	TRUE	0.06	0.1131	0.345	0.051781
3616-3	GNS	GNS	N-acetylglucosamine-6-sulfatase	P15586	GNS	2799	TRUE	0.07	0.1295	0.203	0.058432
3617-80	HGFA	HGFA	Hepatocyte growth factor activator	Q04756	HGFAC	3083	TRUE	0.1	0.3442	0.333	0.076019
3620-67	IL22RA1	IL22RA1	Interleukin-22 receptor subunit alpha-1	Q8N6P7	IL22RA1	58985	TRUE	0.08	0.1312	0.144	0.049845
3622-33	LGMN	LGMN	Legumain	Q99538	LGMN	5641	TRUE	0.13	0.7598	0.167	0.045512
3623-84	LY86	LY86	Lymphocyte antigen 86	O95711	LY86	9450	TRUE	0.2	0.4892	0.112	0.064868
3624-3	Marapsin	Marapsin	Serine protease 27	Q9BQR3	PRSS27	83886	TRUE	0.1	0.0973	0.145	0.026962
3627-71	MMEL2	MMEL2	Membrane metallo-endopeptidase-like 1	Q495T6	MMEL1	79258	TRUE	0.1	0.1176	0.188	0.058462
3628-3	MP2K2	MP2K2	Dual specificity mitogen-activated protein kinase 2	P36507	MAP2K2	5605	TRUE	0.09	0.1934	0.261	0.071926
3629-60	MRCKB	MRCKB	Serine/threonine-protein kinase MRCK beta	Q9Y5S2	CDC42B PB	9578	TRUE	0.14	0.1071	2.602	0.06796
3630-27	Nectin-like protein 1	Nectin-like protein 1	Cell adhesion molecule 3	Q8N126	CADM3	57863	TRUE	0.09	0.1149	0.223	0.092596
3633-70	NID2	NID2	Nidogen-2	Q14112	NID2	22795	TRUE	0.12	0.2081	0.2	0.056968
3634-5	OBCAM	OBCAM	Opioid-binding protein/cell adhesion molecule	Q14982	OPCML	4978	TRUE	0.19	0.1174	0.189	0.033911

3635-76	OCAD1	OCAD1	OCIA domain-containing protein 1	Q9NX40	OCIAD1	54940	TRUE	0.08	0.1026	0.719	0.091854
3636-37	OLR1	OLR1	Oxidized low-density lipoprotein receptor 1	P78380	OLR1	4973	TRUE	0.12	0.1252	0.413	0.083393
3640-14	RAP	RAP	alpha-2-macroglobulin receptor-associated protein	P30533	LRPAP1	4043	TRUE	0.08	0.0993	0.191	0.085282
3642-4	SLAF5	SLAF5	SLAM family member 5	Q9UIB8	CD84	8832	TRUE	0.07	0.1111	0.204	0.062541
3644-5	Soggy-1	Soggy-1	Dickkopf-like protein 1 Tyrosine-protein kinase	Q9UK85	DKKL1	27120	TRUE	0.15	0.0918	0.273	0.072458
3646-7	TEC	TEC	Tec	P42680	TEC	7006	TRUE	0.39	0.2098	0.411	0.077872
3647-49	TLR4:MD-2 complex	TLR4:M D-2 complex	Toll-like receptor 4:Lymphocyte antigen 96 complex	Q9Y6Y9 O00206	LY96 TL R4	23643 7099	TRUE	0.09	0.1052	0.153	0.085013
3651-50	VEGF sR2	VEGF sR2	Vascular endothelial growth factor receptor 2	P35968	KDR	3791	TRUE	0.07	0.1213	0.162	0.109378
3666-17	H-related 5	comple ment factor H-related 5	Complement factor H-related protein 5	Q9BXR6	CFHR5	81494	TRUE	0.07	0.0745	0.285	0.049033
3676-15	IGF-II receptor	IGF-II receptor	Cation-independent mannose-6-phosphate receptor	P11717	IGF2R	3482	TRUE	0.08	0.117	0.207	0.059421
3681-87	kallikrein 14	kallikrein 14	Kallikrein-14	Q9P0G3	KLK14	43847	TRUE	0.21	0.1272	0.219	0.036448
3684-78	Macrophage scavenger receptor	Macrophage scavenger receptor	Macrophage scavenger receptor types I and II:Extracellular domain	P21757	MSR1	4481	TRUE	0.09	0.0812	0.266	0.035708
3685-53	MFRP a2-	MFRP a2-	Membrane frizzled-related protein	Q9BY79	MFRP	83552	TRUE	0.11	0.1454	0.956	0.035164
3708-62	Macroglobulin	Macroglobulin	Alpha-2-macroglobulin Alanine aminotransferase 1	P01023	A2M	2	TRUE	0.22	0.2225	0.289	0.095858
3709-4	ALT	ALT		P24298	GPT	2875	TRUE	0.1	0.1442	0.196	0.042177
3710-49	Angiostatin	Angiostatin	Angiostatin	P00747	PLG	5340	TRUE	0.11	0.2698	0.174	0.066443
3714-49	CK-MB	CK-MB	Creatine kinase M-type:Creatine kinase B-type heterodimer	P06732 P12277	CKM CK B	1158 1152	TRUE	0.11	0.3148	0.942	0.058283
3719-2	p27Kip1	p27Kip1	Cyclin-dependent kinase inhibitor 1B	P46527	CDKN1B	1027	TRUE	0.11	0.1315	0.696	0.058298

3727-35	PYY	PYY	Peptide YY Tumor necrosis factor receptor superfamily member 4	P10082	PYY	5697	TRUE	0.08	0.0919	0.302	0.037528
3730-81	TNR4	TNR4	Bone morphogenetic protein 6	P43489	TNFRSF4	7293	TRUE	0.09	0.147	0.171	0.052914
3736-60	BMP-6	BMP-6	Integrin alpha-IIb: beta-3 complex	P22004	BMP6	654	TRUE	0.08	0.1068	0.331	0.071209
3739-72	gpIIbIIIa	gpIIbIIIa		P05106 P08514	ITGB3 IT GA2B	3690 3674	TRUE	0.26	0.2253	0.665	0.05799
3741-4	IL-5	IL-5	Interleukin-5	P05113	IL5	3567	TRUE	0.11	0.1369	0.1	0.047402
3758-63	Activated Protein C	Protein C	Activated Protein C	P04070	PROC	5624	TRUE	0.11	0.1499	0.191	0.036321
3758-68	Activated Protein C	Protein C	Activated Protein C Prostaglandin G/H synthase 2	P04070	PROC	5624	TRUE	0.1	0.1885	0.28	0.075496
3761-4	COX-2	COX-2	Syntaxin-1A	P35354	PTGS2	5743	TRUE	0.09	0.1314	0.291	0.064828
3766-51	STX1a	STX1a	Angiopoietin-1 receptor, soluble	Q16623	STX1A	6804	TRUE	0.08	0.2212	0.169	0.041617
3773-15	sTie-2	sTie-2	Disintegrin and metalloproteinase domain- containing protein 9	Q02763	TEK	7010	TRUE	0.22	0.1969	0.173	0.066132
3795-6	ADAM 9	ADAM 9		Q13443	ADAM9	8754	TRUE	0.07	0.1051	0.725	0.038201
3799-11	Carbonic anhydrase III	Carbonic anhydrase III	Carbonic anhydrase 3	P07451	CA3	761	TRUE	0.09	0.2054	0.904	0.193408
3800-71	CK-BB	CK-BB	Creatine kinase B-type	P12277	CKB	1152	TRUE	0.12	0.1076	0.89	0.073076
3803-10	CYTD	CYTD	Cystatin-D Endothelial cell-specific molecule 1	P28325	CST5	1473	TRUE	0.08	0.1828	0.684	0.147655
3805-16	Endocan	Endocan		Q9NQ30	ESM1	11082	TRUE	0.06	0.0991	0.301	0.066294
3806-55	EphA5	EphA5	Ephrin type-A receptor 5 Fibroblast growth factor receptor 3: Cytoplasmic domain	P54756	EPHA5	2044	TRUE	0.07	0.0964	0.373	0.030893
3809-1	FGFR-3	FGFR-3:CD	Tyrosine-protein kinase	P22607	FGFR3	2261	TRUE	0.14	0.188	0.16	0.07469
3813-3	FYN	FYN	Fyn	P06241	FYN	2534	TRUE	0.06	0.1576	1.013	0.080161
3814-63	IL-11 RA	IL-11 RA	Interleukin-11 receptor subunit alpha	Q14626	IL11RA	3590	TRUE	0.16	0.1378	1.323	0.106372
3817-18	KPCT	KPCT	Protein kinase C theta type	Q04759	PRKCQ	5588	TRUE	0.08	0.1853	0.753	0.049364
3820-68	MAPK2	MAPK2	MAP kinase-activated protein kinase 2	P49137	MAPKAP K2	9261	TRUE	0.22	0.2201	0.803	0.0382

3822-54	MAPKAPK3	MAPKAPK3	MAP kinase-activated protein kinase 3	Q16644	MAPKAPK3	7867	TRUE	0.07	0.1235	0.946	0.076407
3825-18	MK08	MK08	Mitogen-activated protein kinase 8	P45983	MAPK8	5599	TRUE	0.1	0.1472	0.306	0.077787
3835-11	TLR2	TLR2	Toll-like receptor 2	O60603	TLR2	7097	TRUE	0.09	0.1356	0.125	0.077942
3836-51	UFM1	UFM1	Ubiquitin-fold modifier 1	P61960	UFM1	51569	TRUE	0.08	0.1288	0.536	0.058708
3837-6	ZAP70	ZAP70	Tyrosine-protein kinase ZAP-70	P43403	ZAP70	7535	TRUE	0.17	0.2422	0.308	0.116699
3839-60	AIP	AIP	AH receptor-interacting protein	O00170	AIP	9049	TRUE	0.1	0.2685	0.68	0.039847
3844-2	Cyclophilin A	Cyclophilin A	Peptidyl-prolyl cis-trans isomerase A	P62937	PPIA	5478	TRUE	0.14	0.1761	0.749	0.079209
3845-51	DLRB1	DLRB1	Dynein light chain roadblock-type 1	Q9NP97	DYNLRB1	83658	TRUE	0.12	0.2168	0.953	0.120742
3847-56	ETHE1	ETHE1	Persulfide dioxygenase ETHE1, mitochondrial	O95571	ETHE1	23474	TRUE	0.08	0.2344	0.334	0.05813
3852-19	HSP 40	HSP 40	DnaJ homolog subfamily B member 1	P25685	DNAJB1	3337	TRUE	0.13	0.1717	1.659	0.099595
3854-24	NACA	NACA	Nascent polypeptide-associated complex subunit alpha	Q13765	NACA	4666	TRUE	0.1	0.0922	0.667	0.060796
3855-56	Peroxiredoxin-1	Peroxiredoxin-1	Peroxiredoxin-1	Q06830	PRDX1	5052	TRUE	0.09	0.2165	0.29	0.05113
3858-5	PPAC	PPAC	Low molecular weight phosphotyrosine protein phosphatase	P24666	ACP1	52	TRUE	0.08	0.2446	0.919	0.227626
3859-50	PSA1	PSA1	Proteasome subunit alpha type-1	P25786	PSMA1	5682	TRUE	0.07	0.2222	0.244	0.084883
3866-7	SBDS	SBDS	Ribosome maturation protein SBDS	Q9Y3A5	SBDS	51119	TRUE	0.09	0.1577	0.525	0.084293
3867-49	SE6L2	SE6L2	Seizure 6-like protein 2	Q6UXD5	SEZ6L2	26470	TRUE	0.09	0.1796	0.384	0.04518
3868-8	SGTA	SGTA	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	O43765	SGTA	6449	TRUE	0.31	0.3224	0.731	0.068916
3872-2	TCTP	TCTP	Translationally-controlled tumor protein	P13693	TPT1	7178	TRUE	0.09	4.6564	0.898	0.042213
3873-51	TMA	TMA	Thyroid peroxidase	P07202	TPO	7173	TRUE	0.18	0.107	0.596	0.07441
3874-8	UB2L3	UB2L3	Ubiquitin-conjugating enzyme E2 L3	P68036	UBE2L3	7332	TRUE	0.07	0.2439	0.334	0.109188
3879-50	CDC37	CDC37	Hsp90 co-chaperone Cdc37	Q16543	CDC37	11140	TRUE	0.15	0.2009	0.697	0.058455
3887-90	IMB1	IMB1	Importin subunit beta-1	Q14974	KPNB1	3837	TRUE	0.1	0.2	0.795	0.058344

3890-8	LDH-H 1	LDH-H 1	L-lactate dehydrogenase B chain	P07195	LDHB	3945	TRUE	0.07	0.1129	0.301	0.043013
3894-15	NAGK	NAGK	N-acetyl-D-glucosamine kinase	Q9UJ70	NAGK	55577	TRUE	0.05	1.6852	0.284	0.051634
3896-5	Phosphoglycerate mutase 1	Phosphoglycerate mutase 1	Phosphoglycerate mutase 1	P18669	PGAM1	5223	TRUE	0.12	0.1037	2.27	0.104742
3897-61	PLPP	PLPP	Pyridoxal phosphate phosphatase	Q96GD0	PDXP	57026	TRUE	0.08	0.1844	0.548	0.057354
3898-5	PSD7	PSD7	26S proteasome non-ATPase regulatory subunit 7	P51665	PSMD7	5713	TRUE	0.11	0.1625	0.261	0.079467
3903-49	Sorting nexin 4	Sorting nexin 4	Sorting nexin-4	O95219	SNX4	8723	TRUE	0.13	0.2215	0.871	0.092454
3905-62	UBE2N	UBE2N	Ubiquitin-conjugating enzyme E2 N	P61088	UBE2N	7334	TRUE	0.08	0.2573	0.464	0.050836
4122-12	discoidin domain receptor 1	discoidin domain receptor 1	Epithelial discoidin domain-containing receptor 1	Q08345	DDR1	780	TRUE	0.08	0.1197	1.25	0.042159
4124-24	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A	3303	TRUE	0.1	0.1531	0.233	0.121833
4125-52	sRAGE	sRAGE	Advanced glycosylation end product-specific receptor, soluble	Q15109	AGER	177	TRUE	0.07	0.167	0.827	0.032697
4126-22	BPI	BPI	Bactericidal permeability-increasing protein	P17213	BPI	671	TRUE	0.06	0.2258	1.493	0.042176
4127-75	C6	C6	Complement component C6	P13671	C6	729	TRUE	0.09	0.1098	0.166	0.024861
4129-72	Factor B	Factor B	Complement factor B	P00751	CFB	629	TRUE	0.14	0.1903	0.179	0.075188
4130-71	FGF-6	FGF-6	Fibroblast growth factor 6	P10767	FGF6	2251	TRUE	0.06	0.1719	0.216	0.063389
4131-72	Fibronectin	Fibronectin	Fibronectin	P02751	FN1	2335	TRUE	0.21	0.1743	0.352	0.073886
4132-27	FST	FST	Follistatin	P19883	FST	10468	TRUE	0.08	0.1674	0.126	0.16498
4133-54	Granzyme B	Granzyme B	Granzyme B	P10144	GZMB	3002	TRUE	0.1	0.1674	0.376	0.073487
4135-84	IgE	IgE	Immunoglobulin E	P01854	IGHE		TRUE	0.07	0.3458	1.998	0.063346
4138-25	IL-20	IL-20	Interleukin-20	Q9NYY1	IL20	50604	TRUE	0.05	0.115	0.25	0.055543
4139-71	IL-6 sRa	IL-6 sRa	Interleukin-6 receptor subunit alpha	P08887	IL6R	3570	TRUE	0.09	0.0764	0.227	0.064697
4141-79	IP-10	IP-10	C-X-C motif chemokine 10	P02778	CXCL10	3627	TRUE	0.17	0.2484	0.257	0.101138

4145-58	Neurotrophin-3	Neurotrophin-3	Neurotrophin-3	P20783	NTF3	4908	TRUE	0.14	0.1356	0.652	0.051239
4148-49	PAPP-A	PAPP-A	Pappalysin-1 Platelet-derived growth	Q13219	PAPPA	5069	TRUE	0.09	0.3074	0.523	0.035531
4149-8	PDGF-BB	PDGF-BB	factor subunit B	P01127	PDGFB	5155	TRUE	0.09	0.2068	0.966	0.105254
4151-6	Plasminogen	Plasminogen	Plasminogen	P00747	PLG	5340	TRUE	0.09	0.3643	0.118	0.07985
4152-58	Prekallikrein	Prekallikrein	Plasma kallikrein	P03952	KLKB1	3818	TRUE	0.19	0.2177	0.184	0.044797
4153-11	alpha-1-antichymotrypsin complex	alpha-1-antichymotrypsin complex	Alpha-1-antichymotrypsin complex	P07288 P01011	KLK3 SE RPINA3	354 1 2	TRUE	0.11	0.1949	0.242	0.059298
4154-57	P-Selectin	P-Selectin	P-selectin	P16109	SELP	6403	TRUE	0.13	0.2332	0.348	0.068304
4155-3	Tenascin	Tenascin	Tenascin	P24821	TNC	3371	TRUE	0.12	0.5625	0.499	0.057243
4157-2	Thrombin	Thrombin	Thrombin	P00734	F2	2147	TRUE	0.13	0.1791	0.195	0.070202
4158-54	uPA	uPA	Urokinase-type plasminogen activator	P00749	PLAU	5328	TRUE	0.07	0.1123	0.209	0.054902
4160-49	MMP-2	MMP-2	72 kDa type IV collagenase	P08253	MMP2	4313	TRUE	0.06	0.4617	0.215	0.053201
4162-54	Transferrin	Transferin	Serotransferrin	P02787	TF	7018	TRUE	0.08	0.318	0.101	0.031185
4179-57	14-3-3 protein gamma	14-3-3 protein gamma	14-3-3 protein gamma	P61981	YWHAG	7532	TRUE	0.11	0.2179	0.308	0.049906
4184-43	4EBP2	4EBP2	Eukaryotic translation initiation factor 4E-binding protein 2	Q13542	EIF4EBP2	1979	TRUE	0.1	0.1538	0.156	0.045641
4187-49	6-Phosphogluconate dehydrogenase	6-Phosphogluconate dehydrogenase	6-phosphogluconate dehydrogenase, decarboxylating	P52209	PGD	5226	TRUE	0.18	0.1994	0.822	0.045335
4188-1	Aflatoxin B1 aldehyde reductase	Aflatoxin B1 aldehyde reductase	Aflatoxin B1 aldehyde reductase member 2	O43488	AKR7A2	8574	TRUE	0.19	0.2376	0.822	0.091051
4192-10	AK1A1	AK1A1	Alcohol dehydrogenase [NADP(+)]	P14550	AKR1A1	10327	TRUE	0.07	0.3733	0.423	0.052096

4194-26	AN32B	AN32B	Acidic leucine-rich nuclear phosphoprotein 32 family member B	Q92688	ANP32B	10541	TRUE	0.07	0.2197	0.144	0.052407
4203-50	Cofilin-1	Cofilin-1	Cofilin-1	P23528	CFL1	1072	TRUE	0.14	0.9532	0.334	0.097738
4209-60	DRG-1	DRG-1	Vacuolar protein sorting-associated protein VTA1 homolog	Q9NP79	VTA1	51534	TRUE	0.07	0.3192	0.902	0.090219
4212-5	EP15R	EP15R	Epidermal growth factor receptor substrate 15-like 1	Q9UBC2	EPS15L1	58513	TRUE	0.1	0.1452	0.573	0.096522
4217-49	ERAB	ERAB	3-hydroxyacyl-CoA dehydrogenase type-2	Q99714	HSD17B10	3028	TRUE	0.1	0.2138	1.1	0.045045
4220-39	FER	FER	Tyrosine-protein kinase Fer	P16591	FER	2241	TRUE	0.12	0.3472	1.015	0.046096
4224-7	HNRPQ	HNRPQ	Heterogeneous nuclear ribonucleoprotein Q	O60506	SYNCRIP	10492	TRUE	0.26	0.1805	0.223	0.10431
4230-1	IF4G2	IF4G2	Eukaryotic translation initiation factor 4 gamma 2	P78344	EIF4G2	1982	TRUE	0.22	0.3077	0.591	0.015127
4232-19	IGF-I sR	IGF-I sR	Insulin-like growth factor 1 receptor	P08069	IGF1R	3480	TRUE	0.1	0.1948	0.156	0.073313
4234-8	IL-1 R4	IL-1 R4	Interleukin-1 receptor-like 1	Q01638	IL1RL1	9173	TRUE	0.1	0.1187	0.532	0.037735
4237-70	LCMT1	LCMT1	Leucine carboxyl methyltransferase 1	Q9UIC8	LCMT1	51451	TRUE	0.2	0.2255	0.442	0.071794
4238-4	LIN7B	LIN7B	Protein lin-7 homolog B	Q9HAP6	LIN7B	64130	TRUE	0.09	0.1208	0.121	0.046671
4240-31	M2-PK	M2-PK	Pyruvate kinase PKM	P14618	PKM	5315	TRUE	0.24	2.1975	1.038	0.109019
4246-40	NCAM-L1	NCAM-L1	Neural cell adhesion molecule L1	P32004	L1CAM	3897	TRUE	0.08	0.1365	0.278	0.023397
4249-64	NDP kinase B	NDP kinase B	Nucleoside diphosphate kinase B	P22392	NME2	4831	TRUE	0.08	0.188	0.876	0.066603
4250-23	NSF1C	NSF1C	NSFL1 cofactor p47	Q9UNZ2	NSFL1C	55968	TRUE	0.05	0.1583	0.528	0.031735
4258-15	PA2G4	PA2G4	Proliferation-associated protein 2G4	Q9UQ80	PA2G4	5036	TRUE	0.09	0.1286	0.687	0.03183
4272-46	PHI	PHI	Glucose-6-phosphate isomerase	P06744	GPI	2821	TRUE	0.05	0.1211	0.575	0.040535
4276-10	prostatic binding protein	prostatic binding protein	Phosphatidylethanolamine-binding protein 1	P30086	PEBP1	5037	TRUE	0.14	5.4573	0.429	0.073051
4280-47	PSA2	PSA2	Proteasome subunit alpha type-2	P25787	PSMA2	5683	TRUE	0.17	0.1713	0.228	0.106892
4282-3	RAN	RAN	GTP-binding nuclear protein Ran	P62826	RAN	5901	TRUE	0.58	0.6888	0.695	0.102381

4284-18	RBM39	RBM39	RNA-binding protein 39 Alpha-soluble NSF attachment protein	Q14498	RBM39	9584	TRUE	0.07	0.1638	0.236	0.044266
4292-5	SNAA	SNAA		P54920	NAPA	8775	TRUE	0.18	0.4029	0.76	0.08977
4294-16	Sphingosine kinase 1	Sphingosine kinase 1	Sphingosine kinase 1	Q9NYA1	SPHK1	8877	TRUE	0.18	0.3286	1.017	0.048126
4297-62	Spondin-1	Spondin-1	Spondin-1	Q9HCB6	SPON1	10418	TRUE	0.1	0.1433	0.18	0.083456
4301-58	Thymidine kinase	Thymidine kinase	Thymidine kinase, cytosolic	P04183	TK1	7083	TRUE	0.17	0.171	0.215	0.072017
4306-4	Transketolase	Transketolase	Transketolase	P29401	TKT	7086	TRUE	0.14	6.259	0.718	0.135732
4309-59	Triosephosphate isomerase	Triosephosphate isomerase	Triosephosphate isomerase	P60174	TPI1	7167	TRUE	0.11	6.0628	0.673	0.101884
4314-12	XTP3A	XTP3A	dCTP pyrophosphatase 1	Q9H773	DCTPP1	79077	TRUE	0.07	0.1517	0.289	0.067471
4318-12	PTP-1C	PTP-1C	Tyrosine-protein phosphatase non-receptor type 6	P29350	PTPN6	5777	TRUE	0.18	0.1645	0.618	0.070689
4324-33	CYTT	CYTT	Cystatin-SA	P09228	CST2	1470	TRUE	0.08	0.1432	0.738	0.05868
4328-2	BOC	BOC	Brother of CDO C-type lectin domain family 1 member B	Q9BWW1	BOC	91653	TRUE	0.06	0.6528	0.268	0.054916
4332-6	CLC1B	CLC1B	Serum amyloid A-1 protein	Q9P126	CLEC1B	51266	TRUE	0.12	0.2967	0.727	0.110921
4336-2	SAA	SAA		P0DJ18	SAA1	6288	TRUE	0.14	0.172	1.403	0.04545
4337-49	CRP	CRP	C-reactive protein	P02741	CRP	1401	TRUE	0.2	1.1205	0.806	0.161908
4342-10	sICAM-1	sICAM-1	Intercellular adhesion molecule 1	P05362	ICAM1	3383	TRUE	0.06	0.17	0.288	0.044492
4355-13	DAPK2	DAPK2	Death-associated protein kinase 2	Q9UIK4	DAPK2	23604	TRUE	0.1	0.1405	0.265	0.148449
4359-87	DYRK3	DYRK3	Dual specificity tyrosine-phosphorylation-regulated kinase 3	O43781	DYRK3	8444	TRUE	0.11	0.1288	0.319	0.049053
4374-45	MIC-1	MIC-1	Growth/differentiation factor 15	Q99988	GDF15	9518	TRUE	0.1	0.5394	0.493	0.067566
4389-2	DHH	DHH	Desert hedgehog protein N-product	O43323	DHH	50846	TRUE	0.09	0.2375	0.303	0.076627
4393-3	FGF-16	FGF-16	Fibroblast growth factor 16	O43320	FGF16	8823	TRUE	0.07	0.1828	0.411	0.056616
4407-10	MSP	MSP	Hepatocyte growth factor-like protein	P26927	MST1	4485	TRUE	0.09	0.1925	0.36	0.047898

4413-3	SLPI	SLPI	Antileukoproteinase	P03973	SLPI	6590	TRUE	0.15	2.5549	0.177	0.02964
4414-69	SP-D	SP-D	Pulmonary surfactant-associated protein D	P35247	SFTPD	6441	TRUE	0.1	2.6141	1.524	0.042853
4423-77	BCL2-like 1 protein	BCL2-like 1 protein	Bcl-2-like protein 1	Q07817	BCL2L1	598	TRUE	0.27	0.1369	0.223	0.068937
4428-1	CHST2	CHST2	Carbohydrate sulfotransferase 2	Q9Y4C5	CHST2	9435	TRUE	0.22	0.1888	0.382	0.104793
4430-44	Collectin Kidney 1	Collectin Kidney 1	Collectin-11	Q9BWP8	COLEC11	78989	TRUE	0.11	0.1091	0.511	0.052413
4435-66	ENPP7	ENPP7	Ectonucleotide pyrophosphatase/phosphodiesterase family member 7	Q6UWV6	ENPP7	33922 1	TRUE	0.09	0.1169	0.488	0.024797
4436-1	ENTP3	ENTP3	Ectonucleoside triphosphate diphosphohydrolase 3	O75355	ENTPD3	956	TRUE	0.22	0.1449	0.227	0.056147
4437-56	ENTP5	ENTP5	Ectonucleoside triphosphate diphosphohydrolase 5	O75356	ENTPD5	957	TRUE	0.1	0.1259	0.185	0.050745
4450-26	hnRNP A/B	hnRNP A/B	Heterogeneous nuclear ribonucleoprotein A/B	Q99729	HNRNPA B	3182	TRUE	0.09	0.2234	0.491	0.077668
4453-83	LRRT3	LRRT3	Leucine-rich repeat transmembrane neuronal protein 3	Q86VH5	LRRTM3	34773 1	TRUE	0.08	0.1956	0.139	0.046399
4455-89	MFGM	MFGM	Lactadherin	Q08431	MFGE8	4240	TRUE	0.11	0.4871	0.409	0.046547
4460-8	PDPK1	PDPK1	3-phosphoinositide-dependent protein kinase 1	O15530	PDPK1	5170	TRUE	0.09	0.1019	0.773	0.02669
4464-10	Sialoadhesin	Sialoadhesin	Sialoadhesin	Q9BZZ2	SIGLEC1	6614	TRUE	0.1	0.1188	0.199	0.042455
4467-49	SPARCL1	SPARCL1	SPARC-like protein 1	Q14515	SPARCL1	8404	TRUE	0.08	0.1523	0.228	0.049975
4468-21	SPHK2	SPHK2	Sphingosine kinase 2	Q9NRA0	SPHK2	56848	TRUE	0.12	0.1292	0.174	0.076002
4469-78	ST4S6	ST4S6	Carbohydrate sulfotransferase 15	Q7LFX5	CHST15	51363	TRUE	0.09	0.1239	0.193	0.054713
4472-5	Tropomyosin 2	Tropomyosin 2	Tropomyosin beta chain	P07951	TPM2	7169	TRUE	0.33	0.1597	0.296	0.044897
4476-22	ZAP70	ZAP70	Tyrosine-protein kinase ZAP-70	P43403	ZAP70	7535	TRUE	0.4	0.199	0.318	0.073702
4479-14	C1-Esterase Inhibitor	C1-Esterase Inhibitor	Plasma protease C1 inhibitor	P05155	SERPING 1	710	TRUE	0.17	0.1988	0.239	0.056137

4480-59	C3b	C3b	Complement C3b	P01024	C3	718	TRUE	0.41	0.5197	0.706	0.03631
4482-66	C5b, 6 Complex	C5b, 6 Complex	Complement C5b-C6 complex	P13671 P01031	C6 C5	729 727	TRUE	0.07	0.0952	0.129	0.045276
4487-1	FGF7	FGF7	Fibroblast growth factor 7	P21781	FGF7	2252	TRUE	0.06	0.1187	0.227	0.025621
4491-4	IL-5 Ra	IL-5 Ra	Interleukin-5 receptor subunit alpha	Q01344	IL5RA	3568	TRUE	0.11	0.1668	0.338	0.047585
4496-60	MMP-12	MMP-12	Macrophage metalloelastase	P39900	MMP12	4321	TRUE	0.06	0.1412	0.579	0.036222
4499-21	PDGF-AA	PDGF-AA	Platelet-derived growth factor subunit A	P04085	PDGFA	5154	TRUE	0.12	0.1749	0.723	0.067994
4500-50	SCGF-alpha	SCGF-alpha	Stem cell growth factor-alpha	Q9Y240	CLEC11A	6320	TRUE	0.09	0.1432	0.316	0.062558
4534-10	BSSP4	BSSP4	Brain-specific serine protease 4	Q9GZN4	PRSS22	64063	TRUE	0.09	0.1175	0.227	0.037464
4535-50	BST1	BST1	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2	Q10588	BST1	683	TRUE	0.1	0.1274	0.288	0.026007
4540-11	CBX5	CBX5	Chromobox protein homolog 5	P45973	CBX5	23468	TRUE	0.21	0.149	0.41	0.077382
4541-49	CDON	CDON	Cell adhesion molecule-related/down-regulated by oncogenes	Q4KMG0	CDON	50937	TRUE	0.08	0.0893	0.213	0.035944
4542-24	Clusterin	Clusterin	Clusterin	P10909	CLU	1191	TRUE	0.17	0.1494	0.123	0.090695
4543-65	CONA1	CONA1	Collagen alpha-1(XXIII) chain	Q86Y22	COL23A1	91522	TRUE	0.07	0.0997	0.232	0.038946
4544-4	CTAP-III	CTAP-III	Connective tissue-activating peptide III	P02775	PPBP	5473	TRUE	0.08	0.152	0.742	0.054177
4545-53	DnaJ homolog	DnaJ homolog	Mitochondrial import inner membrane translocase subunit TIM14	Q96DA6	DNAJC1	131118	TRUE	0.12	0.1278	0.25	0.067898
4546-27	EMR2	EMR2	Adhesion G protein-coupled receptor E2	Q9UHX3	ADGRE2	30817	TRUE	0.12	0.1434	0.246	0.034813
4547-59	FLRT1	FLRT1	Leucine-rich repeat transmembrane protein	Q9NZU1	FLRT1	23769	TRUE	0.09	0.1387	0.22	0.070479
4548-4	Fucosyltransferase 3	Fucosyltransferase 3	Fucosylt ransferase Galactoside 3(4)-L-fucosyltransferase	P21217	FUT3	2525	TRUE	0.06	0.1072	0.225	0.057501
4549-78	FUT5	FUT5	Alpha-(1,3)-fucosyltransferase 5	Q11128	FUT5	2527	TRUE	0.08	0.2068	0.345	0.059377
4551-72	GP114	GP114	Adhesion G-protein coupled receptor G5	Q8IZF4	ADGRG5	221188	TRUE	0.12	0.1435	0.147	0.042253

4553-65	HDGR2	HDGR2	Hepatoma-derived growth factor-related protein 2	Q7Z4V5	HDGFL2	84717	TRUE	0.07	0.0868	0.154	0.037177
4556-10	IL-34	IL-34	Interleukin-34	Q6ZMJ4	IL34	14643 3	TRUE	0.27	0.1355	0.903	0.045359
4557-61	KIRR3	KIRR3	Kin of IRRE-like protein 3	Q8IZU9	KIRREL3	84623	TRUE	0.11	0.1115	0.147	0.075514
4559-64	KYNU	KYNU	Kynureninase	Q16719	KYNU	8942	TRUE	0.09	0.1187	0.354	0.052576
4560-34	LCK	LCK	Tyrosine-protein kinase Lck	P06239	LCK	3932	TRUE	0.17	0.1103	0.54	0.027054
4562-1	NXPH1	NXPH1	Neurexophilin-1	P58417	NXPH1	30010	TRUE	0.22	0.1349	0.316	0.034579
4563-61	PLCG1	PLCG1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1	P19174	PLCG1	5335	TRUE	0.16	0.1213	0.86	0.040281
4564-2	PLXC1	PLXC1	Plexin-C1	O60486	PLXNC1	10154	TRUE	0.09	0.1317	0.221	0.229406
4566-24	RSPO2	RSPO2	R-spondin-2	Q6UXX9	RSPO2	34041 9	TRUE	0.08	0.11	0.838	0.073478
4567-82	SH21A	SH21A	SH2 domain-containing protein 1A	O60880	SH2D1A	4068	TRUE	0.07	0.1483	0.244	0.063311
4568-17	SLIK5	SLIK5	SLIT and NTRK-like protein 5	O94991	SLITRK5	26050	TRUE	0.1	0.1232	0.255	0.128734
4588-1	PH	PH	Pancreatic hormone	P01298	PPY	5539	TRUE	0.06	0.1196	0.731	0.054484
4594-22	PACAP-38	PACAP-38	Pituitary adenylate cyclase-activating polypeptide 38	P18509	ADCYAP1	116	TRUE	0.1	0.1357	0.144	0.066489
4673-13	IL-6	IL-6	Interleukin-6	P05231	IL6	3569	TRUE	0.08	0.1727	0.508	0.069998
4693-72	3HIDH	3HIDH	3-hydroxyisobutyrate dehydrogenase, mitochondrial	P31937	HIBADH	11112	TRUE	0.26	0.1989	0.554	0.061813
4696-2	FABP	FABP	Fatty acid-binding protein, heart	P05413	FABP3	2170	TRUE	0.19	0.1252	0.253	0.112494
4697-59	GM-CSF	GM-CSF	Granulocyte-macrophage colony-stimulating factor	P04141	CSF2	1437	TRUE	0.12	0.1068	1.398	0.068127
4706-17	41	41	Protein 4.1	P11171	EPB41	2035	TRUE	0.14	0.1295	0.443	0.076608
4707-50	14-3-3 eta	14-3-3 eta	14-3-3 protein eta	Q04917	YWHAH	7533	TRUE	0.23	0.2131	1.026	0.086252
4708-3	17-beta-HSD 1	17-beta-HSD 1	Estradiol 17-beta-dehydrogenase 1	P14061	HSD17B1	3292	TRUE	0.12	0.1242	0.214	0.062279
4712-28	Apo D	Apo D	Apolipoprotein D	P05090	APOD	347	TRUE	0.17	0.2772	0.163	0.080698
4717-55	IL-3	IL-3	Interleukin-3	P08700	IL3	3562	TRUE	0.16	0.116	0.186	0.079848
4718-5	PPIB	PPIB	Peptidyl-prolyl cis-trans isomerase B	P23284	PPIB	5479	TRUE	0.13	0.1441	0.545	0.051219

4719-58	Protein disulfide isomerase A3	Protein disulfide isomerase A3	Protein disulfide-isomerase A3	P30101	PDIA3	2923	TRUE	0.12	0.1779	0.611	0.072196
4721-54	TFF3	TFF3	Trefoil factor 3	Q07654	TFF3	7033	TRUE	0.12	0.149	0.374	0.084538
4763-31	Afamin	Afamin	Afamin	P43652	AFM	173	TRUE	0.07	0.092	0.165	0.044126
4775-34	Gelsolin	Gelsolin	Gelsolin	P06396	GSN	2934	TRUE	0.07	0.1839	0.151	0.074924
4785-30	CBG	CBG	Corticosteroid-binding globulin	P08185	SERPINA6	866	TRUE	0.21	0.0923	0.327	0.051874
4801-13	PERL	PERL	Lactoperoxidase	P22079	LPO	4025	TRUE	0.08	0.1289	0.587	0.139425
4807-13	CO8A1	CO8A1	Collagen alpha-1(VIII) chain	P27658	COL8A1	1295	TRUE	0.18	0.1069	2.452	0.111259
4811-33	ITI heavy chain H4	ITI heavy chain H4	Inter-alpha-trypsin inhibitor heavy chain H4	Q14624	ITIH4	3700	TRUE	0.07	0.189	0.166	0.081732
4815-25	TXD12	TXD12	Thioredoxin domain-containing protein 12	O95881	TXNDC12	51060	TRUE	0.1	0.2332	0.261	0.063811
4829-43	STRATIFIN	STRATIFIN	14-3-3 protein sigma	P31947	SFN	2810	TRUE	0.16	0.6584	0.335	0.085256
4831-4	sL-Selectin	sL-Selectin	L-Selectin	P14151	SELL	6402	TRUE	0.09	0.1197	0.195	0.073082
4832-75	TRAIL R1	TRAIL R1	Tumor necrosis factor receptor superfamily member 10A	O00220	TNFRSF10A	8797	TRUE	0.13	0.1039	1.15	0.08123
4834-61	Epithelial cell kinase	Epithelial cell kinase	Ephrin type-A receptor 2	P29317	EPHA2	1969	TRUE	0.07	0.2479	0.197	0.048468
4840-73	G-CSF	G-CSF	Granulocyte colony-stimulating factor	P09919	CSF3	1440	TRUE	0.08	0.0955	0.372	0.078545
4851-25	IL-1a	IL-1a	Interleukin-1 alpha	P01583	IL1A	3552	TRUE	0.11	0.1105	2.95	0.062246
4874-3	Angiogenin	Angiogenin	Angiogenin	P03950	ANG	283	TRUE	0.18	0.1261	0.245	0.105196
4876-32	Coagulation Factor IX	Coagulation Factor IX	Coagulation factor IX	P00740	F9	2158	TRUE	0.06	0.0938	0.141	0.069713
4878-3	Coagulation Factor X	Coagulation Factor X	Coagulation Factor X	P00742	F10	2159	TRUE	0.09	0.1317	0.157	0.044535
4880-21	GDF2	GDF2	Growth/differentiation factor 2	Q9UK05	GDF2	2658	TRUE	0.08	0.1345	0.161	0.085968
4886-3	MCP-3	MCP-3	C-C motif chemokine 7	P80098	CCL7	6354	TRUE	0.1	0.1661	0.178	0.079985

4891-50	Glucagon	Glucagon	Glucagon	P01275	GCG	2641	TRUE	0.11	0.1438	0.562	0.034228
4900-8	C3a	C3a	C3a anaphylatoxin	P01024	C3	718	TRUE	0.07	0.2725	0.191	0.03986
4903-72	Calcineurin	Calcineurin	Calcineurin	P63098 Q08209	PPP3R1 PPP3CA	5534 5530	TRUE	0.2	0.2769	0.781	0.056375
4905-63	Coactosin-like protein	Coactosin-like protein	Coactosin-like protein	Q14019	COTL1	23406	TRUE	0.11	0.2375	0.095	0.023621
4906-35	Coagulation Factor V	Coagulation Factor V	Coagulation Factor V	P12259 P02679 P02675 P02671	F5 FGG FGB FGA	2153 2266 2244 2243	TRUE	0.18	0.101	0.253	0.05641
4907-56	D-dimer	D-dimer	D-dimer	P02671	B FGA	2243	TRUE	0.14	0.0912	0.133	0.04675
4908-6	Endoglin	Endoglin	Endoglin	P17813	ENG	2022	TRUE	0.18	0.1086	0.183	0.060312
4910-21	GIB	GIB	Phospholipase A2	P04054	B	5319	TRUE	0.09	0.0945	0.442	0.083923
4911-49	Glutathione S-transferase Pi	Glutathione S-transferase Pi	Glutathione S-transferase P	P09211	GSTP1	2950	TRUE	0.15	0.2594	0.272	0.036713
4912-17	GOT1	GOT1	Aspartate aminotransferase, cytoplasmic	P17174	GOT1	2805	TRUE	0.16	0.3682	0.107	0.03429
4913-78	HCC-4	HCC-4	C-C motif chemokine 16	O15467	CCL16	6360	TRUE	0.1	0.287	0.584	0.032404
4914-10	HCG	HCG	Human Chorionic Gonadotropin	P0DN87 P0DN86 P01215	CGB7 CGB3 CGA	94027 1082 1081	TRUE	0.07	0.1632	1.872	0.040853
4916-2	IgD	IgD	Immunoglobulin D	P01880	IGHD		TRUE	0.09	0.2792	2.183	0.094512
4917-62	Integrin aVb5	Integrin aVb5	Integrin alpha-V: beta-5 complex	P18084 P06756	ITGB5 ITGAV	3693 3685	TRUE	0.29	0.2569	0.216	0.077908
4918-21	Kininogen, HMW	Kininogen, HMW	Kininogen-1	P01042	KNG1	3827	TRUE	0.05	0.1091	0.087	0.03838
4920-10	Lysozyme	Lysozyme	Lysozyme C	P61626	LYZ	4069	TRUE	0.3	0.3282	0.43	0.050831
4922-13	MIP-3b	MIP-3b	C-C motif chemokine 19	Q99731	CCL19	6363	TRUE	0.07	0.1047	0.816	0.072558
4923-79	MIS	MIS	Muellerian-inhibiting factor	P03971	AMH	268	TRUE	0.1	0.0917	0.144	0.050983
4924-32	MMP-1	MMP-1	Interstitial collagenase	P03956	MMP1	4312	TRUE	0.1	0.1533	0.913	0.046517
4925-54	MMP-13	MMP-13	Collagenase 3	P45452	MMP13	4322	TRUE	0.07	0.1208	0.356	0.065747

4929-55	SHBG	SHBG	Sex hormone-binding globulin	P04278	SHBG	6462	TRUE	0.09	0.1166	0.585	0.086485
4930-21	Stanniocalcin-1	Stanniocalcin-1	Stanniocalcin-1	P52823	STC1	6781	TRUE	0.07	0.1571	0.267	0.052915
4931-59	TF	TF	Tissue Factor	P13726	F3	2152	TRUE	0.22	0.1965	0.22	0.078326
4959-2	AGR2	AGR2	Anterior gradient protein 2 homolog	O95994	AGR2	10551	TRUE	0.13	0.2109	0.195	0.035623
4960-72	annexin I	I	annexin	P04083	ANXA1	301	TRUE	0.1	0.2273	1.678	0.142194
4961-17	annexin II	II	annexin	P07355	ANXA2	302	TRUE	0.14	5.9882	0.274	0.03919
4962-52	ARMEL	ARMEL	Cerebral dopamine neurotrophic factor	Q49AH0	CDNF	44154	TRUE	0.08	0.0834	0.194	0.038961
4964-67	ARTS1	ARTS1	Endoplasmic reticulum aminopeptidase 1	Q9NZ08	ERAP1	51752	TRUE	0.31	0.6107	0.495	0.049317
4965-27	ATP synthase beta chain	ATP synthase beta chain	ATP synthase subunit beta, mitochondrial	P06576	ATP5F1B	506	TRUE	0.19	0.1844	0.254	0.066427
4967-1	C1QBP	C1QBP	Complement component 1 Q subcomponent-binding protein, mitochondrial	Q07021	C1QBP	708	TRUE	0.15	0.2706	0.078	0.055326
4968-50	CAPG	CAPG	Macrophage-capping protein	P40121	CAPG	822	TRUE	0.25	0.3141	0.43	0.055892
4969-2	Carbonic anhydrase I	Carbonic anhydrase I	Carbonic anhydrase 1	P00915	CA1	759	TRUE	0.09	0.0924	0.376	0.098859
4971-1	CATZ	CATZ	Cathepsin Z	Q9UBR2	CTSZ	1522	TRUE	0.08	0.1668	0.235	0.023503
4976-57	CRK	CRK	Adapter molecule crk	P46108	CRK	1398	TRUE	0.05	0.1151	0.476	0.024262
4978-54	DBNL	DBNL	Drebrin-like protein	Q9UJU6	DBNL	28988	TRUE	0.42	0.3858	0.315	0.048817
4979-34	DERM	DERM	Dermatopontin	Q07507	DPT	1805	TRUE	0.09	0.1307	0.248	0.023661
4982-54	Elafin	Elafin	Elafin	P19957	PI3	5266	TRUE	0.1	5.6904	0.356	0.051343
4983-6	ERP29	ERP29	Endoplasmic reticulum resident protein 29	P30040	ERP29	10961	TRUE	0.12	0.8502	0.264	0.063137
4984-83	Esterase D	Esterase D	S-formylglutathione hydrolase	P10768	ESD	2098	TRUE	0.19	2.7306	0.257	0.054049
4985-11	FABPE	FABPE	Fatty acid-binding protein, epidermal	Q01469	FABP5	2171	TRUE	0.09	0.0841	3.781	0.067592
4986-59	FAK1	FAK1	Focal adhesion kinase 1	Q05397	PTK2	5747	TRUE	0.08	0.0934	0.233	0.053024
4987-17	FCAR	FCAR	Immunoglobulin alpha Fc receptor	P24071	FCAR	2204	TRUE	0.3	0.4941	0.524	0.175847

4988-49	FGFR4	FGFR4	Fibroblast growth factor receptor 4	P22455	FGFR4	2264	TRUE	0.08	0.1014	4.896	0.053403
		Fibrinogen g-chain dimer									
4989-4990-87	GP1BA	GP1BA	Fibrinogen gamma chain Platelet glycoprotein Ib alpha chain	P02679	FGG	2266	TRUE	0.15	0.1675	0.161	0.068926
4991-12	GPC5	GPC5	Glypican-5	P78333	GPC5	2262	TRUE	0.22	0.1823	0.487	0.04675
4992-49	GRN	GRN	Granulins	P28799	GRN	2896	TRUE	0.09	0.6815	0.182	0.038831
4995-16	HPG-	HPG-	15-hydroxyprostaglandin dehydrogenase [NAD(+)]	P15428	HPGD	3248	TRUE	0.14	0.1285	0.097	0.064766
4996-66	HRG	HRG	Histidine-rich glycoprotein	P04196	HRG	3273	TRUE	0.12	0.1142	0.284	0.090669
5000-52	LG3BP	LG3BP	Galectin-3-binding protein	Q08380	LGALS3B	3959	TRUE	0.1	0.1797	0.337	0.033149
	Mammaglobin 2	Mammaglobin 2			SCGB2A						
5001-6			Mammaglobin-B	O75556	1	4246	TRUE	0.17	0.1926	0.134	0.028141
5002-76	MMP-14	MMP-14	Matrix metalloproteinase-14	P50281	MMP14	4323	TRUE	0.11	0.1372	0.615	0.04457
5004-69	MK11	MK11	Mitogen-activated protein kinase 11	Q15759	MAPK11	5600	TRUE	0.1	0.1109	2.578	0.071695
5006-71	MK13	MK13	Mitogen-activated protein kinase 13	O15264	MAPK13	5603	TRUE	0.06	0.0802	1.401	0.074783
5007-1	MAPK14	MAPK14	Mitogen-activated protein kinase 14	Q16539	MAPK14	1432	TRUE	0.09	0.1151	0.63	0.050805
5008-51	Mn SOD	Mn SOD	Superoxide dismutase [Mn], mitochondrial	P04179	SOD2	6648	TRUE	0.2	1.329	0.236	0.031291
5009-11	Moesin	Moesin	Moesin	P26038	MSN	4478	TRUE	0.09	0.1456	0.38	0.065733
5011-11	PBEF	PBEF	Nicotinamide phosphoribosyltransferase	P43490	NAMPT	10135	TRUE	0.26	0.3436	0.582	0.03969
		Myokinas									
5012-67	Myokinas e, human	Myokinas e, human	Adenylate kinase isoenzyme 1	P00568	AK1	203	TRUE	0.05	0.2408	0.4	0.027894
5013-2	NCC27	NCC27	Chloride intracellular channel protein 1	O00299	CLIC1	1192	TRUE	0.14	0.1922	0.711	0.030206
5014-49	NCK1	NCK1	Cytoplasmic protein NCK1	P16333	NCK1	4690	TRUE	0.24	0.0961	0.498	0.075467
5015-15	PAFAH	PAFAH	Platelet-activating factor acetylhydrolase	Q13093	PLA2G7	7941	TRUE	0.1	0.1089	0.315	0.054306
5017-19	Peroxi redoxin-5	Peroxi redoxin-5	Peroxi redoxin-5, mitochondrial	P30044	PRDX5	25824	TRUE	0.14	0.1225	0.189	0.062563

5018-68	Peroxiredoxin-6	Peroxiredoxin-6	Peroxiredoxin-6 Ubiquitin carboxyl-terminal hydrolase	P30041	PRDX6	9588	TRUE	0.09	4.635	0.506	0.109743
5019-16	PGP9.5	PGP9.5	isozyme L1	P09936	UCHL1	7345	TRUE	0.29	0.5896	0.232	0.028882
5020-50	phosphoglycerate kinase 1	phosphoglycerate kinase 1	Phosphoglycerate kinase 1	P00558	PGK1	5230	TRUE	0.12	0.1174	0.449	0.062932
5021-13	PPase	PPase	Inorganic pyrophosphatase	Q15181	PPA1	5464	TRUE	0.27	4.7045	0.394	0.053609
5023-23	PUR8	PUR8	Adenylosuccinate lyase	P30566	ADSL	158	TRUE	0.14	0.1934	0.403	0.024007
5028-59	sCD163	sCD163	Scavenger receptor cysteine-rich type 1 protein M130	Q86VB7	CD163	9332	TRUE	0.07	0.0951	0.291	0.045505
5029-3	SEPR	SEPR	Prolyl endopeptidase FAP	Q12884	FAP	2191	TRUE	0.11	0.1257	0.195	0.050495
5030-52	SIRT2	SIRT2	NAD-dependent protein deacetylase sirtuin-2	Q8IXJ6	SIRT2	22933	TRUE	0.2	0.6497	0.401	0.079769
5033-27	Tropomyosin 1 alpha chain	Tropomyosin 1 alpha chain	Tropomyosin alpha-1 chain	P09493	TPM1	7168	TRUE	0.06	0.0819	6.551	0.030306
5034-79	Trypsin 2	Trypsin 2	Trypsin-2	P07478	PRSS2	5645	TRUE	0.13	0.2043	0.509	0.080167
5036-50	TSG-6	TSG-6	Tumor necrosis factor-inducible gene 6 protein	P98066	TNFAIP6	7130	TRUE	0.06	0.2087	0.276	0.043936
5060-62	B7-H1	B7-H1	Programmed cell death 1 ligand 1	Q9NZQ7	CD274	29126	TRUE	0.1	0.1933	0.309	0.033121
5061-27	B7-H2	B7-H2	ICOS ligand	O75144	ICOSLG	23308	TRUE	0.07	0.2595	0.767	0.060077
5063-12	CD244	CD244	Natural killer cell receptor 2B4	Q9BZW8	CD244	51744	TRUE	0.12	0.1657	0.177	0.09785
5069-9	DAF	DAF	Complement decay-accelerating factor	P08174	CD55	1604	TRUE	0.09	0.4115	0.164	0.064805
5078-82	EphB6	EphB6	Ephrin type-B receptor 6	O15197	EPHB6	2051	TRUE	0.12	0.2127	0.171	0.015665
5080-131	GPNMB	GPNMB: ECD	Transmembrane glycoprotein NMB: Extracellular domain X-linked interleukin-1	Q14956	GPNMB	10457	TRUE	0.1	0.1855	0.223	0.035589
5082-51	IL-1 sR9	IL-1 sR9	receptor accessory protein-like 2	Q9NP60	IL1RAPL2	26280	TRUE	0.1	0.1077	2.572	0.037272
5084-154	IL-17B R	IL-17B R	Interleukin-17 receptor B	Q9NRM6	IL17RB	55540	TRUE	0.08	0.1081	0.985	0.043475

5087-5	IL-22BP	IL-22BP	Interleukin-22 receptor subunit alpha-2	Q969J5	IL22RA2	9	11637	TRUE	0.16	0.0867	0.235	0.036119
5090-49	ILT-2	ILT-2	Leukocyte immunoglobulin-like receptor subfamily B member 1	Q8NHL6	LILRB1	10859		TRUE	0.14	0.2539	0.45	0.051782
5091-28	ILT-4	ILT-4	Leukocyte immunoglobulin-like receptor subfamily B member 2	Q8N423	LILRB2			TRUE	0.1	0.1477	0.22	0.064834
5092-51	JAG1	JAG1:EC	Protein jagged-1:Extracellular domain	P78504	JAG1	182		TRUE	0.09	0.1747	0.19	0.057151
5093-47	JAG2	JAG2	Protein jagged-2	Q9Y219	JAG2	3714		TRUE	0.07	0.1523	1.503	0.056374
5098-79	KLRF1	KLRF1	Killer cell lectin-like receptor subfamily F member 1	Q9NZS2	KLRF1	51348		TRUE	0.11	0.0992	0.405	0.083017
5099-14	LAG-3	LAG-3	Lymphocyte activation gene 3 protein	P18627	LAG3	3902		TRUE	0.07	0.1898	0.313	0.02215
5102-55	MICB	MICB	MHC class I polypeptide-related sequence B	Q29980	MICB	4277		TRUE	0.07	0.0982	0.236	0.033167
5104-57	NKp46	NKp46	Natural cytotoxicity triggering receptor 1	O76036	NCR1	9437		TRUE	0.11	0.1565	3.063	0.060863
5105-2	Nogo Receptor	Nogo Receptor	Reticulon-4 receptor	Q9BZR6	RTN4R	65078		TRUE	0.1	0.1199	0.208	0.037867
5107-7	Notch 1	Notch 1	Neurogenic locus notch homolog protein 1	P46531	NOTCH1	4851		TRUE	0.13	0.4768	0.124	0.056465
5108-72	Notch-3	Notch-3	Neurogenic locus notch homolog protein 3	Q9UM47	NOTCH3	4854		TRUE	0.08	0.0584	0.208	0.023728
5111-15	NRX3B	NRX3B	Neurexin-3-beta	Q9HDB5	NRXN3	9369		TRUE	0.11	0.1608	0.665	0.042053
5112-73	OX2G	OX2G	OX-2 membrane glycoprotein	P41217	CD200	4345		TRUE	0.07	0.1149	0.12	0.096134
5114-65	Prolactin Receptor	Prolactin Receptor	Prolactin receptor	P16471	PRLR	5618		TRUE	0.07	0.0813	0.133	0.051289
5121-3	SEM6B	SEM6B	Semaphorin-6B	Q9H3T3	SEMA6B	10501		TRUE	0.08	0.1465	0.668	0.050067
5124-62	sICAM-5	sICAM-5	Intercellular adhesion molecule 5	Q9UMF0	ICAM5	7087		TRUE	0.08	0.0884	0.309	0.050969
5124-69	sICAM-5	sICAM-5	Intercellular adhesion molecule 5	Q9UMF0	ICAM5	7087		TRUE	0.12	0.1505	0.365	0.074894
5125-6	SIG14	SIG14	Sialic acid-binding Ig-like lectin 14	Q08ET2	SIGLEC1	10004		TRUE	0.06	0.1694	0.439	0.046069
5128-53	SLAF6	SLAF6	SLAM family member 6	Q96DU3	SLAMF6	11483	6	TRUE	0.12	0.1985	0.532	0.081702

5129-12	SREC-I	SREC-I	Scavenger receptor class F member 1	Q14162	SCARF1	8578	TRUE	0.19	0.1555	0.296	0.076667
5132-71	TCCR	TCCR	Interleukin-27 receptor subunit alpha	Q6UWB1	IL27RA	9466	TRUE	0.05	0.1213	0.232	0.04174
5133-17	TGF-b R II	TGF-b R II	TGF-beta receptor type-2	P37173	TGFBR2	7048	TRUE	0.13	0.1534	0.364	0.056353
5134-52	TIMD3	TIMD3	Hepatitis A virus cellular receptor 2	Q8TDQ0	HAVCR2	84868	TRUE	0.17	0.2252	0.304	0.051804
5138-50	TWEAKR	TWEAKR	Tumor necrosis factor receptor superfamily member 12A	Q9NP84	TNFRSF12A	51330	TRUE	0.05	0.165	2.263	0.061862
5139-32	UNC5H3	UNC5H3	Netrin receptor UNC5C	O95185	UNC5C	8633	TRUE	0.16	0.2763	0.196	0.076726
5140-56	UNC5H4	UNC5H4	Netrin receptor UNC5D	Q6UXZ4	UNC5D	0	TRUE	0.07	0.1201	0.242	0.066752
5178-5	PDE7A	PDE7A	High affinity cAMP-specific 3',5'-cyclic phosphodiesterase 7A	Q13946	PDE7A	5150	TRUE	0.06	0.1631	0.893	0.037874
5193-51	K-ras	K-ras	GTPase KRas	P01116	KRAS	3845	TRUE	0.09	0.1425	0.185	0.073928
5196-7	NMT1	NMT1	Glycylpeptide N-tetradecanoyltransferase 1	P30419	NMT1	4836	TRUE	0.1	0.1348	0.262	0.079577
5201-50	PDE9A	PDE9A	High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A	O76083	PDE9A	5152	TRUE	0.12	0.169	0.546	0.063858
5202-4	PPID	PPID	Peptidyl-prolyl cis-trans isomerase D	Q08752	PPID	5481	TRUE	0.48	0.5033	0.999	0.054385
5223-59	GCKR	GCKR	Glucokinase regulatory protein	Q14397	GCKR	2646	TRUE	0.11	0.116	0.183	0.045287
5225-50	CK2-A1:B	CK2-A1:B	Casein kinase II 2-alpha:2-beta heterotetramer	P67870 P68400	CSNK2B CSNK2A1	1460 1457	TRUE	0.09	0.1918	0.734	0.044534
5226-36	CK2-A2:B	CK2-A2:B	Casein kinase II 2-alpha':2-beta heterotetramer	P67870 P19784	CSNK2B CSNK2A2	1460 1459	TRUE	0.2	0.1365	1.334	0.055054
5228-25	KIF23	KIF23	Kinesin-like protein KIF23	Q02241	KIF23	9493	TRUE	0.07	0.1768	1.661	0.071261
5229-90	IMDH1	IMDH1	Inosine-5'-monophosphate dehydrogenase 1	P20839	IMPDH1	3614	TRUE	0.13	0.3554	3.656	0.15582
5231-79	PCSK9	PCSK9	Proprotein convertase subtilisin/kexin type 9	Q8NBP7	PCSK9	8	TRUE	0.1	0.3485	0.714	0.028479
5242-37	MP2K4	MP2K4	Dual specificity mitogen-activated protein kinase kinase 4	P45985	MAP2K4	6416	TRUE	0.18	0.286	0.286	0.038008
5245-40	AMPK a2b2g1	AMPK a2b2g1	AMP Kinase (alpha2beta2gamma1)	P54619 O43741 P54646	PRKAB2 PRKAA2	5571 5565 5563	TRUE	0.08	0.1636	1.001	0.098764

5248-68	Cyclophilin F	Cyclophilin F	Peptidyl-prolyl cis-trans isomerase F, mitochondrial	P30405	PPIF	10105	TRUE	0.09	0.2034	0.948	0.076893
5249-31	DRAK2	DRAK2	Serine/threonine-protein kinase 17B	O94768	STK17B	9262	TRUE	0.41	0.1396	0.168	0.031747
5250-53	IMDH2	IMDH2	Inosine-5'-monophosphate dehydrogenase 2	P12268	IMPDH2	3615	TRUE	0.17	0.1545	0.212	0.051679
5253-1	PDE1A	PDE1A	Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1A	P54750	PDE1A	5136	TRUE	0.11	0.2076	0.285	0.065271
5254-69	PDE3A	PDE3A	cGMP-inhibited 3',5'-cyclic phosphodiesterase A	Q14432	PDE3A	5139	TRUE	0.09	0.1731	0.595	0.033969
5255-22	PDE4D	PDE4D	cAMP-specific 3',5'-cyclic phosphodiesterase 4D	Q08499	PDE4D	5144	TRUE	0.09	0.1383	0.264	0.039617
5256-86	PDE5A	PDE5A	cGMP-specific 3',5'-cyclic phosphodiesterase	O76074	PDE5A	8654	TRUE	0.15	0.3185	0.933	0.041271
5259-2	TAK1-TAB1	TAK1-TAB1	Mitogen-activated protein kinase kinase kinase 7:TGF-beta-activated kinase 1 and MAP3K7-binding protein 1 fusion	Q15750 O43318	TAB1 MAP3K7	10454 6885	TRUE	0.09	0.1546	0.226	0.040435
5260-80	TYK2	TYK2	Non-receptor tyrosine-protein kinase TYK2	P29597	TYK2	7297	TRUE	0.08	0.2713	1.967	0.041183
5261-13	ABL2	ABL2	Abelson tyrosine-protein kinase 2	P42684	ABL2	27	TRUE	0.08	0.1397	0.13	0.046105
5262-57	BCAR3	BCAR3:SH2	Breast cancer anti-estrogen resistance protein 3:Src Homology domain	O75815	BCAR3	8412	TRUE	0.12	0.1485	0.994	0.045369
5264-65	calreticulin	calreticulin	Calreticulin	P27797	CALR	811	TRUE	0.15	0.1227	0.244	0.047324
5265-12	GRB2-related adapter protein 2	GRB2-related adapter protein 2	GRB2-related adapter protein 2	O75791	GRAP2	9402	TRUE	0.09	0.1515	0.819	0.07849
5268-49	MMP-16	MMP-16	Matrix metalloproteinase-16	P51512	MMP16	4325	TRUE	0.09	0.1788	0.123	0.080247
5272-55	SHC1	SHC1:SH2	SHC-transforming protein 1:Src Homology domain	P29353	SHC1	6464	TRUE	0.1	0.174	0.794	0.054547
5275-28	VAV	VAV	Proto-oncogene vav	P15498	VAV1	7409	TRUE	0.11	0.2695	1.123	0.050975
5280-68	GHC2	GHC2	Mitochondrial glutamate carrier 2	Q9H1K4	SLC25A1	83733	TRUE	0.09	0.1104	0.13	0.047573

5301-7	Eotaxin	Eotaxin	Eotaxin	P51671	CCL11	6356	TRUE	0.13	0.184	0.317	0.067462
		Coagulat									
	Coagulati	ion									
5307-12	IXab	IXab	Coagulation factor IXab	P00740	F9	2158	TRUE	0.06	0.1515	0.145	0.061916
5312-49	Unknown	Apo E2	Apolipoprotein E (isoform E2)	P02649	APOE	348	TRUE	0.14	0.1654	0.245	0.070769
5315-22	Troponin T	Troponin T	Troponin T, cardiac muscle	P45379	TNNT2	7139	TRUE	0.1	0.116	0.736	0.032932
5316-54	Prothrombin	Prothrombin	Prothrombin	P00734	F2	2147	TRUE	0.12	0.2564	0.15	0.052469
5335-73	annexin VI	annexin VI	Annexin A6	P08133	ANXA6	309	TRUE	0.12	0.3106	0.581	0.057771
5337-64	B7-2	B7-2	T-lymphocyte activation antigen CD86	P42081	CD86	942	TRUE	0.18	0.1302	0.213	0.067738
5339-49	calgranulin B	calgranulin B	Protein S100-A9	P06702	S100A9	6280	TRUE	0.13	0.2197	0.599	0.039543
5340-24	Caspase-10	Caspase-10:region 1	Caspase-10:region 1	Q92851	CASP10	843	TRUE	0.14	0.3312	0.46	0.028339
5343-74	CBPE	CBPE	Carboxypeptidase E	P16870	CPE	1363	TRUE	0.13	0.276	0.267	0.090474
5345-51	CKAP2	CKAP2	Cytoskeleton-associated protein 2	Q8WWK9	CKAP2	26586	TRUE	0.2	0.3709	0.178	0.101919
5346-24	CPNE1	CPNE1:2	CPNE1:Copine-1:Ca2+-dependent 2, 1 and membrane-targeting module domains 1 and 2	Q99829	CPNE1	8904	TRUE	0.1	0.1245	0.906	0.041528
5347-59	Cyclin B1	Cyclin B1	G2/mitotic-specific cyclin-B1	P14635	CCNB1	891	TRUE	0.08	0.0929	1.379	0.080518
5349-69	DLL1	DLL1	Delta-like protein 1	O00548	DLL1	28514	TRUE	0.08	0.106	0.542	0.049283
5350-14	GPC6	GPC6	Glypican-6	Q9Y625	GPC6	10082	TRUE	0.16	0.1751	0.121	0.043698
5351-52	hnRNP A2/B1	hnRNP A2/B1	Heterogeneous nuclear ribonucleoproteins A2/B1	P22626	HNRNPA2B1	3181	TRUE	0.1	0.7004	0.748	0.056826
5352-11	HVEM	HVEM	Tumor necrosis factor receptor superfamily member 14	Q92956	TNFRSF14	8764	TRUE	0.11	0.1779	0.259	0.101088
5354-11	Keratin 18	Keratin 18	Keratin, type I cytoskeletal 18	P05783	KRT18	3875	TRUE	0.09	0.108	0.962	0.084582
5355-69	LIGHT	LIGHT	Tumor necrosis factor ligand superfamily member 14	O43557	TNFSF14	8740	TRUE	0.14	0.1273	0.314	0.075164
5356-2	MIF	MIF	Macrophage migration inhibitory factor	P14174	MIF	4282	TRUE	0.21	0.1456	0.29	0.054598

5358-3	OMD	OMD	Osteomodulin	Q99983	OMD	4958	TRUE	0.11	0.3555	0.383	0.132442
5359-65	PIM1	PIM1	Serine/threonine-protein kinase pim-1	P11309	PIM1	5292	TRUE	0.12	0.0847	0.181	0.06484
5360-9	PKB beta	PKB beta	RAC-beta serine/threonine-protein kinase	P31751	AKT2	208	TRUE	0.09	0.1392	0.777	0.061085
5363-51	Semaphorin 3E	Semaphorin 3E	Semaphorin-3E	O15041	SEMA3E	9723	TRUE	0.16	0.2304	0.276	0.071032
5364-7	SET	SET	Protein SET	Q01105	SET	6418	TRUE	0.11	0.3008	0.134	0.053736
5383-14	BAFF Receptor	BAFF Receptor	Tumor necrosis factor receptor superfamily member 13C	Q96RJ3	TNFRSF13C	11565	TRUE	0.12	0.1412	0.416	0.067654
5384-67	BRF-1	BRF-1	Transcription factor IIIB 90 kDa subunit	Q92994	BRF1	2972	TRUE	0.11	0.0906	0.136	0.026163
5392-73	Fas, soluble	Fas, soluble	Tumor necrosis factor receptor superfamily member 6	P25445	FAS	355	TRUE	0.08	0.1662	0.263	0.063164
5400-52	sLeptin R	sLeptin R	Leptin receptor, soluble	P48357	LEPR	3953	TRUE	0.1	0.1298	0.505	0.076444
5404-53	DR6	DR6	Tumor necrosis factor receptor superfamily member 21	O75509	TNFRSF21	27242	TRUE	0.1	0.1774	0.182	0.05125
5410-53	CAD15	CAD15	Cadherin-15:Extracellular domain	P55291	CDH15	1013	TRUE	0.26	0.1757	0.193	0.086289
5412-53	CD27	CD27	CD27 antigen	P26842	CD27	939	TRUE	0.52	0.0907	0.21	0.03216
5424-55	RANK	RANK	Tumor necrosis factor receptor superfamily member 11A	Q9Y6Q6	TNFRSF11A	8792	TRUE	0.6	0.0772	4.194	0.056297
5430-66	SHPS1	SHPS1	Tyrosine-protein phosphatase non-receptor type substrate 1	P78324	SIRPA	14088	TRUE	0.08	0.1166	0.546	0.042933
5437-63	FABP	FABP	Fatty acid-binding protein, heart	P05413	FABP3	2170	TRUE	0.1	0.1579	0.484	0.057883
5440-26	Troponin I, fast twitch	Troponin I, skeletal, fast twitch	Troponin I, fast skeletal muscle	P48788	TNNI2	7136	TRUE	0.09	0.1159	1.068	0.069621
5441-67	Troponin I	Troponin I	Troponin I, cardiac muscle	P19429	TNNI3	7137	TRUE	0.12	0.1482	1.126	0.056526
5443-62	ANP	ANP	Atrial natriuretic factor	P01160	NPPA	4878	TRUE	0.09	0.1577	0.18	0.037135
5451-1	ALCAM	ALCAM	CD166 antigen	Q13740	ALCAM	214	TRUE	0.1	0.3207	0.171	0.057016
5452-71	ASGR1	ASGR1	Asialoglycoprotein receptor 1	P07306	ASGR1	432	TRUE	0.05	0.0985	0.261	0.039789

5456-59	CNDP1	CNDP1 COLEC1	Beta-Ala-His dipeptidase	Q96KN2	CNDP1	84735	TRUE	0.14	0.2041	0.351	0.079293
5457-5	COLEC12	2	Collectin-12	Q5KU26	COLEC12	81035	TRUE	0.09	0.1671	0.344	0.032666
5459-33	CYTN	CYTN DEAD- DEAD-box protein	Cystatin-SN	P01037	CST1	1469	TRUE	0.1	0.7659	0.486	0.029204
5460-60	19B	19B	ATP-dependent RNA helicase DDX19B	Q9UMR2	DDX19B	11269	TRUE	0.06	0.1872	0.58	0.023432
5462-62	Ficolin-3	Ficolin-3	Ficolin-3	O75636	FCN3	8547	TRUE	0.1	0.1262	0.207	0.036622
5463-22	GAS1	GAS1	Growth arrest-specific protein 1	P54826	GAS1	2619	TRUE	0.1	0.3051	0.332	0.177306
5464-52	GRB2 adapter protein	GRB2 adapter protein	Growth factor receptor-bound protein 2	P62993	GRB2	2885	TRUE	0.16	0.1539	0.96	0.038373
5465-32	H6ST1	H6ST1	Heparan-sulfate 6-O-sulfotransferase 1	O60243	HS6ST1	9394	TRUE	0.09	0.0921	0.148	0.044721
5467-15	HSP 90b	HSP 90b	Heat shock protein HSP 90-beta	P08238	HSP90A B1	3326	TRUE	0.12	4.8601	0.679	0.064938
5475-10	PKC-B-II	PKC-B-II	Protein kinase C beta type (splice variant beta-II)	P05771	PRKCB	5579	TRUE	0.06	0.1947	0.927	0.027847
5478-50	PSMA	PSMA	Glutamate carboxypeptidase 2	Q04609	FOLH1	2346	TRUE	0.06	0.1592	0.785	0.040599
5480-49	RANTES	RANTES	C-C motif chemokine 5	P13501	CCL5	6352	TRUE	0.09	0.4078	0.641	0.087108
5481-16	RASA1	RASA1	Ras GTPase-activating protein 1	P20936	RASA1	5921	TRUE	0.12	0.1522	1.153	0.035488
5483-1	RGMA	RGMA	Repulsive guidance molecule A	Q96B86	RGMA	56963	TRUE	0.09	0.1953	0.198	0.078792
5484-63	RS3A	RS3A	40S ribosomal protein S3a	P61247	RPS3A	6189	TRUE	0.06	0.1117	0.602	0.050579
5486-73	sICAM-2	sICAM-2	Intercellular adhesion molecule 2	P13598	ICAM2	3384	TRUE	0.06	0.1084	0.122	0.057128
5487-7	SLAF7	SLAF7	SLAM family member 7	Q9NQ25	SLAMF7	57823	TRUE	0.12	0.258	0.396	0.08189
5490-53	Testican-1	Testican-1	Testican-1	Q08629	SPOCK1	6695	TRUE	0.16	0.5403	0.218	0.053923
5491-12	Testican-2	Testican-2	Testican-2	Q92563	SPOCK2	9806	TRUE	0.11	0.3027	0.194	0.040569
5493-17	WNK3	WNK3	Serine/threonine-protein kinase WNK3	Q9BYP7	WNK3	65267	TRUE	0.07	0.137	0.54	0.049733
5494-52	RUXF	RUXF	Small nuclear ribonucleoprotein F	P62306	SNRPF	6636	TRUE	0.13	0.1263	0.326	0.085493
5508-62	Cathepsin D	Cathepsin D	Cathepsin D	P07339	CTSD	1509	TRUE	5.18	0.3157	0.676	0.050775
5509-7	EGF	EGF:ECD	Epidermal growth factor:Extracellular domain	P01133	EGF	1950	TRUE	0.15	0.1763	0.201	0.052645

5526-53	GITR	GITR	Tumor necrosis factor receptor superfamily member 18	Q9Y5U5	TNFRSF1	8	8784	TRUE	0.13	0.1246	0.572	0.047906
5532-53	bFGF-R	bFGF-R	Fibroblast growth factor receptor 1	P11362	FGFR1	2260		TRUE	0.13	0.1236	0.143	0.158069
5534-49	TRAIL R2	TRAIL R2:ECD	Tumor necrosis factor receptor superfamily member 10B:Extracellular domain, TNFR-Cys domains 1-3	O14763	TNFRSF1	OB	8795	TRUE	0.1	0.1313	0.306	0.062277
5581-28	FGL1	FGL1	Fibrinogen-like protein 1	Q08830	FGL1		2267	TRUE	0.06	0.11	0.566	0.033187
5584-21	Holo-TC II	Holo-TC II	Holo-Transcobalamin-2 Multiple inositol polyphosphate phosphatase 1	P20062	TCN2		6948	TRUE	0.11	0.1967	0.232	0.072807
5586-66	MINP1	MINP1	Coiled-coil domain-containing protein 134	Q9UNW1	MINPP1		9562	TRUE	0.15	0.2127	0.138	0.078532
5587-3	CC134	CC134		Q9H6E4	CCDC13	4	79879	TRUE	0.09	0.1119	0.239	0.031472
5590-11	ZPLD1	ZPLD1	Zona pellucida-like domain-containing protein 1	Q8TCW7	ZPLD1		13136	TRUE	0.11	0.1899	0.109	0.053328
5594-87	MESD2	MESD2	LDLR chaperone MESD	Q14696	MESD		23184	TRUE	0.08	0.1258	0.324	0.050549
5596-75	CD5	CD5:ECD	T-cell surface glycoprotein CD5:Extracellular domain	P06127	CD5		921	TRUE	0.29	0.2364	0.235	0.041423
5598-3	GREM2	GREM2	Gremlin-2	Q9H772	GREM2		64388	TRUE	0.07	0.131	0.269	0.037672
5599-88	PCYXL	PCYXL	Prenylcysteine oxidase-like	Q8NBM8	PCYOX1L		78991	TRUE	0.17	0.6228	0.853	0.039556
5601-2	PGRP-L	PGRP-L	N-acetylmuramoyl-L-alanine amidase	Q96PD5	PGLYRP2		11477	TRUE	0.1	0.0947	0.181	0.056741
5602-62	RNS10	RNS10	Inactive ribonuclease-like protein 10	Q5GAN6	RNASE1		33887	TRUE	0.1	0.1318	0.31	0.062746
5605-77	MFNG	MFNG	Beta-1,3-N-acetylglucosaminyltransferase manic fringe	O00587	MFNG		4242	TRUE	0.13	0.1295	0.352	0.095219
5611-56	D108B	D108B	Beta-defensin 108B	Q8NET1	DEFB108	B	24591	TRUE	0.07	0.137	0.584	0.095468
5612-16	HINT2	HINT2	Histidine triad nucleotide-binding protein 2, mitochondrial	Q9BX68	HINT2		84681	TRUE	0.08	0.1262	0.352	0.04425
5614-44	CRH	CRH	Corticoliberin	P06850	CRH		1392	TRUE	0.08	0.1003	0.163	0.056526
5617-41	NPFF	NPFF	Pro-FMRFamide-related neuropeptide FF	O15130	NPFF		8620	TRUE	0.12	0.1326	0.189	0.05584

5618-50	FAM3B	FAM3B	Protein FAM3B Peptidyl-glycine alpha-amidating monooxygenase	P58499	FAM3B	54097	TRUE	0.08	0.1002	0.253	0.053636
5620-13	AMD	AMD		P19021	PAM	5066	TRUE	0.1	0.1128	0.2	0.075144
5623-11	CLM1	CLM1	CMRF35-like molecule 1	Q8TDQ1	CD300LF 2	14672	TRUE	0.09	0.1059	0.173	0.064889
5624-66	FOLR3	FOLR3	Folate receptor gamma	P41439	FOLR3	2352	TRUE	0.09	0.1234	0.528	0.047136
5627-53	GON1	GON1	Progonadoliberin-1	P01148	GNRH1	2796	TRUE	0.17	0.1371	0.286	0.077568
5628-21	SEM3G	SEM3G	Semaphorin-3G	Q9NS98	SEMA3G	56920	TRUE	0.08	0.1285	0.169	0.051175
5630-48	CM35H	CM35H	CMRF35-like molecule 8	Q9UGN4	CD300A	11314	TRUE	0.14	0.4193	0.398	0.062002
5631-83	MOTI	MOTI	Promotilin	P12872	MLN	4295	TRUE	0.09	0.1109	0.61	0.054457
5632-6	CRAC1	CRAC1	Cartilage acidic protein 1 Leukocyte immunoglobulin-like receptor subfamily B member 2	Q9NQ79	CRTAC1	55118	TRUE	0.08	0.1428	0.276	0.034975
5633-65	ILT-4	ILT-4		Q8N423	LILRB2		TRUE	0.1	0.1813	0.266	0.056343
5634-39	OFUT1	OFUT1	GDP-fucose protein O-fucosyltransferase 1 Triggering receptor expressed on myeloid cells 2	Q9H488	POFUT1	23509	TRUE	0.05	0.1302	0.303	0.041821
5635-66	TREM2	TREM2		Q9NZC2	TREM2	54209	TRUE	0.09	0.0775	0.481	0.033632
5636-10	MFAP4	MFAP4	Microfibril-associated glycoprotein 4	P55083	MFAP4	4239	TRUE	0.12	0.1162	0.388	0.025859
5637-81	NTNG1	NTNG1	Netrin-G1 Epididymal-specific lipocalin-8	Q9Y2I2	NTNG1	22854 13830	TRUE	0.07	0.2232	0.179	0.047514
5643-2	LCN8	LCN8		Q6JVE9	LCN8	7	TRUE	0.08	0.0681	0.463	0.056959
5644-60	RNAS4	RNAS4	Ribonuclease 4 Protein disulfide- isomerase A6	P34096	RNASE4	6038	TRUE	0.12	0.1817	0.168	0.04052
5650-9	PDIA6	PDIA6		Q15084	PDIA6	10130	TRUE	0.18	1.3919	0.919	0.106577
5654-70	TMX3	TMX3	Protein disulfide- isomerase TMX3	Q96JJ7	TMX3	54495	TRUE	0.08	0.431	0.336	0.077852
5657-28	SIA4A	SIA4A	CMP-N-acetylneuramate- beta-galactosamide-alpha- 2,3-sialyltransferase 1 coagulat ion	Q11201	ST3GAL1	6482	TRUE	0.07	0.1297	0.474	0.039596
5658-64	coagulat ion factor XIII B	factor XIII B	Coagulation factor XIII B chain	P05160	F13B	2165	TRUE	0.08	0.1112	0.163	0.058038
5659-11	TRH	TRH	Pro-Thyrotropin-releasing hormone	P20396	TRH	7200	TRUE	0.1	0.0893	0.332	0.057725

5661-15	IL-18	IL-18	Interleukin-18	Q14116	IL18	3606	TRUE	0.49	0.429	0.493	0.063822
5666-64	IL-1 sRII	IL-1 sRII	Interleukin-1 receptor type 2	P27930	IL1R2	7850	TRUE	0.07	0.2066	0.303	0.070937
5668-49	AGR3	AGR3	Anterior gradient protein 3	Q8TD06	AGR3	15546 5	TRUE	0.1	0.1555	0.756	0.051166
5671-1	Chymotrypsin	Chymotrypsin	Chymotrypsinogen B	P17538	CTRB1	1504	TRUE	0.09	0.0613	0.486	0.064047
5675-6	Tenascin	Tenascin	Tenascin	P24821	TNC	3371	TRUE	0.1	0.0763	0.384	0.064026
5676-54	ASIP	ASIP	Agouti-signaling protein	P42127	ASIP	434	TRUE	0.19	0.1529	0.24	0.063349
5677-15	CB066	CB066	Uncharacterized protein C2orf66	Q6UXQ4	C2orf66	40102 7	TRUE	0.08	0.1021	0.188	0.070613
5680-54	OBP2B	OBP2B	Odorant-binding protein 2b	Q9NPH6	OBP2B	29989	TRUE	0.09	0.1036	0.83	0.043819
5682-13	VASN	VASN	Vasorin	Q6EMK4	VASN	11499 0	TRUE	0.18	0.2163	0.113	0.045189
5687-5	GLU2B	GLU2B	Glucosidase 2 subunit beta	P14314	PRKCSH	5589	TRUE	0.1	0.221	0.159	0.025503
5689-1	DB112	DB112	Beta-defensin 112	Q30KQ8	DEFB112		TRUE	0.1	0.125	1.802	0.10984
5691-2	CRLD2	CRLD2	Cysteine-rich secretory protein LCCL domain-containing 2	Q9H0B8	CRISPLD2	83716	TRUE	0.1	0.1442	0.542	0.138868
5693-6	REG1B	REG1B	Lithostathine-1-beta	P48304	REG1B	5968	TRUE	0.14	0.0708	1.837	0.057349
5694-57	SMOC1	SMOC1	SPARC-related modular calcium-binding protein 1 BPI fold-containing family	Q9H4F8	SMOC1	64093 14068	TRUE	0.11	0.1069	0.216	0.05193
5695-5	SPLC2	SPLC2	A member 2	Q96DR5	BPIFA2	3	TRUE	0.07	1.7815	0.808	0.034787
5698-60	Tenascin-X	Tenascin-X	Tenascin-X	P22105	TNXB	7148	TRUE	0.1	0.1128	0.277	0.080931
5699-19	CI061	CI061	Protein FAM189A2	Q15884	FAM189A2	FAM189 9413	TRUE	0.11	0.0746	0.296	0.060868
5701-81	Tetranectin	Tetranectin	Tetranectin	P05452	CLEC3B	7123	TRUE	0.07	0.0602	0.144	0.023142
5703-26	NOE1	NOE1	Noelin	Q99784	OLFM1	10439	TRUE	0.16	0.1164	1.05	0.095598
5707-55	ELK3	ELK3	ETS domain-containing protein Elk-3	P41970	ELK3	2004	TRUE	0.29	0.2591	0.459	0.041608
5708-1	LEAP2	LEAP2	Liver-expressed antimicrobial peptide 2	Q969E1	LEAP2	11684 2	TRUE	0.09	0.239	0.471	0.059567
5715-4	ABHEA	ABHEA	Protein ABHD14A	Q9BUJ0	ABHD14A	25864	TRUE	0.08	0.2555	0.337	0.161057
5717-2	CILP	CILP	Cartilage intermediate layer protein 1	O75339	CILP	8483	TRUE	0.09	0.1034	0.663	0.06305
5721-1	CD226	CD226	CD226 antigen	Q15762	CD226	10666	TRUE	0.07	0.2569	0.321	0.044509

5722-78	Prolylcarboxypeptidase	Prolylcarboxypeptidase	Lysosomal Pro-X carboxypeptidase	P42785	PRCP	5547	TRUE	0.27	0.7872	0.245	0.06386
5725-5726-49	OMD SG11A	OMD SG11A	Osteomodulin Sperm-associated antigen 11A	Q99983 Q6PDA7	OMD SPAG11 A	4958 10407	TRUE	0.11	0.1288	0.35	0.062353
5728-60	FCRL1	FCRL1	Fc receptor-like protein 1 Serine protease inhibitor	Q96LA6	FCRL1	0 40420	TRUE	0.08	0.1198	0.408	0.107457
5731-5734-13	ISK6 nectin-4	ISK6 nectin-4	Kazal-type 6 Nectin-4	Q6UWN8 Q96NY8	SPINK6 NECTIN4	3 81607	TRUE	0.14	0.2203	0.261	0.066364
5735-54	C1GLC	C1GLC	C1GALT1-specific chaperone 1 Trem-like transcript 2	Q96EU7	C1	29071	TRUE	0.09	0.1426	0.131	0.063724
5736-5737-61	TRML2 SEM4D	TRML2 SEM4D	protein Semaphorin-4D	Q5T2D2 Q92854	TREML2 SEMA4D	79865 10507	TRUE	0.07	0.0906	0.31	0.081457
5738-25	Tenascin	Tenascin	Tenascin	P24821	TNC	3371	TRUE	0.1	0.1355	0.308	0.093619
5740-17	ROBO1	ROBO1	Roundabout homolog 1	Q9Y6N7	ROBO1	6091	TRUE	0.12	0.0721	0.16	0.081899
5741-55	ECP	ECP	Eosinophil cationic protein	P12724	RNASE3	6037	TRUE	0.11	0.1001	0.977	0.0336
5742-14	PPA6	PPA6	Lysophosphatidic acid phosphatase type 6	Q9NPH0	ACP6	51205	TRUE	0.1	0.1382	0.287	0.051725
5744-12	CA056	CA056	Protein MENT	Q9BUN1	MENT	54964	TRUE	0.14	0.2322	0.287	0.058295
5745-64	PI15	PI15	Peptidase inhibitor 15	O43692	PI15	51050	TRUE	0.15	0.1453	0.22	0.181104
5746-37	EFNB1 Acid	EFNB1 Acid	Ephrin-B1	P98172	EFNB1	1947	TRUE	0.12	0.2652	0.287	0.04741
5748-20	ceramidas e	ceramidase	Acid ceramidase	Q13510	ASAH1	427	TRUE	0.06	0.1061	0.45	0.04427
5749-53	COL	COL	Colipase	P04118	CLPS	1208	TRUE	0.07	0.126	0.51	0.072267
5756-66	PAPP2	PAPP2	Pappalysin-2	Q9BXP8	PAPPA2	60676 28436	TRUE	0.11	0.2402	0.137	0.065993
5758-49	kallikrein 9	kallikrein 9	Kallikrein-9	Q9UKQ9	KLK9	6	TRUE	0.1	0.0983	0.213	0.063512
5759-10	Ephrin-A3	Ephrin-A3	Ephrin-A3	P52797	EFNA3	1944	TRUE	0.1	0.1028	0.199	0.048948
5762-35	Sperm-associated antigen 11	Sperm-associated antigen 11	Sperm-associated antigen 11B	Q08648	SPAG11 B	10407 14059	TRUE	0.08	0.1117	0.584	0.051638
5763-67	HBD-4	HBD-4	Beta-defensin 104	Q8WTQ1	A	6	TRUE	0.12	0.087	0.621	0.057359

5792-8	AFP	AFP	alpha-Fetoprotein BH3-interacting domain	P02771	AFP	174	TRUE	0.33	0.1309	0.531	0.04077
5798-3	BID	BID	death agonist	P55957	BID	637	TRUE	0.06	0.158	0.467	0.034276
5801-72	b-NGF	b-NGF	beta-nerve growth factor	P01138	NGF	4803	TRUE	0.1	0.1445	0.327	0.077238
5803-24	C3d	C3d	Complement C3d fragment	P01024	C3	718	TRUE	0.29	0.2561	0.289	0.062499
5807-77	CD70	CD70	CD70 antigen	P32970	CD70	970	TRUE	0.12	0.1149	0.29	0.089273
5810-25	Cripto	Cripto	Teratocarcinoma-derived growth factor 1	P13385	TDGF1	6997	TRUE	0.12	0.1984	1.072	0.070467
5825-49	IFN-g R1	IFN-g R1	Interferon gamma receptor 1	P15260	IFNGR1	3459	TRUE	0.11	0.1249	0.219	0.051368
5837-49	LIF sR	LIF sR	Leukemia inhibitory factor receptor	P42702	LIFR	3977	TRUE	0.14	0.1298	0.151	0.060002
5843-60	NG36	NG36	Histone-lysine N- methyltransferase EHMT2	Q96KQ7	EHMT2	10919	TRUE	0.09	0.1776	0.439	0.065088
5846-24	Noggin	Noggin	Noggin	Q13253	NOG	9241	TRUE	0.05	0.1243	0.314	0.075758
5852-6	S100A12	S100A12	Protein S100-A12	P80511	S100A12	6283	TRUE	0.12	0.1466	0.321	0.07626
	14-3-3 protein	14-3-3 protein	14-3-3 protein zeta/delta								
5858-6	zeta/delta	zeta/delta	14-3-3 protein zeta/delta	P63104	YWHAZ	7534	TRUE	0.07	5.8246	0.861	0.054934
5864-10	aldolase A	aldolase A	Fructose-bisphosphate aldolase A	P04075	ALDOA	226	TRUE	0.1	0.1513	0.572	0.091708
5867-60	ARG1	ARG1	Arginase-1	P05089	ARG1	383	TRUE	0.11	0.1413	0.546	0.060874
5870-23	BAD	BAD	Bcl2-associated agonist of cell death	Q92934	BAD	572	TRUE	0.07	0.1296	0.628	0.101388
5879-51	Dynactin subunit 2	Dynactin subunit 2	Dynactin subunit 2	Q13561	DCTN2	10540	TRUE	0.18	0.2189	0.109	0.084994
5882-34	EF-1-beta	EF-1-beta	Elongation factor 1-beta	P24534	EEF1B2	1933	TRUE	0.17	0.1449	0.25	0.07112
5885-55	eIF-4H	eIF-4H	Eukaryotic translation initiation factor 4H	Q15056	EIF4H	7458	TRUE	0.12	0.1611	0.9	0.041211
5888-29	eIF-5A-1	eIF-5A-1	Eukaryotic translation initiation factor 5A-1	P63241	EIF5A	1984	TRUE	0.07	0.1147	0.62	0.080082
5903-91	HSP70 protein 8	HSP70 protein 8	Heat shock cognate 71 kDa protein	P11142	HSPA8	3312	TRUE	0.1	0.1803	0.238	0.068322
5909-51	Nucleoside diphosphate kinase A	Nucleoside diphosphate kinase A	Nucleoside diphosphate kinase A	P15531	NME1	4830	TRUE	0.15	0.103	1.676	0.044393

5918-5	PSME1	PSME1	Proteasome activator complex subunit 1	Q06323	PSME1	5720	TRUE	0.15	0.3395	0.306	0.037372
5927-4	WISP-3	WISP-3	WNT1-inducible-signaling pathway protein 3	O95389	CCN6	8838	TRUE	0.14	0.2344	0.26	0.081485
5930-54	Troponin I	Troponin I	Troponin I, cardiac muscle	P19429	TNNI3	7137	TRUE	0.12	0.1395	0.17	0.092902
5934-1	Ferritin	Ferritin	Ferritin	P02792 P02794	FTL FTH	2512 2495	TRUE	0.08	0.1634	1.55	0.053213
5939-42	TWEAK	TWEAK	Tumor necrosis factor ligand superfamily member 12	O43508	TNFSF12	40797	TRUE	0.14	0.1082	0.379	0.054557
5954-62	PTH	PTH	Parathyroid hormone	P01270	PTH	5741	TRUE	0.36	1.5928	1.278	0.067493
5957-30	Somatostatin-28	Somatostatin-28	Somatostatin-28	P61278	SST	6750	TRUE	0.17	0.2458	0.785	0.059201
5963-9	Dermokine	Dermokine	Dermokine	Q6E0U4	DMKN	93099	TRUE	0.13	0.1238	0.126	0.034176
5970-61	LECT2	LECT2	Leukocyte cell-derived chemotaxin-2	O14960	LECT2	3950	TRUE	0.21	0.1272	1.117	0.060054
5988-49	LIGHT	LIGHT	Tumor necrosis factor ligand superfamily member 14	O43557	TNFSF14	8740	TRUE	0.23	0.3012	1.154	0.090769
5992-50	CD8A	CD8A	T-cell surface glycoprotein CD8 alpha chain	P01732	CD8A	925	TRUE	0.1	0.12	0.27	0.062555
6019-12	C1T9A	C1T9A	Complement C1q and tumor necrosis factor-related protein 9A	P0C862	C1QTNF	33887	TRUE	0.23	0.1606	0.201	0.055848
6020-52	Urotensin-II	Urotensin-II	Urotensin-2	O95399	UTS2	10911	TRUE	0.21	0.1398	0.19	0.072246
6022-57	NELL2	NELL2	Protein kinase C-binding protein NELL2	Q99435	NELL2	4753	TRUE	0.22	0.2533	0.244	0.106886
6027-31	REL3	REL3	Relaxin-3	Q8WXF3	RLN3	11757	TRUE	0.08	0.0902	0.07	0.041454
6042-52	Tenascin	Tenascin	Tenascin	P24821	TNC	3371	TRUE	0.09	0.1349	0.198	0.012859
6049-64	PTPRS	PTPRS	Receptor-type tyrosine-protein phosphatase S	Q13332	PTPRS	5802	TRUE	0.12	0.237	0.165	0.063831
6054-6	NXPH3	NXPH3	Neurexophilin-3	O95157	NXPH3	11248	TRUE	0.08	0.2473	0.15	0.033365
6055-53	IFN-a/b R1	IFN-a/b R1	Interferon alpha/beta receptor 1	P17181	IFNAR1	3454	TRUE	0.16	0.1792	0.169	0.045596
6060-2	PIP	PIP	Prolactin-inducible protein Endoplasmic reticulum	P12273	PIP	5304	TRUE	0.14	0.1923	0.82	0.101354
6064-4	TXNDC4	TXNDC4	resident protein 44	Q9BS26	ERP44	23071	TRUE	0.22	0.2142	0.635	0.062011
6069-71	SUMF2	SUMF2	Sulfatase-modifying factor 2	Q8NBJ7	SUMF2	25870	TRUE	0.09	0.1867	0.238	0.075626

6075-61	Hexosaminidase B	Hexosaminidase B	Beta-hexosaminidase subunit beta	P07686	HEXB	3074	TRUE	0.08	0.1843	0.139	0.038921
6077-63	CECR1	CECR1	Adenosine deaminase 2-phosphoxylose	Q9NZK5	ADA2	51816	TRUE	0.07	0.0964	0.365	0.041888
6079-59	ACPL2	ACPL2	phosphatase 1	Q8TE99	PXYLP1	92370	TRUE	0.08	0.1369	0.395	0.059601
6081-52	PCOC2	PCOC2	Procollagen C-endopeptidase enhancer 2	Q9UKZ9	PCOLCE2	26577	TRUE	0.07	0.3416	0.223	0.042502
6103-70	FCRL5	FCRL5	Fc receptor-like protein 5	Q96RD9	FCRL5	83416	TRUE	0.12	0.1065	0.24	0.077192
6104-1	FGRL1	FGRL1	Fibroblast growth factor receptor-like 1	Q8N441	FGFRL1	53834	TRUE	0.17	0.2495	0.151	0.056315
6107-3	ELA1	ELA1	Chymotrypsin-like elastase family member 1	Q9UNI1	CELA1	1990	TRUE	0.06	0.1443	0.397	0.05992
6113-31	Endothelin 3	Endothelin 3	Endothelin-3	P14138	EDN3	1908	TRUE	0.25	0.286	0.226	0.054731
6117-4	NEC2	HSP 70	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A	3303	TRUE	0.11	0.1954	0.337	0.036033
6168-11	p53 R175H	p53 R175H	Cellular tumor antigen p53 R175H mutant	P04637	TP53	7157	TRUE	0.12	0.1489	0.136	0.073794
6172-7	PolyUbiquitin K63	PolyUbiquitin K63	PolyUbiquitin K63-linked	P0CG48	UBC	7316	TRUE	0.14	0.911	0.129	0.056729
6207-10	Prosaposin	Prosaposin	Prosaposin	P07602	PSAP	5660	TRUE	0.06	0.1452	0.178	0.053241
6209-2	ABP1	ABP1	Amiloride-sensitive amine oxidase [copper-containing]	P19801	AOC1	26	TRUE	0.06	0.1432	1.164	0.026243
6210-100	IFNA5	IFNA5	Interferon alpha-5	P01569	IFNA5	3442	TRUE	0.19	0.2426	0.173	0.059956
6213-10	CGB2	CGB2	Choriogonadotropin subunit beta variant 2	Q6NT52	CGB2	11433 6	TRUE	0.11	0.2062	0.583	0.074744
6214-84	IFNA8	IFNA8	Interferon alpha-8	P32881	IFNA8	3445	TRUE	0.18	0.1593	0.324	0.043411
6217-23	QSCN6	QSCN6	Sulfhydryl oxidase 1	O00391	QSOX1	5768	TRUE	0.1	0.1481	0.16	0.057971
6219-14	PDZ11	PDZ11	PDZ domain-containing protein 11	Q5EBL8	PDZD11	51248	TRUE	0.07	0.2024	0.176	0.059949
6221-1	ADPGK	ADPGK	ADP-dependent glucokinase	Q9BRR6	ADPGK	83440	TRUE	0.08	0.1105	0.141	0.156085
6223-5	GUC2B	GUC2B	Guanylate cyclase activator 2B	Q16661	GUCA2B	2981	TRUE	0.08	0.1348	0.634	0.049768
6225-3	Prostasin	Prostasin	Prostasin	Q16651	PRSS8	5652	TRUE	0.08	0.0945	0.125	0.080392
6227-1	10	10	Kallikrein-10	O43240	KLK10	5655	TRUE	0.1	0.2954	0.317	0.033983
6229-13	CSH	CSH	Chorionic somatomammotropin hormone	PODML3 PODML2	CSH2 H1	1442	TRUE	0.08	0.1855	1.279	0.03765

6232-54	B7-2	B7-2	T-lymphocyte activation antigen CD86	P42081	CD86	942	TRUE	0.07	0.2809	0.215	0.079892
6234-74	VITRN	VITRN	Vitrin	Q6UXI7	VIT	5212	TRUE	0.07	0.1328	0.233	0.049643
6236-51	CTHR1	CTHR1	Collagen triple helix repeat-containing protein 1	Q96CG8	CTHRC1	11590 8	TRUE	0.13	0.1022	1.051	0.034105
6245-4	Nectin-2	Nectin-2	Nectin-2	Q92692	NECTIN2	5819	TRUE	0.15	0.1233	0.138	0.055878
6247-9	SIRB1	SIRB1	Signal-regulatory protein beta-1	O00241	SIRPB1	10326	TRUE	0.07	0.1515	0.46	0.047142
6248-68	Fas, soluble	Fas, soluble	Tumor necrosis factor receptor superfamily member 6	P25445	FAS	355	TRUE	0.08	0.1193	0.157	0.08921
6252-62	Secretoglobin family 3A member 1	Secretoglobin family 3A member 1	Secretoglobin family 3A member 1	Q96QR1	SCGB3A1	92304	TRUE	0.09	0.1052	0.584	0.029975
6255-74	CPXM1	CPXM1	Probable carboxypeptidase X1	Q96SM3	CPXM1	56265	TRUE	0.08	0.1221	0.598	0.079008
6256-9	LY66C	LY66C	Lymphocyte antigen 6 complex locus protein G6c	O95867	LY6G6C	80740	TRUE	0.13	0.2739	0.389	0.031014
6259-60	Tenascin	Tenascin	Tenascin	P24821	TNC	3371	TRUE	0.21	0.2259	0.245	0.030533
6260-14	Tenascin	Tenascin	Tenascin	P24821	TNC	3371	TRUE	0.11	0.175	0.338	0.082444
6262-14	IL-17B R	IL-17B R	Interleukin-17 receptor B	Q9NRM6	IL17RB	55540	TRUE	0.22	0.5739	0.473	0.094979
6267-51	STMN4	STMN4	Stathmin-4	Q9H169	STMN4	81551	TRUE	0.27	0.4453	1.005	0.043831
6273-58	P3H1	P3H1	Prolyl 3-hydroxylase 1	Q32P28	P3H1	64175	TRUE	0.12	0.1475	0.108	0.07656
6274-15	WSCD2	WSCD2	WSC domain-containing protein 2	Q2TBF2	WSCD2	9671	TRUE	0.26	0.4525	0.387	0.103804
6276-16	Furin	HSP 70	Heat shock 70 kDa protein 1A	PODMV8	HSPA1A	3303	TRUE	0.28	0.442	0.223	0.057905
6280-11	PCDH8	PCDH8	Protocadherin-8	O95206	PCDH8	5100	TRUE	0.1	0.2037	0.349	0.036039
6281-51	SIA4B	SIA4B	CMP-N-acetylneuraminic acid-2,3-sialyltransferase 2	Q16842	ST3GAL2	6483 28501	TRUE	0.08	0.0892	0.346	0.04741
6284-7	F150B	F150B	ALK and LTK ligand 2	Q6UX46	ALKAL2	6	TRUE	0.1	0.1814	0.572	0.04036
6285-71	K0152	K0152	Malectin	Q14165	MLEC	9761	TRUE	0.16	0.3308	0.66	0.041583

6290-3	UTS2B	UTS2B	Urotensin-2B	Q765I0	UTS2B	3	TRUE	0.06	0.1431	0.191	0.091132
6296-36	OIT3	OIT3	Oncoprotein-induced transcript 3 protein	Q8WWZ8	OIT3	2	TRUE	0.07	0.1323	0.328	0.062723
6315-58	PLBL1	PLBL1	Phospholipase B-like 1	Q6P4A8	PLBD1	79887	TRUE	0.15	0.1692	0.181	0.056111
6321-65	PCDGA	PCDGA	Protocadherin gamma-A10	Q9Y5H3	PCDHGA10	56106	TRUE	0.09	0.1704	0.271	0.033018
6324-11	DNSL2	DNSL2	Deoxyribonuclease-1-like 2	Q92874	DNASE1L2	1775	TRUE	0.21	0.3396	0.361	0.085592
6342-10	Nephronectin	Nephronectin	Nephronectin	Q6UXI9	NPNT	25574	TRUE	0.1	0.1144	0.247	0.061577
6350-43	Apo C-II	Apo C-II	Apolipoprotein C-II	P02655	APOC2	344	TRUE	0.09	0.1122	0.156	0.108895
6351-55	CD79B	CD79B	B-cell antigen receptor complex-associated protein beta chain	P40259	CD79B	974	TRUE	0.23	0.2939	0.175	0.059039
6357-83	ELA3B	ELA3B	Chymotrypsin-like elastase family member 3B	P08861	CELA3B	23436	TRUE	0.15	0.1725	0.13	0.078838
6359-50	AGO61	AGO61	Protein O-linked-mannose beta-1,4-N-acetylglucosaminyltransferase 2	Q8NAT1	POMGN T2	84892	TRUE	0.11	0.1456	0.904	0.031811
6360-7	DB128	DB128	Beta-defensin 128	Q7Z7B8	DEFB128	9	TRUE	0.1	0.0942	0.106	0.034285
6361-49	PTPRR	PTPRR	Receptor-type tyrosine-protein phosphatase R	Q15256	PTPRR	5801	TRUE	0.1	0.1357	5.81	0.03097
6362-6	AUGN	AUGN	Augurin	Q9H1Z8	ECRG4	84417	TRUE	0.16	0.146	2.513	0.048115
6364-7	TPSNR	TPSNR	Tapasin-related protein	Q9BX59	TAPBPL	55080	TRUE	0.12	0.2203	0.954	0.061042
6367-66	fibromodulin	fibromodulin	fibromodulin	Q06828	FMOD	2331	TRUE	0.09	0.1047	0.287	0.055027
6369-82	DEAF1	DEAF1	Deformed epidermal autoregulatory factor 1 homolog	O75398	DEAF1	10522	TRUE	0.3	0.5974	0.178	0.06293
6371-50	ANGL7	ANGL7	Angiopietin-related protein 7	O43827	ANGPTL7	10218	TRUE	0.16	0.1614	0.143	0.047031
6372-7	YBOX2	YBOX2	Y-box-binding protein 2	Q9Y2T7	YBX2	51087	TRUE	0.11	0.1459	0.169	0.040572
6373-54	DLK1	DLK1	Protein delta homolog 1	P80370	DLK1	8788	TRUE	0.1	0.1694	0.428	0.026782
6375-75	XXLT1	XXLT1	Xyloside xylosyltransferase 1	Q8NBI6	XXYLT1	15200	TRUE	0.09	0.1201	0.165	0.054075
6377-54	LYZL2	LYZL2	Lysozyme-like protein 2	Q7Z4W2	LYZL2	11918	TRUE	0.09	0.1836	1.581	0.071169
6378-2	CEI	CEI	Protein CEI	Q86SI9	C5orf38	1	TRUE	0.22	0.6309	0.324	0.084034
6379-62	ATL2	ATL2	ADAMTS-like protein 2	Q86TH1	ADAMTS L2	9719	TRUE	0.1	0.1068	0.271	0.044438

6380-23	ICT1	ICT1	Peptidyl-tRNA hydrolase ICT1, mitochondrial	Q14197	MRPL58	3396	TRUE	0.1	0.2158	0.387	0.039909
6382-17	MANBA	MANBA	Beta-mannosidase	O00462	MANBA	4126	TRUE	0.07	0.1028	0.176	0.033527
6383-90	TLL1	TLL1	Tolloid-like protein 1	O43897	TLL1	7092	TRUE	0.07	0.2921	0.205	0.046969
6384-19	WFDC3	WFDC3	WAP four-disulfide core domain protein 3	Q8IUB2	WFDC3	6	TRUE	0.06	0.1296	0.653	0.038436
6385-63	VWA1	VWA1	von Willebrand factor A domain-containing protein 1	Q6PCB0	VWA1	64856	TRUE	0.08	0.1378	0.173	0.083831
6387-61	HD-5	HD-5	Defensin-5	Q01523	DEFA5	1670	TRUE	0.06	0.1237	0.496	0.022665
6388-21	CC126	CC126	Coiled-coil domain-containing protein 126	Q96EE4	CCDC12	6	TRUE	0.13	0.1024	0.232	0.043219
6390-18	NPS	NPS	Neuropeptide S	P0C0P6	NPS	7	TRUE	0.07	0.2273	0.129	0.035031
6391-52	LIRA3	LIRA3	Leukocyte immunoglobulin-like receptor subfamily A member 3	Q8N6C8	LILRA3	11026	TRUE	0.13	0.2106	0.467	0.060995
6392-7	WISP-2	WISP-2	WNT1-inducible-signaling pathway protein 2	O76076	CCN5	8839	TRUE	0.1	0.1024	0.278	0.068079
6393-63	Endoplasmin	Endoplasmin	Endoplasmin	P14625	HSP90B1	7184	TRUE	0.07	0.1305	0.336	0.10485
6398-12	LONM	LONM	Lon protease homolog, mitochondrial	P36776	LONP1	9361	TRUE	0.08	0.1862	1.074	0.134236
6402-8	PILRA isoform FDF03-deltaTM	PILRA isoform FDF03-deltaTM	Paired immunoglobulin-like type 2 receptor alpha isoform FDF03-deltaTM	Q9UKJ1	PILRA	29992	TRUE	0.13	0.2414	1.261	0.08164
6405-74	PSG2	PSG2	Pregnancy-specific beta-1-glycoprotein 2	P11465	PSG2	5670	TRUE	0.1	0.1546	0.168	0.131602
6406-3	NMES1	NMES1	Normal mucosa of esophagus-specific gene 1 protein	Q9C002	NMES1	84419	TRUE	0.16	0.4287	0.245	0.106069
6408-2	INHBC	INHBC	Inhibin beta C chain	P55103	INHBC	3626	TRUE	0.12	0.3354	0.228	0.074735
6409-57	GP116	GP116	Adhesion G protein-coupled receptor F5	Q8IZF2	ADGRF5	5	TRUE	0.09	0.2182	0.347	0.058651
6411-58	DB135	DB135	Beta-defensin 135	Q30KP9	DEFB135	9	TRUE	0.18	0.5541	0.234	0.09273
6414-8	OAF	OAF	Out at first protein homolog	Q86UD1	OAF	3	TRUE	0.08	0.2016	0.187	0.039921
6415-90	CPN2	CPN2	Carboxypeptidase N subunit 2	P22792	CPN2	1370	TRUE	0.08	0.1571	0.204	0.040594
6421-52	IFN16	IFN16	Interferon alpha-16	P05015	IFNA16	3449	TRUE	0.09	0.231	1.621	0.078682

6423-66	C1QL2	C1QL2	Complement C1q-like protein 2	Q7Z5L3	C1QL2	7	TRUE	0.2	0.3757	0.569	0.081507
			Probable inactive ribonuclease-like protein		RNASE1	44016					
6424-2	RNS13	RNS13	13	Q5GAN3	3	3	TRUE	0.08	0.2925	1.371	0.044089
6425-87	MMP19	MMP19	Matrix metalloproteinase-19	Q99542	MMP19	4327	TRUE	0.07	0.2368	0.29	0.045601
6431-68	PCYOX	PCYOX	Prenylcysteine oxidase 1	Q9UHG3	PCYOX1	51449	TRUE	0.08	0.2703	0.251	0.061068
6433-57	FA20A	FA20A	Pseudokinase FAM20A	Q96MK3	FAM20A	54757	TRUE	0.08	0.2299	0.177	0.090704
6434-18	Amine oxidase	Amine oxidase	Retina-specific copper amine oxidase	O75106	AOC2	314	TRUE	0.07	0.0906	0.429	0.049285
6439-59	CN093	CN093	Uncharacterized protein C14orf93	Q9H972	C14orf9	60686	TRUE	0.11	0.2506	0.142	0.089648
6440-31	MFAP5	MFAP5	Microfibrillar-associated protein 5	Q13361	MFAP5	8076	TRUE	0.08	0.1431	0.201	0.033155
6441-62	ATS6	ATS6	A disintegrin and metalloproteinase with thrombospondin motifs 6	Q9UKP5	ADAMTS6	11174	TRUE	0.09	0.1068	0.169	0.064232
6442-6	BAGE3	BAGE3	B melanoma antigen 3	Q86Y29	BAGE3	85318	TRUE	0.06	0.1593	0.132	0.022557
6444-15	PSG3	PSG3	Pregnancy-specific beta-1-glycoprotein 3	Q16557	PSG3	5671	TRUE	0.08	0.1518	0.45	0.063353
6447-73	PTX3	PTX3	Pentraxin-related protein PTX3	P26022	PTX3	5806	TRUE	0.12	0.0704	0.143	0.034883
6448-36	Sema E	Sema E	Semaphorin-3C	Q99985	SEMA3C	10512	TRUE	0.12	0.1662	1.215	0.056981
6451-64	ASPN	ASPN	Asporin	Q9BXN1	ASPN	54829	TRUE	0.04	0.125	0.189	0.085726
6453-70	LIRB4	LIRB4	Leukocyte immunoglobulin-like receptor subfamily B member 4	Q8NHJ6	LILRB4	11006	TRUE	0.27	0.639	0.148	0.078685
6454-38	Rho-GDIa	Rho-GDIa	Rho GDP-dissociation inhibitor 1	P52565	ARHGDI1	396	TRUE	0.16	0.1263	0.25	0.062171
6456-17	PSG6	PSG6	Pregnancy-specific beta-1-glycoprotein 6	Q00889	PSG6	5675	TRUE	0.08	0.0911	0.096	0.064294
6457-50	PCDG1	PCDG1	Protocadherin gamma-A1	Q9Y5H4	PCDHGA1	56114	TRUE	0.07	0.1227	0.84	0.067417
6461-54	Apo C-III	Apo C-III	Apolipoprotein C-III	P02656	APOC3	345	TRUE	0.21	0.2688	0.914	0.075079
6462-12	TIMP-4	TIMP-4	Metalloproteinase inhibitor 4	Q99727	TIMP4	7079	TRUE	0.12	0.1477	0.383	0.073662
6463-59	OX26	OX26	Orexigenic neuropeptide QRFP	P83859	QRFP	34714	TRUE	0.14	0.183	0.116	0.042626
6464-40	PVRIG	PVRIG	Transmembrane protein PVRIG	Q6DKI7	PVRIG	79037	TRUE	0.1	0.1945	0.094	0.063144
6467-65	KTEL1	KTEL1	Protein O-glucosyltransferase 1	Q8NBL1	POGLUT1	56983	TRUE	0.1	0.0781	0.868	0.033327

6468-37	TKN4	TKN4	Tachykinin-4	Q86UU9	TAC4	1	TRUE	0.22	0.2073	0.125	0.073528
6469-62	LY66D	LY66D	Lymphocyte antigen 6 complex locus protein G6d	O95868	LY6G6D	58530	TRUE	0.14	0.2514	0.451	0.050757
6470-19	fibulin 1	fibulin 1	Fibulin-1	P23142	FBLN1	2192	TRUE	0.1	0.1291	0.23	0.068239
6471-53	FHR4	FHR4	Complement factor H-related protein 4	Q92496	CFHR4	10877	TRUE	0.12	0.1504	0.665	0.063752
6472-40	GP100	GP100	Melanocyte protein PMEL	P40967	PMEL	6490 40266	TRUE	0.08	0.0861	0.389	0.047516
6478-2	IGLO5	IGLO5	IgLON family member 5	A6NGN9	IGLON5	5	TRUE	0.08	0.0963	0.302	0.02061
6480-1	CANT1	CANT1	Soluble calcium-activated nucleotidase 1	Q8WVQ1	CANT1	3	TRUE	0.1	0.1289	0.446	0.075595
6485-59	IGLL1	IGLL1	Immunoglobulin lambda-like polypeptide 1	P15814	IGLL1	3543	TRUE	0.1	0.1155	0.638	0.048274
6491-59	kallikrein 15	kallikrein 15	Kallikrein-15	Q9H2R5	KLK15	55554	TRUE	0.14	0.1356	5.925	0.160468
6493-9	CBPZ	CBPZ	Carboxypeptidase Z	Q66K79	CPZ	8532	TRUE	0.08	0.2115	0.206	0.061035
6494-60	sperm acrosome associate d 5	sperm acrosome associate d 5	Sperm acrosome-associated protein 5	Q96QH8	SPACA5	2	TRUE	0.09	0.0946	0.624	0.072731
6496-60	DLK1	DLK1:EC D	Protein delta homolog 1:Extracellular domain	P80370	DLK1	8788	TRUE	0.1	0.2403	0.418	0.036966
6497-10	XLRS1	XLRS1	Retinoschisin Cysteine-rich motor neuron 1	O15537	RS1	6247	TRUE	0.09	0.1761	0.334	0.019736
6502-50	CRIM1	CRIM1:EC CD	protein:Extracellular domain Transmembrane emp24 domain-containing protein 10	Q9NZV1	CRIM1	51232	TRUE	0.07	0.1083	0.228	0.073706
6506-54	TMEDA	TMEDA	Neural cell adhesion molecule 2	P49755	TMED10	10972	TRUE	0.14	0.3123	0.233	0.03604
6507-16	NCAM2	NCAM2	Secretoglobin family 1D member 2	O15394	NCAM2	4685	TRUE	0.26	0.5713	0.285	0.115
6508-68	SG1D2	SG1D2	member 2	O95969	SCGB1D2	10647	TRUE	0.14	0.5816	0.181	0.055884
6510-56	RN128	RN128:region 1	E3 ubiquitin-protein ligase RNF128:region 1	Q8TEB7	RNF128	79589	TRUE	0.17	0.1721	0.176	0.044995
6511-17	F19A4	F19A4	Protein FAM19A4	Q96LR4	TAF4A	7	TRUE	0.1	0.1489	0.358	0.054923
6512-68	KREM1	KREM1	Kremen protein 1	Q96MU8	KREMEN1	83999	TRUE	0.11	0.1947	0.242	0.093409
6518-85	ghrelin	ghrelin	Appetite-regulating hormone	Q9UBU3	GHRL	51738	TRUE	0.09	0.1078	0.799	0.064234

6520-87	MGP	MGP	Matrix Gla protein	P08493	MGP	4256	TRUE	0.13	0.4286	0.168	0.071778
6525-17	DUSP13	DUSP13	Dual specificity protein phosphatase 13 isoform A TLR4 interactor with leucine rich repeats:Extracellular	Q6B8I1	DUSP13	51207	TRUE	0.41	0.4519	0.342	0.089407
6527-1	TRIL	TRIL:ECD	domain	Q7L0X0	TRIL	9865	TRUE	0.17	0.1876	0.229	0.108804
6528-95	EXTL2	EXTL2	Exostosin-like 2	Q9UBQ6	EXTL2	2135	TRUE	0.22	0.262	0.223	0.057853
6536-54	LAML2	LAML2	Putative phospholipase B-like 2	Q8NHP8	PLBD2	3	TRUE	0.14	0.1328	0.105	0.082982
6538-90	K2013	K2013	Uncharacterized protein KIAA2013	Q8IYS2	KIAA201	3	TRUE	0.07	0.1686	0.503	0.093357
6543-182	PRRP	PRRP	Prolactin-releasing peptide	P81277	PRLH	51052	TRUE	0.11	0.1284	0.732	0.055306
6544-33	NELL1	NELL1	Protein kinase C-binding protein NELL1	Q92832	NELL1	4745	TRUE	0.08	0.2684	0.258	0.038802
6545-58	PRIO	PRIO	Major prion protein	P04156	PRNP	5621	TRUE	0.16	0.187	0.425	0.062834
6546-41	DKK2	DKK2	Dickkopf-related protein 2	Q9UBU2	DKK2	27123	TRUE	0.09	0.1901	0.199	0.046538
6549-60	VTM2L	VTM2L	V-set and transmembrane domain-containing protein 2-like protein Intercellular adhesion	Q96N03	VSTM2L	4	TRUE	0.14	0.1791	1.58	0.088227
6550-4	ICAM4	ICAM4	molecule 4	Q14773	ICAM4	3386	TRUE	0.08	0.0767	0.277	0.038519
6551-94	Vaspin	Vaspin	Serpin A12	Q8IW75	SERPINA	14526	TRUE	0.13	0.1882	2.329	0.039781
6553-68	CCD19	CCD19	Cilia- and flagella-associated protein 45 Ectonucleotide pyrophosphatase/phosphodiesterase family	Q9UL16	CFAP45	25790	TRUE	0.07	0.1681	0.423	0.033591
6556-5	ENPP5	ENPP5	member 5	Q9UJA9	ENPP5	59084	TRUE	0.11	0.197	0.282	0.032143
6557-50	LRC15	LRC15	Leucine-rich repeat-containing protein 15	Q8TF66	LRRC15	8	TRUE	0.08	0.1003	0.307	0.085702
6558-5	COL10	COL10	Collectin-10	Q9Y6Z7	COLEC10	10584	TRUE	0.13	0.133	0.137	0.055763
6561-77	HK102-like	HK102-like	Ig Kappa chain V-I region HK102-like	P01602	IGKV1-5		TRUE	0.09	0.2303	0.318	0.088414
6563-78	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A	3303	TRUE	0.2	0.2409	0.397	0.098532
6565-68	CDCP1	CDCP1	CUB domain-containing protein 1	Q9H5V8	CDCP1	64866	TRUE	0.05	0.062	0.503	0.071386

6568-18	HECA2	HECA2:EC	HEPACAM family member 2:Isoform 2, Extracellular domain Collagen alpha-1(XIII) chain	A8MVW5	HEPACA M2	25301 2	TRUE	0.11	0.1087	0.177	0.053258
6570-1	CODA1	CODA1		Q5TAT6	COL13A1	1 1305	TRUE	0.12	0.2287	0.2	0.104143
6572-10	LRRT4	LRRT4:EC	Leucine-rich repeat transmembrane neuronal protein 4:Isoform 2, Extracellular domain	Q86VH4	LRRTM4	80059	TRUE	0.06	0.09	0.491	0.052111
6574-11	FAIM3	FAIM3	Fas apoptotic inhibitory molecule 3	O60667	FCMR	9214	TRUE	0.08	0.2622	0.377	0.072588
6575-79	ATL1	ATL1	ADAMTS-like protein 1 Ecto-ADP-	Q8N6G6	ADAMTS L1	92949	TRUE	0.11	0.1992	0.255	0.043372
6576-1	ART4	ART4	ribosyltransferase 4	Q93070	ART4	420	TRUE	0.08	0.1733	0.548	0.075797
6577-64	LAMA4	LAMA4	Laminin subunit alpha-4	Q16363	LAMA4	3910	TRUE	0.09	0.2436	0.151	0.042805
6578-29	TNMD	TNMD	Tenomodulin	Q9H2S6	TNMD	64102	TRUE	0.12	0.0983	0.142	0.025759
6583-67	protein Z inhibitor	protein Z inhibitor	protein Protein Z-dependent protease inhibitor	Q9UK55	SERPINA10	51156	TRUE	0.08	0.1817	0.198	0.032309
6584-1	SRCH	SRCH	Sarcoplasmic reticulum histidine-rich calcium- binding protein	P23327	HRC	3270	TRUE	0.06	0.1556	1.189	0.0534
6586-19	ADA11	ADA11	Disintegrin and metalloproteinase domain- containing protein 11	O75078	ADAM11	4185	TRUE	0.19	0.2257	0.235	0.076848
6587-6	LRFN5	LRFN5	Leucine-rich repeat and fibronectin type-III domain- containing protein 5	Q96NI6	LRFN5	14558 1	TRUE	0.21	0.2245	0.216	0.043886
6590-54	Neuropilin-2	Neuropilin-2	Neuropilin-2	O60462	NRP2	8828	TRUE	0.07	0.1927	0.184	0.050349
6594-64	SMDC1	SMDC1	SAYSvFN domain- containing protein 1	Q9NPB0	SAYSvFN domain- containing protein 1	55776	TRUE	0.17	0.2506	0.718	0.083552
6597-24	TM157	TM157	Membrane protein FAM174A	Q8TBP5	FAM174A	34575 7	TRUE	0.14	0.2431	0.63	0.021347
6599-5	APCD1	APCD1	Protein APCDD1	Q8J025	APCDD1	5	TRUE	0.18	0.1545	0.121	0.060717
6600-70	RELL2	RELL2	RELT-like protein 2	Q8NC24	RELL2	28561 3	TRUE	0.14	0.2509	0.51	0.057048
6603-18	KALM	KALM	Anosmin-1	P23352	ANOS1	3730	TRUE	0.09	0.0956	0.266	0.0685
6604-59	CD031	CD031	Protein NDNF	Q8TB73	NDNF	79625	TRUE	0.13	0.2505	0.225	0.088663

6605-17	IGFALS	IGFALS	Insulin-like growth factor-binding protein complex acid labile subunit	P35858	IGFALS	3483	TRUE	0.11	0.2206	0.26	0.02804
6606-61	KISS1	KISS1	Metastasis-suppressor KiSS-1	Q15726	KISS1	3814	TRUE	0.1	0.2206	1.46	0.058784
6609-22	CN37	CN37	2',3'-cyclic-nucleotide 3'-phosphodiesterase	P09543	CNP	1267	TRUE	0.11	0.149	0.599	0.07156
6612-90	CP079	CP079	BRICHOS domain-containing protein 5	Q6PL45	BRICD5	0	TRUE	0.12	0.1537	0.506	0.069706
6617-12	FCRL6	FCRL6	Fc receptor-like protein 6 Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1	Q6DN72	FCRL6	3	TRUE	0.14	0.2195	0.167	0.055065
6620-82	LIGO1	LIGO1	Prorelixin H2	Q96FE5	LINGO1	84894	TRUE	0.11	0.2133	0.279	0.039349
6621-10	REL2	REL2	Apelin	P04090	RLN2	6019	TRUE	0.21	0.3146	0.234	0.068051
6622-90	APEL	APEL	Protein Wnt-11 ATPase family AAA domain-containing protein 1	Q9JULZ1	APLN	8862	TRUE	0.08	0.1863	0.309	0.044033
6624-94	WNT11	WNT11	Carbohydrate sulfotransferase 12	O96014	WNT11	7481	TRUE	0.3	0.0968	0.099	0.073983
6625-31	ATAD1	ATAD1	Beta-defensin 1	Q8NBU5	ATAD1	84896	TRUE	0.11	0.1466	0.383	0.050967
6626-81	CHSTC	CHSTC	Uroplakin-3b-like protein	Q9NRB3	CHST12	55501	TRUE	0.05	0.2251	0.967	0.044986
6629-3	HBD-1	HBD-1	PolyUbiquitin	P60022	DEFB1	1672	TRUE	0.07	3.0322	0.325	0.06411
6633-43	UPK3L	UPK3L	PolyUbiquitin K48-linked	B0FP48	UPK3BL1	4938	TRUE	0.21	0.2198	0.271	0.03965
6641-60	PolyUbiquitin K48	PolyUbiquitin K48	Periostin	P0CG47	UBB	7314	TRUE	0.14	5.8336	0.213	0.077038
6645-53	Periostin	Periostin	PolyUbiquitin K63-linked	Q15063	POSTN	10631	TRUE	0.05	0.1142	0.262	0.025387
6647-55	PolyUbiquitin K63	PolyUbiquitin K63	Netrin-1	P0CG48	UBC	7316	TRUE	0.06	0.1329	0.218	0.085968
6649-51	NET1	NET1	PolyUbiquitin K48-linked	O95631	NTN1	9423	TRUE	0.08	0.1613	0.542	0.043073
6651-74	PolyUbiquitin K48	PolyUbiquitin K48	Leukocyte surface antigen CD47	P0CG47	UBB	7314	TRUE	0.11	4.5242	0.224	0.056211
6653-58	CD47	CD47	Low-density lipoprotein receptor-related protein 11	Q08722	CD47	961	TRUE	0.08	0.1587	0.171	0.047168
6713-4	LRP11	LRP11		Q86VZ4	LRP11	84918	TRUE	0.1	0.196	0.206	0.048295

6895-1	TR	TR:CD	Transferrin receptor protein 1: Cytoplasmic domain	P02786	TFRC	7037	TRUE	0.12	0.2446	0.436	0.086548
6896-3	CA162	CA162	Transmembrane protein C1orf162	Q8NEQ5	C1orf16	12834	TRUE	0.27	0.2525	0.564	0.087245
6897-38	B3GA3	B3GA3	Galactosylgalactosylxylosyl protein 3-beta-glucuronosyltransferase 3	O94766	B3GAT3	26229	TRUE	0.09	0.1063	0.245	0.06976
6900-30	UB2J1	UB2J1	Ubiquitin-conjugating enzyme E2 J1	Q9Y385	UBE2J1	51465	TRUE	0.08	0.1675	2.574	0.044519
6904-14	LRRT2	LRRT2	Leucine-rich repeat transmembrane neuronal protein 2	O43300	LRRTM2	26045	TRUE	0.11	0.1921	0.227	0.07219
6909-40	MGAT2	MGAT2	Alpha-1,6-mannosylglycoprotein 2-beta-N-acetylglucosaminyltransferase	Q10469	MGAT2	4247	TRUE	0.11	0.1388	0.174	0.055658
6912-6	EFHA2	EFHA2	Calcium uptake protein 3, mitochondrial	Q86XE3	MICU3	28609	TRUE	0.11	0.1279	0.841	0.053468
6914-15	AMGO2	AMGO2	Amphoterin-induced protein 2	Q86SJ2	AMIGO2	34790	TRUE	0.11	0.1418	0.169	0.080898
6917-49	LRRC3	LRRC3	Leucine-rich repeat-containing protein 3	Q9BY71	LRRC3	2	TRUE	0.07	0.1326	0.445	0.031227
6918-183	CCKN	CCKN	Cholecystokinin	P06307	CCK	81543	TRUE	0.12	0.126	0.402	0.051126
6919-3	HBAZ	HBAZ	Hemoglobin subunit zeta	P02008	HBZ	3050	TRUE	0.16	0.2621	0.187	0.072741
6920-1	GFRAL	GFRAL	GDNF family receptor alpha-like	Q6UXV0	GFRAL	38940	TRUE	0.11	0.1232	0.192	0.039161
6923-1	PLOD2	PLOD2	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	O00469	PLOD2	0	TRUE	0.06	0.1379	0.419	0.077278
6925-26	SNX8	SNX8	Sorting nexin-8	Q9Y5X2	SNX8	5352	TRUE	0.13	0.1896	0.853	0.09896
6927-7	NDST1	NDST1	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1	P52848	NDST1	3340	TRUE	0.06	0.1206	0.133	0.024068
6930-95	SIA8F	SIA8F	Alpha-2,8-sialyltransferase 8F	P61647	ST8SIA6	33859	TRUE	0.11	0.1388	0.19	0.060555
6931-10	CTAG1A	CTAG1A	Cancer/testis antigen 1	P78358	CTAG1A	6	TRUE	0.06	0.4742	0.388	0.078011
6932-42	ITA5	ITA5	Integrin alpha-5	P08648	ITGA5	1485	TRUE	0.12	0.1423	0.119	0.056658
6933-20	RM34	RM34	39S ribosomal protein L34, mitochondrial	Q9BQ48	MRPL34	3678	TRUE	0.07	0.1168	0.19	0.055266
6935-123	BAMBI	BAMBI:CD	BMP and activin membrane-bound inhibitor homolog: Cytoplasmic domain	Q13145	BAMBI	64981	TRUE	0.24	0.254	0.203	0.041633

6938-21	PCDGC	PCDGC	Protocadherin gamma-A12	O60330	PCDHGA	12	26025	TRUE	0.08	0.1253	0.36	0.079782
6940-18	JPH1	JPH1	Junctophilin-1	Q9HDC5	JPH1	56704	28536	TRUE	0.08	0.1645	0.499	0.061662
6941-11	SUMF1	SUMF1	Sulfatase-modifying factor 1	Q8NBK3	SUMF1	2		TRUE	0.29	0.2214	0.333	0.12113
6947-4	SIA10	SIA10	Type 2 lactosamine alpha-2,3-sialyltransferase	Q9Y274	ST3GAL6	10402		TRUE	0.1	0.1876	0.247	0.0471
6948-82	FIG4	FIG4	Polyphosphoinositide phosphatase	Q92562	FIG4	9896		TRUE	0.12	0.1209	0.771	0.070133
6951-26	ASIC4	ASIC4	Acid-sensing ion channel 4	Q96FT7	ASIC4	55515		TRUE	0.08	0.1071	0.1	0.054912
6955-68	SNX1	SNX1	Sorting nexin-1	Q13596	SNX1	6642	38855	TRUE	0.4	0.4718	3.071	0.104696
6961-14	IGFL3	IGFL3	Insulin growth factor-like family member 3	Q6UXB1	IGFL3	5		TRUE	0.24	0.2913	0.236	0.039891
6962-5	DRB3	DRB3	HLA class II histocompatibility antigen, DR beta 3 chain	P79483	HLA-DRB3	3125		TRUE	0.21	0.4741	0.226	0.080357
6965-19	CNTP2	CNTP2	Contactin-associated protein-like 2	Q9UHC6	CNTNAP2	26047	11275	TRUE	0.08	0.273	0.261	0.055322
6966-144	STX1B	STX1B	Syntaxin-1B	P61266	STX1B	5		TRUE	0.08	0.1583	0.225	0.163192
6973-111	IGF-II	IGF-II:Pro-form	Insulin-like growth factor II:Isoform 3, Pro-form	P01344	IGF2	3481		TRUE	0.12	0.2437	0.215	0.060205
6975-52	SNAPN	SNAPN	SNARE-associated protein Snapin	O95295	SNAPIN	23557		TRUE	0.11	0.2719	0.273	0.058594
6984-6	IGSF8	IGSF8	Immunoglobulin superfamily member 8	Q969P0	IGSF8	93185		TRUE	0.06	0.1828	0.147	0.056257
6986-17	HS3SB	HS3SB	Heparan sulfate glucosamine 3-O-sulfotransferase 3B1	Q9Y662	HS3ST3B	1	9953	TRUE	0.11	0.163	0.512	0.083149
6990-44	SDF2L	SDF2L	Stromal cell-derived factor 2-like protein 1	Q9HCN8	SDF2L1	23753		TRUE	0.15	0.1701	0.229	0.111006
6991-24	FUT9	FUT9	Alpha-(1,3)-fucosyltransferase 9	Q9Y231	FUT9	10690		TRUE	0.22	0.2108	0.429	0.106967
6992-67	HBD 5'-	HBD 5'-	Hemoglobin subunit delta	P02042	HBD	3045		TRUE	0.17	0.1504	0.206	0.021564
6993-8	ase	Nucleotidase	5'-Nucleotidase	P21589	NT5E	4907		TRUE	0.07	0.1074	0.212	0.178148
6994-19	CC018	CC018	Uncharacterized protein C3orf18	Q9UK00	C3orf18	51161		TRUE	0.2	0.1582	0.171	0.043359
6997-32	RAB26	RAB26	Ras-related protein Rab-26	Q9ULW5	RAB26	25837		TRUE	0.07	0.1203	0.236	0.082049
6998-106	HAAH	HAAH	Aspartyl/asparaginyl beta-hydroxylase	Q12797	ASPH	444		TRUE	0.1	0.1354	0.154	0.094582

7002-1	MXRA8	MXRA8: CD	Matrix-remodeling-associated protein 8:Cytoplasmic domain Polypeptide N-acetylgalactosaminyltransferase 10	Q9BRK3	MXRA8	54587	TRUE	0.15	0.163	0.86	0.097849
7003-4	GLT10	GLT10	erase 10	Q86SR1	0	55568	TRUE	0.09	0.142	0.832	0.093116
7008-13	F176C	F176C:C D	Protein eva-1 homolog C:Cytoplasmic domain B-cell differentiation	P58658	EVA1C	59271	TRUE	0.08	0.1464	0.362	0.062072
7009-6	CD72	CD72	antigen CD72 B-cell differentiation	P21854	CD72	971	TRUE	0.08	0.0993	0.223	0.041993
7009-8	CD72	CD72	antigen CD72	P21854	CD72	971	TRUE	0.09	0.1271	0.383	0.049286
7012-35	VNN2	VNN2	Vascular non-inflammatory molecule 2 Leukocyte immunoglobulin-like receptor subfamily B member 5	O95498	VNN2	8875	TRUE	0.13	0.1432	0.371	0.041978
7015-8	LIRB5	LIRB5	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase	O75023	LIRB5	10990	TRUE	0.09	0.3703	0.453	0.071237
7016-12	GCNT1	GCNT1	ase	Q02742	GCNT1	2650	TRUE	0.09	0.1608	0.25	0.098291
7018-10	TSR3	TSR3	Ribosome biogenesis protein TSR3 homolog	Q9UJK0	TSR3	11593 9	TRUE	0.14	0.2176	0.216	0.031336
7019-13	Semaphorin-7A	Semaphorin-7A	Semaphorin-7A	O75326	SEMA7A	8482	TRUE	0.14	0.1651	0.184	0.020018
7020-13	CHST5	CHST5	Carbohydrate sulfotransferase 5	Q9GZS9	CHST5	23563	TRUE	0.08	0.1663	0.402	0.05459
7038-45	SIA8D	SIA8D	CMP-N-acetylneuraminatopoly-alpha-2,8-sialyltransferase	Q92187	ST8SIA4	7903	TRUE	0.18	0.2024	4.586	0.06394
7045-4	BNIP3	BNIP3	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3	Q12983	BNIP3	664	TRUE	0.06	0.1258	0.4	0.056098
7046-6	CT173	CT173	Uncharacterized protein C20orf173	Q96LM9	C20orf173	14087 3	TRUE	0.14	0.1188	0.653	0.102567
7048-4	CEA19	CEA19	Carcinoembryonic antigen-related cell adhesion molecule 19	Q7Z692	CEACAM19	56971	TRUE	0.22	0.2568	0.199	0.089743
7049-2	ADAM 23	ADAM 23	Disintegrin and metalloproteinase domain-containing protein 23	O75077	ADAM23	8745	TRUE	0.11	0.1541	0.217	0.039357
7050-5	NEGR1	NEGR1	Neuronal growth regulator 1	Q7Z3B1	NEGR1	25719 4	TRUE	0.12	0.0947	0.134	0.058604
7054-87	CLC2D	CLC2D	C-type lectin domain family 2 member D	Q9UHP7	CLEC2D	29121	TRUE	0.21	0.3056	0.19	0.064764

7056-16	4F2	4F2:ECD	4F2 cell-surface antigen heavy chain:Extracellular domain	P08195	SLC3A2	6520	TRUE	0.13	0.1526	2.625	0.062294
7059-14	LIRA6	LIRA6	Leukocyte immunoglobulin-like receptor subfamily A member 6	Q6PI73	LILRA6		TRUE	0.08	0.1148	0.634	0.043996
7060-2	ERO1A	ERO1A	ERO1-like protein alpha Vesicle-associated	Q96HE7	ERO1A	30001	TRUE	0.08	0.205	0.102	0.030888
7064-2	VAMP8	VAMP8	membrane protein 8	Q9BV40	VAMP8	8673	TRUE	0.1	0.1576	0.148	0.077133
7065-1	G6B	G6B:ECD	Protein G6b:Isoform A, Extracellular domain	O95866	MPIG6B	80739	TRUE	0.06	0.1944	0.879	0.076049
7069-9	TSNA1	TSNA1	t-SNARE domain-containing protein 1	Q96NA8	TSNARE	20306	TRUE	0.09	0.1298	0.099	0.042763
7071-23	MA1B1	MA1B1	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase	Q9UKM7	MAN1B1	11253	TRUE	0.15	0.1491	0.129	0.054202
7076-17	ECEL1	ECEL1	Endothelin-converting enzyme-like 1	O95672	ECEL1	9427	TRUE	0.1	0.2211	0.339	0.038209
7083-74	MATN4	MATN4	Matrilin-4	O95460	MATN4	8785	TRUE	0.08	0.2019	0.446	0.061337
7085-81	CDSN	CDSN	Corneodesmosin	Q15517	CDSN	1041	TRUE	0.07	0.1162	5.397	0.076595
7089-42	SYT11	SYT11	Synaptotagmin-11	Q9BT88	SYT11	23208	TRUE	0.07	0.1456	0.293	0.052716
7090-17	GALT1	GALT1	Polypeptide N-acetylgalactosaminyltransferase 1	Q10472	GALNT1	2589	TRUE	0.1	0.1524	0.252	0.067175
7092-7	PDILT	PDILT	Protein disulfide-isomerase-like protein of the testis	Q8N807	PDILT	20447	TRUE	0.09	0.1241	0.992	0.084921
7096-30	RMD1	RMD1	Regulator of microtubule dynamics protein 1	Q96DB5	RMDN1	51115	TRUE	0.18	0.1007	0.701	0.062746
7100-31	CD2	CD2	T-cell surface antigen CD2	P06729	CD2	914	TRUE	0.1	0.166	1.132	0.049092
7104-71	CABP7	CABP7	Calcium-binding protein 7	Q86V35	CABP7	16463	TRUE	0.13	0.1496	0.971	0.081866
7105-7	CABL2	CABL2	CDK5 and ABL1 enzyme substrate 2	Q9BTV7	CABLES2	81928	TRUE	0.14	0.4069	0.208	0.039347
7106-37	PLACL	PLACL	Oocyte-secreted protein 2	Q86WS3	OOSP2	21999	TRUE	0.15	0.2255	0.267	0.08213
7110-2	DJB11	DJB11	DnaJ homolog subfamily B member 11	Q9UBS4	DNAJB1	51726	TRUE	0.08	0.1536	0.472	0.049999
7113-1	GRPE1	GRPE1	GrpE protein homolog 1, mitochondrial	Q9HAV7	GRPEL1	80273	TRUE	0.08	0.1366	0.561	0.083252
7115-5	Semenogelin	Semenogelin	Semenogelin-1	P04279	SEMG1	6406	TRUE	0.05	0.1376	0.203	0.043046

7117-21	SPI2	SPI2	Serpin I2 Immunoglobulin superfamily DCC subclass member 3:Extracellular domain	O75830	SERPINI2	5276	TRUE	0.12	0.0848	0.113	0.087821
7118-24	IGDC3	IGDC3:CD		Q8IVU1	IGDCC3	9543	TRUE	0.16	0.0935	0.3	0.052912
7121-2 7123-25	SYT7 RM52	SYT7 RM52	Synaptotagmin-7 39S ribosomal protein L52, mitochondrial	O43581 Q86TS9	SYT7 MRPL52	9066 4	TRUE	0.09	0.1403	0.193	0.105335
7124-18	IL-21	IL-21	Interleukin-21	Q9HBE4	IL21	59067	TRUE	0.18	0.2497	0.555	0.126211
7127-3	Apo A-II	Apo A-II	Apolipoprotein A-II von Willebrand factor A domain-containing protein 2	P02652	APOA2	336 34070	TRUE	0.09	0.1007	0.181	0.036104
7128-9 7131-207	VWA2 Tenascin	VWA2 Tenascin		Q5GFL6 P24821	VWA2 TNC	6 3371	TRUE	0.05	0.182	0.381	0.050287
7131-8	CETP	CETP	Tenascin Cholesteryl ester transfer protein	P11597	CETP	1071	TRUE	0.07	0.1711	0.634	0.049848
7137-8 7139-14	MSRA SLIK4	MSRA SLIK4	Mitochondrial peptide methionine sulfoxide reductase SLIT and NTRK-like protein 4	Q9UJ68 Q8IW52	MSRA SLITRK4	4482 5	TRUE	0.06	0.4169	0.15	0.073825
7140-1	ELA2A	ELA2A	Chymotrypsin-like elastase family member 2A	P08217	CELA2A	63036	TRUE	0.13	0.172	0.435	0.0718
7141-21	MGT4B	MGT4B	Alpha-1,3-mannosyl- glycoprotein 4-beta-N- acetylglucosaminyltransfe rase B	Q9UQ53	MGAT4B	11282	TRUE	0.06	0.1347	0.985	0.054258
7142-5	CBPN	CBPN	Carboxypeptidase N catalytic chain	P15169	CPN1	1369	TRUE	0.12	0.2527	0.148	0.044455
7145-1	ITIH3	ITIH3	Inter-alpha-trypsin inhibitor heavy chain H3	Q06033	ITIH3	3699	TRUE	0.13	0.1667	0.28	0.088879
7146-5 7147-35	PDIA4 WFDC8	PDIA4 WFDC8	Protein disulfide- isomerase A4 WAP four-disulfide core domain protein 8	P13667 Q8IUA0	PDIA4 WFDC8	9601 90199	TRUE	0.08	0.1416	0.24	0.064796
7148-42 7154-92	F173A CF058	F173A CF058	Protein FAM173A	Q9BQD7	ANTKMT	65990 35299	TRUE	0.07	0.1031	4.062	0.123766
7156-2 7157-22	FUT10 PCDA4	FUT10 PCDA4	Protein LEG1 homolog Alpha-(1,3)- fucosyltransferase 10 Protocadherin alpha-4	Q6P5S2 Q6P4F1 Q9UN74	LEG1 FUT10 PCDHA4	9 84750 56144	TRUE	0.12	0.2293	0.677	0.078231
								0.11	0.171	0.252	0.06536
								0.19	0.5455	0.414	0.066882

7161-25	G6PE	G6PE	GDH/6PGL endoplasmic bifunctional protein	O95479	H6PD	9563	TRUE	0.07	0.104	0.332	0.055306
7167-102	VAPA	VAPA	Vesicle-associated associated protein A	Q9P0L0	VAPA	9218	TRUE	0.13	0.1861	1.231	0.076719
7173-141	T132C	T132C:E CD	Transmembrane protein 132C:Extracellular domain	Q8N3T6	TMEM1 32C	92293	TRUE	0.1	0.1883	0.239	0.056719
7175-4	PCDG2	PCDG2	Protocadherin gamma-A2	Q9Y5H1	2	56113	TRUE	0.13	0.1758	0.63	0.095357
7178-59	DEPP	DEPP	Protein DEPP	Q9NTK1	DEPP1	11067	TRUE	0.1	0.2402	0.381	0.067607
7179-69	NFASC	NFASC	Neurofascin	O94856	NFASC	23114	TRUE	0.09	0.0903	0.169	0.123305
7182-1	carboxylesterase, liver	carboxylesterase, liver	Liver carboxylesterase 1	P23141	CES1	1066	TRUE	0.14	0.134	0.278	0.089817
7183-102	TD26	TD26	Angiopoietin-like protein 8	Q6UXH0	8	55908	TRUE	0.08	0.1263	0.403	0.05129
7184-13	CEAM7	CEAM7	Carcinoembryonic antigen-related cell adhesion molecule 7	Q14002	CEACAM 7	1087	TRUE	0.08	0.081	1.675	0.017247
7185-29	GPV	GPV	Platelet glycoprotein V	P40197	GP5	2814	TRUE	0.09	0.1352	0.627	0.083924
7187-3	PPM1L	PPM1L	Protein phosphatase 1L	Q5SGD2	PPM1L	2	TRUE	0.09	0.1234	0.257	0.043671
7189-55	CHST3	CHST3	Carbohydrate sulfotransferase 3	Q7LGC8	CHST3	9469	TRUE	0.13	0.2351	0.28	0.085683
7190-50	EPHA4	EPHA4	Ephrin type-A receptor 4	P54764	EPHA4	2043	TRUE	0.09	0.1358	0.19	0.088371
7193-98	PCDC1	PCDC1	Protocadherin alpha-C1	Q9H158	1	56135	TRUE	0.07	0.1036	0.372	0.040626
7194-36	NPTN	NPTN	Neuroplastin	Q9Y639	NPTN	27020	TRUE	0.09	0.1475	0.215	0.058824
7195-119	EPHA7	EPHA7	Ephrin type-A receptor 7	Q15375	EPHA7	2045	TRUE	0.08	0.1246	0.106	0.052487
7196-21	IFN-w	IFN-w	Interferon omega-1	P05000	IFNW1	3467	TRUE	0.07	0.1151	0.173	0.072503
7198-197	FA20B	FA20B	Glycosaminoglycan xylosylkinase	O75063	FAM20B	9917	TRUE	0.1	0.1403	0.151	0.122463
7202-107	SEMA6C	SEMA6C	Semaphorin-6C	Q9H3T2	SEMA6C	10500	TRUE	0.08	0.1363	0.301	0.078829
7203-125	RFNG	RFNG	Beta-1,3-N-acetylglucosaminyltransferase radical fringe	Q9Y644	RFNG	5986	TRUE	0.12	0.2187	0.184	0.053837
7206-20	F16P1	F16P1	Fructose-1,6-bisphosphatase 1	P09467	FBP1	2203	TRUE	0.08	0.3688	1.122	0.130496
7207-4	RED	RED	Protein Red	Q13123	IK	3550	TRUE	0.07	0.1045	0.185	0.101057

7208-60	MGT4C	MGT4C	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C	Q9UBM8	MGAT4C	25834	TRUE	0.06	0.1432	0.328	0.091388
7211-2	RNase 1	RNase 1	Ribonuclease pancreatic	P07998	RNASE1	6035	TRUE	0.14	0.1609	0.554	0.04832
7215-18	NADH-cytochrome b5 reductase	NADH-cytochrome b5 reductase	NADH-cytochrome b5 reductase 3	P00387	CYB5R3	1727	TRUE	0.3	0.3723	0.933	0.084443
7218-87	AT1B2	AT1B2	Sodium/potassium-transporting ATPase subunit beta-2	P14415	ATP1B2	482	TRUE	0.73	0.1463	0.242	0.056274
7221-56	CKAP4	CKAP4	Cytoskeleton-associated protein 4	Q07065	CKAP4	10970	TRUE	0.15	0.1992	0.693	0.074934
7223-60	S100A13	S100A13	Protein S100-A13	Q99584	S100A13	6284	TRUE	0.11	0.1442	0.47	0.04604
7227-75	COCH	COCH	Cochlin	O43405	COCH	1690	TRUE	0.06	0.114	0.83	0.071501
7228-2	SIA7F	SIA7F	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	Q969X2	ST6GAL NAC6	30815	TRUE	0.12	0.1406	0.183	0.117232
7239-9	GST M1-1	GST M1-1	Glutathione S-transferase Mu 1	P09488	GSTM1	2944	TRUE	0.25	0.2574	0.746	0.06773
7241-12	CD3-zeta	CD3-zeta	T-cell surface glycoprotein CD3 zeta chain	P20963	CD247	919	TRUE	0.42	0.6431	0.21	0.082105
7242-14	CJ072	CJ072	V-set and transmembrane domain-containing protein 4	Q8IW00	VSTM4	19674	TRUE	0.18	0.1293	0.151	0.075408
7243-8	IFN-b	IFN-b	Interferon beta	P01574	IFNB1	3456	TRUE	0.1	0.2156	2.752	0.147816
7244-16	TM149	TM149	IGF-like family receptor 1 CUGBP Elav-like family member 2	Q9H665	IGFLR1	79713	TRUE	0.18	0.1041	0.252	0.123308
7245-2	CELF2	CELF2	member 2	O95319	CELF2	10659	TRUE	0.26	0.1212	1.032	0.071457
7249-307	B2L10	B2L10	Bcl-2-like protein 10	Q9HD36	BCL2L10	10017	TRUE	0.08	0.2265	0.159	0.091945
7249-37	B2L10	B2L10	Bcl-2-like protein 10	Q9HD36	BCL2L10	10017	TRUE	0.33	0.3546	0.366	0.045775
7251-64	C1QT3	C1QT3	Complement C1q tumor necrosis factor-related protein 3	Q9BXJ4	C1QTNF 3	11489	TRUE	0.13	0.2102	0.194	0.049072
7257-18	TIP39	TIP39	Tuberoinfundibular peptide of 39 residues	Q96A98	PTH2	11309	TRUE	0.13	0.1557	0.714	0.080422
7258-5	EMBP	EMBP	Bone marrow proteoglycan	P13727	PRG2 SERPINA	5553	TRUE	0.06	0.0707	0.445	0.067335
7266-4	SPA9	SPA9	Serpin A9	Q86WD7	9	7	TRUE	0.08	0.1536	0.132	0.112254

7268-12	IFNA4	IFNA4	Interferon alpha-4	P05014	IFNA4	3441	TRUE	0.1	0.1951	0.116	0.095408
7551-33	LRC32	LRC32	Leucine-rich repeat-containing protein 32	Q14392	LRRC32	2615	TRUE	0.07	0.1178	0.265	0.094561
7628-40	CREL1	CREL1	Cysteine-rich with EGF-like domain protein 1	Q96HD1	CRELD1	78987	TRUE	0.17	0.128	0.401	0.058973
7638-30	Lectin, mannose-binding 2	Lectin, mannose-binding 2	Vesicular integral-membrane protein VIP36	Q12907	LMAN2	10960	TRUE	0.14	0.3074	0.268	0.026741
7655-11	N-terminal pro-BNP	N-terminal pro-BNP	N-terminal pro-BNP	P16860	NPPB	4879	TRUE	0.05	0.1133	0.726	0.03096
7660-21	Tropomyosin 4	Tropomyosin 4	Tropomyosin alpha-4 chain	P67936	TPM4	7171	TRUE	0.17	0.2438	1.091	0.046356
7693-13	TRAIL R2	TRAIL R2	Tumor necrosis factor receptor superfamily member 10B	O14763	TNFRSF10B	8795	TRUE	0.1	0.081	0.166	0.081383
7695-106	SQSTM1	SQSTM1	Sequestosome-1	Q13501	SQSTM1	8878	TRUE	0.19	0.1873	0.255	0.082342
7696-3	NBR1	NBR1	Next to BRCA1 gene 1 protein	Q14596	NBR1	4077	TRUE	0.1	0.1339	0.188	0.049458
7713-102	FMR1	FMR1	Fragile X mental retardation protein 1	Q06787	FMR1	2332	TRUE	0.07	0.1275	0.925	0.048625
7717-95	CFTR	CFTR	Cystic fibrosis transmembrane conductance regulator	P13569	CFTR	1080	TRUE	0.1	0.0619	3.703	0.065225
7721-81	FMR1	FMR1	Fragile X mental retardation protein 1	Q06787	FMR1	2332	TRUE	0.21	0.1379	0.196	0.095585
7735-17	PEDF	PEDF	Pigment epithelium-derived factor	P36955	SERPINF1	5176	TRUE	0.13	0.1789	0.202	0.070766
7738-299	STX2	STX2	Syntaxin-2	P32856	STX2	2054	TRUE	0.19	0.1394	0.172	0.072385
7741-111	RTF1	RTF1	RNA polymerase-associated protein RTF1 homolog	Q92541	RTF1	23168	TRUE	0.07	0.2062	0.163	0.03363
7743-5	TIM50	TIM50	Mitochondrial import inner membrane translocase subunit TIM50	Q3ZCQ8	TIMM50	92609	TRUE	0.14	0.2136	0.376	0.088698
7744-10	LRP12	LRP12	Low-density lipoprotein receptor-related protein 12	Q9Y561	LRP12	29967	TRUE	0.11	0.1522	1.45	0.047985
7745-3	ZCD1	ZCD1	CDGSH iron-sulfur domain-containing protein 1	Q9NZ45	CISD1	55847	TRUE	0.12	0.1791	0.294	0.04549

7747-47	NDUBB	NDUBB	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochondrial	Q9NX14	NDUFB1	1	54539	TRUE	0.1	0.1386	0.262	0.062028
7748-11	NDUV2	NDUV2	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	P19404	NDUFV2	4729		TRUE	0.12	0.1949	0.239	0.073788
7751-121	SARP-1	SARP-1	Secreted frizzled-related protein 2	Q96HF1	SFRP2	6423		TRUE	0.17	0.1386	0.171	0.056458
7752-31	CLC4D	CLC4D	C-type lectin domain family 4 member D	Q8WXI8	CLEC4D	9	33833	TRUE	0.14	0.2294	0.196	0.072744
7753-21	HTAI2	HTAI2	Oxidoreductase HTATIP2	Q9BUP3	HTATIP2	10553		TRUE	0.08	0.1011	0.191	0.064745
7755-37	ITB5	ITB5	Integrin beta-5	P18084	ITGB5	3693		TRUE	0.13	0.2187	0.463	0.091631
7757-5	DQA2	DQA2	HLA class II histocompatibility antigen, DQ alpha 2 chain	P01906	HLA-DQA2	3118		TRUE	0.15	0.1375	0.352	0.029021
7758-217	RN215	RN215:CD	RING finger protein 215:Extracellular domain	Q9Y6U7	RNF215	2	20031	TRUE	0.11	0.1059	6.058	0.03927
7761-125	CHKB	CHKB	Choline/ethanolamine kinase	Q9Y259	CHKB	1120		TRUE	0.31	0.3042	3.855	0.061272
7763-25	Cadherin-11	Cadherin-11:CD	Cadherin-11:Cytoplasmic domain	P55287	CDH11	1009		TRUE	0.18	0.1033	0.206	0.049223
7765-15	ITM2A	ITM2A	Integral membrane protein 2A	O43736	ITM2A	9452		TRUE	0.16	0.2125	0.169	0.044298
7766-25	ZP4	ZP4	Zona pellucida sperm-binding protein 4	Q12836	ZP4	57829	38938	TRUE	0.13	0.1813	0.23	0.033012
7767-1	CF126	CF126	Colipase-like protein 2	Q6UWE3	CLPSL2	3		TRUE	0.16	0.2558	0.281	0.090354
7768-10	CBPM	CBPM	Carboxypeptidase M SH3 domain-binding protein 2	P14384	CPM	1368		TRUE	0.12	0.3044	0.225	0.069069
7769-29	3BP2	3BP2		P78314	SH3BP2	6452		TRUE	0.08	0.1512	0.364	0.063865
7770-25	NFU1	NFU1	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial	Q9UMS0	NFU1	27247		TRUE	0.06	0.0781	0.335	0.051284
7773-20	KI2L2	KI2L2	Killer cell immunoglobulin-like receptor 2DL2	P43627	KIR2DL2	3803		TRUE	0.17	0.0816	0.243	0.036318
7776-20	UNC5B	UNC5B	Netrin receptor UNC5B Caspase recruitment domain-containing protein 19	Q8IZJ1	UNC5B	9	21969	TRUE	0.08	0.0887	0.22	0.069823
7778-104	BINCA	BINCA		Q96LW7	CARD19	84270		TRUE	0.1	0.1198	0.102	0.051068
7779-86	CHSTB	CHSTB	Carbohydrate sulfotransferase 11	Q9NPF2	CHST11	50515		TRUE	0.16	0.1516	0.446	0.04939

7780-34	PACAP	PACAP	Marginal zone B- and B1-cell-specific protein	Q8WU39	MZB1	51237	TRUE	0.09	0.1609	0.501	0.081266
7784-1	Kininogen , HMW	Kininogen, HMW	Kininogen-1	P01042	KNG1	3827	TRUE	0.15	0.1187	0.15	0.069554
7785-1	Ephrin-B3	Ephrin-B3:CD	Ephrin-B3: Cytoplasmic domain	Q15768	EFNB3	1949	TRUE	0.13	0.3849	0.559	0.050236
7787-25	LIRA5	LIRA5	Leukocyte immunoglobulin-like receptor subfamily A member 5	A6NI73	LILRA5	4	TRUE	0.08	0.1178	0.227	0.050644
7788-1	CF6	CF6	ATP synthase-coupling factor 6, mitochondrial	P18859	ATP5PF	522	TRUE	0.09	0.302	0.383	0.035383
7795-14	NKG2E	NKG2E:CD	NKG2E: Cytoplasmic domain	Q07444	KLRC3	3823	TRUE	0.11	0.2074	0.415	0.044604
7796-10	CD79A	CD79A	B-cell antigen receptor complex-associated protein alpha chain	P11912	CD79A	973	TRUE	0.13	0.1973	0.314	0.039645
7799-3	KI2LA	KI2LA	Killer cell immunoglobulin-like receptor 2DL5A	Q8N109	KIR2DL5A	57292	TRUE	0.15	0.1447	0.342	0.069245
7805-52	GOS-28	GOS-28	Golgi SNAP receptor complex member 1	O95249	GOSR1	9527	TRUE	0.08	0.2017	0.203	0.047045
7806-33	B4GT7	B4GT7	Beta-1,4-galactosyltransferase 7	Q9UBV7	B4GALT7	11285	TRUE	0.07	0.0893	0.329	0.036089
7808-5	GLCE	GLCE	D-glucuronyl C5-epimerase	O94923	GLCE	26035	TRUE	0.09	0.1626	0.183	0.044597
7809-22	SPAT9	SPAT9	Spermatogenesis-associated protein 9	Q9BWW2	SPATA9	83890	TRUE	0.09	0.1904	2.669	0.049063
7810-20	C1QTNF5	C1QTNF5	Complement C1q tumor necrosis factor-related protein 5	Q9BXJ0	C1QTNF5	11490	TRUE	0.11	0.1395	0.168	0.038084
7818-101	GBP6	GBP6	Guanylate-binding protein 6	Q6ZN66	GBP6	1	TRUE	0.22	0.2204	0.47	0.051477
7822-11	HRSL2	HRSL2	HRAS-like suppressor 2	Q9NWW9	PLAAT2	54979	TRUE	0.09	0.1768	4.967	0.066715
7823-22	SIA7B	SIA7B	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	Q9UJ37	ST6GAL2	10610	TRUE	0.23	0.2481	0.216	0.056892
7825-7	ABD12	ABD12	Monoacylglycerol lipase ABHD12	Q8N2K0	ABHD12	26090	TRUE	0.13	0.1906	0.227	0.088078
7831-39	RBP	RBP	Retinol-binding protein 4	P02753	RBP4	5950	TRUE	0.11	0.1604	0.296	0.047431
7832-181	Protein disulfide isomerase A3	Protein disulfide isomerase A3	Protein disulfide-isomerase A3	P30101	PDIA3	2923	TRUE	0.09	0.5611	0.845	0.05785

7835-2	BNI3L	BNI3L	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3-like	O60238	BNIP3L	665	TRUE	0.06	0.0861	0.706	0.04908
7838-27	SMR3A	SMR3A	Submaxillary gland androgen-regulated protein 3A	Q99954	SMR3A	26952	TRUE	0.14	0.1106	0.56	0.049041
7839-99	F19A3	F19A3	Protein FAM19A3	Q7Z5A8	TAFA3	7	TRUE	0.08	0.0778	1.576	0.054074
7842-52	SERF1	SERF1	Small EDRK-rich factor 1	O75920	SERF1A	2	TRUE	0.11	0.1137	0.201	0.074608
7846-44	PSG11	PSG11	Pregnancy-specific beta-1-glycoprotein 11	Q9UQ72	PSG11	5680	TRUE	0.2	0.5182	0.269	0.096644
7850-1	COX42	COX42	Cytochrome c oxidase subunit 4 isoform 2, mitochondrial	Q96KJ9	COX4I2	84701	TRUE	0.23	0.2455	0.215	0.073412
7853-19	SCO1	SCO1	Protein SCO1 homolog, mitochondrial	O75880	SCO1	6341	TRUE	0.08	0.1347	0.123	0.06576
7856-51	F151A	F151A	Protein FAM151A	Q8WW52	FAM151A	33809	TRUE	0.07	0.2502	0.738	0.039493
7857-22	NEUT	NEUT	Neurotensin/neuromedin N	P30990	NTS	4922	TRUE	0.09	0.1612	1.467	0.044576
7860-9	HERC4	HERC4	Probable E3 ubiquitin-protein ligase HERC4	Q5GLZ8	HERC4	26091	TRUE	0.17	0.1096	0.132	0.126427
7861-9	ROR2	ROR2	Tyrosine-protein kinase transmembrane receptor ROR2	Q01974	ROR2	4920	TRUE	0.09	0.1002	0.384	0.045918
7863-50	PGRC1	PGRC1	Membrane-associated progesterone receptor component 1	O00264	PGRMC1	10857	TRUE	0.1	0.1434	0.532	0.060704
7864-3	SIGL8	SIGL8	Sialic acid-binding Ig-like lectin 8	Q9NYZ4	SIGLEC8	27181	TRUE	0.11	0.0938	0.356	0.061347
7866-11	DJC30	DJC30	DnaJ homolog subfamily C member 30	Q96LL9	DNAJC30	84277	TRUE	0.08	0.1044	0.207	0.079791
7867-154	SIA7A	SIA7A	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	Q9NSC7	ST6GAL1	55808	TRUE	0.22	0.2715	0.546	0.063086
7870-8	CNDP1	CNDP1	Beta-Ala-His dipeptidase	Q96KN2	CNDP1	84735	TRUE	0.06	0.1297	0.368	0.095512
7871-16	T132A	T132A	Transmembrane protein 132A	Q24JP5	TMEM132A	54972	TRUE	0.14	0.1273	0.256	0.057132
7875-86	PLEK	PLEK	Pleckstrin	P08567	PLEK	5341	TRUE	0.12	0.2836	0.962	0.066615
7879-12	Cytochrome P450 3A4	Cytochrome P450 3A4	Cytochrome P450 3A4	P08684	CYP3A4	1576	TRUE	0.11	0.2659	0.151	0.045614
7880-9	PSA1	PSA1	Proteasome subunit alpha type-1	P25786	PSMA1	5682	TRUE	0.18	0.2403	0.175	0.037929

7882-31	SLAF7	SLAF7	SLAM family member 7	Q9NQ25	SLAMF7	57823	TRUE	0.16	0.1531	0.156	0.023703
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		factor H-									
7885-17	H-related 5	related 5	Complement factor H-related protein 5	Q9BXR6	CFHR5	81494	TRUE	0.18	0.1528	0.315	0.066482
7887-57	COX5B	COX5B	Cytochrome c oxidase subunit 5B, mitochondrial	P10606	COX5B	1329	TRUE	0.08	0.171	7.458	0.051361
7888-58	CCD56	CCD56	Cytochrome c oxidase assembly factor 3 homolog, mitochondrial	Q9Y2R0	COA3	28958	TRUE	0.14	0.1176	0.117	0.034888
7892-132	K1467	K1467:N-term	Protein FAM234B:N-term	A2RU67	FAM234B	57613	TRUE	0.13	0.1865	0.713	0.055745
7898-29	MDM1	MDM1	Nuclear protein MDM1	Q8TC05	MDM1	56890	TRUE	0.07	0.0874	0.111	0.055688
7903-18	VAMP3	VAMP3	Vesicle-associated membrane protein 3	Q15836	VAMP3	9341	TRUE	0.11	0.1281	0.893	0.080457
7905-30	HPT	HPT	Haptoglobin isoform 2	P00738	HP	3240	TRUE	0.09	0.1159	0.404	0.057443
7909-37	SHBG	SHBG	Sex hormone-binding globulin	P04278	SHBG	6462	TRUE	0.12	0.1502	0.523	0.047939
7910-41	LRFN1	LRFN1	Leucine-rich repeat and fibronectin type III domain-containing protein 1	Q9P244	LRFN1	57622	TRUE	0.16	0.1773	0.194	0.053364
7915-31	APLP2	APLP2	Amyloid-like protein 2	Q06481	APLP2	334	TRUE	0.05	0.1498	0.132	0.051286
7917-17	CBPD	CBPD	Carboxypeptidase D	O75976	CPD	1362	TRUE	0.07	0.0993	0.138	0.055208
7918-114	Amylase, alpha 1A	Amylase, alpha 1A	Alpha-amylase 1	P04745	AMY1A	276	TRUE	0.1	0.5174	0.597	0.070943
7921-65	FJX1	FJX1	Four-jointed box protein 1	Q86VR8	FJX1	24147	TRUE	0.07	0.2774	0.28	0.031054
7922-5	Adrenomedullin	Adrenomedullin	Adrenomedullin	P35318	ADM	133	TRUE	0.19	0.3005	1.442	0.065226
7923-41	SEM4C	SEM4C	Semaphorin-4C	Q9C0C4	SEMA4C	54910	TRUE	0.13	0.0926	0.258	0.035903
7926-13	SPIT3	SPIT3	Kunitz-type protease inhibitor 3	P49223	SPINT3	10816	TRUE	0.07	0.1804	0.628	0.061854
7927-16	SIA7E	SIA7E	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	Q9BVH7	ST6GAL5	81849	TRUE	0.1	0.113	0.305	0.063078
7928-183	TPST1	TPST1	Protein-tyrosine sulfotransferase 1	O60507	TPST1	8460	TRUE	0.11	0.09	0.191	0.043508

7930-3	EXOS1	EXOS1	Exosome complex component CSL4	Q9Y3B2	EXOSC1	51013	TRUE	0.15	0.1179	0.467	0.044462
7932-23	SYT8	SYT8	Synaptotagmin-8	Q8NBV8	SYT8	90019	TRUE	0.06	0.1837	0.428	0.056951
7933-75	ADA22	ADA22	Disintegrin and metalloproteinase domain-containing protein 22	Q9P0K1	ADAM22	53616	TRUE	0.09	0.0941	1.557	0.025829
7934-11	NDRG4	NDRG4	Protein NDRG4	Q9ULP0	NDRG4	65009	TRUE	0.14	0.1698	0.239	0.05475
7935-26	LARGE	LARGE	Glycosyltransferase-like protein LARGE1	O95461	LARGE1	9215	TRUE	0.07	0.1239	0.458	0.049292
7945-10	Semaphorin-6A	Semaphorin-6A	Semaphorin-6A	Q9H2E6	SEMA6A	57556	TRUE	0.13	0.2561	0.221	0.101356
7948-129	GLTD2	GLTD2	Glycolipid transfer protein domain-containing protein 2	A6NH11	GLTPD2		TRUE	0.06	0.1378	0.222	0.049314
7953-20	SLAF1	SLAF1	Signaling lymphocytic activation molecule	Q13291	SLAMF1	6504	TRUE	0.11	0.1022	0.862	0.01922
7955-195	ITI heavy chain H1	ITI heavy chain H1	ITI Inter-alpha-trypsin inhibitor heavy chain H1	P19827	ITIH1	3697	TRUE	0.13	0.1467	0.159	0.067006
7956-11	MOS1	MOS1	MICOS complex subunit MIC10	Q5TGZ0	MICOS1	44057	TRUE	0.13	0.1203	1.242	0.048628
7957-2	SCG3	SCG3	Secretogranin-3	Q8WXD2	SCG3	29106	TRUE	0.07	0.3193	0.261	0.092731
7958-15	KIRR2	KIRR2	Kin of IRRE-like protein 2	Q6UWL6	KIRREL2	84063	TRUE	0.08	0.0667	0.179	0.024474
7959-34	CADH7	CADH7	Cadherin-7	Q9ULB5	CDH7	1005	TRUE	0.09	0.3158	0.332	0.055489
7962-11	ISK8	ISK8	Serine protease inhibitor Kazal-type 8	P0C7L1	SPINK8	4	TRUE	0.09	0.137	0.469	0.067985
7965-25	HBAT	HBAT	Hemoglobin subunit theta-1	P09105	HBQ1	3049	TRUE	0.11	0.1536	0.421	0.05077
7968-15	CRTAM	CRTAM	Cytotoxic and regulatory T-cell molecule	O95727	CRTAM	56253	TRUE	0.07	0.2153	2.07	0.078485
7969-163	WFD11	WFD11	Protein WFDC11	Q8NEX6	WFDC11	9	TRUE	0.18	0.0864	7.02	0.022543
7970-315	NAR3	NAR3	Ecto-ADP-ribosyltransferase 3	Q13508	ART3	419	TRUE	0.08	0.1834	0.316	0.035115
7980-72	B3GN2	B3GN2	N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase 2	Q9NY97	B3GNT2	10678	TRUE	0.16	0.1233	0.173	0.082616
7981-230	B3GT6	B3GT6	Beta-1,3-galactosyltransferase 6	Q96L58	B3GALT6	2	TRUE	0.15	0.1162	0.322	0.063401
7983-1	PCDGM	PCDGM	Protocadherin gamma-C5	Q9Y5F6	PCDHGC	5	TRUE	0.18	0.0918	0.215	0.061231

7986-98	NALD2	NALD2	N-acetylated-alpha-linked acidic dipeptidase 2	Q9Y3Q0	2	10003	TRUE	0.12	0.2187	0.452	0.076933
			Uncharacterized protein			C1orf22 40079					
7989-5	CA226	CA226	C1orf226	A1L170	6	3	TRUE	0.07	0.2022	0.817	0.035292
7993-23	ASTL	ASTL	Astacin-like metalloendopeptidase	Q6HA08	ASTL	5	TRUE	0.07	0.1121	0.827	0.059261
7994-41	ERO1B	ERO1B	ERO1-like protein beta Ectonucleoside triphosphate	Q86YB8	ERO1B	56605	TRUE	0.15	0.1307	1.308	0.041212
7999-23	CD39	CD39	diphosphohydrolase 1	P49961	ENTPD1	953	TRUE	0.1	0.1543	0.521	0.087736
8000-17	KI2LA	KI2LA	Killer cell immunoglobulin-like receptor 2DL5A	Q8N109	A	57292	TRUE	0.08	0.1912	1.745	0.078976
			Glyceraldehyde-3-phosphate dehydrogenase, testis-specific								
8004-15	G3PT	G3PT	Matrix-remodeling-associated protein 7	O14556	GAPDHS	26330	TRUE	0.15	0.1897	0.662	0.074117
						43992					
8005-1	MXRA7	MXRA7		P84157	MXRA7	1	TRUE	0.14	0.0932	0.182	0.057431
8006-12	DJB12	DJB12	DnaJ homolog subfamily B member 12	Q9NXW2	2	54788	TRUE	0.1	0.1043	0.17	0.112797
8007-19	Cathepsin B	Cathepsin B	Cathepsin B	P07858	CTSB	1508	TRUE	0.11	0.9847	0.451	0.068841
8009-121	SURF1	SURF1	Surfeit locus protein 1	Q15526	SURF1	6834	TRUE	0.18	0.4241	0.465	0.04729
8013-9	LMA2L	LMA2L	VIP36-like protein	Q9H0V9	LMAN2L	81562	TRUE	0.07	0.0917	0.725	0.021898
8014-359	MANEA	MANEA	Glycoprotein endo-alpha-1,2-mannosidase	Q5SRI9	MANEA	79694	TRUE	0.1	0.101	0.294	0.054443
8016-19	DNJC4	DNJC4:N-term	DnaJ homolog subfamily C member 4:N-term	Q9NNZ3	DNAJC4	3338	TRUE	0.18	0.2794	0.728	0.073416
8018-43	VSIG2	VSIG2	V-set and immunoglobulin domain-containing protein 2	Q96IQ7	VSIG2	23584	TRUE	0.12	0.215	1.592	0.071569
8019-73	STMN3	STMN3	Stathmin-3	Q9NZ72	STMN3	50861	TRUE	0.08	0.1849	0.636	0.06045
8021-59	RM14	RM14	39S ribosomal protein L14, mitochondrial	Q6P1L8	MRPL14	64928	TRUE	0.07	0.1641	2.159	0.055982
8024-64	TPST2	TPST2	Protein-tyrosine sulfotransferase 2	O60704	TPST2	8459	TRUE	0.06	0.0818	0.091	0.047523
8028-22	SPINK5	SPINK5	Serine protease inhibitor Kazal-type 5	Q9NQ38	SPINK5	11005	TRUE	0.08	0.1679	0.417	0.098323
8033-1	DJC18	DJC18	DnaJ homolog subfamily C member 18	Q9H819	DNAJC1	20205	TRUE	0.09	0.101	1.168	0.055215
			Uncharacterized protein			C1orf19					
8035-6	CA198	CA198	C1orf198	Q9H425	8	84886	TRUE	0.05	0.1442	0.636	0.054336

8037-53	DJB14	DJB14:L D	DnaJ homolog subfamily B member 14:Luminal domain	Q8TBM8	DNAJB1 4	79982	TRUE	0.19	0.1157	0.177	0.073035
8038-41	NSDHL	NSDHL	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	Q15738	NSDHL	50814	TRUE	0.09	0.1954	1.606	0.067148
8039-41	F177A	F177A	Protein FAM177A1 LEM domain-containing	Q8N128	FAM177 A1	28363 5	TRUE	0.1	0.183	0.266	0.024877
8040-9	LEMD1	LEMD1	protein 1	Q68G75	LEMD1	93273	TRUE	0.08	0.096	0.265	0.063662
8042-88	ISK9	ISK9	Serine protease inhibitor Kazal-type 9	Q5DT21	SPINK9	64339 4	TRUE	0.08	0.1283	0.389	0.039577
8043-153	COMP	COMP	Cartilage oligomeric matrix protein	P49747	COMP	1311	TRUE	0.09	0.1407	0.272	0.073468
8044-90	XG	XG	Glycoprotein Xg	P55808	XG	7499	TRUE	0.16	0.1897	0.787	0.103534
8045-3	KI3L3	KI3L3:C D	Killer cell immunoglobulin- like receptor 3DL3:Cytoplasmic domain	Q8N743	KIR3DL3		TRUE	0.06	0.136	1.8	0.056171
8048-9	FTMT	FTMT	Ferritin, mitochondrial	Q8N4E7	FTMT	94033	TRUE	0.12	0.1489	0.439	0.043497
8052-115	NLGN1	NLGN1	Neuroigin-1	Q8N2Q7	NLGN1	22871	TRUE	0.14	0.2843	0.282	0.068955
8053-16	DJB14	DJB14:C D	DnaJ homolog subfamily B member 14:Cytoplasmic domain	Q8TBM8	DNAJB1 4	79982	TRUE	0.09	0.2439	0.416	0.062209
8059-1	Tpo	Tpo	Thrombopoietin	P40225	THPO	7066	TRUE	0.12	0.2501	1.321	0.059703
8062-15	F176B	F176B	Protein eva-1 homolog B	Q9NVM1	EVA1B	55194	TRUE	0.12	0.23	0.544	0.074605
8066-38	SYT9	SYT9	Synaptotagmin-9	Q86SS6	SYT9	14342 5	TRUE	0.11	0.1632	0.346	0.10725
8067-21	KCNE3	KCNE3	Potassium voltage-gated channel subfamily E member 3	Q9Y6H6	KCNE3	10008	TRUE	0.12	0.1463	4.33	0.039333
8068-43	K1161	K1161:E CD	Uncharacterized family 31 glucosidase KIAA1161:Extracellular domain	Q6NSJ0	MYORG	57462	TRUE	0.11	0.1966	0.46	0.056864
8070-88	DLG4	DLG4	Disks large homolog 4	P78352	DLG4	1742	TRUE	0.21	0.2793	0.581	0.106959
8074-32	TMM70	TMM70	Transmembrane protein 70, mitochondrial	Q9BUB7	TMEM7 0	54968	TRUE	0.16	0.1726	1.167	0.067796
8076-4	SACA3	SACA3	Sperm acrosome membrane-associated protein 3	Q8IXA5	SPACA3	12491 2	TRUE	0.13	0.1766	1.526	0.085171
8080-24	PSMP	PSMP	Prostate-associated microseminoprotein	Q1L6U9	MSMP	69209 4	TRUE	0.11	0.0756	0.547	0.080241

8086-49	ITM2B	ITM2B	Integral membrane protein 2B	Q9Y287	ITM2B	9445	TRUE	0.11	0.6385	0.169	0.057157
8087-250	RNF13	RNF13	E3 ubiquitin-protein ligase RNF13	O43567	RNF13	11342	TRUE	0.11	0.0927	0.178	0.07
8088-56	CA210	CA210	Type III endosome membrane protein TEMP	Q8IVY1	C1orf21	14946	TRUE	0.12	0.206	0.677	0.117412
8089-173	NR4A1	NR4A1	Nuclear receptor subfamily 4 group A member 1	P22736	NR4A1	3164	TRUE	0.2	0.1007	2.45	0.08799
8091-16	MASP3	MASP3: Heavy	Mannan-binding lectin serine protease 1: Mannan-binding lectin serine protease 1 heavy chain	P48740	MASP1	5648	TRUE	0.1	0.1103	0.377	0.05969
8093-13	K1161	K1161:CD	Uncharacterized family 31 glucosidase KIAA1161: Cytoplasmic domain	Q6NSJ0	MYORG	57462	TRUE	0.17	0.1194	1.786	0.121215
8095-213	Cyclophilin F	Cyclophilin F	Peptidyl-prolyl cis-trans isomerase F, mitochondrial	P30405	PPIF	10105	TRUE	0.11	0.2748	1.089	0.044755
8097-77	LIPN	LIPN	Lipase member N	Q5VXI9	LIPN	8	TRUE	0.06	0.0729	0.46	0.045309
8098-37	THAS	THAS	Thromboxane-A synthase	P24557	TBXAS1	6916	TRUE	0.1	0.1679	2.315	0.125295
8099-42	SPON2	SPON2	Spondin-2	Q9BUD6	SPON2	10417	TRUE	0.09	0.2117	0.299	0.033971
8100-15	ADM2	ADM2	ADM2	Q7Z4H4	ADM2	79924	TRUE	0.12	0.1279	0.464	0.086092
8102-239	CA186	CA186	Uncharacterized protein C1orf186	Q6ZWK4	RHEX	44071	TRUE	0.1	0.176	0.253	0.107077
8106-15	SSRA	SSRA	Translocon-associated protein subunit alpha	P43307	SSR1	6745	TRUE	0.17	0.1784	0.298	0.06844
8220-15	CJ035	CJ035	Uncharacterized protein C10orf35	Q96D05	FAM241	21973	TRUE	0.13	0.4923	0.824	0.028757
8221-19	MIF	MIF	Macrophage migration inhibitory factor	P14174	MIF	8	TRUE	0.13	0.2887	0.735	0.066075
8222-49	CDHR3	CDHR3	Cadherin-related family member 3	Q6ZTQ4	CDHR3	22225	TRUE	0.12	0.1264	0.296	0.083777
8225-86	EPHB2	EPHB2	Ephrin type-B receptor 2 Glucoside	P29323	EPHB2	2048	TRUE	0.08	0.1112	0.156	0.031356
8229-1	GXLT1	GXLT1	xylosyltransferase 1	Q4G148	GXYLT1	28346	TRUE	0.09	0.1376	0.288	0.045166
8231-122	VEGF sR1	VEGF sR1	Vascular endothelial growth factor receptor 1	P17948	FLT1	4	TRUE	0.12	0.2292	0.371	0.066329
8232-90	JAML1	JAML1	Junctional adhesion molecule-like	Q86YT9	JAML	2321	TRUE	0.1	0.1935	0.457	0.091121
8235-48	SCG1	SCG1	Secretogranin-1	P05060	CHGB	12042	TRUE	0.13	0.1288	0.239	0.041313

8236-8	CR032	CR032	UPF0729 protein C18orf32	Q8TCD1	C18orf3	2	49766	1	TRUE	0.11	0.1861	1.152	0.122036
8239-223	Pseudocholinesterase	Pseudocholinesterase	Cholinesterase	P06276	BCHE	590	15479	TRUE	0.09	0.1354	0.231	0.033068	
8242-9	CLC2L	CLC2L	family 2 member L	P0C7M8	CLEC2L	0	TRUE	0.15	0.1587	0.662	0.068382		
8243-55	TATI	TATI	Serine protease inhibitor Kazal-type 1	P00995	SPINK1	6690	TRUE	0.09	0.1084	3.195	0.072209		
8244-16	FUT8	FUT8	Alpha-(1,6)-fucosyltransferase	Q9BYC5	FUT8	2530	TRUE	0.12	0.1282	0.393	0.050669		
8245-27	sICAM-5	sICAM-5	Intercellular adhesion molecule 5	Q9UMF0	ICAM5	7087	25573	TRUE	0.12	0.114	1.36	0.079312	
8246-9	PCSK9	PCSK9	Proprotein convertase subtilisin/kexin type 9	Q8NBP7	PCSK9	8	TRUE	0.22	0.4384	1.34	0.05029		
8248-222	SIG14	SIG14	Sialic acid-binding lectin 14	Q08ET2	SIGLEC1	10004	9587	TRUE	0.19	0.1069	0.428	0.049919	
8250-2	PTPRJ	PTPRJ	Receptor-type tyrosine-protein phosphatase eta	Q12913	PTPRJ	5795	14711	TRUE	0.1	0.131	0.193	0.073411	
8252-2	NOTUM	NOTUM	Palmitoleoyl-protein carboxylesterase NOTUM	Q6P988	NOTUM	1	TRUE	0.11	0.488	0.281	0.028164		
8255-34	MRVI1	MRVI1	Protein MRVI1	Q9Y6F6	IRAG1	10335	TRUE	0.09	0.2018	0.853	0.091117		
8257-71	NEU1	NEU1	Oxytocin-neurophysin 1	P01178	OXT	5020	TRUE	0.12	0.1506	0.302	0.083809		
8258-22	UXS1	UXS1	UDP-glucuronic acid decarboxylase 1	Q8NBZ7	UXS1	80146	TRUE	0.09	0.108	0.181	0.054199		
8262-20	Apo D	Apo D	Apolipoprotein D	P05090	APOD	347	49451	TRUE	0.2	0.2858	0.244	0.058901	
8263-64	CR056	CR056	TYMS opposite strand protein	Q8TAI1	TYMSOS	4	TRUE	0.13	0.2458	0.143	0.06063		
8264-43	DLL1	DLL1	Delta-like protein 1	O00548	DLL1	28514	TRUE	0.11	0.138	0.235	0.060616		
8265-225	LAP2B	LAP2B	Lamina-associated polypeptide 2, isoforms beta/gamma	P42167	TMPO	7112	TRUE	0.11	0.1706	0.654	0.069422		
8268-98	HS3SA	HS3SA	Heparan sulfate glucosamine 3-O-sulfotransferase 3A1	Q9Y663	HS3ST3A	1	9955	15364	TRUE	0.1	0.1563	0.347	0.074772
8269-327	ARSK	ARSK	Arylsulfatase K	Q6UWY0	ARSK	2	TRUE	0.08	0.1188	0.185	0.037563		
8272-22	DHB7	DHB7:C	3-keto-steroid reductase: Cytoplasmic domain	P56937	HSD17B	7	51478	13339	TRUE	0.06	0.1268	2.702	0.058124
8273-84	IL31R	IL31R	Interleukin-31 receptor subunit alpha	Q8NI17	IL31RA	6	TRUE	0.1	0.0958	0.128	0.066075		
8274-64	Syntaxin-7	Syntaxin-7	Syntaxin-7	O15400	STX7	8417	TRUE	0.08	0.1164	0.471	0.028035		

8275-31	PEAR1	PEAR1: ECD	Platelet endothelial aggregation receptor 1: Extracellular domain	Q5VY43	PEAR1	3	TRUE	0.09	0.0945	0.136	0.087843
8285-64	PACA	PACA	Pituitary adenylate cyclase-activating polypeptide	P18509	ADCYAP	1	TRUE	0.09	0.1664	1.642	0.051249
8287-17	CLM2	CLM2	CMRF35-like molecule 2	Q496F6	CD300E	0	TRUE	0.12	0.1393	1.274	0.029793
8288-27	Glycoprotein I	Glycoprotein I	Beta-2-glycoprotein 1	P02749	APOH	350	TRUE	0.08	0.3641	0.115	0.094784
8289-8	GPNMB	GPNMB: ECD	Transmembrane glycoprotein NMB: Extracellular domain	Q14956	GPNMB	10457	TRUE	0.14	0.191	0.189	0.534103
8295-16	NOE2	NOE2	Noelin-2	O95897	OLFM2	93145	TRUE	0.1	0.465	0.393	0.044594
8296-117	KDEL2	KDEL2	KDEL motif-containing protein 2	Q7Z4H8	POGLUT	14388	TRUE	0.1	0.184	0.519	0.035805
8297-8	DJC10	DJC10	DnaJ homolog subfamily C member 10	Q8IXB1	DNAJC1	0	TRUE	0.12	0.1386	0.309	0.01969
8298-8	CG045	CG045	Serine-rich single-pass membrane protein 1	Q8WWF	SSMEM1	3	TRUE	0.19	0.1702	0.822	0.105717
8299-66	LIRA4	LIRA4	Leukocyte immunoglobulin-like receptor subfamily A member 4	P59901	LILRA4	23547	TRUE	0.09	0.1227	0.482	0.060235
8303-102	MYG1	MYG1	UPF0160 protein MYG1, mitochondrial	Q9HB07	MYG1	60314	TRUE	0.12	0.1187	0.614	0.095741
8304-50	OPG	OPG	Tumor necrosis factor receptor superfamily member 11B	O00300	TNFRSF1	1B	TRUE	0.15	0.2027	0.305	0.045021
8305-18	SULF2	SULF2	Extracellular sulfatase Sulf-2	Q8IWU5	SULF2	55959	TRUE	0.11	0.3449	0.292	0.061595
8306-54	TMG1	TMG1: C	Transmembrane gamma-carboxyglutamic acid protein 1: Cytoplasmic domain	O14668	PRRG1	5638	TRUE	0.35	0.2133	0.247	0.047169
8307-47	CK068	CK068	UPF0696 protein C11orf68	Q9H3H3	C11orf6	8	TRUE	0.08	0.0828	0.804	0.043465
8312-139	Cytidylate kinase	Cytidylate kinase	UMP-CMP kinase	P30085	CMPK1	51727	TRUE	0.11	0.2722	0.16	0.058955
8314-71	GNS	GNS	N-acetylglucosamine-6-sulfatase	P15586	GNS	2799	TRUE	0.15	0.2333	0.273	0.048232
8315-5	DB119	DB119	Beta-defensin 119	Q8N690	DEFB119	2	TRUE	0.14	0.1894	0.199	0.039379
8318-13	SPRE1	SPRE1	Sprouty-related, EVH1 domain-containing protein 1	Q7Z699	SPRED1	2	TRUE	0.13	0.1516	0.361	0.08382

8323-163	TFF3	TFF3	Trefoil factor 3	Q07654	TFF3	7033	TRUE	0.18	0.1255	0.277	0.070921
8325-37	ADH4	ADH4	Alcohol dehydrogenase 4	P08319	ADH4	127	TRUE	0.07	0.1542	1.203	0.054095
8326-63	SIGIRR	SIGIRR	Single Ig IL-1-related receptor	Q6IA17	SIGIRR	59307	TRUE	0.07	0.11	0.271	0.033252
8327-26	DPEP2	DPEP2	Dipeptidase 2	Q9H4A9	DPEP2	64174	TRUE	0.11	0.1461	0.182	0.052447
8328-9	EKI1	EKI1	Ethanolamine kinase 1	Q9HBU6	ETNK1	55500	TRUE	0.11	0.1786	0.906	0.043021
8329-166	Cadherin-12	Cadherin-12:CD	Cadherin-12:Cytoplasmic domain	P55289	CDH12	1010	TRUE	0.07	0.1114	1.039	0.044737
8330-1	LRP11	LRP11	Low-density lipoprotein receptor-related protein 11	Q86VZ4	LRP11	84918	TRUE	0.07	0.2338	0.208	0.04376
8334-65	TCP11	TCP11	T-complex protein 11 homolog	Q8WWU5	TCP11	6954	TRUE	0.17	0.1733	0.243	0.038203
8336-267	GRM1C	GRM1C	GRAM domain-containing protein 1C	Q8IYS0	GRAMD1C	54762	TRUE	0.11	0.0983	0.242	0.028327
8337-65	PTPRU	PTPRU	Receptor-type tyrosine-protein phosphatase U	Q92729	PTPRU	10076	TRUE	0.11	0.2347	0.285	0.044255
8343-224	PAPOG	PAPOG	Poly(A) polymerase gamma	Q9BWT3	PAPOLG	64895	TRUE	0.12	0.1317	0.663	0.051969
8345-27	GPX7	GPX7	Glutathione peroxidase 7	Q96SL4	GPX7	2882	TRUE	0.07	0.1038	0.6	0.071342
8346-9	DPP2	DPP2	Dipeptidyl peptidase 2	Q9UHL4	DPP7	29952	TRUE	0.11	0.2142	0.748	0.078739
8348-4	EPHB2	EPHB2	Ephrin type-B receptor 2	P29323	EPHB2	2048	TRUE	0.16	0.2055	0.229	0.030252
8351-17	PRSS57	PRSS57	Serine protease 57	Q6UWY2	PRSS57	8	TRUE	0.21	0.1531	0.197	0.023093
8352-26	SIG12	SIG12:Ig-like C2-type 2	Sialic acid-binding Ig-like lectin 12:Ig-like C2-type 2 domain, Isoform short	Q96PQ1	SIGLEC12	89858	TRUE	0.19	0.5287	0.201	0.098371
8353-15	SCN2B	SCN2B	Sodium channel subunit beta-2	O60939	SCN2B	6327	TRUE	0.1	0.1645	0.7	0.082813
8355-80	ISM1	ISM1	Isthmin-1	B1AKI9	ISM1	14086	TRUE	0.12	0.2698	0.441	0.04772
8356-88	NEU1	NEU1	Oxytocin-neurophysin 1	P01178	OXT	2	TRUE	0.12	0.1059	0.605	0.026963
8357-43	ST4A1	ST4A1	Sulfotransferase 4A1	Q9BR01	SULT4A1	25830	TRUE	0.16	0.2125	0.392	0.094589
8359-149	DRAK2	DRAK2	Serine/threonine-protein kinase 17B	O94768	STK17B	9262	TRUE	0.09	0.1007	0.162	0.050811
8364-74	UST	UST	Uronyl 2-sulfotransferase	Q9Y2C2	UST	10090	TRUE	0.13	0.1842	0.608	0.069407
8366-19	CA115	CA115	Uncharacterized protein C1orf115	Q9H7X2	C1orf115	5	TRUE	0.17	0.1375	0.432	0.03955

8368-102	TNF sR-II	TNF sR-II	Tumor necrosis factor receptor superfamily member 1B	P20333	TNFRSF1B	7133	TRUE	0.11	0.1186	0.214	0.06169
8374-5	NGF R	NGF R	Tumor necrosis factor receptor superfamily member 16	P08138	NGFR	4804	TRUE	0.15	0.1889	1.025	0.052979
8376-25	LSHB	LSHB	Lutropin subunit beta	P01229	LHB	3972	TRUE	0.11	0.1547	0.885	0.061862
8378-3	LDOC1	LDOC1	Protein LDOC1	O95751	LDOC1	23641	TRUE	0.09	0.1444	0.385	0.08414
8380-244	DLK1	DLK1:CD	Protein delta homolog 1:Cytoplasmic domain	P80370	DLK1	8788	TRUE	0.11	0.1717	0.213	0.033957
8382-47	MAPK5	MAPK5	MAP kinase-activated protein kinase 5	Q8IW41	MAPKAPK5	8550	TRUE	0.09	0.2192	1.584	0.07806
8383-20	CK094	CK094	Uncharacterized protein C11orf94	C9JXX5	C11orf9	14367	TRUE	0.08	0.1276	0.128	0.214934
8385-248	HGFA	HGFA	Hepatocyte growth factor activator	Q04756	HGFAC	3083	TRUE	0.17	0.2534	0.343	0.083833
8386-11	PATE	PATE	Prostate and testis expressed protein 1	Q8WXA2	PATE1	16006	TRUE	0.14	0.2169	1.113	0.086511
8388-24	Spastin	Spastin:CD	Spastin:Cytoplasmic domain	Q9UBP0	SPAST	6683	TRUE	0.09	0.1553	0.391	0.080095
8389-8	CN16B	CN16B	Leucine-rich repeat-containing protein 74A	Q0VAA2	LRRC74A	14549	TRUE	0.18	0.1802	0.178	0.042348
8390-25	CX7A1	CX7A1	Cytochrome c oxidase subunit 7A1, mitochondrial	P24310	COX7A1	1346	TRUE	0.12	0.1371	0.43	0.057133
8391-12	DB115	DB115	Beta-defensin 115	Q30KQ5	DEFB115	24592	TRUE	0.1	0.1713	1.196	0.070467
8394-56	RNase 2	RNase 2	Non-secretory ribonuclease	P10153	RNASE2	6036	TRUE	0.08	0.1013	0.803	0.027131
8396-42	FAAH2	FAAH2	Fatty-acid amide hydrolase 2	Q6GMR7	FAAH2	15858	TRUE	0.1	0.1871	0.826	0.084174
8397-147	QSOX2	QSOX2	Sulfhydryl oxidase 2	Q6ZRP7	QSOX2	16971	TRUE	0.12	0.1175	0.296	0.100009
8398-277	RAR-responsive protein TIG1	RAR-responsive protein TIG1	Retinoic acid receptor responder protein 1	P49788	RARRES1	5918	TRUE	0.1	0.5845	0.588	0.102922
8400-74	Gastrin-releasing peptide	Gastrin-releasing peptide	Gastrin-releasing peptide	P07492	GRP	2922	TRUE	0.11	0.1438	0.577	0.069381
8403-18	Fatty acid synthase	Fatty acid synthase	Fatty acid synthase	P49327	FASN	2194	TRUE	0.09	0.1085	0.758	0.048104
8406-17	IGF-I	IGF-I	Insulin-like growth factor I	P05019	IGF1	3479	TRUE	0.26	0.1263	0.833	0.05158

8407-84	NOTC2	NOTC2	Neurogenic locus notch homolog protein 2	Q04721	NOTCH2	4853 34041	TRUE	0.11	0.1418	0.151	0.051234
8409-3	RSPO2	RSPO2	R-spondin-2	Q6UXX9	RSPO2	9	TRUE	0.13	0.0863	0.156	0.089623
8418-30	b-Catenin	b-Catenin	Catenin beta-1	P35222	CTNNB1	1499	TRUE	0.18	0.2038	0.239	0.085727
8424-269	b-Catenin	b-Catenin	Catenin beta-1	P35222	CTNNB1	1499	TRUE	0.22	0.1091	0.26	0.08586
8427-118	RSPO3	RSPO3	R-spondin-3	Q9BXY4	RSPO3	84870	TRUE	0.14	0.1739	1.139	0.094253
8428-102	NTRI	NTRI	Neurotrimin	Q9P121	NTM	50863	TRUE	0.1	0.2753	0.229	0.037159
8429-16	AXIN2	AXIN2	Axin-2	Q9Y2T1	AXIN2	8313	TRUE	0.08	0.1249	0.338	0.040153
8447-11	ghrelin	ghrelin	Appetite-regulating hormone	Q9UBU3	GHRL	51738	TRUE	0.08	0.112	2.082	0.075996
8458-111	a-Synuclein	a-Synuclein	Alpha-synuclein	P37840	SNCA	6622	TRUE	0.18	0.3692	0.491	0.058211
8458-16	a-Synuclein	a-Synuclein	Alpha-synuclein	P37840	SNCA	6622	TRUE	0.06	0.1127	0.675	0.067108
8459-10	BMP-6	BMP-6	Bone morphogenetic protein 6	P22004	BMP6	654	TRUE	0.14	0.156	0.198	0.062851
8463-2	SOD3	SOD3	Extracellular superoxide dismutase [Cu-Zn]	P08294	SOD3	6649	TRUE	0.19	0.2168	0.853	0.047026
8465-52	Cathepsin H	Cathepsin H	Cathepsin H	P09668	CTSH	1512	TRUE	0.13	0.0947	0.304	0.055865
8467-9	Activin AB	Activin AB	Inhibin beta B chain heterodimer	P09529 P08476	INHBB NHBA	3625 3624	TRUE	0.07	0.1421	0.474	0.042285
8468-19	PSA	PSA	Prostate-specific antigen	P07288	KLK3	354	TRUE	0.06	0.1089	3.143	0.056415
8469-41	IGFBP-2	IGFBP-2	Insulin-like growth factor-binding protein 2	P18065	IGFBP2	3485	TRUE	0.1	0.1273	0.681	0.045779
8474-6	ROR1	ROR1	Inactive tyrosine-protein kinase transmembrane receptor ROR1	Q01973	ROR1	4919	TRUE	0.1	0.2391	0.256	0.051029
8476-11	CgA	CgA	Chromogranin-A	P10645	CHGA	1113	TRUE	0.07	0.1493	0.285	0.046559
8479-4	MMP-10	MMP-10	Stromelysin-2	P09238	MMP10	4319	TRUE	0.05	0.1503	0.374	0.074644
8484-24	Leptin	Leptin	Leptin	P41159	LEP	3952	TRUE	0.09	0.2639	0.853	0.04595
8485-7	KEAP1	KEAP1	Kelch-like ECH-associated protein 1	Q14145	KEAP1	9817	TRUE	0.09	0.1439	0.276	0.054218

8488-33	gpIIBIIIa	gpIIBIIIa	Integrin alpha-IIb: beta-3 complex	P05106 P08514	ITGB3 IT GA2B	3690 3674	TRUE	0.14	0.2678	3.018	0.044083
8528-74	ISLR2	ISLR2	Immunoglobulin superfamily containing leucine-rich repeat protein 2	Q6UXK2	ISLR2	57611	TRUE	0.09	0.1543	0.312	0.042067
8529-1	TRAIL R2	h	Tumor necrosis factor receptor superfamily member 10B:Death domain	O14763	OB	8795	TRUE	0.09	0.1549	1.669	0.056721
8565-160	PLVAP	PLVAP	Plasmalemma vesicle-associated protein	Q9BX97	PLVAP	83483	TRUE	0.04	0.1547	2.671	0.056288
8587-21	ISK52	ISK52	Serine protease inhibitor Kazal-type 14	Q6IE38	SPINK14	7	TRUE	0.08	0.225	0.156	0.068982
8589-13	CDCP1	CDCP1	CUB domain-containing protein 1	Q9H5V8	CDCP1	64866	TRUE	0.15	0.2154	0.887	0.05197
8597-1	TMEM9	CD	TMEM9: Transmembrane protein 9: Cytoplasmic domain	Q9P0T7	TMEM9	25283 9	TRUE	0.1	0.1164	0.137	0.04819
8606-39	GPNMB	CD	Transmembrane glycoprotein NMB: Cytoplasmic domain	Q14956	GPNMB	10457	TRUE	0.07	0.1559	0.208	0.062032
8620-56	kallikrein 14	kallikrein 14	Kallikrein-14	Q9P0G3	KLK14	43847	TRUE	0.25	0.1516	0.337	0.049266
8631-13	ERMAP	ERMAP	Erythroid membrane-associated protein	Q96PL5	ERMAP	5	TRUE	0.15	0.1706	0.858	0.041116
8633-18	RN128	RN128: region 2	E3 ubiquitin-protein ligase RNF128: region 2	Q8TEB7	RNF128	79589	TRUE	0.13	0.2136	0.144	0.030651
8635-283	ZBPB1	ZBPB1	Zona pellucida-binding protein 1	Q9BS86	ZBPB	11055	TRUE	0.18	0.1371	0.144	0.030578
8645-257	PEX14	PEX14:C-term	Peroxisomal membrane protein PEX14:C-term	O75381	PEX14	5195	TRUE	0.21	0.1665	0.159	0.091499
8646-61	LRRT4	LRRT4:C D	Leucine-rich repeat transmembrane neuronal protein 4: Isoform 2, Cytoplasmic domain	Q86VH4	LRRTM4	80059	TRUE	0.15	0.249	0.548	0.08333
8653-132	DNJC4	DNJC4:C-term	DnaJ homolog subfamily C member 4: C-term	Q9NNZ3	DNAJC4	3338	TRUE	0.27	0.321	0.205	0.038677
8654-13	ADAM 10	ADAM 10:CD	Disintegrin and metalloproteinase domain-containing protein 10: Cytoplasmic domain	O14672	ADAM10	102	TRUE	0.1	0.088	0.169	0.051591
8660-33	OLFL3	OLFL3	Olfactomedin-like protein 3	Q9NRN5	OLFML3	56944	TRUE	0.13	0.1276	0.227	0.023301
8660-5	OLFL3	OLFL3	Olfactomedin-like protein 3	Q9NRN5	OLFML3	56944	TRUE	0.1	0.0788	0.195	0.064484

8664-36	PKDCC	PKDCC	Extracellular tyrosine-protein kinase PKDCC	Q504Y2	PKDCC	91461	TRUE	0.14	0.1649	0.132	0.049634
8671-378	TPPC5	TPPC5	Trafficking protein particle complex subunit 5	Q8IURO	TRAPPC5	126003	TRUE	0.09	0.0721	0.26	0.050195
8681-93	PGRC2	PGRC2	Membrane-associated progesterone receptor component 2:N-term, Isoform 2	O15173	PGRMC2	10424	TRUE	0.29	0.2978	0.302	0.117174
8686-342	HIKES	HIKES	Protein Hikeshi	Q53FT3	HIKESHI	51501	TRUE	0.08	0.1298	0.194	0.039018
8687-26	T106B	T106B	Transmembrane protein 106B	Q9NUM4	TMEM106B	54664	TRUE	0.09	0.1222	5.358	0.042976
8696-15	G3ST1	G3ST1	Galactosylceramide sulfotransferase	Q99999	GAL3ST1	9514	TRUE	0.27	0.3212	0.313	0.049216
8697-38	Glypican 1	Glypican 1	Glypican-1	P35052	GPC1	2817	TRUE	0.06	0.0896	0.165	0.036837
8700-325	GLT11	GLT11	Polypeptide N-acetylgalactosaminyltransferase 11	Q8NCW6	GALNT11	63917	TRUE	0.12	0.0666	0.117	0.055074
8702-42	OSCAR	OSCAR	Osteoclast-associated immunoglobulin-like receptor	Q8IYS5	OSCAR	126014	TRUE	0.07	0.0893	0.169	0.083955
8749-194	CD1D	CD1D	Antigen-presenting glycoprotein CD1d	P15813	CD1D	912	TRUE	0.08	0.0807	0.141	0.07577
8758-2	PCDA7	PCDA7	Protocadherin alpha-7	Q9UN72	PCDHA7	56141	TRUE	0.12	0.1383	1.021	0.058035
8759-29	a1,4-Galactosyl transferase	a1,4-Galactosyl transferase	Lactosylceramide 4-alpha-galactosyltransferase	Q9NPC4	A4GALT	53947	TRUE	0.17	0.0791	0.279	0.058975
8760-10	DCNL5	DCNL5	DCN1-like protein 5	Q9BTE7	DCUN1D5	84259	TRUE	0.19	0.2441	0.166	0.085723
8766-29	LIRA5	LIRA5	Leukocyte immunoglobulin-like receptor subfamily A member 5	A6NI73	LILRA5	353514	TRUE	0.13	0.2954	0.254	0.063436
8767-44	Endothelin-converting enzyme 1	Endothelin-converting enzyme 1:CD	Endothelin-converting enzyme 1:Cytoplasmic domain	P42892	ECE1	1889	TRUE	0.18	0.1169	0.242	0.061666
8768-4	Bcl-10	Bcl-10	B-cell lymphoma/leukemia 10	O95999	BCL10	8915	TRUE	0.13	0.1378	0.282	0.088324
8773-172	EMIL3	EMIL3	EMILIN-3:region 1	Q9NT22	EMILIN3	90187	TRUE	0.08	0.2063	0.27	0.107488
8775-61	FA24B	FA24B	Protein FAM24B	Q8N5W8	FAM24B	196792	TRUE	0.08	0.1262	0.22	0.146875
8776-10	ERLN1	ERLN1	Erlin-1	O75477	ERLIN1	10613	TRUE	0.11	0.1474	0.107	0.076345

8778-3	Noggin	Noggin	Noggin	Q13253	NOG	9241	TRUE	0.13	0.1591	0.363	0.073865
8780-2	PCD10	PCD10:C	Protocadherin-10: Cytoplasmic domain	Q9P2E7	PCDH10	57575	TRUE	0.13	0.2139	0.97	0.077003
8785-1	ARMC5	ARMC5: ARM 5	5: Armadillo Repeat Domain 5 Protein	Q96C12	ARMC5	79798	TRUE	0.11	0.1168	0.22	0.050994
8786-6	F171B	F171B:E	FAM171B: Extracellular domain	Q6P995	FAM171B	16521	TRUE	0.11	0.1137	0.912	0.066075
8790-6	Arylsulfatase A	Arylsulfatase A	Arylsulfatase A	P15289	ARSA	410	TRUE	0.13	0.1336	0.395	0.045064
8791-151	Carbonic Anhydrase VA	Carbonic Anhydrase VA	Carbonic anhydrase 5A, mitochondrial	P35218	CA5A	763	TRUE	0.11	0.2627	0.232	0.051151
8795-48	TR	TR:ECD	Transferrin receptor protein 1: Extracellular domain	P02786	TFRC	7037	TRUE	0.16	0.1918	0.364	0.071298
8800-14	TTC17	TTC17:T	17: Tetratricopeptide repeat 3	Q96AE7	TTC17	55761	TRUE	0.11	0.1506	0.422	0.076377
8811-24	BAMBI	BAMBI:E	CD homolog: Extracellular domain	Q13145	BAMBI	25805	TRUE	0.08	0.1183	0.411	0.073092
8813-160	Thioredoxin	Thioredoxin	Thioredoxin	P10599	TXN	7295	TRUE	0.13	0.224	0.134	0.100056
8814-33	SAPL1	SAPL1	Proactivator polypeptide-like 1	Q6NUJ1	PSAPL1	9	TRUE	0.08	1.1147	0.363	0.08339
8815-1	OLFL1	OLFL1	Olfactomedin-like protein 1	Q6UWY5	OLFML1	8	TRUE	0.09	0.0913	0.358	0.072468
8819-3	IGFBP-2	IGFBP-2	Insulin-like growth factor-binding protein 2	P18065	IGFBP2	3485	TRUE	0.08	0.1119	0.663	0.051281
8828-21	ESRP1	ESRP1	Epithelial splicing regulatory protein 1	Q6NXG1	ESRP1	54845	TRUE	0.07	0.1121	0.225	0.091434
8833-20	TRAIL	TRAIL	Tumor necrosis factor ligand superfamily member 10	P50591	TNFSF10	8743	TRUE	0.1	0.1056	0.63	0.084259
8838-10	CASC4	CASC4	Protein CASC4	Q6P4E1	GOLM2	1	TRUE	0.06	0.1047	0.202	0.052793
8840-61	C1s	C1s	Complement C1s subcomponent	P09871	C1S	716	TRUE	0.1	0.2016	0.136	0.085823
8841-65	CILP2	CILP2	Cartilage intermediate layer protein 2	Q8IUL8	CILP2	3	TRUE	0.08	0.1195	0.355	0.054312
8842-16	GRM1C	GRM1C	GRAM domain-containing protein 1C	Q8IYS0	GRAMD1C	54762	TRUE	0.06	0.125	0.118	0.04608

8843-34	MRF	MRF	Myelin regulatory factor	Q9Y2G1	MYRF	745	TRUE	0.15	0.1068	0.138	0.043972
8845-2	ATS3	ATS3	A disintegrin and metalloproteinase with thrombospondin motifs 3 Protein	O15072	ADAMTS3	9508	TRUE	0.06	0.1014	0.106	0.057946
8851-42	F171B	F171B:EC	FAM171B:Extracellular domain	Q6P995	FAM171B	165215	TRUE	0.18	0.0831	0.132	0.050051
8852-10	SUN3	SUN3	SUN domain-containing protein 3	Q8TAQ9	SUN3	256979	TRUE	0.1	0.152	0.753	0.033354
8853-2	CLC4A	CLC4A	C-type lectin domain family 4 member A	Q9UMR7	CLEC4A	50856	TRUE	0.09	0.092	0.206	0.059421
8854-59	RIR2B	RIR2B	Ribonucleoside-diphosphate reductase subunit M2 B	Q7LG56	RRM2B	50484	TRUE	0.07	0.076	0.295	0.080465
8866-53	QPCTL	QPCTL	Glutaminyl-peptide cyclotransferase-like protein	Q9NXS2	QPCTL	54814	TRUE	0.11	0.1161	0.266	0.116066
8867-18	Glycode18n	Glycode18n	Glycode18n	P09466	PAEP	5047	TRUE	0.07	0.0984	0.132	0.055576
8869-5	BT2A1	BT2A1	Butyrophilin subfamily 2 member A1	Q7KYR7	BTN2A1	11120	TRUE	0.1	0.1031	1.241	0.041105
8870-38	NPM1	NPM1	Nucleophosmin	P06748	NPM1	4869	TRUE	0.1	0.0935	0.087	0.080697
8871-14	NUDC	NUDC:N-term	Nuclear migration protein nudC:N-term, contains nuclear localization domain	Q9Y266	NUDC	10726	TRUE	0.11	0.1589	0.674	0.073164
8877-22	F176C	F176C:EC	Protein eva-1 homolog C:Extracellular domain	P58658	EVA1C	59271	TRUE	0.06	0.1312	1.27	0.059659
8885-6	CA2D3	CA2D3	Voltage-dependent calcium channel subunit alpha-2/delta-3	Q8IZS8	CACNA2D3	55799	TRUE	0.08	0.1129	0.221	0.065899
8887-21	NUDC	NUDC:C	Nuclear migration protein nudC:CS domain	Q9Y266	NUDC	10726	TRUE	0.07	0.136	0.488	0.043448
8888-33	CX068	CX068	Small integral membrane protein 9	A6NGZ8	SMIM9	100132963	TRUE	0.1	0.0896	0.149	0.031366
8889-5	CCPG1	CCPG1	Cell cycle progression protein 1	Q9ULG6	CCPG1	9236	TRUE	0.09	0.121	0.334	0.063883
8890-9	T132B	T132B	Transmembrane protein 132B	Q14DG7	TMEM132B	114795	TRUE	0.09	0.3307	0.205	0.051544
8891-7	CPVL	CPVL	Probable serine carboxypeptidase CPVL	Q9H3G5	CPVL	54504	TRUE	0.04	0.1158	1.668	0.05376
8893-29	PARP	PARP:region 1	Poly [ADP-ribose] polymerase 1:region 1	P09874	PARP1	142	TRUE	0.09	0.1491	0.897	0.030063
8894-80	hnRNP A/B	hnRNP A/B	Heterogeneous nuclear ribonucleoprotein A/B	Q99729	HNRNPA B	3182	TRUE	0.06	0.0989	0.236	0.053578

8897-3	L37A2	L37A2	Leucine-rich repeat-containing protein 37A2	A6NM11	LRR37A	47417	2	0	TRUE	0.11	0.2835	0.51	0.129165
8900-28	NEO1	NEO1	Neogenin	Q92859	NEO1	4756			TRUE	0.08	0.1265	0.19	0.092981
8901-40	Unknown	14-3-3 protein gamma	14-3-3 protein gamma	P61981	YWHAG	7532			TRUE	0.18	0.4335	0.548	0.039798
8903-1	COX6C	COX6C	Cytochrome c oxidase subunit 6C	P09669	COX6C	1345			TRUE	0.08	0.1911	0.182	0.033972
8905-20	KCMB3	KCMB3	Calcium-activated potassium channel subunit beta-3	Q9NPA1	KCNMB3	27094			TRUE	0.16	0.3013	0.17	0.069169
8906-60	LRTM2	LRTM2	Leucine-rich repeat and transmembrane domain-containing protein 2	Q8N967	LRTM2	65442	9		TRUE	0.11	0.143	0.485	0.064711
8907-11	UD2A1	UD2A1	UDP-glucuronosyltransferase 2A1	PODTE4	UGT2A1				TRUE	0.17	0.226	1.236	0.032254
8908-14	KCE1L	KCE1L:C	Potassium voltage-gated channel subfamily E regulatory beta subunit 5:Cytoplasmic domain	Q9UJ90	KCNE5	23630			TRUE	0.13	0.1596	0.218	0.064606
8913-22	SIG11	SIG11:C	Sialic acid-binding Ig-like lectin 11:Cytoplasmic domain, Isoform 2	Q96RL6	SIGLEC1	11413	1	2	TRUE	0.06	0.114	0.277	0.052751
8916-32	STIM1	STIM1:C	Stromal interaction molecule 1:Cytoplasmic domain	Q13586	STIM1	6786			TRUE	0.07	0.1493	0.68	0.170006
8921-139	PABP2	PABP2	Polyadenylate-binding protein 2	Q86U42	PABPN1	8106			TRUE	0.09	0.1292	0.297	0.054907
8922-4	TMCC3	TMCC3:r	Transmembrane and coiled-coil domains protein 3:region 1	Q9ULS5	TMCC3	57458			TRUE	0.1	0.2506	0.435	0.061983
8923-94	GLTL1	GLTL1	Polypeptide N-acetylgalactosaminyltransferase 16	Q8N428	GALNT1	57452	6		TRUE	0.12	0.2053	0.298	0.05392
8924-55	CALY	CALY	Neuron-specific vesicular protein calcyon	Q9NYX4	CALY	50632			TRUE	0.07	0.0895	0.396	0.067147
8925-25	RIR2B	RIR2B	Ribonucleoside-diphosphate reductase subunit M2 B	Q7LG56	RRM2B	50484			TRUE	0.06	0.1149	0.498	0.065033
8929-7	BDP1	BDP1	Transcription factor TFIIIB component B'' homolog	A6H8Y1	BDP1	55814			TRUE	0.08	0.1765	0.133	0.026674
8931-124	GOS2	GOS2	G0/G1 switch protein 2	P27469	GOS2	50486			TRUE	0.06	0.099	0.691	0.054679

8932-1	ENTP6	ENTP6	Ectonucleoside triphosphate diphosphohydrolase 6	O75354	ENTPD6	955	TRUE	0.11	0.1467	0.139	0.118469
8942-2	RM21	RM21	39S ribosomal protein L21, mitochondrial	Q7Z2W9	MRPL21	7	TRUE	0.17	0.7821	0.256	0.089917
8945-7	F175B	F175B	BRISC complex subunit	Q15018	S2	23172	TRUE	0.12	0.1765	0.769	0.062585
8946-38	NR1H4	NR1H4	Abro1	Q96RI1	NR1H4	9971	TRUE	0.12	0.1485	0.113	0.043249
8948-13	ADA19	ADA19	Bile acid receptor	Q9H013	ADAM19	8728	TRUE	0.11	0.183	1.026	0.057297
8950-4	CLCA2	CLCA2	Disintegrin and metalloproteinase domain-containing protein 19	Q9UQC9	CLCA2	9635	TRUE	0.13	0.098	0.212	0.089384
8951-162	CSPG4	CSPG4	Calcium-activated chloride channel regulator 2	Q6UVK1	CSPG4	1464	TRUE	0.13	0.2451	0.574	0.05832
8952-65	G-CSF	G-CSF	Chondroitin sulfate proteoglycan 4	P09919	CSF3	1440	TRUE	0.07	0.1704	0.597	0.088137
8953-47	HDGF	HDGF	Granulocyte colony-stimulating factor	P51858	HDGF	3068	TRUE	0.05	0.0914	0.308	0.08534
8955-60	GL8D1	GL8D1	Hepatoma-derived growth factor	Q68CQ7	GLT8D1	55830	TRUE	0.12	0.1291	0.121	0.057595
8958-51	CHL1	CHL1	Glycosyltransferase 8 domain-containing protein 1	O00533	CHL1	10752	TRUE	0.08	0.1408	0.123	0.056588
8959-61	ADAM 17	ADAM 17:ECD	Neural cell adhesion molecule L1-like protein	P78536	ADAM17	6868	TRUE	0.08	0.2096	0.116	0.071817
8960-3	LRAP	LRAP	Disintegrin and metalloproteinase domain-containing protein 17:Extracellular domain	Q6P179	ERAP2	64167	TRUE	0.08	0.2526	0.383	0.041473
8962-48	KS6B1	KS6B1	Endoplasmic reticulum aminopeptidase 2	P23443	RPS6KB1	6198	TRUE	0.29	0.3482	1.307	0.047568
8963-8	Vti1-rp1	Vti1-rp1	Ribosomal protein S6	Q9UEU0	VTI1B	10490	TRUE	0.1	0.1316	0.961	0.068967
8969-49	CD14	CD14	Vesicle transport through interaction with t-SNAREs homolog 1B	P08571	CD14	929	TRUE	0.13	0.2867	0.118	0.048544
8971-9	NRX1A	NRX1A	Monocyte differentiation antigen CD14	Q9ULB1	NRXN1	9378	TRUE	0.08	0.295	0.479	0.108502
8973-23	FCRL4	FCRL4:CD	Neurexin-1	Q96PJ5	FCRL4	83417	TRUE	0.08	0.0783	0.436	0.101046
8974-172	COFA1	COFA1	Fc receptor-like protein 4:Extracellular domain	P39059	COL15A	1	TRUE	0.11	0.2337	0.182	0.106679
			Collagen alpha-1(XV) chain			1306	TRUE				

8975-26	RCD1	RCD1	Cell differentiation protein RCD1 homolog	Q92600	CNOT9	9125	TRUE	0.05	0.1679	0.914	0.057367
8982-65	TSP3	TSP3	Thrombospondin-3	P49746	THBS3	7059	TRUE	0.2	0.2256	0.303	0.167576
8983-7	GOLM1	GOLM1	Golgi membrane protein 1	Q8NBJ4	GOLM1	51280	TRUE	0.09	0.2506	0.799	0.089312
8985-13	SRAC1	SRAC1	Protein SERAC1 D-3-phosphoglycerate dehydrogenase	Q96JX3	SERAC1	84947	TRUE	0.09	0.1247	1.724	0.056491
8986-2	SERA	SERA	Signal peptide, CUB and EGF-like domain- containing protein 1	O43175	PHGDH	26227	TRUE	0.11	0.233	2.274	0.068596
8989-40	SCUB1	SCUB1		Q8IWY4	SCUBE1	80274	TRUE	0.13	0.1983	0.984	0.079712
8991-115	FCRL4	FCRL4:C D	Fc receptor-like protein 4: Cytoplasmic domain Receptor-interacting serine/threonine-protein kinase 2	Q96PJ5	FCRL4	83417	TRUE	0.07	0.1087	1.88	0.041511
8993-151	RIPK2	RIPK2	Neuronal pentraxin receptor	O43353	RIPK2	8767	TRUE	0.18	0.1534	0.116	0.047234
8997-4	NPTXR	NPTXR		O95502	NPTXR	23467	TRUE	0.1	0.1081	0.317	0.090992
8999-19	CEAM3	CEAM3	Carcinoembryonic antigen- related cell adhesion molecule 3	P40198	CEACAM 3	1084	TRUE	0.09	0.1578	0.089	0.066028
9000-177	SLC31	SLC31	Neutral and basic amino acid transport protein rBAT	Q07837	SLC3A1	6519	TRUE	0.18	0.1795	1.036	0.095714
9002-36	SPA11	SPA11	Serpin A11	Q86U17	SERPINA 11	25639 4	TRUE	0.07	0.2566	0.272	0.090328
9003-99	MARCO	MARCO	Macrophage receptor MARCO	Q9UEW3	MARCO	8685	TRUE	0.13	0.125	0.481	0.056628
9005-16	PLXA1	PLXA1	Plexin-A1	Q9UIW2	PLXNA1	5361	TRUE	0.15	0.1026	0.216	0.098422
9008-6	TMG1	TMG1:P ro-form, ECD	Transmembrane gamma- carboxyglutamic acid protein 1: Pro-form, Extracellular domain	O14668	PRRG1	5638	TRUE	0.11	0.2496	0.272	0.07039
9013-60	NET1	NET1	Netrin-1	O95631	NTN1	9423	TRUE	0.13	0.1932	0.228	0.132927
9014-18	TMM25	TMM25	Transmembrane protein 25	Q86YD3	TMEM2 5	84866	TRUE	0.1	0.0651	0.274	0.069437
9017-58	LPH	LPH	Lactase-phlorizin hydrolase	P09848	LCT	3938	TRUE	0.07	0.131	0.69	0.064726
9018-38	PCD10	PCD10:E CD	Protocadherin- 10: Extracellular domain Hepatitis A virus cellular receptor 1	Q9P2E7	PCDH10	57575	TRUE	0.06	0.0707	0.22	0.065004
9021-1	TIM-1	TIM-1		Q96D42	HAVCR1	26762	TRUE	0.12	0.1107	1.355	0.048425
9022-49	DB132	DB132	Beta-defensin 132	Q7Z7B7	DEFB132	0	TRUE	0.26	0.181	0.249	0.043929

9028-5	PAPD1	PAPD1	Poly(A) RNA polymerase, mitochondrial	Q9NVV4	MTPAP	55149	TRUE	0.16	0.2466	1.909	0.070618
9037-1	STX18	STX18	Syntaxin-18	Q9P2W9	STX18	53407	TRUE	0.08	0.1405	0.517	0.051119
9038-12	JTB	JTB	Protein JTB	O76095	JTB	10899	TRUE	0.06	0.2108	0.113	0.05155
9039-47	TOIP1	TOIP1:Nuclear	Torsin-1A-interacting protein 1:Nuclear domain Tuftelin-interacting	Q5JTV8	TOR1AIP1	26092	TRUE	0.12	0.2842	0.252	0.061612
9043-7	TFP11	TFP11	protein 11 Contactin-associated	Q9UBB9	TFIP11	24144	TRUE	0.26	0.2379	0.368	0.08472
9044-1	CNTP5	CNTP5	protein-like 5 Very long-chain acyl-CoA	Q8WYK1	CNTNAP5	12968	TRUE	0.19	0.3543	2.41	0.103551
9045-3	S27A2	S27A2	synthetase	O14975	SLC27A2	11001	TRUE	0.26	0.4987	0.395	0.104408
9053-16	CRIP2	CRIP2	Cysteine-rich protein 2	P52943	CRIP2	1397	TRUE	0.06	0.1616	0.828	0.068496
9059-14	RPGF5	RPGF5	Rap guanine nucleotide exchange factor 5	Q92565	RAPGEF5	9771	TRUE	0.19	0.2523	1.532	0.035882
9064-12	RN215	RN215:CD	RING finger protein 215:Cytoplasmic domain	Q9Y6U7	RNF215	20031	TRUE	0.09	0.1326	0.285	0.05608
9065-28	TXLNA	TXLNA	Alpha-taxilin Janus kinase and microtubule-interacting	P40222	TXLNA	20008	TRUE	0.19	0.2462	0.339	0.074685
9068-17	JKIP3	JKIP3	protein 3	Q5VZ66	JAKMIP3	28297	TRUE	0.1	0.1078	0.162	0.049663
9076-25	PENK	PENK	Proenkephalin-A	P01210	PENK	5179	TRUE	0.1	0.2007	0.433	0.083828
9078-207	SNTB1	SNTB1	Beta-1-syntrophin	Q13884	SNTB1	6641	TRUE	0.1	0.1792	0.723	0.094803
9083-35	SHPS1	SHPS1	Tyrosine-protein phosphatase non-receptor type substrate 1	P78324	SIRPA	14088	TRUE	0.08	0.1548	1.049	0.063721
9086-95	Mammaglobin 2	Mammaglobin 2	Mammaglobin-B NHL repeat-containing protein 3	O75556	SCGB2A1	4246	TRUE	0.07	0.1909	0.313	0.026158
9087-8	NHLC3	NHLC3	protein 3	Q5JS37	NHLRC3	38792	TRUE	0.13	0.2808	0.819	0.058529
9089-77	JPH3	JPH3	Junctophilin-3 Synaptotagmin-like protein 4:Ca2+-dependent	Q8WXH2	JPH3	57338	TRUE	0.07	0.0832	0.854	0.055377
9090-9	SYTL4	SYTL4:C21	membrane-targeting module 1 C-type lectin domain	Q96C24	SYTL4	17048	TRUE	0.1	0.2342	1.09	0.05876
9094-5	CLC4C	CLC4C	family 4 member C	Q8WTT0	CLEC4C	2	TRUE	0.07	0.2225	0.44	0.062155

			UPF0577 protein									
9097-5	K1324	D	K1324:C KIAA1324:Cytoplasmic domain	Q6UXG2	ELAPOR	1	57535	TRUE	0.12	0.1231	1.078	0.050534
9099-19	SYT5	SYT5	Synaptotagmin-5	O00445	SYT5	6861	38933	TRUE	0.09	0.2284	0.221	0.119726
9100-32	CE046	CE046	Uncharacterized protein C5orf46	Q6UWT4	C5orf46	6		TRUE	0.19	0.2156	0.606	0.026935
9102-28	ZFY27	ZFY27: D region 2	Protrudin:Cytoplasmic domain, region 2, isoform 5	Q5T4F4			11881	TRUE	0.1	0.1371	0.369	0.065721
9111-40	JPH4	JPH4	Junctophilin-4	Q96JJ6	JPH4	84502		TRUE	0.07	0.1174	0.365	0.080393
9114-84	UROL1	UROL1	UMODL Uromodulin-like 1 HEPACAM family member	Q5DID0	1	89766		TRUE	0.11	0.1768	1.928	0.079819
9116-28	HECA2	HECA2: D	2:Isoform 1, Cytoplasmic domain	A8MVW	HEPACA	25301		TRUE	0.12	0.2164	0.158	0.054173
9118-7	PSD2	PSD2	PH and SEC7 domain-containing protein 2	Q9BQI7	PSD2	84249		TRUE	0.18	0.1367	0.607	0.030549
9125-23	MASP3	MASP3: Sushi 1 and Sushi 2	Mannan-binding lectin serine protease 1:Sushi 1 and Sushi 2	P48740	MASP1	5648		TRUE	0.1	0.2576	0.315	0.097886
9169-14	SUMO3	SUMO3	Small ubiquitin-related modifier 3	P55854	SUMO3	6612		TRUE	0.18	4.6183	0.696	0.042844
9171-11	CSRP3	CSRP3	Cysteine and glycine-rich protein 3	P50461	CSRP3	8048		TRUE	0.08	0.1704	0.454	0.1067
9172-69	MMP-8	MMP-8	Neutrophil collagenase	P22894	MMP8	4317		TRUE	0.09	0.2232	0.538	0.03588
9173-21	PGM1	PGM1	Phosphoglucomutase-1	P36871	PGM1	5236		TRUE	0.17	0.1406	1.121	0.063349
9175-48	DSCAM	DSCAM	Down syndrome cell adhesion molecule	O60469	DSCAM	1826		TRUE	0.08	0.2237	0.228	0.037091
9176-3	MUC1	MUC1: r egion 2	Mucin-1:region 2	P15941	MUC1	4582		TRUE	0.15	0.1868	0.297	0.07641
9177-6	FAM3B	FAM3B	Protein FAM3B	P58499	FAM3B	54097		TRUE	0.15	0.2298	0.348	0.098157
9180-6	INGR2	INGR2: E CD	Interferon gamma receptor 2:Extracellular domain	P38484	IFNGR2	3460		TRUE	0.08	0.1268	0.306	0.031987
9182-3	sLRP1	sLRP1: E CD	Low-density lipoprotein receptor-related protein 1, soluble:Extracellular domain, LDL receptor class A domains 11-20	Q07954	LRP1	4035		TRUE	0.1	0.1707	0.21	0.097175
9183-7	IFN-a/b R1	IFN-a/b R1	Interferon alpha/beta receptor 1	P17181	IFNAR1	3454		TRUE	0.08	0.0964	0.35	0.099486
9185-15	TFF1	TFF1	Trefoil factor 1	P04155	TFF1	7031		TRUE	0.1	0.0835	0.556	0.085852

			Non-histone chromosomal									
9187-2	HMG1	HMG1	protein HMG-14	P05114	HMG1	3150	TRUE	0.13	0.2016	0.237	0.036655	
9188-119	MIG	MIG	C-X-C motif chemokine 9	Q07325	CXCL9	4283	TRUE	0.05	0.1356	5.021	0.090933	
9190-7	CD63	CD63	CD63 antigen	P08962	CD63	967	TRUE	0.08	0.1413	0.939	0.125303	
9191-8	Trefoil factor 2	Trefoil factor 2	Trefoil factor 2	Q03403	TFF2	7032	TRUE	0.07	0.0775	0.489	0.048568	
9196-8	Galectin-7	Galectin-7	Galectin-7	P47929	LGALS7	3963	TRUE	0.1	0.1602	0.543	0.048612	
9197-4	LEG9	LEG9	Galectin-9	O00182	LGALS9	3965	TRUE	0.12	0.1603	0.427	0.06359	
9199-6	UB2G2	UB2G2	Ubiquitin-conjugating enzyme E2 G2	P60604	UBE2G2	7327	TRUE	0.09	0.1654	0.168	0.037969	
9201-13	Transgelin-2	Transgelin-2	Transgelin-2	P37802	TAGLN2	8407	TRUE	0.22	3.6845	0.441	0.06167	
9202-309	ATPO	ATPO	ATP synthase subunit O, mitochondrial	P48047	ATP5PO	539	TRUE	0.15	0.1642	0.878	0.05446	
9204-33	Corticotropin-lipotropin	Corticotropin-lipotropin	Pro-opiomelanocortin	P01189	POMC	5443	TRUE	0.18	0.0956	0.393	0.098725	
9207-60	QORL1	QORL1	Quinone oxidoreductase-like protein 1	O95825	CRYZL1	9946	TRUE	0.1	0.1733	0.496	0.072259	
9211-19	PEDF	PEDF	Pigment epithelium-derived factor	P36955	SERPINF1	5176	TRUE	0.25	0.8368	0.24	0.20577	
9212-22	CATF	CATF	Cathepsin F	Q9UBX1	CTSF	8722	TRUE	0.07	0.1021	0.219	0.105397	
9215-117	UBP25	UBP25	Ubiquitin carboxyl-terminal hydrolase 25	Q9UHP3	USP25	29761	TRUE	0.1	0.2539	0.301	0.074842	
9216-100	PLXB2	PLXB2	Plexin-B2	O15031	PLXNB2	23654	TRUE	0.11	1.0901	0.182	0.046996	
9218-7	Fas, soluble	Fas, soluble	Tumor necrosis factor receptor superfamily member 6	P25445	FAS	355	TRUE	0.12	0.1275	0.106	0.050695	
9219-70	NENF	NENF	Neudesin	Q9UMX5	NENF	29937	TRUE	0.09	0.0865	0.884	0.047673	
9220-7	EPHB3	EPHB3	Ephrin type-B receptor 3	P54753	EPHB3	2049	TRUE	0.11	0.1254	3.1	0.059503	
9221-6	IPIL1	IPIL1	Inositol 1,4,5-trisphosphate receptor-interacting protein-like 1	Q6GPH6	ITPRIPL1	15077	TRUE	0.08	0.1929	0.336	0.053722	
9223-11	ARMET	ARMET	Mesencephalic astrocyte-derived neurotrophic factor	P55145	MANF	7873	TRUE	0.11	2.7039	1.115	0.067282	
9224-20	Prolactin Receptor	Prolactin Receptor	Prolactin receptor	P16471	PRLR	5618	TRUE	0.08	0.0849	0.156	0.039017	

9227-15	PD-1	PD-1	Programmed cell death protein 1	Q15116	PDCD1	5133	TRUE	0.08	0.5075	0.269	0.03638
9229-9	CTRL	CTRL	Chymotrypsin-like protease CTRL-1	P40313	CTRL	1506	TRUE	0.19	0.2167	0.297	0.029188
9231-23	IMPA3	IMPA3	Inositol monophosphatase 3	Q9NX62	BPNT2	54928	TRUE	0.1	0.0972	0.215	0.063099
9232-1	ROBO4	ROBO4	Roundabout homolog 4	Q8WZ75	ROBO4	54538	TRUE	0.11	0.1062	0.291	0.077972
9233-71	TFPI -2	TFPI -2	Tissue factor pathway inhibitor 2	P48307	TFPI2	7980	TRUE	0.1	0.1716	0.25	0.026285
9234-8	TWSG1	TWSG1	Twisted gastrulation protein homolog 1	Q9GZX9	TWSG1	57045	TRUE	0.1	0.1413	0.139	0.051117
9235-3	PXDC1	PXDC1	Plexin domain-containing protein 1	Q8IU5	PLXDC1	57125	TRUE	0.14	0.367	0.219	0.060319
9237-54	Lysosomal phosphatase	Lysosomal phosphatase	Lysosomal acid phosphatase	P11117	ACP2	53	TRUE	0.18	0.1856	6.678	0.047417
9241-40	SIRPG	SIRPG	Signal-regulatory protein gamma	Q9P1W8	SIRPG	55423	TRUE	0.13	0.1176	0.134	0.0482
9242-11	BTC	BTC	Betacellulin	P35070	BTC	685	TRUE	0.1	0.0981	0.357	0.01551
9243-10	LYG1	LYG1	Lysozyme g-like protein 1	Q8N1E2	LYG1	0	TRUE	0.1	0.1764	1.373	0.025775
9244-27	PPT1	PPT1	Palmitoyl-protein thioesterase 1	P50897	PPT1	5538	TRUE	0.08	1.5378	0.218	0.059138
9248-36	CS010	CS010	Myeloid-derived growth factor	Q969H8	MYDGF	56005	TRUE	0.11	0.1306	0.217	0.041746
9250-87	HNP-1	HNP-1	Neutrophil defensin 1	P59665	DEFA1	1667	TRUE	0.08	0.1361	0.636	0.034715
9251-28	MA2B2	MA2B2	Epididymis-specific alpha-mannosidase	Q9Y2E5	MAN2B2	23324	TRUE	0.22	0.3871	0.318	0.061412
9253-52	BGAT	BGAT	Histo-blood group ABO system transferase	P16442	ABO	28	TRUE	0.11	0.1518	1.119	0.032002
9254-18	FCERA	FCERA	High affinity immunoglobulin epsilon receptor subunit alpha	P12319	FCER1A	2205	TRUE	0.31	0.1597	0.232	0.039405
9257-14	TACO1	TACO1	Translational activator of cytochrome c oxidase 1	Q9BSH4	TACO1	51204	TRUE	0.08	0.1006	0.93	0.079945
9263-57	SIAE	SIAE	Sialate O-acetyltransferase	Q9HAT2	SIAE	54414	TRUE	0.12	0.1165	0.249	0.033877
9264-11	CATO	CATO	Cathepsin O	P43234	CTSO	1519	TRUE	0.1	0.1617	0.224	0.052769
9267-2	CBPA4	CBPA4	Carboxypeptidase A4	Q9UI42	CPA4	51200	TRUE	0.07	0.1661	0.644	0.022047
9269-7	Biotinidase	Biotinidase	Biotinidase	P43251	BTD	686	TRUE	0.13	0.1435	0.142	0.110278
9275-2	Siglec-5	Siglec-5	Sialic acid-binding Ig-like lectin 5	O15389	SIGLEC5	8778	TRUE	0.13	0.13	0.399	0.036557

9277-16	PAP1	PAP1	Regenerating islet-derived protein 3-alpha	Q06141	REG3A	5068	TRUE	0.08	0.1312	2.261	0.039504
9278-9	SDF-1	SDF-1	Stromal cell-derived factor 1	P48061	CXCL12	6387	TRUE	0.08	0.1517	0.186	0.028035
9279-7	IGS11	IGS11:CD	Immunoglobulin superfamily member 11:Extracellular domain	Q5DX21	IGSF11	4	TRUE	0.21	0.242	0.208	0.030835
9282-12	CRIS2	CRIS2	Cysteine-rich secretory protein 2	P16562	CRISP2	7180	TRUE	0.1	0.2701	0.452	0.059989
9283-8	CD44	CD44	CD44 antigen	P16070	CD44	960	TRUE	0.07	0.0918	0.184	0.048949
9284-25	SFRP4	SFRP4	Secreted frizzled-related protein 4	Q6FHJ7	SFRP4	6424	TRUE	0.07	0.0829	0.276	0.034438
9287-6	SPRE	SPRE	Sepiapterin reductase	P35270	SPR	6697	TRUE	0.1	0.1108	0.086	0.08874
9288-7	FKBP7	FKBP7	Peptidyl-prolyl cis-trans isomerase FKBP7	Q9Y680	FKBP7	51661	TRUE	0.08	0.1865	0.344	0.055488
9294-45	MFAP2	MFAP2	Microfibrillar-associated protein 2	P55001	MFAP2	4237	TRUE	0.46	0.2355	0.13	0.056255
9296-15	PTPRD	PTPRD	Receptor-type tyrosine-protein phosphatase delta	P23468	PTPRD	5789	TRUE	0.09	0.0886	0.237	0.042496
9297-12	B3GN8	B3GN8	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8	Q7Z7M8	B3GNT8	7	TRUE	0.06	0.1006	0.219	0.023283
9302-90	G45IP	G45IP	Growth arrest and DNA damage-inducible proteins-interacting protein 1	Q8TAE8	GADD45 GIP1	90480	TRUE	0.1	0.1585	0.146	0.037244
9303-9	B7-H2	B7-H2	ICOS ligand	O75144	ICOSLG	23308	TRUE	0.08	0.092	0.68	0.014398
9305-89	INGR2	INGR2:CD	Interferon gamma receptor 2:Extracellular domain	P38484	IFNGR2	3460	TRUE	0.08	0.0578	0.184	0.049168
9310-2	CD8B	CD8B	T-cell surface glycoprotein CD8 beta chain	P10966	CD8B	926	TRUE	0.28	0.2824	0.34	0.090865
9312-8	AZGP1	AZGP1	Zinc-alpha-2-glycoprotein	P25311	AZGP1	563	TRUE	0.1	0.2652	0.142	0.05418
9313-27	CBLN1	CBLN1	Cerebellin-1	P23435	CBLN1	869	TRUE	0.08	0.1229	0.372	0.033647
9315-16	MUL1	MUL1:IMD	Mitochondrial ubiquitin ligase activator of NFKB 1:Mitochondrial intermembrane domain	Q969V5	MUL1	79594	TRUE	0.09	0.1703	4.61	0.038142
9316-67	WFDC1	WFDC1	WAP four-disulfide core domain protein 1	Q9HC57	WFDC1	58189	TRUE	0.07	0.1333	0.271	0.075978

9317-4	LRC25	LRC25:E CD	Leucine-rich repeat- containing protein 25:Extracellular domain	Q8N386	LRRC25	4	12636 TRUE	0.31	0.3668	0.219	0.05944
9326-33	ITI heavy chain H2	ITI heavy chain H2	Inter-alpha-trypsin inhibitor heavy chain H2	P19823	ITIH2	3698	11637 TRUE	0.11	0.1101	0.165	0.072791
9327-3	LYPD1	LYPD1	Ly6/PLAUR domain- containing protein 1	Q8N2G4	LYPD1	2	TRUE	0.14	0.1454	0.302	0.056416
9329-28	TRML1	TRML1:E CD	Trem-like transcript 1 protein:Extracellular domain, Ig-like V-type domain	Q86YW5	TREML1	5	34020 TRUE	0.1	0.1129	0.415	0.048194
9333-59	ERP27	ERP27	Endoplasmic reticulum resident protein 27	Q96DN0	ERP27	6	12150 TRUE	0.06	0.2113	0.566	0.061714
9335-28	PSG9	PSG9	Pregnancy-specific beta-1- glycoprotein 9	Q00887	PSG9	5678	TRUE	0.16	0.1653	1.104	0.079429
9337-43	TKN1	TKN1	Protachykinin-1	P20366	TAC1	6863	TRUE	0.11	0.0803	0.287	0.045093
9339-204	FKBP2	FKBP2	Peptidyl-prolyl cis-trans isomerase FKBP2	P26885	FKBP2	2286	TRUE	0.23	0.2385	0.577	0.068821
9340-17	FKB14	FKB14	Peptidyl-prolyl cis-trans isomerase FKBP14	Q9NWM8	FKBP14	55033	TRUE	0.23	0.1339	0.517	0.048715
9341-1	PDGFD	PDGFD	Platelet-derived growth factor D	Q9GZP0	PDGFD	80310	TRUE	0.09	0.0911	0.373	0.044029
9343-16	IL-2 sRb	IL-2 sRb	Interleukin-2 receptor subunit beta	P14784	IL2RB	3560	TRUE	0.07	0.077	0.284	0.032114
9345-436	WFD13	WFD13	WAP four-disulfide core domain protein 13	Q8IU5	WFDC13	7	16423 TRUE	0.07	0.0886	0.157	0.047635
9348-1	C1RL1	C1RL1	Complement C1r subcomponent-like protein	Q9NZP8	C1RL	51279	TRUE	0.16	0.1247	0.151	0.067164
9350-3	FSTL4	FSTL4	Follistatin-related protein 4	Q6MZW2	FSTL4	23105	TRUE	0.06	0.0967	0.09	0.026048
9352-86	REG3G	REG3G	Regenerating islet-derived protein 3-gamma	Q6UW15	REG3G	0	13012 TRUE	0.12	0.2264	1.078	0.035781
9357-4	CREG1	CREG1	Protein CREG1	O75629	CREG1	8804	TRUE	0.1	3.7808	0.272	0.028606
9359-9	EGFL9	EGFL9	Protein delta homolog 2 EGF-like repeat and discoidin I-like domain-	Q6UY11	DLK2	65989	TRUE	0.1	0.1032	0.274	0.046296
9360-33	EDIL3	EDIL3	containing protein 3	O43854	EDIL3	10085	TRUE	0.14	0.0942	0.429	0.070078
9361-7	PCDC2	PCDC2	Protocadherin alpha-C2	Q9Y5I4	PCDHAC2	56134	TRUE	0.06	0.1052	0.452	0.108939
9366-54	IL-21 sR	IL-21 sR	Interleukin-21 receptor	Q9HBE5	IL21R	50615	TRUE	0.43	0.4354	0.139	0.043054
9369-174	NGL1	NGL1	Leucine-rich repeat- containing protein 4C	Q9HCJ2	LRRC4C	57689	TRUE	0.08	0.1123	0.168	0.053866

9372-157	MPZL2	MPZL2	Myelin protein zero-like protein 2	O60487	MPZL2	10205	TRUE	0.22	0.248	0.244	0.048185
9377-25	SCF	SCF	Kit ligand	P21583	KITLG	4254	TRUE	0.13	0.3018	0.271	0.059777
9378-6	FBCD1	FBCD1	Fibrinogen C domain-containing protein 1	Q8N539	FIBCD1	84929	TRUE	0.14	0.2087	0.301	0.062099
9379-248	CX069	CX069	Small integral membrane protein 10	Q96HG1	SMIM10	8	TRUE	0.1	0.1559	0.356	0.015764
9380-2	sPLA(2)-XIII	sPLA(2)-XIII	Group XIIB secretory phospholipase A2-like protein	Q9BX93	PLA2G12B	84647	TRUE	0.09	0.1321	0.262	0.045634
9383-24	CH3L2	CH3L2	Chitinase-3-like protein 2	Q15782	CHI3L2	1117	TRUE	0.14	0.1047	0.166	0.028501
9384-17	Cathelicidin peptide	Cathelicidin peptide	Cathelicidin antimicrobial peptide	P49913	CAMP	820	TRUE	0.13	0.1767	0.472	0.050779
9385-4	GAA	GAA	Lysosomal alpha-glucosidase	P10253	GAA	2548	TRUE	0.8	0.831	0.255	0.077117
9386-42	TTC9B	TTC9B	Tetratricopeptide repeat protein 9B	Q8N6N2	TTC9B	4	TRUE	0.08	0.1844	0.484	0.063109
9388-18	MCEE	MCEE	Methylmalonyl-CoA epimerase, mitochondrial	Q96PE7	MCEE	84693	TRUE	0.38	0.4894	0.64	0.107969
9391-60	PCSK1	PCSK1	ProSAAS	Q9UHG2	PCSK1N	27344	TRUE	0.09	0.2392	0.925	0.056841
9392-43	MGT4A	MGT4A	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A	Q9UM21	MGAT4A	11320	TRUE	0.1	0.1324	0.507	0.021678
9394-19	Aminopeptidase	Aminopeptidase	Carboxypeptidase Q	Q9Y646	CPQ	10404	TRUE	0.07	0.1073	0.269	0.039213
9400-40	Galectin-7	Galectin-7	Galectin-7	P47929	LGALS7	3963	TRUE	0.09	0.1007	0.23	0.037576
9401-57	CB089	CB089	Metalloprotease TIK11	Q86V40	A	3	TRUE	0.1	0.1925	0.456	0.040416
9402-18	DCBD1	DCBD1	Discoidin, CUB and LCCL domain-containing protein 1	Q8N8Z6	DCBLD1	1	TRUE	0.14	0.1279	0.232	0.086435
9409-11	TRYB1	TRYB1	Tryptase beta-1	Q15661	TPSAB1	7177	TRUE	0.06	0.1238	0.383	0.011493
9416-77	CBPM	CBPM	Carboxypeptidase M	P14384	CPM	1368	TRUE	0.13	1.2643	0.288	0.039567
9436-2	ID-1	ID-1	DNA-binding protein inhibitor ID-1	P41134	ID1	3397	TRUE	0.31	0.2779	0.314	0.030551
9449-150	C4b-binding protein alpha chain	C4b-binding protein alpha chain	C4b-binding protein alpha chain	P04003	C4BPA	722	TRUE	0.19	0.1257	0.155	0.030933

9451-20	Uromodulin	Uromodulin	Uromodulin	P07911	UMOD	7369	TRUE	0.06	0.2607	0.304	0.083732
9453-12	VEGF-B	VEGF-B	Vascular endothelial growth factor B	P49765	VEGFB	7423	TRUE	0.04	0.0679	0.445	0.023888
9456-34	IL-22BP	IL-22BP	Interleukin-22 receptor subunit alpha-2	Q969J5	IL22RA2	11637 9	TRUE	0.09	0.3237	0.442	0.063226
9457-3	CAV2	CAV2	Caveolin-2	P51636	CAV2	858	TRUE	0.11	0.2378	0.263	0.054471
9459-7	Fas, soluble	Fas, soluble	Tumor necrosis factor receptor superfamily member 6	P25445	FAS	355	TRUE	0.08	0.177	0.283	0.038249
9461-2	ICAM4	ICAM4	Intercellular adhesion molecule 4	Q14773	ICAM4	3386	TRUE	0.14	0.2553	0.323	0.04807
9468-8	Lectin, mannose-binding 2	Lectin, mannose-binding 2	Vesicular integral-membrane protein VIP36	Q12907	LMAN2	10960	TRUE	0.22	0.5897	0.196	0.05547
9470-15	MET24	MET24	Methyltransferase-like protein 24	Q5JXM2	METTL2	72846 4	TRUE	0.06	0.1232	0.18	0.025151
9474-22	ASGR2	ASGR2	Asialoglycoprotein receptor 2	P07307	ASGR2	433	TRUE	0.09	0.0708	0.361	0.067031
9478-69	KPRA	KPRA	Phosphoribosyl pyrophosphate synthase-associated protein 1	Q14558	PRPSAP1	5635	TRUE	0.07	0.1564	0.571	0.078564
9482-110	NUDT9	NUDT9	ADP-ribose pyrophosphatase, mitochondrial	Q9BW91	NUDT9	53343	TRUE	0.08	0.1097	0.195	0.031936
9484-75	Desmoglein-2	Desmoglein-2	Desmoglein-2	Q14126	DSG2	1829	TRUE	0.12	0.1281	0.235	0.047718
9487-60	Growth hormone-releasing factor	Growth hormone-releasing factor	Somatoliberin	P01286	GHRH	2691	TRUE	0.18	0.2612	0.429	0.074544
9490-3	CD032	CD032	Uncharacterized protein C4orf32	Q8N8J7	FAM241	13272	TRUE	0.25	0.2529	0.172	0.090107
9495-10	VCC1	VCC1	C-X-C motif chemokine 17	Q6UXB2	CXCL17	28434 0	TRUE	0.13	0.2206	0.43	0.027407
9503-1	NMS	NMS	Neuromedin-S	Q5H8A3	NMS	1	TRUE	0.12	0.1433	1.222	0.057685
9504-19	RB27A	RB27A	Ras-related protein Rab-27A	P51159	RAB27A	5873	TRUE	0.15	0.3354	0.614	0.074292
9506-10	Apo L1	Apo L1	Apolipoprotein L1	O14791	APOL1	8542	TRUE	0.06	0.1363	0.531	0.059205
9509-4	TM38B	TM38B	Trimeric intracellular cation channel type B	Q9NVV0	TMEM3	55151	TRUE	0.07	0.1642	2.585	0.079332
9513-9	FGF22	FGF22	Fibroblast growth factor 22	Q9HCT0	FGF22	27006	TRUE	0.11	0.11	0.528	0.091129

9514-46	K0494	K0494:C-term	EF-hand calcium-binding domain-containing protein 14:C-term	O75071	EFCAB14	9813	TRUE	0.11	0.2847	0.151	0.027842
9518-95	PLA1A	PLA1A	Phospholipase A1 member A	Q53H76	PLA1A	51365	TRUE	0.07	0.1634	1.034	0.072215
9522-3	AIF	AIF	Apoptosis-inducing factor 1, mitochondrial	O95831	AIFM1	9131	TRUE	0.08	0.1046	0.338	0.02562
9524-46	S31D4	S31D4	Putative spermatogenesis-associated protein 31D4	Q6ZUB0	SPATA31 D4	38976 1	TRUE	0.19	0.1829	0.298	0.021151
9526-3	COLL1	COLL1	Colipase-like protein 1	A2RUU4	CLPSL1	4	TRUE	0.07	0.34	0.252	0.07165
9531-24	LST1	LST1	Leukocyte-specific transcript 1 protein	O00453	LST1	7940	TRUE	0.13	0.149	0.327	0.0469
9536-16	EP3A	EP3A	Epididymal secretory protein E3-alpha	Q14507	EDDM3A	10876	TRUE	0.37	0.4525	0.337	0.080387
9543-131	COG8	COG8	Conserved oligomeric Golgi complex subunit 8	Q96MW5	COG8	84342	TRUE	0.1	0.1484	0.432	0.070225
9545-156	Granzyme K	Granzyme K	Granzyme K MANSC domain-containing protein 1	P49863	GZMK	3003	TRUE	0.1	0.1868	1.038	0.052523
9557-5	MANS1	MANS1	PRKC apoptosis WT1 regulator protein	Q9H8J5	MANSC1	54682	TRUE	0.1	0.1872	0.264	0.053134
9565-6	PAWR	PAWR	High affinity immunoglobulin alpha and immunoglobulin mu Fc receptor	Q96IZ0	PAWR	5074	TRUE	0.13	0.1523	0.791	0.060854
9568-289	FCAMR	FCAMR	Myc box-dependent-interacting protein 1	Q8WWV6	FCAMR	83953	TRUE	0.04	0.1253	1.394	0.112416
9574-11	BIN1	BIN1	Synaptotagmin-2 MANSC domain-containing protein 4	O00499	BIN1	274	TRUE	0.16	0.1762	1.014	0.107931
9577-26	SYT2	SYT2	Pre-mRNA-processing factor 6:region 2	Q8N9I0	SYT2	3	TRUE	0.13	0.1787	2.317	0.082463
9578-263	MANS4	MANS4	Sushi domain-containing protein 1	A6NHS7	MANSC4	7284	TRUE	0.21	0.1706	0.51	0.072485
9581-4	PRP6	PRP6	RING finger protein 24	O94906	PRPF6	24148	TRUE	0.3	0.2916	0.325	0.072161
9582-93	SUSD1	SUSD1	Cytochrome c oxidase subunit 7A-related protein, mitochondrial	Q6UWL2	SUSD1	64420	TRUE	0.15	0.0821	1.365	0.054356
9583-17	RNF24	RNF24	Zinc transporter 5	Q9Y225	RNF24	11237	TRUE	0.22	0.3133	0.397	0.042855
9590-10	COX7R	COX7R	Beta-1,4-galactosyltransferase 2	O14548	COX7A2 L	9167	TRUE	0.17	0.1997	1.467	0.065296
9594-30	ZNT5	ZNT5	CUB and sushi domain-containing protein 1	Q8TAD4	SLC30A5	64924	TRUE	0.09	0.1286	0.608	0.042519
9595-11	B4GT2	B4GT2	CUB and sushi domain-containing protein 1	O60909	B4GALT2	8704	TRUE	0.08	0.1151	0.165	0.048911
9598-23	CSMD1	CSMD1	CUB and sushi domain-containing protein 1	Q96PZ7	CSMD1	64478	TRUE	0.08	0.1384	0.173	0.088744

9599-6	PIANP	PIANP	PILR alpha-associated neural protein	Q8IYJ0	PIANP	0	TRUE	0.09	0.2135	0.413	0.0684	
9603-9	IL22RA1	IL22RA1	Interleukin-22 receptor subunit alpha-1	Q8N6P7	IL22RA1	58985	TRUE	0.08	0.0916	0.879	0.098245	
9606-4	P210L	P210L	Nuclear pore membrane glycoprotein 210-like	Q5VU65	L	91181	TRUE	0.34	0.2327	0.354	0.11815	
9607-39	CD040	CD040	Proline-rich protein 27	Q6MZM9	PRR27	7	TRUE	0.21	0.2556	0.196	0.055712	
9609-25	ZN275	ZN275	Zinc finger protein 275	Q9NSD4	ZNF275		TRUE	0.11	0.1053	0.576	0.092799	
9627-15	VITRN	VITRN	Vitrin	Q6UXI7	VIT	5212	TRUE	0.15	0.158	0.276	0.079611	
9713-67	PGFRL	PGFRL	Platelet-derived growth factor receptor-like protein	Q15198	PDGFRL	5157	TRUE	0.1	0.2227	1.435	0.079871	
9719-145	MMP-16	MMP-16	Matrix metalloproteinase-16	P51512	MMP16	4325	TRUE	0.14	0.1981	1.747	0.038674	
9723-105	EMILIN-3	EMILIN-3	Multimerin-2	Q9H8L6	MMRN2	79812	TRUE	0.18	0.3041	1.837	0.088429	
9728-4	CIP1	CIP1	E3 ubiquitin-protein ligase CCNB1IP1	Q9NPC3	1	57820	TRUE	0.09	0.1634	4.376	0.032416	
9735-44	TACT	TACT	T-cell surface protein tactile	P40200	CD96	10225	TRUE	0.15	0.159	0.181	0.03667	
9738-7	FAF2	FAF2	FAS-associated factor 2	Q96CS3	FAF2	23197	TRUE	0.14	0.1525	1.022	0.120274	
9739-4	MSH2	MSH2	DNA mismatch repair protein Msh2	P43246	MSH2	4436	TRUE	0.13	0.171	0.904	0.051906	
9742-59	BAT1	BAT1	Spliceosome RNA helicase DDX39B	Q13838	DDX39B	7919	TRUE	0.11	0.1358	0.507	0.039977	
9744-139	DNJA4	DNJA4	DnaJ homolog subfamily A member 4	Q8WW2	2	DNAJA4	55466	TRUE	0.11	0.1463	0.298	0.054135
9748-31	GSTM3-3	GSTM3-3	Glutathione S-transferase Mu 3	P21266	GSTM3	2947	TRUE	0.18	0.1622	1.296	0.033521	
9749-190	L-plastin	L-plastin	Plastin-2	P13796	LCP1	3936	TRUE	0.21	0.381	0.173	0.060579	
9750-7	S100A4	S100A4	Protein S100-A4	P26447	S100A4	6275	TRUE	0.11	0.1074	0.463	0.047959	
9751-72	NSEP1	NSEP1	Nuclease-sensitive element-binding protein 1	P67809	YBX1	4904	TRUE	0.08	0.0996	0.299	0.037406	
9753-17	Ezrin	Ezrin	Ezrin	P15311	EZR	7430	TRUE	0.07	3.1893	0.586	0.026281	
9754-33	Quinone reductase 2	Quinone reductase 2	Ribosylidihydronicotinamide dehydrogenase [quinone]	P16083	NQO2	4835	TRUE	0.09	0.1411	0.581	0.077252	
9756-6	TAGL	TAGL	Transgelin	Q01995	TAGLN	6876	TRUE	0.18	0.5664	0.351	0.066757	
9757-29	ENAH	ENAH	Protein enabled homolog	Q8N8S7	ENAH	55740	TRUE	0.11	0.2444	0.943	0.146817	

9758-17	RS4X	RS4X	40S ribosomal protein S4, X isoform	P62701	RPS4X	6191	TRUE	0.18	0.2748	0.674	0.087733
9760-13	JNK2	JNK2	Mitogen-activated protein kinase 9	P45984	MAPK9	5601	TRUE	0.06	0.1339	0.512	0.04111
9761-89	LDHA	LDHA	L-lactate dehydrogenase A chain	P00338	LDHA	3939	TRUE	0.26	4.678	0.391	0.037416
9762-14	VASP	VASP	Vasodilator-stimulated phosphoprotein	P50552	VASP	7408	TRUE	0.11	0.3072	0.718	0.088535
9764-79	HNRPF	HNRPF	Heterogeneous nuclear ribonucleoprotein F	P52597	HNRNPF	3185	TRUE	0.16	0.1672	0.642	0.075393
9768-5	IL-10 Ra	IL-10 Ra:CD	Interleukin-10 receptor subunit alpha: Cytoplasmic domain	Q13651	IL10RA	3587	TRUE	0.14	0.2209	0.682	0.060494
9769-48	DNER	DNER:EC	Interleukin-10 receptor: Extracellular domain	Q8NFT8	DNER	92737	TRUE	0.09	0.1844	0.225	0.042556
9772-153	NLGN2	NLGN2:EC	Neuroigin-2: Extracellular domain	Q8NFZ4	NLGN2	57555	TRUE	0.15	0.1085	0.234	0.02349
9778-45	TM52B	TM52B	Transmembrane protein 52B	Q4KMG9	TMEM52B	12093	TRUE	0.2	0.347	1.137	0.053647
9786-310	IEX1	IEX1	Radiation-inducible immediate-early gene IEX-1	P46695	IER3	8870	TRUE	0.11	0.1525	0.36	0.021022
9789-52	Nesprin-2	Nesprin-2	Nesprin-2	Q8WXH0	SYNE2	23224	TRUE	0.26	0.241	0.532	0.092904
9793-145	IGDC4	IGDC4	Immunoglobulin superfamily DCC subclass member 4	Q8TDY8	IGDCC4	57722	TRUE	0.14	0.131	0.285	0.085969
9794-17	ADCK4	ADCK4	AarF domain-containing protein kinase 4	Q96D53	COQ8B	79934	TRUE	0.12	0.078	0.378	0.034001
9796-4	CEL	CEL	Bile salt-activated lipase NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8,	P19835	CEL		TRUE	0.06	0.0972	0.622	0.063101
9800-20	NDUB8	NDUB8	mitochondrial	O95169	NDUFB8	4714	TRUE	0.09	0.2054	1.881	0.083311
9802-27	PLPL2	PLPL2	Patatin-like phospholipase domain-containing protein 2	Q96AD5	PNPLA2	57104	TRUE	0.07	0.1478	0.125	0.050938
9805-51	SEM4B	SEM4B	Semaphorin-4B	Q9NPR2	SEMA4B	10509	TRUE	0.07	0.122	0.241	0.049004
9808-41	TNR6B	TNR6B	Trinucleotide repeat-containing gene 6B protein	Q9UPQ9	TNRC6B	23112	TRUE	0.08	0.1467	0.285	0.02802

9815-5	RHG01	RHG01:C RAL- TRIO	Rho GTPase-activating protein 1:Cellular retinaldehyde-TRIO domain	Q07960	ARHGAP 1	392	TRUE	0.12	0.191	0.375	0.089311
9816-37	ISOC1	ISOC1	Isochorismatase domain- containing protein 1	Q96CN7	ISOC1	51015	TRUE	0.08	0.1504	0.586	0.057632
9823-2	DYR	DYR	Dihydrofolate reductase	P00374	DHFR	1719	TRUE	0.14	0.2616	0.207	0.030552
9826-135	Fragile histidine triad protein	Fragile histidine triad protein	Bis(5'-adenosyl)- triphosphatase	P49789	FHIT	2272	TRUE	0.09	0.1567	0.671	0.082358
9830-109	VAV3	VAV3	Guanine nucleotide exchange factor VAV3	Q9UKW4	VAV3	10451	TRUE	0.1	0.1323	0.315	0.046207
9831-12	G3BP2	G3BP2	Ras GTPase-activating protein-binding protein 2	Q9UN86	G3BP2	9908	TRUE	0.12	0.1584	0.816	0.078041
9832-33	HGD	HGD	Homogentisate 1,2- dioxygenase	Q93099	HGD	3081	TRUE	0.15	0.1718	0.781	0.059168
9834-62	ADH1B	ADH1B	Alcohol dehydrogenase 1B	P00325	ADH1B	125	TRUE	0.08	0.1147	0.262	0.037896
9835-16	AL1A3	AL1A3	Aldehyde dehydrogenase family 1 member A3	P47895	ALDH1A 3	220	TRUE	0.11	0.0649	0.594	0.059164
9836-20	DCK	DCK	Deoxycytidine kinase	P27707	DCK	1633	TRUE	0.14	0.2356	0.091	0.041129
9838-4	SMAD1	SMAD1	Mothers against decapentaplegic homolog 1	Q15797	SMAD1	4086	TRUE	0.08	0.1571	0.356	0.038554
9841-197	Multifunc tional protein ADE2	Multifun ctional protein ADE2	Multifunctional protein ADE2	P22234	PAICS	10606	TRUE	0.17	0.2025	0.285	0.077406
9842-2	b-Catenin	Catenin	Catenin beta-1	P35222	CTNNB1	1499	TRUE	0.06	0.1584	1.371	0.060426
9844-138	ACTN2	ACTN2	Alpha-actinin-2	P35609	ACTN2	88	TRUE	0.07	0.1863	1.54	0.076004
9845-33	PARK7	PARK7	Protein DJ-1	Q99497	PARK7	11315	TRUE	0.07	0.2606	0.447	0.06135
9846-32	Rho-GDI beta	Rho-GDI beta	Rho GDP-dissociation inhibitor 2	P52566	ARHGDI B	397	TRUE	0.08	2.4022	0.85	0.075514
9847-21	TGIF2	TGIF2	Homeobox protein TGIF2	Q9GZN2	TGIF2	60436	TRUE	0.05	0.1107	2.944	0.020387
9848-22	Cyclin H	Cyclin H	Cyclin-H	P51946	CCNH	902	TRUE	0.11	0.1895	0.464	0.065556
9849-13	APEX1	APEX1	DNA-(apurinic or apyrimidinic site) lyase	P27695	APEX1	328	TRUE	0.11	0.225	0.625	0.075627

9853-3	IFIT2	IFIT2	2	P09913	IFIT2	3433	TRUE	0.17	0.2099	0.42	0.046685
9854-36	Aldose reductase	Aldose reductase	Aldose reductase	P15121	AKR1B1	231	TRUE	0.1	0.2318	0.447	0.096063
9855-10	Rho A	Rho A	RhoA	P61586	RHOA	387	TRUE	0.13	2.6833	0.779	0.083033
9857-38	IRF4	IRF4	Interferon regulatory factor 4	Q15306	IRF4	3662	TRUE	0.08	0.1156	0.448	0.040749
9859-180	SSAT-1	SSAT-1	Diamine acetyltransferase 1	P21673	SAT1	6303	TRUE	0.11	0.1236	0.494	0.048929
9864-38	TTC1	TTC1	Tetratricopeptide repeat protein 1	Q99614	TTC1	7265	TRUE	0.56	0.6925	1.057	0.023721
9867-23	F16P2	F16P2	Fructose-1,6-bisphosphatase isozyme 2	O00757	FBP2	8789	TRUE	0.12	0.205	0.25	0.054397
9869-28	NF-kappa-B p105	kappa-B p105	Nuclear factor NF-kappa-B p105 subunit	P19838	NFKB1	4790	TRUE	0.07	0.1022	0.963	0.08647
9870-17	SYWC	SYWC	Tryptophan--tRNA ligase, cytoplasmic	P23381	WARS1	7453	TRUE	0.29	0.5592	0.173	0.071333
9872-23	CTNA2	CTNA2	Catenin alpha-2	P26232	CTNNA2	1496	TRUE	0.11	0.1389	0.345	0.016866
9873-17	ERRalpha	ERRalpha	Steroid hormone receptor	P11474	ESRRA	2101	TRUE	0.09	0.1934	0.728	0.042211
9874-28	p15-INK4b	p15-INK4b	Cyclin-dependent kinase 4 inhibitor B	P42772	CDKN2B	1030	TRUE	0.15	0.263	1.099	0.074898
9876-20	aldolase C	aldolase C	Fructose-bisphosphate aldolase C	P09972	ALDOC	230	TRUE	0.09	1.4014	0.352	0.091467
9877-28	CRKL	CRKL	Crk-like protein	P46109	CRKL	1399	TRUE	0.13	1.7703	0.831	0.037675
9878-33	SULT 1E2	SULT 1E2	Estrogen sulfotransferase	P49888	SULT1E1	6783	TRUE	0.14	0.1046	0.13	0.050787
9880-29	T230	T230	Tryptophan 2,3-dioxygenase	P48775	TDO2	6999	TRUE	0.19	0.344	0.347	0.055012
9883-29	Glyoxalase I	Glyoxalase I	Lactoylglutathione lyase	Q04760	GLO1	2739	TRUE	0.2	0.3991	0.394	0.037684
9884-8	PPIL1	PPIL1	Peptidyl-prolyl cis-trans isomerase-like 1	Q9Y3C6	PPIL1	51645	TRUE	0.1	0.1344	0.407	0.024941
9885-41	RAP2A	RAP2A	Ras-related protein Rap-2a	P10114	RAP2A	5911	TRUE	0.1	0.1742	2.729	0.059917
9886-28	XRCC4	XRCC4	DNA repair protein XRCC4	Q13426	XRCC4	7518	TRUE	0.1	0.1666	0.339	0.025554
9887-40	RBBP6	RBBP6	E3 ubiquitin-protein ligase RBBP6	Q7Z6E9	RBBP6	5930	TRUE	0.15	0.188	0.179	0.055366
9890-8	Tropomyosin alpha-3 chain	Tropomyosin alpha-3 chain	Tropomyosin alpha-3 chain	P06753	TPM3	7170	TRUE	0.14	0.2387	0.171	0.076689

			E3 ubiquitin-protein ligase									
9957-9	RN114	RN114	RNF114	Q9Y508	RNF114	55905	TRUE	0.09	0.1496	0.366	0.053697	
9959-60	TM59L	TM59L	Transmembrane protein 59-like	Q9UK28	TMEM59L	25789	TRUE	0.16	0.2124	0.122	0.049784	
9962-1	MUCDL	MUCDL	Cadherin-related family member 5	Q9HBB8	CDHR5	53841	TRUE	0.15	0.1981	0.211	0.039142	
9963-19	PCDBA	PCDBA	Protocadherin beta-10	Q9UN67	PCDHB1	0	TRUE	0.1	0.1395	0.271	0.039456	
9964-10	MYZAP	MYZAP	Myocardial zonula adherens protein	P0CAP1	MYZAP	0829	TRUE	0.08	0.1354	1.727	0.053752	
9969-8	S22AG	S22AG	Solute carrier family 22 member 16	Q86VW1	SLC22A1	6	TRUE	0.23	0.4836	0.243	0.053886	
9971-5	CSMD2	CSMD2	CUB and sushi domain-containing protein 2	Q7Z408	CSMD2	4	TRUE	0.07	0.1478	0.208	0.032344	
9979-13	AMGO1	AMGO1:CD	Amphoterin-induced protein 1:Cytoplasmic domain	Q86WK6	AMIGO1	57463	TRUE	0.15	0.1665	1.391	0.050296	
9983-97	PRS35	PRS35	Inactive serine protease 35	Q8N3Z0	PRSS35	1	TRUE	0.12	0.1951	0.179	0.108583	
9984-12	YIPF6	YIPF6	Protein YIPF6	Q96EC8	YIPF6	1	TRUE	0.12	0.2397	0.133	0.066559	
9986-14	Neuropeptide W	Neuropeptide W	Neuropeptide W	Q8N729	NPW	9	TRUE	0.1	0.1775	0.749	0.06189	
9987-30	LRC25	LRC25:C	Leucine-rich repeat-containing protein 25:Cytoplasmic domain	Q8N386	LRRC25	4	TRUE	0.14	0.2096	0.188	0.040275	
9991-112	EMIL3	EMIL3:region 2	EMILIN-3:region 2	Q9NT22	EMILIN3	90187	TRUE	0.09	0.1552	1.93	0.028188	
9993-11	ZN264	ZN264	Zinc finger protein 264	O43296	ZNF264	9422	TRUE	0.12	0.1259	0.147	0.046147	
9994-217	ATP4B	ATP4B	Potassium-transporting ATPase subunit beta	P51164	ATP4B	496	TRUE	0.13	0.0965	4.771	0.041288	
9995-6	DUT	DUT	Deoxyuridine 5'-triphosphate nucleotidohydrolase, mitochondrial	P33316	DUT	1854	TRUE	0.09	0.2605	2.086	0.035132	
9997-12	UBXN4	UBXN4:CD 1	UBX domain-containing protein 4:Cytoplasmic domain 1	Q92575	UBXN4	23190	TRUE	0.11	0.139	0.853	0.026031	
9999-1	IRF6	IRF6	Interferon regulatory factor 6	O14896	IRF6	3664	TRUE	0.19	0.2177	0.756	0.078692	
10003-15	ZNF41	ZNF41	Zinc finger protein 41	P51814	ZNF41	7592	TRUE	0.22	0.1978	0.338	0.602024	
10022-207	POLH	POLH	DNA polymerase eta	Q9Y253	POLH	5429	TRUE	0.14	0.1212	1.365	0.291153	
10024-44	HOGA1	HOGA1	4-hydroxy-2-oxoglutarate aldolase, mitochondrial	Q86XE5	HOGA1	7	TRUE	0.66	0.2592	1.839	0.3793	

10030-8	MutY homolog	MutY homolog	Adenine DNA glycosylase	Q9UIF7	MUTYH	4595	TRUE	0.08	0.1017	0.936	0.283957	
10037-98	SIG12	SIG12	Sialic acid-binding lectin 12: Ig-like type 2 domain, Isoform long	Q96PQ1	SIGLEC1	2	89858	TRUE	0.13	0.1716	2.42	0.395147
10043-31	BRD4	BRD4	Bromodomain-containing protein 4	O60885	BRD4	23476	TRUE	0.11	0.1006	0.208	0.338902	
10049-112	TERF1	TERF1	Telomeric repeat-binding factor 1	P54274	TERF1	7013	TRUE	0.07	0.0657	0.434	0.410458	
10078-5	BAG3	BAG3	BAG family molecular chaperone regulator 3	O95817	BAG3	9531	TRUE	0.11	0.1277	0.837	0.374967	
10425-3	B4GT5	B4GT5	Beta-1,4-galactosyltransferase 5	O43286	B4GALT5	9334	TRUE	0.09	0.1148	0.094	0.085063	
10430-31	4F2	4F2:CD	4F2 cell-surface antigen heavy chain: Cytoplasmic domain	P08195	SLC3A2	6520	TRUE	0.16	0.1647	0.281	0.097983	
10454-99	DJC16	DJC16	DnaJ homolog subfamily C member 16	Q9Y2G8	DNAJC1	6	23341	TRUE	0.15	0.1255	1.052	0.605815
10473-2	Trefoil factor 2	Trefoil factor 2	Trefoil factor 2	Q03403	TFF2	7032	TRUE	0.1	0.0821	8.419	0.463738	
10480-33	CD59	CD59	CD59 glycoprotein	P13987	CD59	966	TRUE	0.13	0.1419	0.349	0.089633	
10528-2	DPEP1	DPEP1	Dipeptidase 1	P16444	DPEP1	1800	TRUE	0.13	0.1488	0.331	0.500306	
10534-40	PARP	PARP:BRCT domain	Poly [ADP-ribose] polymerase 1: BRCA1 C-terminal: BRCA1 C-terminus domain	P09874	PARP1	142	TRUE	0.13	0.2059	0.21	0.214477	
10571-14	MGAT1	MGAT1	Alpha-1,3-mannosylglycoprotein 2-beta-N-acetylglucosaminyltransferase	P26572	MGAT1	4245	TRUE	0.09	0.1371	0.91	0.451975	
10583-1	TM108	TM108	Transmembrane protein 108	Q6UXF1	TMEM108	66000	TRUE	0.08	0.1341	4.273	0.424653	
10588-39	SIAT9	SIAT9	Lactosylceramide alpha-2,3-sialyltransferase	Q9UNP4	ST3GAL5	8869	TRUE	0.09	0.1513	0.693	0.45663	
10605-22	APMAP	APMAP	Adipocyte plasma membrane-associated protein	Q9HDC9	APMAP	57136	TRUE	0.11	0.1323	1.124	0.226439	
10631-9	PGRC2	PGRC2	Membrane-associated progesterone receptor component 2	O15173	PGRMC2	10424	TRUE	0.23	0.2727	0.153	0.07327	
10663-42	INSI1	INSI1	Insulin-induced gene 1 protein	O15503	INSIG1	3638	TRUE	0.13	0.1145	0.925	0.386109	
10667-78	CA185	CA185	Uncharacterized protein C1orf185	Q5T7R7	C1orf18	28454	TRUE	0.13	0.1271	0.165	0.497916	

10675-223	TMX2	TMX2	Thioredoxin-related transmembrane protein 2	Q9Y320	TMX2	51075	TRUE	0.24	0.4992	0.584	0.480728
10695-12	WF10B	WF10B	Protein WFDC10B	Q8IUB3	WFDC10B	28066	TRUE	0.16	0.0886	0.391	0.548682
10710-23	ZPBP2	ZPBP2	Zona pellucida-binding protein 2	Q6X784	ZPBP2	12462	TRUE	0.1	0.1098	1.034	0.45638
10714-7	ACE	ACE	Angiotensin-converting enzyme	P12821	ACE	1636	TRUE	0.15	0.1837	1.167	0.350708
10815-2	HABP4	HABP4	Intracellular hyaluronan-binding protein 4	Q5JVS0	HABP4	22927	TRUE	0.09	0.1084	0.251	0.237537
10827-67	LIGO3	LIGO3	Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 3	P0C6S8	LINGO3	64519	TRUE	0.09	0.1283	0.394	0.477617
10830-5	K0494	K0494:N-term	EF-hand calcium-binding domain-containing protein 14:N-term	O75071	EFCAB14	9813	TRUE	0.09	0.1693	0.494	0.56329
10833-64	HHIP	HHIP	Hedgehog-interacting protein	Q96QV1	HHIP	64399	TRUE	0.15	0.1788	0.492	0.427447
10890-135	LCTL	LCTL	Lactase-like protein	Q6UWM7	LCTL	19702	TRUE	0.09	0.1653	0.124	0.085672
10894-25	Secretagogen	Secretagogen	Secretagogen	O76038	SCGN	10590	TRUE	0.21	0.2247	1.056	0.386659
10902-53	APRV1	APRV1	Retroviral-like aspartic protease 1	Q53RT3	ASPRV1	15151	TRUE	0.68	6.1593	0.408	0.450566
11112-18	KISHA	KISHA	Protein kish-A	Q8TBQ9	TMEM167A	15333	TRUE	0.11	0.0895	1.4	0.13126
11130-158	CACB4	CACB4	Voltage-dependent L-type calcium channel subunit beta-4	O00305	CACNB4	785	TRUE	0.08	0.159	4.438	0.144143
11135-5	RM55	RM55	39S ribosomal protein L55, mitochondrial	Q7Z7F7	MRPL55	12830	TRUE	0.21	0.2166	0.68	0.417936
11149-3	TLR1	TLR1:CD1	Toll-like receptor 1:Cytoplasmic domain	Q15399	TLR1	7096	TRUE	0.13	0.1266	0.17	0.120367
11161-5	SPG20	SPG20	Spartin	Q8N0X7	SPART	23111	TRUE	0.13	0.1845	1.358	0.106956
11201-19	TRUA	TRUA	tRNA pseudouridine synthase A, mitochondrial	Q9Y606	PUS1	80324	TRUE	0.21	0.5179	0.225	0.252909
11202-70	TBX5	TBX5	T-box transcription factor TBX5	Q99593	TBX5	6910	TRUE	0.12	0.1785	0.195	0.048427
11242-33	TGM1	TGM1	Protein-glutamine gamma-glutamyltransferase K	P22735	TGM1	7051	TRUE	0.13	0.1855	0.727	0.12887
11262-39	TRABD	TRABD	TraB domain-containing protein	Q9H4I3	TRABD	80305	TRUE	0.14	0.1647	1.79	0.254379
11273-176	GSTT2	GSTT2	Glutathione S-transferase theta-2B	P0CG30	GSTT2B	65368	TRUE	0.09	0.1514	0.299	0.324324

11279-42	GABR1	GABR1	Gamma-aminobutyric acid type B receptor subunit 1	Q9UBS5	GABBR1	2550	TRUE	0.09	0.1169	0.898	0.22721
11289-31	KC1D	KC1D	Casein kinase I isoform delta	P48730	CSNK1D	1453	TRUE	0.1	0.1368	0.147	0.068197
11324-3	PXDNL	PXDNL	Peroxidasin-like protein U6 snRNA	A1KZ92	PXDNL	2	TRUE	0.13	0.0944	0.542	0.366714
11328-9	USB1	USB1	phosphodiesterase	Q9BQ65	USB1	79650	TRUE	0.08	0.1176	1.337	0.310188
11330-15	CSK2B	CSK2B	Casein kinase II subunit beta	P67870	CSNK2B	1460	TRUE	0.08	0.1172	1.057	0.089473
11336-9	FANCF	FANCF	Fanconi anemia group F protein	Q9NPI8	FANCF	2188	TRUE	0.09	0.1427	0.221	0.232189
11351-233	NHEJ1	NHEJ1	Non-homologous end-joining factor 1	Q9H9Q4	NHEJ1	79840	TRUE	0.09	0.1693	0.301	0.616978
11365-17	TEN4	TEN4	Teneurin-4 72 kDa inositol polyphosphate 5-phosphatase	Q6N022	TENM4	26011	TRUE	0.08	0.1067	0.284	0.242387
11370-20	INP5E	INP5E	Probable G-protein coupled receptor 101	Q9NRR6	INPP5E	56623	TRUE	0.11	0.141	0.181	0.300781
11371-1	GP101	GP101	Carbonic Anhydrase VIII	Q96P66	GPR101	83550	TRUE	0.12	0.1699	6.494	0.165673
11390-24	Anhydrase VIII	Carbonic Anhydrase VIII	Carbonic anhydrase-related protein	P35219	CA8	767	TRUE	0.11	0.1356	0.562	0.147382
11402-17	KMT2C	KMT2C	Histone-lysine N-methyltransferase 2C	Q8NEZ4	KMT2C	58508	TRUE	0.09	0.1944	0.535	0.460015
11407-57	PLS3	PLS3	Phospholipid scramblase 3	Q9NRY6	PLSCR3	57048	TRUE	0.12	0.0989	0.458	0.10391
11444-49	RPC6	RPC6	DNA-directed RNA polymerase III subunit RPC6	Q9H1D9	POLR3F	10621	TRUE	0.15	0.0778	0.216	0.047598
11480-1	Aldehyde dehydrogenase, class 3	Aldehyde dehydrogenase, class 3	Aldehyde dehydrogenase, dimeric NADP-preferring	P30838	ALDH3A1	218	TRUE	0.07	0.1959	0.511	0.316557
11540-37	FOXO3A	FOXO3A	Forkhead box protein O3 LIM domain and actin-binding protein 1	O43524	FOXO3	2309	TRUE	0.11	0.1379	0.265	0.118929
11543-84	LIMA1	LIMA1	Cytoglobin	Q9UHB6	LIMA1	51474	TRUE	0.14	0.5242	0.296	0.106768
11546-7	CYGB	CYGB	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1-related	Q8WWM9	CYGB	11475	TRUE	0.1	0.1564	0.383	0.219607
11551-16	HM20B	HM20B	Zinc finger protein 23	Q9P0W2	HMG20B	10362	TRUE	0.13	0.1212	4.739	0.072101
11565-58	ZNF23	ZNF23		P17027	ZNF23	7571	TRUE	0.09	0.0847	0.886	0.102474

11566-48	Keratin 72	Keratin 72	Keratin, type II cytoskeletal protein 72	Q14CN4	KRT72	7	14080	TRUE	0.11	0.12	0.31	0.300042
11570-94	BAP29	BAP29	B-cell receptor-associated protein 29	Q9UHQ4	BCAP29	55973	TRUE	0.12	0.1201	2.296	0.223606	
11596-47	ZN75D	ZN75D	Zinc finger protein 75D	P51815	ZNF75D	7626	TRUE	0.09	0.1049	0.135	0.107392	
11618-83	MYB	MYB	Myb	P10242	MYB	4602	TRUE	0.18	0.2537	0.141	0.261947	
11645-9	P4HA1	P4HA1	Prolyl 4-hydroxylase subunit alpha-1	P13674	P4HA1	5033	TRUE	0.1	0.1573	0.417	0.274213	
11651-24	AGO1	AGO1	Protein argonaute-1	Q9UL18	AGO1	26523	TRUE	0.09	0.0996	0.193	0.043955	
11667-29	TENC1	TENC1	Tensin-2	Q63HR2	TNS2	23371	TRUE	0.07	0.1234	0.169	0.111986	
11669-39	SO5A1	SO5A1	Solute carrier organic anion transporter family member 5A1	Q9H2Y9	SLCO5A1	81796	TRUE	0.09	0.2826	0.321	0.264083	
11677-17	ZDH14	ZDH14	Probable palmitoyltransferase ZDHHC14	Q8IZN3	ZDHHC14	4	79683	TRUE	0.18	0.2612	0.629	0.404134
11715-1	PO2F1	PO2F1	POU domain, class 2, transcription factor 1	P14859	POU2F1	5451	TRUE	0.12	0.1082	1.705	0.277805	
11837-7	GITR	GITR	Tumor necrosis factor receptor superfamily member 18	Q9Y5U5	TNFRSF18	8	8784	TRUE	0.12	0.1587	1.47	0.048874
11911-13	LRC4B	LRC4B:C4B	Leucine-rich repeat-containing protein 4B: Cytoplasmic domain	Q9NT99	LRRC4B	94030	TRUE	0.13	0.1375	0.546	0.142917	
11952-1	IGDC3	IGDC3:C3	Immunoglobulin superfamily DCC subclass member 3: Cytoplasmic domain	Q8IVU1	IGDCC3	9543	TRUE	0.09	0.1018	0.322	0.219854	
11988-24	PTPRH	PTPRH	Receptor-type tyrosine-protein phosphatase H	Q9HD43	PTPRH	5794	TRUE	0.13	0.1214	0.229	0.334559	
12014-19	PTPS	PTPS	6-pyruvoyl tetrahydrobiopterin synthase	Q03393	PTS	5805	TRUE	0.09	0.1982	0.196	0.261097	
12018-84	TPK1	TPK1	Thiamin pyrophosphokinase 1	Q9H3S4	TPK1	27010	TRUE	0.07	0.1743	0.181	0.078041	
12020-39	PMGE	PMGE	Bisphosphoglycerate mutase	P07738	BPGM	669	TRUE	0.11	0.5565	0.302	0.059126	
12022-12	SMAD4	SMAD4	Mothers against decapentaplegic homolog 4	Q13485	SMAD4	4089	TRUE	0.12	0.2367	0.504	0.604292	
12329-21	KS6A1	KS6A1	Ribosomal protein S6 kinase alpha-1	Q15418	RPS6KA1	6195	TRUE	0.2	0.194	0.421	0.44454	
12367-52	MACO1	MACO1	Macoilin	Q8N5G2	MACO1	55219	TRUE	0.1	0.1483	0.527	0.068245	
12394-53	CP054	CP054	Transmembrane protein C16orf54	Q6UWD8	C16orf54	4	7	TRUE	0.12	0.1254	0.467	0.467628
12422-143	LX15B	LX15B	Arachidonate 15-lipoxygenase B	O15296	ALOX15B	B	247	TRUE	0.19	0.5058	2.609	0.334339

12437-18	ULK3	ULK3	Serine/threonine-protein kinase ULK3	Q6PHR2	ULK3	25989	TRUE	0.09	0.2124	0.15	0.270997
12439-67	ISGF3	ISGF3	Interferon regulatory factor 9	Q00978	IRF9	10379	TRUE	0.06	0.1569	0.373	0.720617
12444-39	NR5A2	NR5A2	Nuclear receptor subfamily 5 group A member 2	O00482	NR5A2	2494	TRUE	0.08	0.1136	0.281	0.082657
12453-161	NXF1	NXF1	Nuclear RNA export factor 1	Q9UBU9	NXF1	10482	TRUE	0.08	0.1471	0.267	0.655046
12454-105	NTM1A	NTM1A	N-terminal Xaa-Pro-Lys N-methyltransferase 1	Q9BV86	NTMT1	28989	TRUE	0.08	0.1535	1.321	0.264909
12531-5	ERVV1	ERVV1	Endogenous retrovirus group V member 1 Env polyprotein	B6SEH8	ERVV-1	14766 4	TRUE	0.2	0.5315	0.652	0.392042
12534-10	CACO2	CACO2	Calcium-binding and coiled-coil domain-containing protein 2	Q13137	CALCOC O2	10241	TRUE	0.09	0.1571	0.104	0.169805
12543-76	ZN560	ZN560	Zinc finger protein 560	Q96MR9	ZNF560	14774 1	TRUE	0.07	0.1106	2.195	0.283899
12562-1	PKN1	PKN1	Serine/threonine-protein kinase N1	Q16512	PKN1	5585	TRUE	0.09	0.2295	0.204	0.21186
12568-14	KEAP1	KEAP1	Kelch-like ECH-associated protein 1	Q14145	KEAP1	9817	TRUE	0.28	0.1819	0.205	0.047024
12585-39	ERCC1	ERCC1	DNA excision repair protein ERCC-1	P07992	ERCC1	2067	TRUE	0.17	0.1187	1.465	0.34026
12616-45	NRBP	NRBP	Nuclear receptor-binding protein	Q9UHY1	NRBP1	29959	TRUE	0.18	0.4312	0.962	0.39967
12622-96	ASH1L	ASH1L	Histone-lysine N-methyltransferase ASH1L	Q9NR48	ASH1L	55870	TRUE	0.13	0.1386	0.324	0.200064
12625-138	KLHL7	KLHL7	Kelch-like protein 7	Q8IXQ5	KLHL7	55975	TRUE	0.29	0.687	0.255	0.119338
12626-6	SEN7	SEN7	Sentrin-specific protease 7	Q9BQF6	SEN7	57337	TRUE	0.17	0.1062	0.278	0.065719
12636-113	SMYD2	SMYD2	N-lysine methyltransferase SMYD2	Q9NRG4	SMYD2	56950	TRUE	0.09	0.108	0.306	0.260806
12653-13	CSNK1G2	CSNK1G2	Casein kinase I isoform gamma-2	P78368	CSNK1G2	1455	TRUE	0.12	0.1994	0.233	0.112868
12665-16	ILF2	ILF2	Interleukin enhancer-binding factor 2	Q12905	ILF2	3608	TRUE	0.08	0.3016	0.941	0.18356
12686-15	THTM	THTM	3-mercaptopyruvate sulfurtransferase	P25325	MPST	4357	TRUE	0.1	0.2108	0.199	0.086699
12688-115	KS6A6	KS6A6	Ribosomal protein S6 kinase alpha-6	Q9UK32	RPS6KA6	27330	TRUE	0.17	0.3149	0.252	0.259176
12695-62	KLH12	KLH12	Kelch-like protein 12	Q53G59	KLHL12	59349	TRUE	0.11	0.1006	0.817	0.150875
12708-91	LMBL2	LMBL2	Lethal(3)malignant brain tumor-like protein 2	Q969R5	L3MBTL2	83746	TRUE	0.08	0.1768	0.318	0.071672
12712-9	HM20A	HM20A	High mobility group protein 20A	Q9NP66	HMG20A	10363	TRUE	0.12	0.1672	0.141	0.107737

12717-65	TOX3	TOX3	TOX high mobility group box family member 3	O15405	TOX3	27324	TRUE	0.08	0.1733	0.206	0.139806
12726-3	RFXAP	RFXAP	Regulatory factor X-associated protein Pleckstrin homology domain-containing family A member 7	O00287	RFXAP	5994	TRUE	0.07	0.1071	0.302	0.211403
12731-12	PKHA7	PKHA7		Q6IQ23	PLEKHA7	14410	TRUE	0.11	0.1117	0.259	0.08002
12734-112	KIF22	KIF22	Kinesin-like protein KIF22	Q14807	KIF22	3835	TRUE	0.08	0.122	0.196	0.042063
12743-18	BAG5	BAG5	BAG family molecular chaperone regulator 5	Q9UL15	BAG5	9529	TRUE	0.08	0.1054	0.138	0.306374
12753-6	APBB2	APBB2:P ID 1	Amyloid beta A4 precursor protein-binding family B member 2:Phosphotyrosine Interaction Domain 1	Q92870	APBB2	323	TRUE	0.07	0.1559	4.422	0.542981
12760-34	ZN774	ZN774	Zinc finger protein 774	Q6NX45	ZNF774	34213	TRUE	0.12	0.1733	0.19	0.480013
12771-19	ZN180	ZN180	Zinc finger protein 180	Q9UJW8	ZNF180	7733	TRUE	0.07	0.091	0.561	0.285081
12785-49	KAISO	KAISO	Transcriptional regulator Kaiso	Q86T24	ZBTB33	10009	TRUE	0.09	0.1139	4.44	0.499714
12788-6	SGF29	SGF29	SAGA-associated factor 29 homolog	Q96ES7	SGF29	11286	TRUE	0.08	0.1664	0.23	0.273243
12794-6	NALP4	NALP4	NACHT, LRR and PYD domains-containing protein 4	Q96MN2	NLRP4	14794	TRUE	0.09	0.1419	0.147	0.110705
12796-44	NUDT3	NUDT3	Diphosphoinositol polyphosphate phosphohydrolase 1	O95989	NUDT3	11165	TRUE	0.21	0.2256	0.455	0.420764
12803-9	ZN329	ZN329	Zinc finger protein 329	Q86UD4	ZNF329	79673	TRUE	0.1	0.1452	0.16	0.45811
12814-17	RBM40	RBM40	RNA-binding protein 40	Q96LT9	RNPC3	55599	TRUE	0.1	0.1567	0.664	0.118789
12822-34	APBB1	APBB1:P ID 1	Amyloid beta A4 precursor protein-binding family B member 1:Phosphotyrosine Interaction Domain 1	O00213	APBB1	322	TRUE	0.13	0.2175	0.887	0.097661
12835-101	PYDC1	PYDC1	Pyrin domain-containing protein 1	Q8WXC3	PYDC1	26043	TRUE	0.12	0.2502	3.722	0.339531
12843-6	ZN410	ZN410	Zinc finger protein 410	Q86VK4	ZNF410	57862	TRUE	0.1	0.1147	3.326	0.370232
12844-10	BAG4	BAG4	BAG family molecular chaperone regulator 4	O95429	BAG4	9530	TRUE	0.19	0.169	0.186	0.485189
12862-14	CASL	CASL	Enhancer of filamentation 1	Q14511	NEDD9	4739	TRUE	0.1	0.1551	0.137	0.414398

12872-35	CNGA2	CNGA2	Cyclic nucleotide-gated olfactory channel	Q16280	CNGA2	1260	TRUE	0.09	0.1688	0.414	0.514627
12875-28	UBTD2	UBTD2	Ubiquitin domain-containing protein 2	Q8WUN7	UBTD2	92181	TRUE	0.07	0.1172	0.152	0.319296
12879-5	p107	p107	Retinoblastoma-like protein 1	P28749	RBL1	5933	TRUE	0.08	0.0872	0.38	0.288728
12892-10	SYTL1	SYTL1	Synaptotagmin-like protein 1	Q8IYJ3	SYTL1	84958	TRUE	0.14	0.1795	0.21	0.272071
12904-180	cubilin	cubilin	cubilin	O60494	CUBN	8029	TRUE	0.22	0.3449	0.235	0.5832
12925-105	AXIN2	AXIN2	Axin-2	Q9Y2T1	AXIN2	8313	TRUE	0.4	0.7529	0.353	0.375911
13027-20	CBX7	CBX7	Chromobox protein homolog 7	O95931	CBX7	23492	TRUE	0.08	0.1135	0.777	0.045827
13043-157	ATAD2	ATAD2	ATPase family AAA domain-containing protein 2	Q6PL18	ATAD2	29028	TRUE	0.17	0.2908	2.617	0.356367
13056-18	S6A16	S6A16	Orphan sodium- and chloride-dependent neurotransmitter transporter NTT5	Q9GZN6	SLC6A16	28968	TRUE	0.09	0.124	0.561	0.531965
13240-170	SHAN1	SHAN1	SH3 and multiple ankyrin repeat domains protein 1	Q9Y566	SHANK1	50944	TRUE	0.13	0.1434	1.116	0.201573
13386-248	RNF34	RNF34	E3 ubiquitin-protein ligase RNF34	Q969K3	RNF34	80196	TRUE	0.14	0.196	0.462	0.462488
13412-5	WFDC6	WFDC6	WAP four-disulfide core domain protein 6	Q9BQY6	WFDC6	0	TRUE	0.11	0.105	1.381	0.309545
13459-30	CI167	CI167	Torsin-4A	Q9NXH8	TOR4A	54863	TRUE	0.11	0.1158	0.216	0.346124
13464-8	NRAC	NRAC	Nutritionally-regulated adipose and cardiac enriched protein homolog	Q8N912	NRAC	8	TRUE	0.07	0.1571	0.168	0.331047
13487-24	UN93B	UN93B	Protein unc-93 homolog B1	Q9H1C4	UNC93B	1	TRUE	0.09	0.0931	1.934	0.434145
13494-6	CERS5	CERS5	Ceramide synthase 5	Q8N5B7	CERS5	91012	TRUE	0.09	0.1871	0.167	0.549212
13513-174	PIAS3	PIAS3	E3 SUMO-protein ligase PIAS3	Q9Y6X2	PIAS3	10401	TRUE	0.1	0.1325	0.123	0.184323
13526-5	LA	LA:RRM	Lupus La protein:RNA recognition motif	P05455	SSB	6741	TRUE	0.09	0.2467	0.367	0.845033
13530-5	UR2R	UR2R	Urotensin-2 receptor	Q9UKP6	UTS2R	2837	TRUE	0.16	0.1445	0.399	0.188225
13536-56	POLI	POLI	DNA polymerase iota	Q9UNA4	POLI	11201	TRUE	0.12	0.1322	0.666	0.457617
13556-28	5HT2A	5HT2A	5-hydroxytryptamine receptor 2A	P28223	HTR2A	3356	TRUE	0.11	0.1677	0.278	0.356446
13563-259	ACBD7	ACBD7	Acyl-CoA-binding domain-containing protein 7	Q8N6N7	ACBD7	9	TRUE	0.12	0.1266	3.938	0.117874

13570-43	VIGLN	VIGLN	Vigilin	Q00341	HDLBP	3069	TRUE	0.17	0.1279	1.208	0.1136
13612-7	CYTIP	CYTIP	Cytohesin-interacting protein	O60759	CYTIP	9595	TRUE	0.12	0.1596	1.224	0.358748
13639-101	USO1	USO1	General vesicular transport factor p115	O60763	USO1	8615	TRUE	0.11	0.2094	0.61	0.4912
13640-5	BCL6	BCL6	B-cell lymphoma 6 protein Interferon-induced protein with tetratricopeptide repeats	P41182	BCL6	604	TRUE	0.09	0.1292	0.396	0.251268
13642-90	CIG49	CIG49	3	O14879	IFIT3	3437	TRUE	0.11	0.1728	0.387	0.178732
13661-193	CYTD	CYTD	Cystatin-D	P28325	CST5	1473	TRUE	0.09	0.135	1.246	0.194751
13670-81	GIIE	GIIE	Group IIE secretory phospholipase A2	Q9NZK7	PLA2G2E	30814	TRUE	0.12	0.0986	2.087	0.260111
13672-3	HSP76	HSP76	Heat shock 70 kDa protein 6	P17066	HSPA6	3310	TRUE	0.16	0.1849	0.711	0.061749
13680-3	NAB2	NAB2	NGFI-A-binding protein 2	Q15742	NAB2	4665	TRUE	0.1	0.1372	0.393	0.19767
13694-24	TSLP R	TSLP R	Cytokine receptor-like factor 2	Q9HC73	CRLF2	64109	TRUE	0.07	0.0913	1.45	0.545952
13699-6	PSA	PSA	Prostate-specific antigen	P07288	KLK3	354	TRUE	0.18	1.8384	0.998	0.413918
13704-5	HMCS2	HMCS2	Hydroxymethylglutaryl-CoA synthase, mitochondrial	P54868	HMGCS2	3158	TRUE	0.06	0.1866	0.581	0.081688
13726-4	B7	B7	T-lymphocyte activation antigen CD80	P33681	CD80	941	TRUE	0.16	0.154	0.615	0.631227
13733-5	IL-12 p40	IL-12 p40	Interleukin-12 subunit beta	P29460	IL12B	3593	TRUE	0.08	0.1722	0.338	0.417865
13734-22	IFN-lambda 1	IFN-lambda 1	Interferon lambda-1	Q8IU54	IFNL1	28261 8	TRUE	0.07	0.1097	0.183	0.55125
13958-5	RBM46	RBM46	Probable RNA-binding protein 46	Q8TBY0	RBM46	16686 3	TRUE	0.09	0.0738	0.489	0.257757
13960-15	AGAP3	AGAP3	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3	Q96P47	AGAP3	11698 8	TRUE	0.25	0.4088	0.537	0.104985
13990-1	pyruvate carboxylase	pyruvate carboxylase	Pyruvate carboxylase, mitochondrial	P11498	PC	5091	TRUE	0.08	0.0886	3.592	0.105528
13996-16	COAC	COAC	Phosphopantothoenoylcysteine decarboxylase	Q96CD2	PPCDC	60490	TRUE	0.11	0.1835	0.27	0.138797
14005-2	CHD7	CHD7	Chromodomain-helicase-DNA-binding protein 7	Q9P2D1	CHD7	55636	TRUE	0.11	0.1134	0.172	0.280713
14008-22	DCP1A	DCP1A	mRNA-decapping enzyme 1A	Q9NPI6	DCP1A	55802	TRUE	0.18	1.5528	0.239	0.296973

14019-73	EVPL	EVPL	Envoplakin	Q92817	EVPL	2125	TRUE	0.08	0.0903	0.999	0.120942
14031-18	FGF7	FGF7	Fibroblast growth factor 7	P21781	FGF7	2252	TRUE	0.1	0.1455	0.179	0.07155
14034-22	GA733-1 protein	GA733-1 protein	Tumor-associated calcium signal transducer 2	P09758	TACSTD2	4070	TRUE	0.09	0.1693	0.188	0.155555
14035-13	TIAM1	TIAM1	T-lymphoma invasion and metastasis-inducing protein 1	Q13009	TIAM1	7074	TRUE	0.1	0.1249	0.678	0.150677
14036-116	MPDZ	MPDZ	Multiple PDZ domain protein	O75970	MPDZ	8777	TRUE	0.09	0.0701	0.314	0.122258
14051-54	FOXC2	FOXC2	Forkhead box protein C2	Q99958	FOXC2	2303	TRUE	0.08	0.0892	0.209	0.214285
14064-21	PGRP-S	PGRP-S	Peptidoglycan recognition protein 1	O75594	PGLYRP1	8993	TRUE	0.08	0.1235	0.2	0.067596
14065-11	CD5	CD5:CD	T-cell surface glycoprotein CD5: Cytoplasmic domain	P06127	CD5	921	TRUE	0.1	0.1637	2.454	0.464578
14103-12	TPSG1	TPSG1	Tryptase gamma	Q9NRR2	TPSG1	25823	TRUE	0.1	0.1618	0.523	0.084738
14121-24	TRAIL R4	TRAIL R4	Tumor necrosis factor receptor superfamily member 10D	Q9UBN6	TNFRSF10D	8793	TRUE	0.2	0.2301	0.177	0.541059
14128-121	IFN10	IFN10	Interferon alpha-10	P01566	IFNA10	3446	TRUE	0.19	0.2957	0.978	0.49963
14129-1	IFNA7	IFNA7	Interferon alpha-7	P01567	IFNA7	3444	TRUE	0.08	0.0746	0.278	0.276209
14139-16	NRG4	NRG4	Neuregulin-4	Q8WWG1	NRG4	14595	TRUE	0.09	0.2479	0.559	0.075458
14204-55	FOXJ2	FOXJ2	Forkhead box protein J2	Q9P0K8	FOXJ2	55810	TRUE	0.12	0.1168	0.893	0.513597
14206-28	APBB1	APBB1:P	Amyloid beta A4 precursor protein-binding family B member 1: Phosphotyrosine Interaction Domain 2	O00213	APBB1	322	TRUE	0.1	0.1428	0.405	0.313803
14250-115	BLMH	BLMH	Bleomycin hydrolase	Q13867	BLMH	642	TRUE	0.12	0.1606	2.987	0.122575
14286-2	NF-ATc1	NF-ATc1	Nuclear factor of activated T-cells, cytoplasmic 1	O95644	NFATC1	4772	TRUE	0.14	0.1106	0.204	0.385918
14329-4	DIDO1	DIDO1	Death-inducer obliterator 1	Q9BTC0	DIDO1	11083	TRUE	0.13	0.1632	0.303	0.360884
14331-262	DYLT1	DYLT1	Dynein light chain Tctex-type 1	P63172	DYNLT1	6993	TRUE	0.19	0.1698	0.24	0.49881
14587-16	GDF-11	GDF-11	Growth/differentiation factor 11	O95390	GDF11	10220	TRUE	0.11	0.2267	0.605	0.174183
14597-5	SEM6C	SEM6C	Semaphorin-6C, cytoplasmic	Q9H3T2	SEMA6C	10500	TRUE	0.1	0.1953	0.166	0.310826

14624-51	CTCF	CTCF	Transcriptional repressor CTCF	P49711	CTCF	10664	TRUE	0.11	0.1075	0.867	0.345077
14631-22	DUS16	DUS16	Dual specificity protein phosphatase 16	Q9BY84	DUSP16	80824	TRUE	0.14	0.1785	0.841	0.292542
14687-6	M6PBP	M6PBP	Perilipin-3	O60664	PLIN3	10226	TRUE	0.21	0.3157	4.156	0.563369
14713-46	Azurocidin sperm protein	Azurocidin sperm protein	Azurocidin	P20160	AZU1	566	TRUE	0.09	0.1139	1.175	0.235628
15301-24	10	10	Acrosomal protein SP-10	P26436	ACRV1	56	TRUE	0.13	0.1437	0.723	0.45064
15306-20	IgJ	IgJ	Immunoglobulin J chain	P01591	JCHAIN	3512	TRUE	0.14	0.1001	0.409	0.471083
15319-226	CCNA1	CCNA1	Cyclin-A1	P78396	CCNA1	8900	TRUE	0.08	0.1498	0.27	0.136384
15346-31	IFN-g	IFN-g	Interferon gamma Adhesion G protein- coupled receptor B3	P01579	IFNG	3458	TRUE	0.29	1.2705	0.339	0.561513
15365-41	BAI3	BAI3		O60242	ADGRB3	577	TRUE	0.1	0.1232	0.233	0.215177
15389-1	FRDA	FRDA	Frataxin, mitochondrial	Q16595	FXN	2395	TRUE	0.09	0.1024	0.292	1.24666
15390-3	Galanin	Galanin	Galanin	P22466	GAL	51083	TRUE	0.19	0.5141	0.237	0.278757
15448-47	SQSTM	SQSTM	Sequestosome-1 Cysteine-rich motor neuron 1	Q13501	SQSTM1	8878	TRUE	0.13	0.1414	0.315	0.25639
15492-1	CRIM1	CRIM1:EC	protein:Extracellular domain Baculoviral IAP repeat- containing protein 7	Q9NZV1	CRIM1	51232	TRUE	0.08	0.0806	0.308	0.507241
15504-39	Livin B	Livin B	Isoform beta	Q96CA5	BIRC7	79444	TRUE	0.11	0.131	1.047	0.406405
15631-18	PSG1	PSG1	Pregnancy-specific beta-1- glycoprotein 1	P11464	PSG1	5669	TRUE	0.08	0.1134	0.567	0.423906
15637-38	SORC3	SORC3	VPS10 domain-containing receptor SorCS3	Q9JUP3	SORCS3	22986	TRUE	0.13	0.1336	4.018	0.515713
15666-21	BMP-2	BMP-2	Bone morphogenetic protein 2	P12643	BMP2	650	TRUE	0.22	0.1581	0.101	0.132802
16298-84	sPLA(2)-IID	sPLA(2)-IID	Group IID secretory phospholipase A2	Q9UNK4	PLA2G2D	26279	TRUE	0.14	0.301	0.468	0.545071
16324-38	TLR1	TLR1:EC	Toll-like receptor 1:Extracellular domain	Q15399	TLR1	7096	TRUE	0.21	0.1872	0.15	0.573438
16609-106	KIRR2	KIRR2	Kin of IRRE-like protein 2	Q6UWL6	KIRREL2	84063	TRUE	0.14	0.1257	0.245	0.11699
16751-15	BNP	BNP	Natriuretic peptides B Growth/differentiation factor 7	P16860	NPPB	4879	TRUE	0.11	0.1347	0.769	0.35199
16756-30	GDF7	GDF7		Q7Z4P5	GDF7	9	TRUE	0.07	0.1695	0.643	0.451119
16836-1	FHR3	FHR3	Complement factor H- related protein 3	Q02985	CFHR3	10878	TRUE	0.17	0.1769	0.438	0.433775

16845-15	MPZL1	MPZL1	Myelin protein zero-like protein 1	O95297	MPZL1	9019	TRUE	0.1	0.1482	0.199	0.170301
16847-39	RAB3B	RAB3B	Ras-related protein Rab-3B	P20337	RAB3B	5865	TRUE	0.07	0.1287	0.283	0.125883
16875-13	MGN2	MGN2	Protein mago nashi homolog 2	Q96A72	MAGOH B	55110	TRUE	0.07	0.156	0.262	0.128144
17163-117	Annexin III	Annexin III	Annexin A3	P12429	ANXA3	306	TRUE	0.12	0.1412	0.208	0.24749
17333-20	ACADM	ACADM	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	P11310	ACADM	34	TRUE	0.1	0.2479	1.019	0.127305
17343-6	SNPH	SNPH	Syntaphilin	O15079	SNPH	9751	TRUE	0.11	0.1804	1.459	0.540832
17348-5	SYJ2B	SYJ2B	Synaptojanin-2-binding protein	P57105	SYNJ2BP	55333	TRUE	0.16	0.1874	1.02	0.355071
17362-5	VHL	VHL	Von Hippel-Lindau disease tumor suppressor	P40337	VHL	7428	TRUE	0.3	0.3391	1.071	0.143491
17419-17	TES	TES	Testin	Q9UGI8	TES	26136	TRUE	0.1	0.2017	0.184	0.553726
17427-26	NLGN3	NLGN3	Neuroigin-3	Q9NZ94	NLGN3	54413	TRUE	0.17	0.1574	0.216	0.140751
17699-43	TIMELESS	TIMELES S	Protein timeless homolog	Q9UNS1	TIMELES S	8914	TRUE	0.18	0.2864	0.219	0.538287
17789-1	NADC	NADC	Nicotinate-nucleotide pyrophosphorylase [carboxylating]	Q15274	QPRT	23475	TRUE	0.11	0.1393	0.603	0.142542
17793-4	DIRA1	DIRA1	GTP-binding protein Diras1	O95057	DIRAS1	14825 2	TRUE	0.17	0.114	0.248	0.346521
17805-35	SPF30	SPF30	Survival of motor neuron-related-splicing factor 30	O75940	SMNDC1	10285	TRUE	0.19	0.193	0.389	0.349342
17812-2	TP4A1	TP4A1	Protein tyrosine phosphatase type IVA 1	Q93096	PTP4A1	7803	TRUE	0.13	0.1195	1.92	0.11711
17857-6	ACADL	ACADL	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	P28330	ACADL	33	TRUE	0.07	0.135	0.238	0.282334
18156-7	ATG3	ATG3	Ubiquitin-like-conjugating enzyme ATG3	Q9NT62	ATG3	64422	TRUE	0.12	0.1432	0.447	0.307471
18160-2	PIMT	PIMT	Protein-L-isoaspartate(D-aspartate) O-methyltransferase	P22061	PCMT1	5110	TRUE	0.1	0.0762	0.412	0.549406
18193-165	MO4L1	MO4L1	Mortality factor 4-like protein 1	Q9UBU8	MORF4L 1	10933	TRUE	0.12	0.1386	0.519	0.100863
18198-51	HBAT	HBAT	Hemoglobin subunit theta-1	P09105	HBQ1	3049	TRUE	0.09	0.0961	0.097	0.046594

18227-3	CDKA2	CDKA2	Cyclin-dependent kinase 2-associated protein 2	O75956	CDK2AP2	10263	TRUE	0.09	0.1155	0.245	0.467243
18228-30	NOP16	NOP16	Nucleolar protein 16	Q9Y3C1	NOP16	51491	TRUE	0.07	0.1006	0.358	0.31849
18323-39	DRP-1	DRP-1	Dihydropyrimidinase-related protein 1	Q14194	CRMP1	1400	TRUE	0.06	0.0833	2.471	0.151229
18395-5	ADPRH	ADPRH	[Protein ADP-ribosylarginine] hydrolase	P54922	ADPRH	141	TRUE	0.24	0.2435	0.139	0.551046
18396-10	AES	AES	Amino-terminal enhancer of split	Q08117	TLE5	166	TRUE	0.15	0.146	0.306	0.274793
18398-1	AK1D1	AK1D1	3-oxo-5-beta-steroid 4-dehydrogenase	P51857	AKR1D1	6718	TRUE	0.07	0.1007	0.573	0.353968
18402-1	AMERL	AMERL	AMMECR1-like protein	Q6DCA0	AMMECR1	83607	TRUE	0.12	0.1124	0.495	0.485327
18416-3	ARL9	ARL9	ADP-ribosylation factor-like protein 9	Q6T311	ARL9	6	TRUE	0.12	0.1197	0.608	0.421755
18874-66	CEBPA	CEBPA	CCAAT/enhancer-binding protein alpha	P49715	CEBPA	1050	TRUE	0.08	0.1083	0.249	0.077935
18888-37	FBP12	FBP12	Fatty acid-binding protein 12	A6NFH5	FABP12	6	TRUE	0.15	0.2187	0.242	0.225958
18905-5	Keratin-16	Keratin-16	Keratin, type I cytoskeletal 16	P08779	KRT16	3868	TRUE	0.14	0.1144	1.495	0.381711
18913-3	Cyclin H	Cyclin H	Cyclin-H	P51946	CCNH	902	TRUE	0.07	0.1046	0.39	0.370613
18928-10	S100Z	S100Z	Protein S100-Z	Q8WXG8	S100Z	1	TRUE	0.08	0.0936	0.57	0.604687
18938-3	VLDLR	VLDLR	Very low-density lipoprotein receptor	P98155	VLDLR	7436	TRUE	0.2	0.2691	0.38	0.310919
19109-32	TCAL8	TCAL8	Transcription elongation factor A protein-like 8	Q8IYN2	TCEAL8	90843	TRUE	0.08	0.1964	0.256	0.130629
19117-3	PP14A	PP14A	Protein phosphatase 1 regulatory subunit 14A	Q96A00	PPP1R14A	94274	TRUE	0.12	0.3436	1.001	0.146372
19119-10	DDIT3	DDIT3	DNA damage-inducible transcript 3 protein	P35638	DDIT3	1649	TRUE	0.07	0.114	0.302	0.442794
19122-47	ML12B	ML12B	Myosin regulatory light chain 12B	O14950	MYL12B	10391	TRUE	0.17	0.1609	0.778	0.081209
19142-39	DNM3L	DNM3L	DNA (cytosine-5)-methyltransferase 3-like	Q9UJW3	DNMT3L	29947	TRUE	0.08	0.0795	0.214	0.038575
19153-53	MPPD2	MPPD2	Metallophosphoesterase MPPED2	Q15777	MPPED2	744	TRUE	0.07	0.1283	0.103	0.41874
19159-9	DNA polymerase delta subunit 4	DNA polymerase delta subunit 4	DNA polymerase delta subunit 4	Q9HCU8	POLD4	57804	TRUE	0.12	0.1087	0.285	0.092807
19219-71	NTF-2	NTF-2	Nuclear transport factor 2	P61970	NUTF2	10204	TRUE	0.12	0.1477	0.454	0.41944

19225-11	BLNK	BLNK	B-cell linker protein	Q8WV28	BLNK	29760	TRUE	0.12	0.1543	0.194	0.451984
19236-24	TCP4	TCP4	Activated RNA polymerase II transcriptional coactivator p15	P53999	SUB1	10923	TRUE	0.09	1.2361	1.062	0.109947
19253-82	RAB2B	RAB2B	Ras-related protein Rab-2B	Q8WUD1	RAB2B	84932	TRUE	0.11	0.1036	0.531	0.173948
19255-124	NXT2	NXT2	NTF2-related export protein 2	Q9NPJ8	NXT2	55916	TRUE	0.1	0.1546	0.268	0.088622
19260-4	GIPC1	GIPC1	PDZ domain-containing protein GIPC1	O14908	GIPC1	10755	TRUE	0.08	0.1085	0.595	0.444334
19287-59	DENR	DENR	Density-regulated protein	O43583	DENR	8562	TRUE	0.12	0.2037	0.304	0.137629
19291-2	CASQ2	CASQ2	Calsequestrin-2	O14958	CASQ2	845	TRUE	0.13	0.1841	0.71	0.20823
19302-7	GIMA6	GIMA6	GTPase IMAP family member 6	Q6P9H5	GIMAP6	4	TRUE	0.11	0.1565	0.274	0.397556
19311-15	CRBS	CRBS	Beta-crystallin S Leucine-rich repeat	P22914	CRYGS	1427	TRUE	0.08	0.0982	0.28	0.339443
19360-22	LRRT1	LRRT1	transmembrane neuronal protein 1	Q86UE6	LRRTM1	0	TRUE	0.1	0.0985	0.225	0.182985
19572-10	CEBPG	CEBPG	CCAAT/enhancer-binding protein gamma	P53567	CEBPG	1054	TRUE	0.15	0.6489	0.72	0.250056
19575-4	EPO-R	EPO-R	Erythropoietin receptor	P19235	EPOR	2057	TRUE	0.11	0.1939	0.227	0.782877
20055-40	AL1A2	AL1A2	Retinal dehydrogenase 2	O94788	ALDH1A2	8854	TRUE	0.11	0.2147	0.722	0.571253
20073-22	K-ras	K-ras	GTPase KRas Amphoterin-induced	P01116	KRAS	3845	TRUE	0.36	0.9249	0.707	0.334983
20120-101	AMGO1	AMGO1	AMGO1: protein 1:Extracellular domain	Q86WK6	AMIGO1	57463	TRUE	0.22	0.6483	0.219	0.417996
20139-57	SH3G2	SH3G2	Endophilin-A1	Q99962	SH3GL2	6456	TRUE	0.1	0.2122	1.006	0.321742
20141-42	TCEA2	TCEA2	Transcription elongation factor A protein 2	Q15560	TCEA2	6919	TRUE	0.1	0.1933	0.37	0.484326
20183-48	MEOX1	MEOX1	Homeobox protein MOX-1	P50221	MEOX1	4222	TRUE	0.12	0.161	6.996	0.286998
20185-44	ODP2	ODP2	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial	P10515	DLAT	1737	TRUE	0.1	0.1157	0.708	0.35611
20189-28	Integrin aVb6	Integrin aVb6	Integrin alpha V beta 6	P18564 P06756	ITGB6 ITGAV	3694 3685	TRUE	0.09	0.1597	0.607	0.104059

20195-13	IFIH1	IFIH1	Interferon-induced helicase C domain-containing protein 1	Q9BYX4	IFIH1	64135	TRUE	0.13	0.1479	0.203	0.374316
20205-55	DYRK2	DYRK2	Dual specificity tyrosine-phosphorylation-regulated kinase 2	Q92630	DYRK2	8445	TRUE	0.1	0.087	1.632	0.57196
20231-23	UPP2	UPP2	Uridine phosphorylase 2	O95045	UPP2	1	TRUE	0.08	0.19	0.336	0.123081
20237-38	OAT	OAT	Ornithine aminotransferase, mitochondrial	P04181	OAT	4942	TRUE	0.1	0.203	0.765	0.452292
20245-13	Retinoic acid receptor RXR-alpha	Retinoic acid receptor RXR-alpha	Retinoic acid receptor RXR-alpha	P19793	RXRA	6256	TRUE	0.1	0.1639	0.101	0.118449
20379-59	SVBP	SVBP	Small vasohibin-binding protein	Q8N300	SVBP	9	TRUE	0.1	0.1523	0.201	0.396053
20380-50	LSM12	LSM12	Protein LSM12 homolog	Q3MHD2	LSM12	1	TRUE	0.15	0.1522	0.467	0.554875
20383-31	RBM18	RBM18	Probable RNA-binding protein 18	Q96H35	RBM18	92400	TRUE	0.1	0.1425	1.23	0.349437
20390-4	HMG3	HMG3	High mobility group nucleosome-binding domain-containing protein 3	Q15651	HMG3	9324	TRUE	0.08	0.1452	0.353	0.25077
20396-70	COMD6	COMD6	COMM domain-containing protein 6	Q7Z4G1	COMMD6	17062	TRUE	0.11	0.1613	0.283	0.134298
20430-8	Natriuretic Peptide C-Type	Natriuretic Peptide C-Type	C-type natriuretic peptide	P23582	NPPC	4880	TRUE	0.1	0.0884	0.168	0.37306
20434-23	PC4L1	PC4L1	Purkinje cell protein 4-like protein 1	A6NKN8	PCP4L1	0	TRUE	0.11	0.1273	0.357	0.372837
20449-72	JOS1	JOS1	Josephin-1	Q15040	JOSD1	9929	TRUE	0.09	0.1469	0.159	0.351378
20454-24	SOSB2	SOSB2	SOSS complex subunit B2	Q96AH0	NABP1	64859	TRUE	0.09	0.122	0.356	0.041118
20463-315	IMPCT	IMPCT	Protein IMPACT	Q9P2X3	IMPACT	55364	TRUE	0.08	0.1928	0.683	0.430404
20464-7	KHDCL	KHDCL	Putative KHDC1-like protein	Q5JSQ8	KHDC1L	9128	TRUE	0.42	0.4661	0.189	0.429839
20516-11	SCN3B	SCN3B	Sodium channel subunit beta-3	Q9NY72	SCN3B	55800	TRUE	0.13	0.134	0.61	0.074774
20529-7	CAD10	CAD10	Cadherin-10	Q9Y6N8	CDH10	1008	TRUE	0.11	0.164	0.712	0.916048
20541-73	CD1B	CD1B	T-cell surface glycoprotein CD1b	P29016	CD1B	910	TRUE	0.12	0.2294	2.515	0.259543
20544-103	GRIK2	GRIK2	Glutamate receptor ionotropic, kainate 2	Q13002	GRIK2	2898	TRUE	0.12	0.102	1.416	0.393738

20547-5	ACHB3	ACHB3	Neuronal acetylcholine receptor subunit beta-3	Q05901	CHRNB3	1142	TRUE	0.08	0.2436	0.711	0.445231
20557-19	VSIG8	VSIG8	V-set and immunoglobulin domain-containing protein 8	P0DPA2	VSIG8	39112 3	TRUE	0.12	0.1876	0.16	0.620039
20558-4	EPHA8	EPHA8	Ephrin type-A receptor 8	P29322	EPHA8	2046	TRUE	0.15	0.1554	0.521	0.159959
20563-48	TLR10	TLR10	Toll-like receptor 10	Q9BXR5	TLR10	81793	TRUE	0.2	0.3108	0.6	0.467882
20574-8	CD81	CD81	CD81 antigen	P60033	CD81	975	TRUE	0.19	0.2128	3.385	0.177934
20921-1	GIPC2	GIPC2	PDZ domain-containing protein GIPC2	Q8TF65	GIPC2	54810	TRUE	0.1	0.2522	0.271	0.354253
20928-39	TCAL7	TCAL7	Transcription elongation factor A protein-like 7	Q9BRU2	TCEAL7	56849	TRUE	0.19	0.0913	0.416	0.362111
20969-114	RYBP	RYBP	RING1 and YY1-binding protein	Q8N488	RYBP	23429	TRUE	0.09	0.126	0.408	0.371754
20975-2	RCAN2	RCAN2	Calcipressin-2	Q14206	RCAN2	10231	TRUE	0.08	0.1854	0.385	0.31764
21114-18	DJC12	DJC12	DnaJ homolog subfamily C member 12	Q9UKB3	DNAJC1 2	56521	TRUE	0.22	0.9416	0.178	0.355072
21116-13	EED	EED	Polycomb protein EED	O75530	EED	8726	TRUE	0.15	0.301	0.404	0.211712
21138-2	NPM2	NPM2	Nucleoplasmin-2	Q86SE8	NPM2	10361	TRUE	0.08	0.1466	0.699	0.107864
21146-187	TULP1	TULP1	Tubby-related protein 1	O00294	TULP1	7287	TRUE	0.11	0.1492	3.341	0.45936
21180-16	PLCX3	PLCX3	PI-PLC X domain-containing protein 3	Q63HM9	PLCXD3	34555 7	TRUE	0.16	0.1744	0.414	0.180976
21181-10	LR2BP	LR2BP	LRP2-binding protein	Q9P2M1	LRP2BP	55805	TRUE	0.1	0.2025	0.108	0.158546
21184-1	BL1S2	BL1S2	Biogenesis of lysosome-related organelles complex 1 subunit 2	Q6QNY1	BLOC1S2	28299 1	TRUE	0.12	0.1619	4.166	0.051104
21203-14	MR1L1	MR1L1	MORF4 family-associated protein 1-like 1	Q96HT8	MRFAP1 L1	11493 2	TRUE	0.25	0.2128	0.908	0.295802
21210-33	DPOLB	DPOLB	DNA polymerase beta	P06746	POLB	5423	TRUE	0.08	0.2327	0.411	0.347663
21269-198	HYES	HYES	Epoxide hydrolase 2	P34913	EPHX2	2053	TRUE	0.14	0.1394	0.3	0.032762
21282-21	TNIP1	TNIP1	TNFAIP3-interacting protein 1	Q15025	TNIP1	10318	TRUE	0.07	0.0992	2.461	0.387555
21319-196	MRM1	MRM1	rRNA methyltransferase 1, mitochondrial	Q6IN84	MRM1	79922	TRUE	0.11	0.1472	0.231	0.11392

21340-38	HLF	HLF	Hepatic leukemia factor	Q16534	HLF	3131	TRUE	0.11	0.1238	3.01	0.355492
21346-71	PYRD	PYRD	Dihydroorotate dehydrogenase (quinone), mitochondrial	Q02127	DHODH	1723	TRUE	0.08	0.1521	0.339	0.130207
21350-29	LN28B	LN28B	Protein lin-28 homolog B	Q6ZN17	LIN28B	1	TRUE	0.12	0.1861	0.369	0.435434
21354-92	UPP	UPP	Uracil phosphoribosyltransferase homolog	Q96BW1	UPRT	6	TRUE	0.12	0.1108	1.211	0.133599
21356-6	B9D2	B9D2	B9 domain-containing protein 2	Q9BPU9	B9D2	80776	TRUE	0.14	0.1931	0.843	0.453078
21361-8	TR3N	TR3N	Protein TXNRD3NB	Q6F5E7	TXNRD3NB		TRUE	0.07	0.198	0.361	0.414838
21365-5	CYH3	CYH3	Cytohesin-3	O43739	CYTH3	9265	TRUE	0.11	0.1176	0.624	0.354625
21397-21	PRTG	PRTG	Protogenin	Q2VWP7	PRTG	9	TRUE	0.12	0.308	0.135	0.20765
21476-43	NEIL2	NEIL2	Endonuclease 8-like 2	Q969S2	NEIL2	9	TRUE	0.1	0.2761	0.255	0.568032
21572-91	XYLT2	XYLT2	Xylosyltransferase 2	Q9H1B5	XYLT2	64132	TRUE	0.16	0.1242	0.433	0.279557
21588-4	KCTD4	KCTD4	BTB/POZ domain-containing protein KCTD4	Q8WVF5	KCTD4	8	TRUE	0.08	0.1438	0.212	0.123461
21590-9	ANRA2	ANRA2	Ankyrin repeat family A protein 2	Q9H9E1	ANKRA2	57763	TRUE	0.11	0.2338	0.289	0.568349
21592-8	GBA3	GBA3	Cytosolic beta-glucosidase	Q9H227	GBA3	57733	TRUE	0.08	0.1636	0.168	0.252592
21647-9	SPEE	SPEE	Spermidine synthase	P19623	SRM	6723	TRUE	0.25	0.2177	0.512	0.46316
21662-121	DYRK3	DYRK3	Dual specificity tyrosine-phosphorylation-regulated kinase 3	O43781	DYRK3	8444	TRUE	0.09	0.0828	0.135	0.71311
21711-86	BAI1	BAI1	Brain-specific angiogenesis inhibitor 1	O14514	ADGRB1	575	TRUE	0.13	0.2706	0.558	0.670531
21716-29	FUT7	FUT7	Alpha-(1,3)-fucosyltransferase	Q11130	FUT7	2529	TRUE	0.1	0.114	0.162	0.28575
21733-11	OGT1	OGT1	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit	O15294	OGT	8473	TRUE	0.08	0.1952	0.949	0.304524
21750-25	BAP1	BAP1	Ubiquitin carboxyl-terminal hydrolase BAP1	Q92560	BAP1	8314	TRUE	0.14	0.1839	0.52	0.400641

21759-23	R48	DR48	UBP1/WDR48 Complex	Q8TAF3 O94782	WDR48 USP1	57599 7398	TRUE	0.07	0.1252	0.192	0.074117
21832-31	SCCA1	SCCA1	Squamous cell carcinoma antigen 1	P29508	3	6317	TRUE	0.15	0.1598	0.218	0.243925
21915-2	OTUD3	OTUD3	OTU domain-containing protein 3	Q5T2D3	OTUD3	23252	TRUE	0.11	0.2057	0.272	0.536559
21925-15	TGF-b1	TGF-b1	Transforming growth factor beta-1	P01137	TGFB1	7040	TRUE	0.1	0.1536	0.125	0.206613
21946-79	sRa	sRa	IL-6/IL-6 sRa Complex	P08887 P05231		3570 3569	TRUE	0.11	0.1146	0.183	0.562985
21957-12	BCAP	BCAP	Phosphoinositide 3-kinase adapter protein 1	Q6ZUJ8	PIK3AP1	8	TRUE	0.08	0.1831	0.641	0.29338
21961-14	CD2AP	CD2AP	CD2-associated protein	Q9Y5K6	CD2AP	23607	TRUE	0.11	0.1534	1.251	0.522326
21981-2	Integrin alpha-M	Integrin alpha-M	Integrin alpha-M	P11215	ITGAM	3684	TRUE	0.1	0.112	1.733	0.3633
21995-20	NOS	NOS	NOS	P29474	NOS3	4846	TRUE	0.08	0.1159	1.123	0.374003
22071-38	ASB8	ASB8	Ankyrin repeat and SOCS box protein 8	Q9H765	ASB8	1	TRUE	0.09	0.1466	0.413	0.266518
22074-35	Ataxin-2-binding protein 1	Ataxin-2-binding protein 1	Ataxin-2-binding protein 1	Q9NWB1	RBFOX1	54715	TRUE	0.06	0.1386	0.226	0.365142
22075-16	ATF3	ATF3	Cyclic AMP-dependent transcription factor ATF-3	P18847	ATF3	467	TRUE	0.1	0.1061	0.492	0.445016
22086-2	BRM1L	BRM1L	Breast cancer metastasis-suppressor 1-like protein	Q5PSV4	BRMS1L	84312	TRUE	0.09	0.1823	3.751	0.398154
22095-29	CBX2	CBX2	Chromobox protein homolog 2	Q14781	CBX2	84733	TRUE	0.07	0.1119	1.905	0.036369
22115-2	CRBL2	CRBL2	cAMP-responsive element-binding protein-like 2	O60519	CREBL2	1389	TRUE	0.07	0.1896	0.293	0.148993
22116-9	CREM	CREM	cAMP-responsive element modulator	Q03060	CREM	1390	TRUE	0.21	0.171	3.098	0.488393
22118-7	CSAG2	CSAG2	Chondrosarcoma-associated gene 2/3 protein	Q9Y5P2	CSAG2	3	TRUE	0.08	0.1577	0.662	0.048537
22136-9	EXOG	EXOG	Nuclease EXOG, mitochondrial	Q9Y2C4	EXOG	9941	TRUE	0.07	0.1258	0.927	0.482217
22143-6	FBX28	FBX28	F-box only protein 28	Q9NVF7	FBXO28	23219	TRUE	0.09	0.1566	0.461	0.287465

22150-2	GABP1	GABP1	GA-binding protein subunit beta-1	Q06547	GABPB1	2553	TRUE	0.11	0.1083	1.712	0.18851
22151-48	GSC2	GSC2	Homeobox protein gooseicoid-2	O15499	GSC2	2928	TRUE	0.1	0.1209	1.906	0.435793
22363-31	ADAT1	ADAT1	tRNA-specific adenosine deaminase 1	Q9BUB4	ADAT1	23536	TRUE	0.11	0.0942	0.171	0.379122
22383-21	MITF	MITF	MITF	O75030	MITF	4286	TRUE	0.07	0.1297	0.69	0.45261
22392-5	SRTD3	SRTD3	SERTA domain-containing protein 3	Q9UJW9	SERTAD3	29946	TRUE	0.09	0.1583	8.59	0.314348
22393-130	TAP26	TAP26	Thyroid transcription factor 1-associated protein 26	Q9P031	CCDC59	29080	TRUE	0.15	0.1124	0.171	0.559723
22394-8	TCF21	TCF21	Transcription factor 21	O43680	TCF21	6943	TRUE	0.07	0.1723	4.667	0.3866
22397-2	XBP1	XBP1	X-box-binding protein 1	P17861	XBP1	7494	TRUE	0.08	0.1152	0.292	0.210998
22401-26	GUC1B	GUC1B	Guanylyl cyclase-activating protein 2	Q9UMX6	GUCA1B	2979	TRUE	0.09	0.3904	0.552	0.188108
22417-10	CBLC	CBLC	E3 ubiquitin-protein ligase CBL-C	Q9ULV8	CBLC	23624	TRUE	0.12	0.188	0.529	0.415434
22429-13	KDM1A	KDM1A	Lysine-specific histone demethylase 1A	O60341	KDM1A	23028	TRUE	0.12	0.1827	0.156	0.207771
2247-20	EG-VEGF	EG-VEGF	Prokineticin-1	P58294	PROK1	84432	TRUE	0.07	0.1244	0.315	0.438202
22510-6	NF2L2	NF2L2	Nuclear factor erythroid 2-related factor 2	Q16236	NFE2L2	4780	TRUE	0.09	0.1701	1.493	0.100264
22521-13	OTX2	OTX2	Homeobox protein OTX2	P32243	OTX2	5015	TRUE	0.09	0.1176	0.207	0.104254
22523-4	PABP5	PABP5	Polyadenylate-binding protein 5	Q96DU9	PABPC5	6	TRUE	0.1	0.1348	0.506	0.538722
22525-9	PAX3	PAX3	Paired box protein Pax-3	P23760	PAX3	5077	TRUE	0.11	0.0995	0.836	0.132336
22536-1	PPR42	PPR42	Protein phosphatase 1 regulatory subunit 42	Q7Z4L9	PPP1R42	7	TRUE	0.47	0.1494	0.487	0.609002
22561-3	YA003	YA003	Uncharacterized protein UNQ511/PRO1026	Q6UX82	LYPD8	7	TRUE	0.12	0.1001	3.904	0.266648
22580-29	Ephrin-A2	Ephrin-A2	Ephrin-A2	O43921	EFNA2	1943	TRUE	0.16	0.276	0.434	0.252433
22779-75	SMCO1	SMCO1	Single-pass membrane and coiled-coil domain-containing protein 1	Q147U7	SMCO1	8	TRUE	0.1	0.0935	0.348	0.248455
22784-4	SPT22	SPT22	Spermatogenesis-associated protein 22	Q8NHS9	SPATA22	84690	TRUE	0.11	0.1691	0.194	0.389032
22787-39	SPXN3	SPXN3	Sperm protein associated with the nucleus on the X chromosome N3	Q5MJ09	SPANXN3	13906	TRUE	0.09	0.1329	0.382	0.469634

22799-17	TBC28	TBC28	TBC1 domain family member 28	Q2M2D7	TBC1D2	25427	8	2	TRUE	0.13	0.1345	0.13	0.044654
22801-83	TERB2	TERB2	Telomere repeats-binding bouquet formation protein 2	Q8NHR7	TERB2	14564	5	TRUE	0.31	0.4157	1.079	0.324893	
22810-41	TIPIN	TIPIN	TIMELESS-interacting protein	Q9BVW5	TIPIN	54962	TRUE	0.17	0.174	0.22	0.384146		
22955-28	CRBP	CRBP	Retinol-binding protein 1	P09455	RBP1	5947	TRUE	0.08	0.1978	0.322	0.309809		
22987-69	JNK2	JNK2	Mitogen-activated protein kinase 9	P45984	MAPK9	5601	TRUE	0.11	0.2241	1.741	0.254102		
23164-8	MPC1	MPC1	Mitochondrial pyruvate carrier 1	Q9Y5U8	MPC1	51660	TRUE	0.18	0.2013	0.238	0.367643		
23202-78	NAR5	NAR5	Ecto-ADP-ribosyltransferase 5	Q96L15	ART5	11696	9	TRUE	0.26	0.1232	0.18	0.41727	
23248-1	XAGE2	XAGE2	X antigen family member 2	Q96GT9	XAGE2	9502	TRUE	0.41	0.1068	0.401	1.264287		
23250-3	TCAL4	TCAL4	Transcription elongation factor A protein-like 4	Q96EI5	TCEAL4	79921	TRUE	0.14	0.0944	0.994	0.520989		
23254-31	NDUF3	NDUF3	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3	Q9BU61	NDUFAF3	25915	TRUE	0.13	0.1666	0.75	0.526077		
23267-5	KCTD6	KCTD6	BTB/POZ domain-containing protein KCTD6	Q8NC69	KCTD6	20084	5	TRUE	0.21	0.1536	0.542	0.314406	
23282-19	RAB37	RAB37	Ras-related protein Rab-37	Q96AX2	RAB37	32662	4	TRUE	0.09	0.1463	1.893	0.425621	
23289-25	NGN1	NGN1	Neurogenin-1	Q92886	NEUROG1	4762	TRUE	0.12	0.1839	0.151	0.349523		
23308-31	KCTD1	KCTD1	BTB/POZ domain-containing protein KCTD1	Q719H9	KCTD1	28425	2	TRUE	0.19	0.3238	0.313	0.279816	
23324-6	HSPB3	HSPB3	Heat shock protein beta-3	Q12988	HSPB3	8988	TRUE	0.21	0.2491	0.315	0.312764		
23341-16	DMC1	DMC1	Meiotic recombination protein DMC1/LIM15 homolog	Q14565	DMC1	11144	TRUE	0.26	1.0272	0.205	0.52158		
23342-4	ARRD5	ARRD5	Arrestin domain-containing protein 5	A6NEK1	ARRDC5	64543	2	TRUE	0.42	0.4786	0.189	0.327974	
23365-7	FNDC8	FNDC8	Fibronectin type III domain-containing protein 8	Q8TC99	FNDC8	54752	TRUE	0.09	0.0799	3.905	0.285837		
23375-4	RFPL3	RFPL3	Ret finger protein-like 3	O75679	RFPL3	10738	TRUE	0.19	0.144	0.183	0.362553		
23378-29	CGBP1	CGBP1	CGG triplet repeat-binding protein 1	Q9UFW8	CGGBP1	8545	TRUE	0.25	0.4593	1.267	0.486061		
23381-8	1-Sep	1-Sep	Septin-1	Q8WYJ6	SEPTIN1	1731	TRUE	0.2	0.173	0.143	0.381034		

23407-9	SAST	SAST	S-acyl fatty acid synthase thioesterase, medium chain	Q9NV23	OLAH	55301	TRUE	0.3	0.3585	0.502	0.485103
23424-4	ANR63	ANR63	Ankyrin repeat domain-containing protein 63	C9JTQ0	ANKRD6	10013	TRUE	0.53	0.9593	0.446	0.257807
23518-7	F151B	F151B	Protein FAM151B	Q6UXP7	FAM151	16755	TRUE	0.14	0.1292	0.425	0.518378
23536-14	CS084	CS084	Uncharacterized protein C19orf84	I3L1E1	C19orf8	14764	TRUE	0.14	0.1374	0.342	0.631928
23555-11	RAD	RAD	GTP-binding protein RAD	P55042	RRAD	6236	TRUE	0.12	0.1352	0.192	0.49465
23557-110	CAPZB	CAPZB	F-actin-capping protein subunit beta	P47756	CAPZB	832	TRUE	0.11	0.0938	1.655	0.557197
23564-83	MT21C	MT21C	Protein-lysine methyltransferase METTL21C	Q5VZV1	METTL2	19654	TRUE	0.1	0.149	0.49	0.246473
23568-41	MEIS2	MEIS2	Homeobox protein Meis2	O14770	MEIS2	4212	TRUE	0.13	0.1005	0.71	0.068674
23570-87	ZKSC7	ZKSC7	Zinc finger protein with KRAB and SCAN domains 7	Q9POL1	ZKSCAN	55888	TRUE	0.14	0.238	0.242	0.407956
23589-21	PPR27	PPR27	Protein phosphatase 1 regulatory subunit 27	Q86WC6	PPP1R27	11672	TRUE	0.12	0.1675	3.88	0.628779
23595-6	LACC1	LACC1	Laccase domain-containing protein 1	Q8IV20	LACC1	14481	TRUE	0.15	0.2043	0.23	0.243243
23618-23	ZN593	ZN593	Zinc finger protein 593	O00488	ZN593	51042	TRUE	0.16	0.2045	0.887	0.277035
23619-235	L10K	L10K	Leydig cell tumor 10 kDa protein homolog	Q9UNZ5	C19orf5	28974	TRUE	0.14	0.0783	0.347	0.31404
23629-4	VMAC	VMAC	Vimentin-type intermediate filament-associated coiled-coil protein	Q2NL98	VMAC	40067	TRUE	0.11	0.201	0.922	0.416623
23637-55	RNF25	RNF25	E3 ubiquitin-protein ligase RNF25	Q96BH1	RNF25	64320	TRUE	0.08	0.1528	0.286	0.436414
23657-102	HNRL	HNRL	Heterogeneous nuclear ribonucleoprotein L-like	Q8WVV9	HNRNPL	92906	TRUE	0.09	0.1609	0.156	0.315138
23660-112	KLH41	KLH41	Kelch-like protein 41	O60662	KLHL41	10324	TRUE	0.06	0.1486	2.689	0.22318
23661-61	XPP3	XPP3	Probable Xaa-Pro aminopeptidase 3	Q9NQH7	XPNPEP	63929	TRUE	0.25	0.1003	3.83	0.144828
23671-11	SPDLY	SPDLY	Protein Spindly	Q96EA4	SPDL1	54908	TRUE	0.09	0.1001	0.183	0.661691
23678-132	SOX10	SOX10	Transcription factor SOX-10	P56693	SOX10	6663	TRUE	0.1	0.207	0.347	0.332394
23679-43	DCC1	DCC1	Sister chromatid cohesion protein DCC1	Q9BVC3	DSCC1	79075	TRUE	0.14	0.1756	0.155	0.164772
23683-79	TRI55	TRI55	Tripartite motif-containing protein 55	Q9BYV6	TRIM55	84675	TRUE	0.12	0.1033	0.405	0.222165

23981-172	CBPA1	CBPA1	Carboxypeptidase A1	P15085	CPA1	1357	TRUE	0.12	0.1858	4.499	0.485756
24011-27	VS10L	VS10L	V-set and immunoglobulin domain-containing protein 10-like	Q86VR7	VSIG10L	5	TRUE	0.09	0.1542	0.182	0.111834
24252-85	CL065	CL065	Probable peptide chain release factor C12orf65, mitochondrial	Q9H3J6	C12orf6	5	TRUE	0.26	0.0919	0.263	0.788619
24266-2	MEF2D	MEF2D	Myocyte-specific enhancer factor 2D	Q14814	MEF2D	4209	TRUE	0.1	0.19	0.317	0.483231
24277-22	CPNE7	CPNE7	Copine-7	Q9UBL6	CPNE7	27132	TRUE	0.09	0.1128	0.279	0.075418
24294-13	CTF8	CTF8	Chromosome transmission fidelity protein 8 homolog	POCG13	CTF8	54921	TRUE	0.11	0.094	0.628	0.412441
24299-1	CEA16	CEA16	Carcinoembryonic antigen-related cell adhesion molecule 16	Q2WEN9	CEACAM16	38855	TRUE	0.11	0.1451	0.125	0.165038
24304-3	EFC4B	EFC4B	EF-hand calcium-binding domain-containing protein 4B	Q9BSW2	CRACR2A	84766	TRUE	0.08	0.1381	1.113	0.062354
24307-22	KDM8	KDM8	Lysine-specific demethylase 8	Q8N371	KDM8	79831	TRUE	0.48	0.1476	0.408	0.476589
24316-10	BMT2	BMT2	Probable methyltransferase BMT2 homolog	Q1RMZ1	BMT2	15474	TRUE	0.15	0.2149	5.456	0.488131
2441-2	FGF-10	FGF-10	Fibroblast growth factor 10	O15520	FGF10	2255	TRUE	0.09	0.1274	0.101	0.428161
24419-3	MOCOS	MOCOS	Molybdenum cofactor sulfurase	Q96EN8	MOCOS	55034	TRUE	0.08	0.0892	0.592	0.029232
24449-11	CRGA	CRGA	Gamma-crystallin A	P11844	CRYGA	1418	TRUE	0.08	0.1731	1.011	0.47512
24468-36	ADDB	ADDB	Beta-adducin	P35612	ADD2	119	TRUE	0.12	0.1879	0.635	0.367505
2447-7	GIIE	GIIE	Group IIE secretory phospholipase A2	Q9NZK7	PLA2G2E	30814	TRUE	0.08	0.1166	0.195	0.199622
24470-20	PCBP3	PCBP3	Poly(rC)-binding protein 3	P57721	PCBP3	54039	TRUE	0.12	0.1574	0.745	0.371437
24473-11	CT453	CT453	Cancer/testis antigen family 45 member A3	Q8NHU0	CT45A3	44151	TRUE	0.09	0.0864	0.382	0.238337
24487-95	BL1S3	BL1S3	Biogenesis of lysosome-related organelles complex 1 subunit 3	Q6QNY0	BLOC1S3	38855	TRUE	0.08	0.2033	6.399	0.28983
2449-1	GV	GV	Calcium-dependent phospholipase A2	P39877	PLA2G5	5322	TRUE	0.08	0.1393	0.194	0.557252
24642-21	FA92A	FA92A	Protein FAM92A	A1XBS5	FAM92A	13739	TRUE	0.14	0.1292	0.362	0.33304
24661-4	MA6D1	MA6D1	MAP6 domain-containing protein 1	Q9H9H5	MAP6D1	79929	TRUE	0.11	0.1719	0.501	0.479841

24665-48	REM1	REM1	GTP-binding protein REM1	O75628	REM1	28954	TRUE	0.13	0.2107	0.139	0.36693
24675-2	MAST4	MAST4	Microtubule-associated serine/threonine-protein kinase 4	O15021	MAST4	37544	TRUE	0.11	0.0814	0.286	0.564935
24683-11	GIMA7	GIMA7	GTPase IMAP family member 7	Q8NHV1	GIMAP7	16853	TRUE	0.26	0.195	2.263	0.421366
24712-6	GTPBA	GTPBA	GTP-binding protein 10	A4D1E9	GTPBP1	0	TRUE	0.14	0.1497	0.308	0.064049
24718-8	LR75A	LR75A	Leucine-rich repeat-containing protein 75A	Q8NAA5	LRRC75A	38834	TRUE	0.09	0.1156	1.022	0.427827
24722-13	SPIN3	SPIN3	Spindlin-3	Q5JUX0	SPIN3	16998	TRUE	0.12	0.4129	0.753	0.485598
24896-5	MEN1	MEN1	Menin	O00255	MEN1	1	TRUE	0.07	0.1263	0.854	0.343186
24902-84	GEPH	GEPH	Gephyrin	Q9NQX3	GPHN	4221	TRUE	0.12	0.3153	0.381	0.43077
24912-40	WDR26	WDR26	WD repeat-containing protein 26	Q9H7D7	WDR26	10243	TRUE	0.1	0.1111	0.207	0.282121
24917-95	DNJC1	DNJC1	DnaJ homolog subfamily C member 1	Q96KC8	DNAJC1	80232	TRUE	0.08	0.1181	0.97	0.581289
24920-6	GLSK	GLSK	Glutaminase kidney isoform, mitochondrial	O94925	GLS	64215	TRUE	0.09	0.0987	0.537	0.079825
24931-9	ES8L3	ES8L3	Epidermal growth factor receptor kinase substrate 8-like protein 3	Q8TE67	EPS8L3	2744	TRUE	0.09	0.1188	0.444	0.048987
24935-62	FOXP1	FOXP1	Forkhead box protein P1	Q9H334	FOXP1	79574	TRUE	0.09	0.1603	0.184	0.409715
24944-12	REPS2	REPS2	RalBP1-associated Eps domain-containing protein 2	Q8NFH8	REPS2	27086	TRUE	0.19	0.2253	0.586	0.204835
24953-27	KIF3B	KIF3B	Kinesin-like protein KIF3B	O15066	KIF3B	9371	TRUE	0.15	0.149	0.47	0.136036
24956-1	MTA70	MTA70	N6-adenosine-methyltransferase 70 kDa subunit	Q86U44	METTL3	56339	TRUE	0.09	0.1265	0.18	0.418951
24960-48	HIP1R	HIP1R	Huntingtin-interacting protein 1-related protein	O75146	HIP1R	9026	TRUE	0.09	0.0994	0.25	0.174052
24962-7	SH3K1	SH3K1	SH3 domain-containing kinase-binding protein 1	Q96B97	SH3KBP1	30011	TRUE	0.09	0.1642	0.121	0.247696
24963-1	ARMC3	ARMC3	Armadillo repeat-containing protein 3	Q5W041	ARMC3	21968	TRUE	0.08	0.1521	1.814	0.208861
24967-4	PCDH1	PCDH1	Protocadherin-1	Q08174	PCDH1	1	TRUE	0.23	0.4175	0.333	0.293622
25052-3	CRLF3	CRLF3	Cytokine receptor-like factor 3	Q8IUI8	CRLF3	5097	TRUE	0.24	0.2287	2.339	0.44072

25058-23	PITM3	PITM3	Membrane-associated phosphatidylinositol transfer protein 3	Q9BZ71	PITPNM	3	83394	TRUE	0.11	0.1266	0.396	0.158407
25091-83	FNBP2	FNBP2	SLIT-ROBO Rho GTPase-activating protein 2	O75044	SRGAP2	23380	TRUE	0.16	0.3298	0.402	0.217745	
25110-19	EXOC7	EXOC7	Exocyst complex component 7	Q9UPT5	EXOC7	23265	TRUE	0.14	0.1116	0.485	0.215911	
25112-6	KS6B2	KS6B2	Ribosomal protein S6 kinase beta-2	Q9UBS0	RPS6KB2	6199	TRUE	0.11	0.0871	1.34	0.26612	
25238-6	B2L14	B2L14	Apoptosis facilitator Bcl-2-like protein 14	Q9BZR8	BCL2L14	79370	TRUE	0.16	0.3122	0.368	0.538943	
25282-6	AZIN1	AZIN1	Antizyme inhibitor 1	O14977	AZIN1	51582	TRUE	0.32	0.4006	0.327	0.333525	
25283-2	CTNA3	CTNA3	Catenin alpha-3	Q9UI47	CTNNA3	29119	TRUE	0.08	0.1221	0.233	0.234855	
25296-3	AMOT	AMOT	Angiomotin	Q4VCS5	AMOT	6	TRUE	0.12	0.1478	0.196	0.322602	
25300-39	MALT1	MALT1	Mucosa-associated lymphoid tissue lymphoma translocation protein 1	Q9UDY8	MALT1	10892	TRUE	0.09	0.0912	0.359	0.377815	
25301-48	DYR1A	DYR1A	Dual specificity tyrosine-phosphorylation-regulated kinase 1A	Q13627	DYRK1A	1859	TRUE	0.09	0.1195	0.156	0.175981	
25306-51	DAXX	DAXX	DAXX	Q9UER7	DAXX	1616	TRUE	0.14	0.1101	0.827	0.297983	
25428-103	IFRD1	IFRD1	Interferon-related developmental regulator 1	O00458	IFRD1	3475	TRUE	0.1	0.1788	0.741	0.59647	
25452-16	MSD2	MSD2	Myb/SANT-like DNA-binding domain-containing protein 2	Q6P1R3	MSANTD	2	TRUE	0.14	0.196	0.348	0.309279	
25465-42	MLIP	MLIP	Muscular LMNA-interacting protein	Q5VWP3	MLIP	90523	TRUE	0.15	0.1175	0.388	0.364448	
25492-7	TOM1	TOM1	Target of Myb protein 1	O60784	TOM1	10043	TRUE	0.16	0.1569	0.734	0.594614	
2558-51	Endorphin	Endorphin	Beta-endorphin	P01189	POMC	5443	TRUE	0.08	0.1146	0.383	0.240418	
25947-116	PK3C3	PK3C3	Phosphatidylinositol 3-kinase catalytic subunit type 3	Q8NEB9	PIK3C3	5289	TRUE	0.15	0.1457	0.421	0.06074	
25954-3	PTPRN	PTPRN	Receptor-type tyrosine-protein phosphatase-like N	Q16849	PTPRN	5798	TRUE	0.17	0.1854	1.518	0.342251	
2598-9	4-1BB	4-1BB	Tumor necrosis factor receptor superfamily member 9	Q07011	TNFRSF9	3604	TRUE	0.11	0.1212	0.166	0.710131	
2618-10	ERBB4	ERBB4	Receptor tyrosine-protein kinase erbB-4	Q15303	ERBB4	2066	TRUE	0.15	0.1524	0.322	0.347725	

2751-16	Azurocidin	Azurocidin	Azurocidin	P20160	AZU1	566	TRUE	0.16	0.1402	1.746	0.401485
2761-49	FGF-18	FGF-18	Fibroblast growth factor 18	O76093	FGF18	8817	TRUE	0.12	0.1275	2.48	0.610614
2773-50	IL-10	IL-10	Interleukin-10	P22301	IL10	3586	TRUE	0.08	0.1564	2.564	0.527824
2781-63	LAG-1	LAG-1	C-C motif chemokine 4-like	Q8NHW4	CCL4L1	2	TRUE	0.08	0.1591	2.142	0.375809
2783-18	LD78-beta	LD78-beta	C-C motif chemokine 3-like 1	P16619	CCL3L1	2	TRUE	0.18	0.243	0.316	0.48486
2785-15	MCP-2	MCP-2	C-C motif chemokine 8	P80075	CCL8	6355	TRUE	0.08	0.1204	2.55	0.454166
2806-49	Activin RIB	Activin RIB	Activin receptor type-1B	P36896	ACVR1B	91	TRUE	0.16	0.1641	0.889	0.361522
2809-25	ADAMTS-4	ADAMTS-4	A disintegrin and metalloproteinase with thrombospondin motifs 4	O75173	ADAMTS4	9507	TRUE	0.1	0.1665	0.272	0.44125
2839-2	OX40 Ligand	OX40 Ligand	Tumor necrosis factor ligand superfamily member 4	P23510	TNFSF4	7292	TRUE	0.09	0.1897	0.958	0.29377
2857-70	Glucocorticoid receptor	Glucocorticoid receptor	Glucocorticoid receptor	P04150	NR3C1	2908	TRUE	0.13	0.1629	0.318	0.495312
2876-74	Topoisomerase I	Topoisomerase I	DNA topoisomerase 1	P11387	TOP1	7150	TRUE	0.26	0.3884	0.395	0.548602
2917-3	sRANKL	sRANKL	Tumor necrosis factor ligand superfamily member 11	O14788	TNFSF11	8600	TRUE	0.21	0.3953	0.328	0.397847
2993-1	IL-18 Rb	IL-18 Rb	Interleukin-18 receptor accessory protein	O95256	IL18RAP	8807	TRUE	0.09	0.1357	0.165	0.140227
3003-29	NKp30	NKp30	Natural cytotoxicity triggering receptor 3	O14931	NCR3	7	TRUE	0.09	0.1857	7.998	0.100924
3010-53	TSLP	TSLP	Thymic stromal lymphopoietin	Q969D9	TSLP	85480	TRUE	0.08	0.257	0.27	0.198559
3037-62	IL-1b	IL-1b	Interleukin-1 beta	P01584	IL1B	3553	TRUE	0.1	0.1419	0.307	0.507379
3038-9	I-TAC	I-TAC	C-X-C motif chemokine 11	O14625	CXCL11	6373	TRUE	0.08	1.1792	0.632	0.323991
3056-11	NKG2D	NKG2D	NKG2-D type II integral membrane protein	P26718	KLRK1	8032	TRUE	0.18	0.1861	0.429	0.291809
3065-65	FGF-5	FGF-5	Fibroblast growth factor 5	P12034	FGF5	2250	TRUE	0.15	0.1405	0.405	0.277697
3078-1	PIGF	PIGF	Placenta growth factor	P49763	PGF	5228	TRUE	0.08	0.1612	1.321	0.166606
3081-70	ULBP-1	ULBP-1	NKG2D ligand 1	Q9BZM6	ULBP1	80329	TRUE	0.08	0.1893	0.501	0.324214
3082-9	ULBP-2	ULBP-2	NKG2D ligand 2	Q9BZM5	ULBP2	80328	TRUE	0.11	0.1225	0.353	0.140687

3174-2	ATS1	ATS1	A disintegrin and metalloproteinase with thrombospondin motifs 1	Q9UHI8	1	9510	TRUE	0.09	0.2015	0.307	0.22855
3189-61	Enterokinase	Enterokinase	Enteropeptidase	P98073	15	5651	TRUE	0.07	0.1463	0.213	0.34887
3312-64	FCGR1	FCGR1	High affinity immunoglobulin gamma Fc receptor I	P12314	FCGR1A	2209	TRUE	0.11	0.2458	0.527	0.329379
3321-2	IL24	IL24	Interleukin-24	Q13007	IL24	11009	TRUE	0.06	0.1315	0.315	0.181192
3350-53	CAMK2A	CAMK2A	Calcium/calmodulin-dependent protein kinase type II subunit alpha	Q9UQM7	CAMK2A	815	TRUE	0.08	0.1373	0.496	0.445695
3357-67	CDK2/cyclin A	CDK2/cyclin A	Cyclin-dependent kinase 2:Cyclin-A2 complex	P20248 P24941	CCNA2 CDK2	890 1017	TRUE	0.11	0.1018	0.216	0.117593
3373-5	H	me H	Granzyme H	P20718	GZMH	2999	TRUE	0.08	0.1412	0.469	0.620729
3374-49	HCK	HCK	Tyrosine-protein kinase HCK	P08631	HCK	3055	TRUE	0.27	0.2546	0.302	0.483495
3394-81	PLK-1	PLK-1	Serine/threonine-protein kinase PLK1	P53350	PLK1	5347	TRUE	0.08	0.146	0.62	0.120353
3432-21	EPHA3	EPHA3	Ephrin type-A receptor 3	P29320	EPHA3	2042	TRUE	0.12	0.3341	0.318	0.376671
3486-58	b-ECGF	b-ECGF	Fibroblast growth factor 1	P05230	FGF1	2246	TRUE	0.07	0.1931	0.177	0.374762
3487-32	BLC	BLC	C-X-C motif chemokine 13	O43927	CXCL13	10563	TRUE	0.08	0.1163	0.244	0.111879
3494-71	FGF-17	FGF-17	Fibroblast growth factor 17	O60258	FGF17	8822	TRUE	0.18	0.0818	0.09	0.043886
3499-77	IL-17B	IL-17B	Interleukin-17B	Q9UHF5	IL17B	27190	TRUE	0.11	0.0987	0.145	0.154616
3538-26	dopa decarboxylase	dopa decarboxylase	Aromatic-L-amino-acid decarboxylase	P20711	DDC	1644	TRUE	0.1	0.1454	0.153	0.141667
3723-1	BNP-32	BNP-32	Brain natriuretic peptide 32	P16860	NPPB	4879	TRUE	0.09	0.0791	0.169	0.299363
3728-52	Secretin	Secretin	Secretin	P09683	SCT	6343	TRUE	0.13	0.1571	0.586	0.125473
3796-79	ANGL4	ANGL4	Angiopoietin-related protein 4	Q9BY76	4	51129	TRUE	0.09	0.1748	0.778	0.243239
3797-1	2	2	Cadherin-2	P19022	CDH2	1000	TRUE	0.13	0.1795	0.343	0.308172
3798-71	Carbonic anhydrase 9	Carbonic anhydrase 9	Carbonic anhydrase 9	Q16790	CA9	768	TRUE	0.13	0.1478	0.309	0.287283
3808-76	FGFR-2	FGFR-2	Fibroblast growth factor receptor 2	P21802	FGFR2	2263	TRUE	0.12	0.0816	2.38	0.53227

3815-14	IL-12 RB2	IL-12 RB2	Interleukin-12 receptor subunit beta-2	Q99665	IL12RB2	3595	TRUE	0.16	0.1318	0.175	0.491644
3823-9	MATK	MATK	Megakaryocyte-associated tyrosine-protein kinase	P42679	MATK	4145	TRUE	0.21	0.1371	0.173	0.479164
3828-54	PDGF-CC	PDGF-CC	Platelet-derived growth factor C	Q9NRA1	PDGFC	56034	TRUE	0.09	0.1393	0.658	0.621789
3831-21	pTEN	pTEN	Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	P60484	PTEN	5728	TRUE	0.08	0.1547	0.579	0.351257
3832-51	PTK6	PTK6	Protein-tyrosine kinase 6	Q13882	PTK6	5753	TRUE	0.12	0.1352	0.221	0.427162
3860-7	PSA6	PSA6	Proteasome subunit alpha type-6	P60900	PSMA6	5687	TRUE	0.1	0.1482	0.213	0.295476
3864-5	RS7	RS7	40S ribosomal protein S7	P62081	RPS7	6201	TRUE	0.09	0.1409	0.313	0.13055
3875-62	ARI3A	ARI3A	AT-rich interactive domain-containing protein 3A	Q99856	ARID3A	1820	TRUE	0.12	0.2447	0.383	0.643511
3881-49	DLC8	DLC8	Dynein light chain 1, cytoplasmic	P63167	DYNLL1	8655	TRUE	0.13	0.1859	0.257	0.261202
3889-64	Lamin-B1	Lamin-B1	Lamin-B1	P20700	LMNB1	4001	TRUE	0.13	0.1165	0.143	0.377432
3891-56	MBD4	MBD4	Methyl-CpG-binding domain protein 4	O95243	MBD4	8930	TRUE	0.07	0.1322	1.697	0.393992
3902-21	SKP1	SKP1	S-phase kinase-associated protein 1	P63208	SKP1	6500	TRUE	0.17	0.1419	0.175	0.414404
4137-57	IL-17E	IL-17E	Interleukin-25	Q9H293	IL25	64806	TRUE	0.08	0.1956	5.528	0.239148
4143-74	Lymphotactin	Lymphotactin	Lymphotactin	P47992	XCL1	6375	TRUE	0.1	0.1451	0.399	0.760188
4144-13	MCP-4	MCP-4	C-C motif chemokine 13	Q99616	CCL13	6357	TRUE	0.11	0.3118	0.362	0.218429
4163-5	H2A.z	H2A.z	Histone H2A.z	P0C0S5	H2AZ1	3015	TRUE	0.11	0.1619	0.293	0.364667
4245-80	MDM2	MDM2	E3 ubiquitin-protein ligase Mdm2	Q00987	MDM2	4193	TRUE	0.07	0.1033	0.285	0.303403
4271-75	PFD5	PFD5	Prefoldin subunit 5	Q99471	PFDN5	5204	TRUE	0.21	0.1471	0.15	0.475547
4278-14	Protein disulfide-isomerase	Protein disulfide-isomerase	Protein disulfide-isomerase	P07237	P4HB	5034	TRUE	0.12	0.334	0.26	0.638421
4330-4	PSA	PSA	Prostate-specific antigen	P07288	KLK3	354	TRUE	0.09	0.2117	0.688	0.276006
4394-71	FGF-8A	FGF-8A	Fibroblast growth factor 8 isoform A	P55075	FGF8	2253	TRUE	0.06	0.1364	0.323	0.541055

4420-7	ADAM12	ADAM12	Disintegrin and metalloproteinase domain-containing protein 12	O43184	ADAM12	8038	TRUE	0.16	0.1607	0.836	0.266924
4429-51	CHST6	CHST6	Carbohydrate sulfotransferase 6	Q9GZX3	CHST6	4166	TRUE	0.08	0.1614	0.187	0.333379
4440-15	FCRL3	FCRL3	Fc receptor-like protein 3	Q96P31	FCRL3	11535	TRUE	0.13	0.1219	0.229	0.225965
4703-87	TNF-b	TNF-b	Lymphotoxin-alpha	P01374	LTA	2	TRUE	0.09	0.1128	0.145	0.097051
4771-10	ASM3A	ASM3A	Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	SMPDL3	10924	TRUE	0.09	0.1665	0.37	0.093571
4859-6	BMPR1A	BMPR1A	Bone morphogenetic protein receptor type-1A	P36894	BMPR1A	657	TRUE	0.11	0.1116	0.292	0.116782
4889-82	WNT7A	WNT7A	Protein Wnt-7a	O00755	WNT7A	7476	TRUE	0.09	0.1134	0.439	0.248772
4909-68	Galectin-8	Galectin-8	Galectin-8	O00214	LGALS8	3964	TRUE	0.06	0.1032	0.41	0.305046
4915-64	Hemoglobin	Hemoglobin	Hemoglobin	P68871	HBB HBA1	3043	TRUE	0.09	0.3049	4.983	0.331803
4963-19	ARP19	ARP19	cAMP-regulated phosphoprotein 19	P69905	ARPP19	3039	TRUE	0.15	0.1661	0.216	0.195189
4970-55	carbonic anhydrase II	carbonic anhydrase II	Carbonic anhydrase 2	P56211	CA2	10776	TRUE	0.11	0.0873	0.527	0.360452
4973-18	clAP-2	clAP-2	Baculoviral IAP repeat-containing protein 3	P00918	BIRC3	760	TRUE	0.12	0.1546	1.122	0.188512
4993-16	GSTA3	GSTA3	Glutathione S-transferase A3	Q13489	GSTA3	330	TRUE	0.11	0.1526	0.938	0.457916
4997-19	IF4A3	IF4A3	Eukaryotic initiation factor 4A-III	Q16772	EIF4A3	2940	TRUE	0.07	0.1288	0.186	0.285611
5026-66	RS3	RS3	40S ribosomal protein S3	P38919	RPS3	9775	TRUE	0.11	0.124	0.249	0.541717
5035-7	TS	TS	Thymidylate synthase	P23396	TYMS	6188	TRUE	0.84	4.3288	0.922	0.379957
5062-60	CD226	CD226	CD226 antigen	Q15762	CD226	10666	TRUE	0.08	0.1128	0.302	0.062765
5070-76	DcR3	DcR3	Tumor necrosis factor receptor superfamily member 6B	Q95407	TNFRSF6	8771	TRUE	0.09	0.1287	0.137	0.203623
5088-175	IL-23 R	IL-23 R	Interleukin-23 receptor	Q5VVK5	IL23R	14923	TRUE	0.07	0.1636	0.178	0.153
5094-62	JAML1	JAML1	Junctional adhesion molecule-like	Q86YT9	JAML	12042	TRUE	0.12	0.1036	0.257	0.106791
5106-52	NOTC2	NOTC2	Neurogenic locus notch homolog protein 2	Q04721	NOTCH2	4853	TRUE	0.1	0.0908	0.857	0.102141
5110-84	NRX1B	NRX1B	Neurexin-1-beta	P58400	NRXN1	9378	TRUE	0.12	0.1187	0.34	0.196832

5122-92	Semaphorin-6A	Semaphorin-6A	Semaphorin-6A	Q9H2E6	SEMA6A	57556	TRUE	0.18	0.3624	0.164	0.258615
5131-15	TAJ	TAJ	Tumor necrosis factor receptor superfamily member 19	Q9NS68	TNFRSF1 9	55504	TRUE	0.1	0.1416	0.223	0.216622
5183-53	AMPK a1b1g1	AMPK a1b1g1	AMP Kinase (alpha1beta1gamma1)	P54619 Q9Y478 Q13131	PRKAB1 PRKAA1	5571 5564	TRUE	0.09	0.171	0.17	0.2399
5224-20	CSK21	CSK21	Casein kinase II subunit alpha	P68400	CSNK2A	1	TRUE	0.12	0.2087	1.449	0.433227
5236-2	NR1D1	NR1D1	Nuclear receptor subfamily 1 group D member 1	P20393	NR1D1	9572	TRUE	0.08	0.169	0.69	0.133506
5238-26	PPIE	PPIE	Peptidyl-prolyl cis-trans isomerase E	Q9UNP9	PPIE	10450	TRUE	0.07	0.163	0.524	0.315089
5604-30	HPSE	HPSE	Heparanase	Q9Y251	HPSE	10855	TRUE	0.1	0.1076	0.215	0.136982
5609-92	F19A5	F19A5	Protein FAM19A5	Q7Z5A7	TAFAS FAM171	25817 22106	TRUE	0.07	0.0952	0.429	0.064159
5610-32	CJ038	CJ038	Protein FAM171A1	Q5VUB5	A1	1	TRUE	0.09	0.1006	0.782	0.2516
5613-75	NTAL	NTAL	Linker for activation of T-cells family member 2	Q9GZY6	LAT2 FAM172	7462	TRUE	0.11	0.058	0.691	0.324537
5615-62	F172A	F172A	Protein FAM172A	Q8WUF8	A	83989	TRUE	0.09	0.1496	1.172	0.452012
5621-64	THSD1	THSD1	Thrombospondin type-1 domain-containing protein 1	Q9NS62	THSD1	55901	TRUE	0.07	0.1041	0.354	0.12032
5626-20	CTRC	CTRC	Chymotrypsin-C	Q99895	CTRC	11330	TRUE	0.1	0.1627	0.508	0.556478
5629-58	NKG2A	NKG2A	NKG2-A/NKG2-B type II integral membrane protein	P26715	KLRC1	3821	TRUE	0.07	0.1543	0.203	0.216598
5638-23	GT251	GT251	Procollagen galactosyltransferase 1	Q8NBJ5	COLGAL T1	79709	TRUE	0.06	0.1744	0.189	0.057977
5639-49	NETO1	NETO1	Neuropilin and tolloid-like protein 1	Q8TDF5	NETO1	81832	TRUE	0.13	0.2302	1.463	0.373545
5651-50	PSG7	PSG7	Putative pregnancy-specific beta-1-glycoprotein 7	Q13046	PSG7	5676	TRUE	0.08	0.1032	0.636	0.257087
5656-53	PP11	PP11	Poly(U)-specific endoribonuclease	P21128	ENDOU	8909	TRUE	0.21	0.1081	0.911	0.245886
5663-18	PF4V	PF4V	Platelet factor 4 variant	P10720	PF4V1	5197	TRUE	0.12	0.1539	0.243	0.135596
5664-57	D106A	D106A	Beta-defensin 106	Q8N104	DEFB106 A	24590 9	TRUE	0.2	0.1268	0.211	0.270565
5667-3	SEM3B	SEM3B	Semaphorin-3B	Q13214	SEMA3B	7869	TRUE	0.18	0.2109	1.393	0.258925

5669-26	SIRB2	SIRB2	Signal-regulatory protein beta-2	Q5JXA9	SIRPB2	28475	9	TRUE	0.11	0.3318	0.289	0.340719	
5679-16	HBD-3	HBD-3	Beta-defensin 103	P81534	DEFB103	41432	A	5	TRUE	0.08	0.0628	0.118	0.16267
5690-49	TUFT1	TUFT1	Tuftelin	Q9NNX1	TUFT1	7286			TRUE	0.22	2.4987	0.265	0.233825
5692-79	TNF-a	TNF-a	Tumor necrosis factor	P01375	TNF	7124			TRUE	0.15	0.2626	0.464	0.100923
5713-9	IFN-lambda 3	IFN-lambda 3	Interferon lambda-3	Q8IZI9	IFNL3	28261		7	TRUE	0.13	0.1516	0.316	0.123999
5714-88	IFNA6	IFNA6	Interferon alpha-6	P05013	IFNA6	3443			TRUE	0.11	0.1437	0.329	0.157055
5719-66	CI061	CI061	Protein FAM189A2	Q15884	FAM189	9413	A2		TRUE	0.07	0.1183	0.166	0.532695
5724-58	SBSN	SBSN	Suprabasin	Q6UWP8	SBSN	37489		7	TRUE	0.18	0.0926	0.699	0.18175
5729-27	SOST	SOST	Sclerostin	Q9BQB4	SOST	50964			TRUE	0.13	0.1299	0.178	0.126734
5730-60	BRAK	BRAK	C-X-C motif chemokine 14	O95715	CXCL14	9547			TRUE	0.05	0.178	0.137	0.045422
5733-61	IFN10	IFN10	Interferon alpha-10	P01566	IFNA10	3446			TRUE	0.09	0.1292	0.542	0.035917
5743-82	CART	CART	Cocaine- and amphetamine-regulated transcript protein	Q16568	CARTPT	9607			TRUE	0.11	0.2486	0.538	0.13667
5747-67	Osteocalcin	Osteocalcin	Osteocalcin	P02818	BGLAP	632			TRUE	0.2	0.1764	0.276	0.393377
5754-76	INSL6	INSL6	Insulin-like peptide INSL6	Q9Y581	INSL6	11172			TRUE	0.11	0.1638	0.143	0.272288
5755-29	GIP	GIP	Gastric inhibitory polypeptide	P09681	GIP	2695			TRUE	0.06	0.0888	0.714	0.111412
5757-45	GNAS3	GNAS3	Neuroendocrine secretory protein 55	O95467	GNAS	2778			TRUE	0.1	0.1413	0.379	0.140535
5764-4	GALT2	GALT2	Polypeptide N-acetylgalactosaminyltransferase 2	Q10471	GALNT2	2590			TRUE	0.09	0.0887	0.59	0.235407
5813-58	Epo	Epo	Erythropoietin	P01588	EPO	2056			TRUE	0.09	0.2631	0.656	0.076314
5822-22	GDNF	GDNF	Glial cell line-derived neurotrophic factor	P39905	GDNF	2668			TRUE	0.2	0.1685	0.196	0.381135
5834-18	IL-9	IL-9	Interleukin-9	P15248	IL9	3578			TRUE	0.09	0.1587	0.224	0.647587
5854-60	tau	tau	Microtubule-associated protein tau	P10636	MAPT	4137			TRUE	0.08	0.0965	0.292	0.359743
5915-58	PEX5	PEX5	Peroxisomal targeting signal 1 receptor	P50542	PEX5	5830			TRUE	0.07	0.1174	0.427	0.399659
5936-53	TNF-a	TNF-a	Tumor necrosis factor	P01375	TNF	7124			TRUE	0.11	0.1348	0.145	0.400015
5980-55	BOLA3	BOLA3	BOLA-like protein 3	Q53S33	BOLA3	38896		2	TRUE	0.11	0.1712	0.682	0.066943

6899-37	PHS2	PHS2	Pterin-4-alpha-carbinolamine dehydratase 2	Q9H0N5	PCBD2	84105	TRUE	0.12	0.1427	0.114	0.033862
6907-17	TMC5A	TMC5A	Transmembrane and coiled-coil domain-containing protein 5A	Q8N6Q1	TMCO5A 2	14594	TRUE	0.07	0.1176	0.178	0.088822
6913-189	HMG-2	HMG-2	High mobility group protein B2	P26583	HMGB2	3148	TRUE	0.77	0.1646	0.502	0.539022
6929-10	SIA8C	SIA8C	Sia-alpha-2,3-Gal-beta-1,4-GlcNAc-R:alpha 2,8-sialyltransferase	O43173	ST8SIA3	51046	TRUE	0.14	0.1831	1.088	0.561677
6937-251	CA043	CA043	Uncharacterized protein C1orf43	Q9BWL3	C1orf43	25912	TRUE	0.13	0.1631	5.898	0.403313
6969-14	WFDC5	WFDC5	WAP four-disulfide core domain protein 5	Q8TCV5	WFDC5	14970	TRUE	0.14	0.1527	0.171	0.398982
6974-6	HG2A	HG2A	HLA class II histocompatibility antigen gamma chain	P04233	CD74	972	TRUE	0.1	0.1166	0.411	0.060737
7007-24	TRAPPC4	TRAPPC4	Trafficking protein particle complex subunit 4	Q9Y296	TRAPPC4	51399	TRUE	0.09	0.1457	0.46	0.389928
7066-199	F209B	F209B	Protein FAM209B	Q5JX69	FAM209B	38879	TRUE	0.08	0.161	0.923	0.33126
7070-25	KELL	KELL	Kell blood group glycoprotein	P23276	KEL	3792	TRUE	0.09	0.1616	0.181	0.055557
7073-69	CV015	CV015	Uncharacterized protein C22orf15	Q8WYQ4	C22orf15	15024	TRUE	0.06	0.104	1.309	0.333498
7084-1	DRAXI	DRAXI	Draxin	Q8NBI3	DRAXIN	37494	TRUE	0.11	0.1014	0.244	0.359112
7099-33	FSTL5	FSTL5	Follistatin-related protein 5	Q8N475	FSTL5	56884	TRUE	0.07	0.138	0.421	0.139614
7116-31	OSCAR	OSCAR	Osteoclast-associated immunoglobulin-like receptor	Q8IYS5	OSCAR	12601	TRUE	0.18	0.161	0.35	0.177955
7134-14	Bcl-W	Bcl-W	Apoptosis is regulator Bcl-2-like protein 2	Q92843	BCL2L2	599	TRUE	0.09	0.1118	0.246	0.261252
7136-107	Hemoglobin epsilon chain	Hemoglobin epsilon chain	Hemoglobin subunit epsilon	P02100	HBE1	3046	TRUE	0.12	0.1195	0.635	0.278909
7146-16	PDIA4	PDIA4	Protein disulfide-isomerase A4	P13667	PDIA4	9601	TRUE	0.1	0.1071	0.143	0.057202
7153-66	NGRN	NGRN	Neugrin	Q9NPE2	NGRN	51335	TRUE	0.1	0.0866	0.991	0.054556
7180-114	IFN14	IFN14	Interferon alpha-14	P01570	IFNA14	3448	TRUE	0.31	0.1467	0.34	0.826938
7186-111	STX3	STX3	Syntaxin-3	Q13277	STX3	6809	TRUE	0.08	0.3347	1.186	0.044656

7192-37	CRF2-12	CRF2-12	Interferon lambda receptor 1	Q8IU57	IFNLR1	2	TRUE	0.09	0.1295	0.132	0.543928
7199-3	SYN3	SYN3	Synapsin-3	O14994	SYN3	8224	TRUE	0.55	0.1374	0.16	0.390625
7200-4	LRFN2	LRFN2	Leucine-rich repeat and fibronectin type-III domain-containing protein 2	Q9ULH4	LRFN2	57497	TRUE	0.22	2.2556	1.977	0.426738
7204-1	CEA21	CEA21	Carcinoembryonic antigen-related cell adhesion molecule 21	Q3KPI0	CEACAM21	90273	TRUE	0.08	0.1303	0.829	0.288844
7219-152	HSP 70	HSP 70	Heat shock 70 kDa protein 1A	P0DMV8	HSPA1A	3303	TRUE	0.15	0.1662	0.37	0.436777
7225-51	MMGT1	MMGT1	Membrane magnesium transporter 1	Q8N4V1	MMGT1	93380	TRUE	0.19	0.2054	0.338	0.682881
7240-2	MBTP1	MBTP1	Membrane-bound transcription factor site-1 protease	Q14703	MBTPS1	8720	TRUE	0.08	0.1568	1.027	0.302125
7246-4	FREM2	FREM2	FRAS1-related extracellular matrix protein 2	Q5SZK8	FREM2	34164 0	TRUE	0.11	0.1235	1.467	0.409483
7247-1	GORAB	GORAB	RAB6-interacting golgin	Q5T7V8	GORAB	92344	TRUE	0.18	0.2999	0.297	0.572432
7253-6	QKI	QKI	Protein quaking	Q96PU8	QKI	9444	TRUE	0.11	0.1708	0.763	0.398446
7265-32	OSTN	OSTN	Osteocrin	P61366	OSTN	34490 1	TRUE	0.15	0.1438	1.419	0.385143
7267-2	LCB2	LCB2	palmitoyltransferase 2	O15270	SPTLC2	9517	TRUE	0.15	0.2445	0.279	0.302052
7625-27	14-3-3 protein theta	14-3-3 protein theta	14-3-3 protein theta	P27348	YWHAQ	10971	TRUE	0.3	1.5541	0.39	0.206072
7713-50	FMR1	FMR1	Fragile X mental retardation protein 1	Q06787	FMR1	2332	TRUE	0.07	0.1591	0.286	0.104571
7732-45	VAMP4	VAMP4	Vesicle-associated membrane protein 4	O75379	VAMP4	8674	TRUE	0.1	0.1237	2.251	0.419923
7756-37	KLRF1	KLRF1	Killer cell lectin-like receptor subfamily F member 1	Q9NZS2	KLRF1	51348	TRUE	0.11	0.1321	0.801	0.437064
7786-83	CLC2B	CLC2B	C-type lectin domain family 2 member B	Q92478	CLEC2B	9976	TRUE	0.19	0.4481	0.734	0.035217
7789-182	PRDX4	PRDX4	Peroxisome proliferator-activated receptor gamma coactivator 1 gamma	Q13162	PRDX4	10549	TRUE	0.09	0.1357	0.232	0.062764
7792-58	CC90B	CC90B	Coiled-coil domain-containing protein 90B, mitochondrial	Q9GZT6	CCDC90B	60492	TRUE	0.19	0.1812	0.815	0.399232
7797-11	CC167	CC167	Coiled-coil domain-containing protein 167	Q9POB6	CCDC167	15446 7	TRUE	0.16	0.2228	0.318	0.317116
7803-4	CHST1	CHST1	Carbohydrate sulfotransferase 1	O43916	CHST1	8534	TRUE	0.1	0.1196	0.537	0.081689

7813-6	Alkaline phosphatase, placental	Alkaline phosphatase, placental	Alkaline phosphatase, placental type	P05187	ALPP	250	TRUE	0.25	0.159	1.599	0.462146
7815-49	IBPL1	IBPL1	Insulin-like growth factor-binding protein-like 1	Q8WX77	IGFBPL1	2	TRUE	0.08	0.1726	0.253	0.348525
7821-6	C1D	C1D	Nuclear nucleic acid-binding protein C1D	Q13901	C1D	10438	TRUE	0.12	0.1189	0.182	0.395412
7827-20	ADA32	ADA32	Disintegrin and metalloproteinase domain-containing protein 32	Q8TC27	ADAM32	2	TRUE	0.12	0.1522	0.907	0.391744
7851-30	ANR46	ANR46	Ankyrin repeat domain-containing protein 46	Q86W74	ANKRD4	6	TRUE	0.11	0.1297	3.714	0.170946
7854-38	NR3L1	NR3L1	Natural cytotoxicity triggering receptor 3 ligand 1	Q68D85	NCR3LG	1	TRUE	0.19	0.6712	1.58	0.567053
7865-126	HRSL3	HRSL3	HRAS-like suppressor 3	P53816	PLAAT3	11145	TRUE	0.1	0.1352	0.158	0.209831
7878-2	SC61B	SC61B	Protein transport protein Sec61 subunit beta	P60468	SEC61B	10952	TRUE	0.12	0.0835	0.276	0.573782
7886-26	SPTC1	SPTC1	Serine palmitoyltransferase 1	O15269	SPTLC1	10558	TRUE	0.07	0.1256	0.439	0.138268
7895-108	MRAP	MRAP	Melanocortin-2 receptor accessory protein	Q8TCY5	MRAP	56246	TRUE	0.13	0.1634	0.185	0.053759
7919-278	FAM3D	FAM3D	Protein FAM3D	Q96BQ1	FAM3D	7	TRUE	0.2	0.4703	0.819	0.237119
7920-30	SIA8B	SIA8B	Alpha-2,8-sialyltransferase 8B	Q92186	ST8SIA2	8128	TRUE	0.13	0.1314	0.523	0.039993
7924-7	CD3G	CD3G	T-cell surface glycoprotein CD3 gamma chain	P09693	CD3G	917	TRUE	0.09	0.1211	0.158	0.116498
7925-18	CL070	CL070	Single-pass membrane and coiled-coil domain-containing protein 2	A6NFE2	SMCO2	6	TRUE	0.07	0.0899	0.241	0.171736
7947-19	AP4AT	AP4AT	AP-4 complex accessory subunit tepsin	Q96N21	TEPSIN	5	TRUE	0.1	0.1051	0.402	0.280305
7950-142	BTNL9	BTNL9	Butyrophilin-like protein 9	Q6UXG8	BTNL9	9	TRUE	0.09	0.1076	0.227	0.098369
7951-146	FCRL2	FCRL2	Fc receptor-like protein 2	Q96LA5	FCRL2	79368	TRUE	0.1	0.0981	0.958	0.28548
7952-2	VTI1A	VTI1A	Vesicle transport through interaction with t-SNAREs homolog 1A	Q96AJ9	VTI1A	7	TRUE	0.13	0.2	1.439	0.280188

7960-53	POTEG	POTEG	POTE ankyrin domain family member G	Q6S5H5	POTEG	5	TRUE	0.15	0.1893	1.215	0.282572
7976-19	FRS1L	FRS1L	DOMON domain-containing protein FRS1L	Q9P0K9	FRS1L	23732	TRUE	0.16	0.4062	0.221	0.245985
7982-10	RM32	RM32	39S ribosomal protein L32, mitochondrial	Q9BYC8	MRPL32	64983	TRUE	0.09	0.1591	0.253	0.20026
7991-54	IQCF1	IQCF1	IQ domain-containing protein F1	Q8N6M8	IQCF1	1	TRUE	0.17	0.5021	0.344	0.136535
7997-118	DOC2B	DOC2B	Double C2-like domain-containing protein beta	Q14184	DOC2B	8447	TRUE	0.07	0.1023	1.657	0.46403
8008-28	HRK	HRK	Activator of apoptosis harakiri	O00198	HRK	8739	TRUE	0.11	0.1253	0.163	0.058498
8011-96	PAPL	PAPL	Iron/zinc purple acid phosphatase-like protein	Q6ZNF0	ACP7	8	TRUE	0.33	0.1136	0.23	0.338909
8032-23	MCCD1	MCCD1	Mitochondrial coiled-coil domain protein 1	P59942	MCCD1	0	TRUE	0.18	0.1139	6.943	0.317196
8036-75	FSHB	FSHB	Follitropin subunit beta	P01225	FSHB	2488	TRUE	0.12	0.3314	0.492	0.189754
8051-10	AGGF1	AGGF1	Angiogenic factor with G patch and FHA domains 1	Q8N302	AGGF1	55109	TRUE	0.11	0.1368	0.267	0.435621
8055-33	IDD	IDD	Integral membrane protein DGCR2/IDD	P98153	DGCR2	9993	TRUE	0.09	0.1385	0.833	0.608305
8060-7	NRG2	NRG2	Pro-neuregulin-2, membrane-bound isoform	O14511	NRG2	9542	TRUE	0.16	0.2982	0.172	0.067857
8061-102	F171B	F171B:C	FAM171B:Cytoplasmic domain	Q6P995	FAM171B	16521	TRUE	0.13	0.1087	0.766	0.092273
8065-245	PATE4	PATE4	Prostate and testis expressed protein 4	POC8F1	PATE4	8	TRUE	0.07	0.0751	0.173	0.042304
8071-114	PCDB7	PCDB7	Protocadherin beta-7	Q9Y5E2	PCDHB7	56129	TRUE	0.25	1.461	0.329	0.296685
8079-39	EID3	EID3	EP300-interacting inhibitor of differentiation 3	Q8N140	EID3	1	TRUE	0.25	0.1312	6.76	0.103031
8081-55	PLD5	PLD5	Inactive phospholipase D5	Q8N7P1	PLD5	0	TRUE	0.19	0.1722	1.617	0.3123
8094-20	CISD2	CISD2	CDGSH iron-sulfur domain-containing protein 2	Q8N5K1	CISD2	6	TRUE	0.07	0.1072	0.268	0.059366
8104-21	IL-10 Ra	IL-10 Ra:Ra:ECD	Interleukin-10 receptor subunit alpha:Extracellular domain	Q13651	IL10RA	3587	TRUE	0.15	0.1381	0.286	0.98123
8237-56	SOSD1	SOSD1	Sclerostin domain-containing protein 1	Q6X4U4	SOSTDC	1	TRUE	0.12	0.3177	2.205	0.611792

8253-2	PMGT1	PMGT1	Protein O-linked-mannose beta-1,2-N- acetylglucosaminyltransfe rase 1	Q8WZA1	POMGN T1	55624 24591	TRUE	0.13	0.137	0.359	0.546104
8340-9	DB110	DB110	Beta-defensin 110	Q30KQ9	DEFB110	3	TRUE	0.1	0.118	0.158	0.352642
8363- 18	K132L	K132L	UPF0577 protein KIAA1324-like	A8MWY0	ELAPOR 2	22222 3	TRUE	0.14	0.4589	1.743	0.313957
8367- 142	VSIG1	VSIG1	V-set and immunoglobulin domain-containing protein 1	Q86XK7	VSIG1	7	TRUE	0.09	0.1053	0.122	0.138528
8369- 102	DAG1	DAG1	Dystroglycan	Q14118	DAG1	1605	TRUE	0.09	0.1859	0.18	0.267913
8404- 102	BolA-like protein 2	BolA-like protein 2	BolA-like protein 2	Q9H3K6	BOLA2	0	TRUE	0.17	0.2193	0.344	0.320113
8446-4	PACAP-27	PACAP- 27	Pituitary adenylate cyclase- activating polypeptide 27	P18509	ADCYAP	1	TRUE	0.09	0.2008	1.37	0.168998
8470- 213	RNase H1	RNase H1	Ribonuclease H1	O60930	RNASEH	24624 3	TRUE	0.12	0.1221	0.239	0.554536
8520-8	ADA30	ADA30	Disintegrin and metalloproteinase domain- containing protein 30	Q9UKF2	ADAM30	11085	TRUE	0.15	0.1461	0.119	0.22699
8545- 14	CQ078	CQ078:C- term	Uncharacterized protein C17orf78:C-term	Q8N4C9	C17orf7 8	28409 9	TRUE	0.08	0.1559	0.104	0.224499
8556-5	F134B	F134B	Protein FAM134B	Q9H6L5	RETREG	1	TRUE	0.11	0.1178	1.451	0.522598
8569- 147	ARL8B	ARL8B	ADP-ribosylation factor- like protein 8B	Q9NVJ2	ARL8B	55207	TRUE	0.16	0.5321	0.385	0.415401
8624- 16	UNC5H4	UNC5H4	Netrin receptor UNC5D Cysteine-rich motor neuron 1	Q6UXZ4	UNC5D	0	TRUE	0.15	0.1617	0.225	0.369598
8699- 43	CRIM1	CRIM1:C D	protein:Cytoplasmic domain	Q9NZV1	CRIM1	51232	TRUE	0.19	0.19	0.333	0.471257
8748- 45	HG2A	HG2A	HLA class II histocompatibility antigen gamma chain	P04233	CD74	972	TRUE	0.08	0.1828	0.448	0.148459
8750- 46	Vinculin	Vinculin	Vinculin	P18206	VCL	7414	TRUE	0.09	0.106	1.213	0.156636
8754-5	NMU	NMU	Neuromedin-U	P48645	NMU	10874	TRUE	0.14	0.1119	0.187	0.124468

			Potassium voltage-gated channel subfamily E regulatory beta subunit									
8756-41	KCE1L	KCE1L:N-term	5:N-term, opposite side of membrane	Q9UJ90	KCNE5	23630	TRUE	0.1	0.1683	0.191	0.080643	
8772-5	EFNB2	EFNB2:C	Ephrin-B2:Cytoplasmic domain	P52799	EFNB2	1948	TRUE	0.12	0.1281	0.991	0.178776	
8784-7	F175A	F175A	BRCA1-A complex subunit Abraxas	Q6UWZ7	ABRAXA S1	84142	TRUE	0.06	0.1345	0.15	0.190515	
8803-61	nectin-1 gamma	nectin-1 gamma:CD	Nectin-1, isoform gamma:Cytoplasmic domain	Q15223	NECTIN1	5818	TRUE	0.07	0.0936	0.132	0.118564	
8804-39	COKA1	COKA1	COL20A Collagen alpha-1(XX) chain	Q9P218	1	57642	TRUE	0.08	0.108	1.087	0.067354	
8807-13	SNX1	SNX1	Sorting nexin-1	Q13596	SNX1	6642	TRUE	0.22	0.0949	1.203	0.141189	
8818-13	INGR2	INGR2:C	Interferon gamma receptor 2:Cytoplasmic domain	P38484	IFNGR2	3460	TRUE	0.07	0.1102	0.112	0.081971	
8825-4	PILRA	PILRA	Paired immunoglobulin-like type 2 receptor alpha	Q9UKJ1	PILRA	29992	TRUE	0.11	0.1534	0.186	0.060594	
8834-58	Calnexin	Calnexin	Calnexin	P27824	CANX	821	TRUE	0.07	0.0606	0.275	0.040106	
8839-4	Metaxin-2	Metaxin-2	Metaxin-2	O75431	MTX2	10651	TRUE	0.09	0.0847	0.191	0.239348	
8850-5	PA2GC	PA2GC	Putative inactive group IIC secretory phospholipase A2	Q5R387	PLA2G2C		TRUE	0.09	0.107	0.402	0.663129	
8858-21	BATF3	BATF3	Basic leucine zipper transcriptional factor ATF-like 3	Q9NR55	BATF3	55509	TRUE	0.08	0.1196	0.224	0.095215	
8874-53	CLN5	CLN5:LD	Ceroid-lipofuscinosis neuronal protein 5:Lumenal domain	O75503	CLN5	1203	TRUE	0.09	0.1272	0.272	0.082038	
8876-51	NRX2B	NRX2B	Neurexin-2-beta	P58401	NRXN2	9379	TRUE	0.13	0.1494	0.225	0.175733	
8882-1	ADAM 17	ADAM 17:CD	Disintegrin and metalloproteinase domain-containing protein 17:Cytoplasmic domain	P78536	ADAM17	6868	TRUE	0.21	0.1457	1.635	0.215146	
8892-14	PEAR1	PEAR1:C	Platelet endothelial aggregation receptor 1:Cytoplasmic domain	Q5VY43	PEAR1	37503	TRUE	0.08	0.1071	1.613	0.035612	
8899-75	UD18	UD18	UDP-glucuronosyltransferase 1-8	Q9HAW9	UGT1A8	54576	TRUE	0.09	0.1415	1.907	0.099293	
8927-6	CG073	CG073	Uncharacterized protein C7orf73	E0CX11	STMP1	64708	TRUE	0.08	0.1275	0.597	0.079648	

8933-84	MEF2C	MEF2C	Myocyte-specific enhancer factor 2C	Q06413	MEF2C	4208	TRUE	0.08	0.1202	0.147	0.095436
8941-4	NLGN3	NLGN3	Neuroigin-3	Q9NZ94	NLGN3	54413	TRUE	0.14	0.1233	1.383	0.343891
8954-30	M4K1	M4K1	Mitogen-activated protein kinase kinase kinase 1	Q92918	MAP4K1	11184	TRUE	0.15	0.3179	0.137	0.304842
8970-9	RIPK2	RIPK2	Receptor-interacting serine/threonine-protein kinase 2	O43353	RIPK2	8767	TRUE	0.08	0.1061	1.885	0.078667
8976-13	B4GN1	B4GN1	Beta-1,4 N-acetylgalactosaminyltransferase 1	Q00973	B4GALN T1	2583	TRUE	0.09	0.1744	0.29	0.367445
8980-19	MO2R2	MO2R2	Cell surface glycoprotein CD200 receptor 2	Q6Q8B3	CD200R 1L	34480 7	TRUE	0.07	0.1211	0.943	0.332772
9016-12	NR1H2	NR1H2	Oxysterols receptor LXR-beta	P55055	NR1H2	7376	TRUE	0.11	0.1276	0.109	0.361511
9026-40	BTNL8	BTNL8	Butyrophilin-like protein 8	Q6UX41	BTNL8	79908	TRUE	0.08	0.1345	0.214	0.379895
9030-56	CQ089	CQ089	Uncharacterized protein C17orf89	A1L188	NDUFAF 8	28418 4	TRUE	0.07	0.143	0.263	0.23698
9035-2	MXI1	MXI1	MAX-interacting protein 1	P50539	MXI1	4601	TRUE	0.09	0.1311	0.781	0.133867
9040-144	EPDR1	EPDR1	Mammalian ependymin-related protein 1	Q9UM22	EPDR1	54749	TRUE	0.1	0.1537	1.115	0.118455
9049-2	MOT4	MOT4	Monocarboxylate transporter 4	O15427	SLC16A3	9123	TRUE	0.09	0.0876	0.146	0.31878
9057-19	ADRM1	ADRM1	Proteasomal ubiquitin receptor ADRM1	Q16186	ADRM1	11047	TRUE	0.14	0.1086	0.251	0.804437
9061-3	ARHGA	ARHGA	Rho guanine nucleotide exchange factor 10	O15013	ARHGEF 10	9639	TRUE	0.08	0.0784	0.117	0.055242
9075-121	K1024	K1024	UPF0258 protein KIAA1024	Q9UPX6	MINAR1	23251	TRUE	0.08	0.1647	0.465	0.465928
9096-80	LRMP	LRMP	Lymphoid-restricted membrane protein	Q12912	IRAG2	4033	TRUE	0.11	0.1594	0.273	0.29098
9107-59	ARM10	ARM10	Armadillo repeat-containing protein 10	Q8N2F6	ARMC10	83787	TRUE	0.15	0.1938	0.555	0.24104
9110-2	SYT17	SYT17	Synaptotagmin-17	Q9BSW7	SYT17	51760	TRUE	0.09	0.0943	1.082	0.333044
9117-4	IL-1F9	IL-1F9	Interleukin-36 gamma	Q9NZH8	IL36G	56300	TRUE	0.14	0.11	0.308	0.486196
9121-28	FUT2	FUT2	Galactoside 2-alpha-L-fucosyltransferase 2	Q10981	FUT2	2524	TRUE	0.11	0.14	0.212	0.454577
9123-18	DOS	DOS	Protein Dos	Q8N350	CBARP	25505 7	TRUE	0.12	0.1742	0.378	0.306712
9126-171	NT5D3	NT5D3	5'-nucleotidase domain-containing protein 3	Q86UY8	NT5DC3	51559	TRUE	0.09	0.114	0.514	0.433659

						37561						
9127-4	S26A5	S26A5	Prestin	P58743	SLC26A5	1	TRUE	0.11	0.2494	0.253	0.175756	
9168-31	Eotaxin-3	Eotaxin-3	C-C motif chemokine 26	Q9Y258	CCL26	10344	TRUE	0.2	0.2328	0.23	0.222999	
9170-24	IL-17	IL-17	Interleukin-17A	Q16552	IL17A	3605	TRUE	0.1	0.0835	1.634	0.319582	
9178-30	NEUREGU LIN-1	NEUREGU ULIN-1	Neuregulin-1 Transmembrane and ubiquitin-like domain-containing protein 2	Q02297	NRG1	3084	TRUE	0.1	0.1304	0.476	0.163805	
9226-6	TMUB2	TMUB2	Killer cell immunoglobulin-like receptor 2DL4	Q71RG4	TMUB2	79089	TRUE	0.08	0.1483	0.244	0.129409	
9245-1	KI2L4	KI2L4	Transmembrane protein 9:Extracellular domain	Q99706	KIR2DL4	3805	TRUE	0.06	0.1144	0.164	0.198989	
9249-17	TMEM9	TMEM9	Neuronal pentraxin-1 Triggering receptor expressed on myeloid cells	Q9P0T7	TMEM9	9	TRUE	0.09	0.2321	0.256	0.072274	
9256-78	NPTX1	NPTX1	Regulator of microtubule dynamics protein 3	Q15818	NPTX1	4884	TRUE	0.28	0.8793	2.421	0.272219	
9266-1	sTREM-1	sTREM-1	Nectin-1, isoform gamma: Extracellular domain	Q9NP99	TREM1	54210	TRUE	0.06	0.1374	0.325	0.2407	
9290-8	RMD3	RMD3	Beta-defensin 118	Q96TC7	RMDN3	55177	TRUE	0.13	0.1277	0.282	0.058626	
9300-13	nectin-1 gamma	nectin-1 gamma	Cancer/testis antigen 55	Q15223	NECTIN1	5818	TRUE	0.16	0.1746	6.277	0.100722	
9306-7	DB118	DB118	Protein eyes shut homolog	Q96PH6	DEFB118	5	TRUE	0.08	0.1197	1.324	0.124937	
9363-11	CX048	CX048	Leucine-rich repeat and transmembrane domain-containing protein 1	Q8WUE5	CT55	54967	TRUE	0.1	0.1888	3.362	0.122655	
9365-91	EYS	EYS	Activin receptor type-2B DNA-binding protein inhibitor ID-2	Q5T1H1	EYS	7	TRUE	0.15	0.1495	1.172	0.359837	
9368-64	LRTM1	LRTM1	Cathepsin K	Q9HBL6	LRTM1	57408	TRUE	0.08	0.1306	0.173	0.930713	
9412-52	Activin RIIB	Activin RIIB	Protein DGCR6	Q13705	ACVR2B	93	TRUE	0.2	0.2131	0.21	0.679631	
9426-73	ID2	ID2	Epididymal secretory glutathione peroxidase	Q02363	ID2	3398	TRUE	0.07	0.1875	0.75	0.11843	
9443-137	cathepsin K	cathepsin K	Integral membrane protein 2C:C-term	P43235	CTSK	1513	TRUE	0.08	0.1414	1.774	0.440434	
9444-70	DGCR6	DGCR6	Protein DGCR6	Q14129	DGCR6	8214	TRUE	0.18	0.3612	0.776	0.203905	
9475-22	GPX5	GPX5	Integral membrane protein 2C:C-term	O75715	GPX5	2880	TRUE	0.35	0.903	1.223	0.290536	
9523-34	ITM2C	ITM2C		Q9NQX7	ITM2C	81618	TRUE	0.12	0.1333	0.952	0.4915	

9541-15	B3GT1	B3GT1	Beta-1,3-galactosyltransferase 1	Q9Y5Z6	B3GALT1	8708	TRUE	0.07	0.0813	0.175	0.381325	
9544-24	CG069	CG069	Uncharacterized protein C7orf69	Q9H7B7	C7orf69		TRUE	0.2	0.1321	0.532	0.08698	
9550-153	TTC17	TTC17:PR2	17:Tetratricopeptide repeat 2	Q96AE7	TTC17	55761	TRUE	0.1	0.1078	4.901	0.165549	
9569-14	SCAR3	SCAR3:region 1	Scavenger receptor class A member 3:region 1	Q6AZY7	SCARA3	51435	TRUE	0.09	0.3822	0.271	0.090472	
9573-108	TXD11	TXD11:C-term	Thioredoxin domain-containing protein 11:N-term	Q6PKC3	TXNDC1	1	51061	TRUE	0.07	0.0855	0.441	0.225904
9579-59	TMG4	TMG4	Transmembrane gamma-carboxyglutamic acid protein 4	Q9BZD6	PRRG4	79056	TRUE	0.12	0.1398	0.836	0.614909	
9585-80	ACAM	ACAM:CD	CXADR-like membrane protein:Cytoplasmic domain	Q9H6B4	CLMP	79827	TRUE	0.07	0.1067	0.418	0.37653	
9600-55	THS7A	THS7A:TSP type-1 domain	Thrombospondin type-1 domain-containing protein 7A:Thrombospondin type-1 domain 17	Q9UPZ6	THSD7A	1	22198	TRUE	0.14	0.0988	1.84	0.363982
9638-2	TIGIT	TIGIT	T-cell immunoreceptor with Ig and ITIM domains	Q495A1	TIGIT	3	20163	TRUE	0.14	0.1879	1.258	0.218413
9715-15	IGSF3	IGSF3	Immunoglobulin superfamily member 3	O75054	IGSF3	3321	TRUE	0.09	0.1715	0.197	0.052814	
9765-4	NDE1	NDE1	Nuclear distribution protein nudE homolog 1	Q9NXR1	NDE1	54820	TRUE	0.14	0.1946	4.868	0.177433	
9773-15	RN149	RN149	E3 ubiquitin-protein ligase RNF149	Q8NC42	RNF149	6	28499	TRUE	0.18	0.1413	0.327	0.466601
9779-63	HERP2	HERP2	Homocysteine-responsive endoplasmic reticulum-resident ubiquitin-like domain member 2 protein	Q9BSE4	HERPUD	2	64224	TRUE	0.19	0.8045	1.543	0.455377
9783-75	DJC11	DJC11	DnaJ homolog subfamily C member 11	Q9NVH1	DNAJC1	1	55735	TRUE	0.19	0.1613	0.584	0.131796
9787-23	COLEC12	COLEC12	Collectin-12	Q5KU26	COLEC12	81035	TRUE	0.08	0.1068	0.535	0.28377	

	BR	BR	BR									
	serine/thr	serine/t	serine/t									
	reonine	reonine	reonine									
9790-28	kinase 2	kinase 2	kinase 2	Serine/threonine-protein kinase BRSK2	Q81WQ3	BRSK2	9024	TRUE	0.12	0.1316	0.07	0.045287
9795-9	CLN5	CLN5:CD	5:Cytoplasmic domain	Ceroid-lipofuscinosis neuronal protein	O75503	CLN5	1203	TRUE	0.15	0.1523	0.313	0.114766
9819-110	Mcl-1	Mcl-1	Mcl-1	Induced myeloid leukemia cell differentiation protein	Q07820	MCL1	4170	TRUE	0.6	0.708	0.316	0.341111
9828-86	LDHC	LDHC	LDHC	L-lactate dehydrogenase C chain	P07864	LDHC	3948	TRUE	0.13	0.144	0.331	0.143848
9829-91	SULT 2A1	SULT 2A1	SULT 2A1	Bile salt sulfotransferase	Q06520	SULT2A1	6822	TRUE	0.18	0.1306	0.421	0.46358
9865-40	UBE2B	UBE2B	UBE2B	Ubiquitin-conjugating enzyme E2 B	P63146	UBE2B	7320	TRUE	0.18	0.3472	0.771	0.468943
9875-107	THOC1	THOC1	THOC1	THO complex subunit 1	Q96FV9	THOC1	9984	TRUE	0.1	0.0996	0.963	0.034914
9889-42	AF1L1	AF1L1	AF1L1	Actin filament-associated protein 1-like 1	Q8TED9	AFAP1L1	5	TRUE	0.1	0.1487	0.376	0.323961
9893-27	Ornithine decarboxylase	Ornithine decarboxylase	Ornithine decarboxylase	Ornithine decarboxylase antizyme 1	P54368	OAZ1	4946	TRUE	0.12	0.2735	0.351	0.260611
9899-28	KIF1C	KIF1C	KIF1C	Kinesin-like protein KIF1C	O43896	KIF1C	10749	TRUE	0.07	0.1097	0.404	0.468773
9907-216	Tankyrase-1	Tankyrase-1	Tankyrase-1	Tankyrase-1	O95271	TNKS	8658	TRUE	0.08	0.127	0.755	0.037713
9925-56	SREC-II	SREC-II:CD	SREC-II:CD	Scavenger receptor class F member 2:Cytoplasmic domain	Q96GP6	SCARF2	91179	TRUE	0.08	0.1484	0.293	0.274878
9927-96	TENS4	TENS4	TENS4	Tensin-4	Q8IZW8	TNS4	84951	TRUE	0.13	0.146	0.113	0.16887
9936-27	LNX1	LNX1	LNX1	E3 ubiquitin-protein ligase	Q8TBB1	LNX1	84708	TRUE	0.2	0.1661	1.14	0.294799
9937-7	CXA1	CXA1	CXA1	Gap junction alpha-1 protein	P17302	GJA1	2697	TRUE	0.19	0.1134	0.401	0.428334
9955-40	RN148	RN148:region 2	RN148:region 2	RING finger protein 148:region 2	Q8N7C7	RNF148	5	TRUE	0.13	0.1081	4.021	0.352727
9960-2	TBCD5	TBCD5	TBCD5	TBC1 domain family member 5	Q92609	TBC1D5	9779	TRUE	0.43	0.8621	0.483	0.169877
9989-12	LRC24	LRC24	LRC24	Leucine-rich repeat-containing protein 24	Q50LG9	LRRC24	1	TRUE	0.09	0.1064	0.362	0.500815