Widening and diversifying the proteome capture by combinatorial peptide ligand libraries via Alcian Blue dye binding.
Supplementary Table 1: List of 1151 total urinary proteins captured by succinylated CPLL without Alcian Blue (control) and by Alcian Blue-CPLL succinylated conjugate. The symbol "+" indicate the presence of the identified proteins in the different groups. The isoelectric points (pI), the relative molecular masses (M*r*) and the Gravy indexes are derived from the amino acid sequence of each protein.

Accession	Gene names	Description	Control	Alcian Blue	MS/MS Count	Peptides	Sequence coverage [%]	pI	M*r* [Da]	Gravy index
C9J4G8	SEPT8	Septin-8		+	0	1	19.6	4.53	11564	-0.491
P04217	A1BG	Alpha-1B-glycoprotein	+	+	70	7	17.8	5.71	54254	-0.217
P01023	A2M	Alpha-2-macroglobulin	+	+	7	3	2.4	6.43	163291	-0.195
A8K2U0	A2ML1	Alpha-2-macroglobulin-like protein 1	+	+	42	8	6.1	5.47	161107	-0.158
P49588	AARS	Alanine--tRNA ligase. cytoplasmic	+	+	2	1	1.4	5.18	106810	-0.304
B5AK60	ABCB1	Multidrug resistance protein 1	+	+	6	5	5	9.44	141479	0.034
D6R9B3	ABCC10	Multidrug resistance-associated protein 7	+		1	2	5.1	7.16	30472	0.313
Q96IU4	ABHD14B	Alpha/beta hydrolase domain-containing protein 14B	+	+	24	6	36.2	6.39	22346	0.096
Q7Z7G0	ABI3BP	Target of Nesh-SH3	+		6	3	3.2	10.01	118642	-0.679
P19801	ABP1	Amiloride-sensitive amine oxidase [copper-containing]	+	+	66	10	14.6	7.1	85378	-0.389
P12821-2	ACE	Angiotensin-converting enzyme	+	+	45	9	8.6	5.89	149715	NaN
Q9BYF1	ACE2	Angiotensin-converting enzyme 2	+	+	44	4	7.6	5.23	92463	-0.375
Q99798	ACO2	Aconitate hydratase. mitochondrial		+	2	2	3.1	7.65	85425	-0.335
E9PQY3	ACP2	Lysosomal acid phosphatase	+	+	64	9	24.6	5.78	45307	-0.393
P15309	ACPP	Prostatic acid phosphatase	+	+	188	10	31.6	6.19	44566	-0.301
Q562R1	ACTBL2	Beta-actin-like protein 2	+	+	5	4	14.1	5.29	42003	-0.19
P63261	ACTG1	Actin. cytoplasmic 2	+	+	251	11	36.8	5.16	41793	-0.199

P63267	ACTG2	Actin. gamma-enteric smooth muscle	+	+	6	8	24.5	5.16	41877	-0.219
O43707	ACTN4	Alpha-actinin-4	+	+	51	11	16	5.12	104854	-0.637
P61160	ACTR2	Actin-related protein 2	+	+	16	2	6.1	6.72	44761	-0.185
Q03154-4	ACY1	Aminoacylase-1	+	+	71	6	19.8	6.23	45885	-0.369
E9PRA7	ACY3	Aspartoacylase-2	+	+	8	2	6.9	4.58	21958	-0.037
Q86TH1	ADAMTSL 2	ADAMTS-like protein 2	+	+	5	1	1.1	6.38	104621	-0.604
P11766	ADH5	Alcohol dehydrogenase class-3	+		2	2	4.5	7.54	39724	0.158
Q15848	ADIPOQ	Adiponectin	+	+	3	1	6.1	5.53	26414	-0.41
E9PG39	AGK	Acylglycerol kinase. mitochondrial	+		1	1	8.6	9.92	26925	-0.052
O00468-6	AGRN	Agrin	+	+	50	14	8.8	6.36	217232	-0.253
P01019	AGT	Angiotensinogen	+	+	69	10	25.2	6.27	53154	0.065
P23526-2	AHCY	Adenosylhomocysteinase	+	+	17	5	14.9	6.43	47716	-0.092
P02765	AHSG	Alpha-2-HS-glycoprotein	+	+	52	5	16.1	5.52	39325	-0.196
Q99996-5	AKAP9	A-kinase anchor protein 9	+	+	6	3	0.9	4.95	453667	NaN
P14550	AKR1A1	Alcohol dehydrogenase [NADP(+)]	+	+	37	9	33.8	6.79	36573	-0.27
P15121	AKR1B1	Aldose reductase	+	+	6	4	10.8	6.99	35853	-0.253
H3BLU7	AKR7A2	Aflatoxin B1 aldehyde reductase member 2	+	+	8	2	9.6	7.2	34684	-0.379
O95154	AKR7A3	Aflatoxin B1 aldehyde reductase member 3	+	+	7	2	9.1	7.16	37206	-0.292
P02768	ALB	Serum albumin	+	+	437	32	45.2	6.21	69367	-0.354
P00352	ALDH1A1	Retinal dehydrogenase 1	+	+	42	13	29.9	6.7	54862	-0.163
H0Y2X5	ALDH1A3	Aldehyde dehydrogenase family 1 member A3		+	1	2	5.9	7.65	44256	-0.341
O75891	ALDH1L1	Cytosolic 10-formyltetrahydrofolate dehydrogenase	+	+	19	6	8.6	5.76	98829	-0.113
S4R374	ALDH3B1	Aldehyde dehydrogenase family 3 member B1	+	+	2	1	3.3	NaN	47554	NaN
F5H328	ALDH5A1	Succinate-semialdehyde dehydrogenase. mitochondrial	+		3	1	2.2	NaN	4831	NaN

G3V4Z4	ALDH6A1	Methylmalonate-semialdehyde dehydrogenase. mitochondrial	+	+	11	1	7.9	8.05	27025	-0.165
F8VS02	ALDH7A1	Alpha-aminoadipic semialdehyde dehydrogenase	+	+	14	3	7.8	7.88	51411	-0.027
P49189	ALDH9A1	4-trimethylaminobutyraldehyde dehydrogenase	+	+	20	4	9.3	5.61	53802	-0.044
H3BQN4	ALDOA	Fructose-bisphosphate aldolase	+	+	32	8	26.9	8.54	39340	-0.298
P05062	ALDOB	Fructose-bisphosphate aldolase B	+	+	130	12	34.3	7.96	39473	-0.227
P09972	ALDOC	Fructose-bisphosphate aldolase C	+	+	31	3	10.2	6.86	39456	-0.241
P05186-2	ALPL	Alkaline phosphatase. tissue-nonspecific isozyme		+	1	1	3.1	6.59	57305	-0.34
P02760	AMBP	Protein AMBP	+	+	313	8	31	6.15	38999	-0.299
P04745	AMY1A	Alpha-amylase 1	+	+	87	21	50.3	6.92	57768	-0.436
P04746	AMY2A	Pancreatic alpha-amylase	+	+	455	22	57.1	7.05	57707	-0.396
P19961	AMY2B	Alpha-amylase 2B	+	+	6	21	53	7.1	57710	-0.417
O95841	ANGPTL1	Angiopoietin-related protein 1	+	+	9	1	2.4	8.35	56720	-0.601
Q9UKU9	ANGPTL2	Angiopoietin-related protein 2	+	+	31	5	10.5	7.59	57104	-0.688
Q12955	ANK3	Ankyrin-3		+	1	1	0.3	6.46	480410	-0.65
Q6AI12	ANKRD40	Ankyrin repeat domain-containing protein 40	+	+	3	1	3.3	4.6	41088	-0.536
Q4KMQ2-3	ANO6	Anoctamin-6	+	+	1	1	2	8.32	106165	-0.104
P15144	ANPEP	Aminopeptidase N	+	+	328	27	33.5	5.14	109540	-0.317
Q9H6X2-3	ANTXR1	Anthrax toxin receptor 1	+	+	13	2	6.1	6.67	62789	NaN
P04083	ANXA1	Annexin A1	+	+	106	14	45.7	7.04	38714	-0.419
P50995-2	ANXA11	Annexin A11	+	+	109	11	26.1	7.78	54390	-0.51
P07355	ANXA2	Annexin A2	+	+	72	12	36	7.91	38604	-0.524
P12429	ANXA3	Annexin A3	+	+	57	6	23.2	5.71	36375	-0.423
Q6P452	ANXA4	Annexin	+	+	60	6	22.7	5.54	33552	-0.485
P08758	ANXA5	Annexin A5	+	+	24	8	31.6	4.66	35937	-0.33

P08133-2	ANXA6	Annexin A6	+	+	10	4	6.1	5.27	75873	-0.437
B4DT77	ANXA7	Annexin	+	+	34	8	27.7	7.25	37805	-0.419
Q5T2P8-2	ANXA8L1	Annexin A8-like protein 1	+		2	1	3.4	4.99	36881	-0.32
Q13367-3	AP3B2	AP-3 complex subunit beta-2	+	+	1	1	1	5.18	119059	-0.361
P02743	APCS	Serum amyloid P-component	+	+	45	5	22.4	6.52	25387	-0.078
C9JLK2	APEH	Acylamino-acid-releasing enzyme		+	1	1	5.6	5.96	26029	-0.269
Q06481-5	APLP2	Amyloid-like protein 2	+		1	2	3.4	5.33	86956	-0.442
P02647	APOA1	Apolipoprotein A-I	+	+	104	15	58.1	5.5	30778	-0.717
V9GYE3	APOA2	Apolipoprotein A-II	+	+	9	1	17.3	6.76	5877	-0.502
P06727	APOA4	Apolipoprotein A-IV	+	+	72	15	36.1	5.05	45399	-0.796
P02656	APOC3	Apolipoprotein C-III	+	+	15	1	16.2	5.04	10852	-0.086
P05090	APOD	Apolipoprotein D	+	+	938	11	47.6	4.79	21276	-0.053
P02649	APOE	Apolipoprotein E	+	+	182	17	62.5	5.42	36154	-0.596
P02749	APOH	Beta-2-glycoprotein 1	+	+	10	2	6.7	8.03	38298	-0.274
H7C104	APP	Amyloid beta A4 protein	+	+	37	4	18.9	NaN	31942	NaN
P07741-2	APRT	Adenine phosphoribosyltransferase	+	+	4	2	15.7	7.52	19608	0.046
P29972	AQP1	Aquaporin-1	+	+	52	3	15.6	7.5	28526	0.495
P41181	AQP2	Aquaporin-2	+	+	4	1	4.1	6.95	28837	0.514
H0YGG7	ARF3	ADP-ribosylation factor 1	+	+	14	1	24.2	7.42	6788	-0.594
U3KQF2	ARF4	ADP-ribosylation factor 4	+		2	1	21.1	4.57	8031	-0.161
H0YDN9	ARFGAP2	ADP-ribosylation factor GTPase-activating protein 2	+		1	1	7.6	4.93	25803	-0.589
H0YE29	ARHGAP 1	Rho GTPase-activating protein 1	+	+	2	1	3.6	6.19	38387	-0.321
J3KRE2	ARHGDIA	Rho GDP-dissociation inhibitor 1	+	+	8	2	20.2	4.31	14814	-0.988
B4DTE2	ARHGEF1	Rho guanine nucleotide exchange factor 10-like protein		+	4	2	4.5	9.27	55092	-0.267

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Q96DR7-3	ARHGEF26	Rho guanine nucleotide exchange factor 26	+	+	1	1	2.9	10.55	97346	-0.743
Q3SXY8	ARL13B	ADP-ribosylation factor-like protein 13B	+		1	1	4.2	6.59	48643	-0.856
E9PR92	ARMC1	Armadillo repeat-containing protein 1	+	+	2	1	24.5	6.5	11335	-0.069
O15144	ARPC2	Actin-related protein 2/3 complex subunit 2	+	+	7	2	6.3	7.4	34333	-0.439
O15511	ARPC5	Actin-related protein 2/3 complex subunit 5	+	+	4	2	13.2	5.3	16320	-0.404
Q5T370	ARRDC1	Arrestin domain-containing protein 1	+	+	7	1	4.4	8.9	29255	0.079
P15289	ARSA	Arylsulfatase A	+	+	88	9	24.3	6.01	53588	0.012
P15848-2	ARSB	Arylsulfatase B	+	+	7	3	7.5	8.45	59687	-0.206
P54793	ARSF	Arylsulfatase F	+	+	22	9	19.7	7.22	65940	-0.155
E7ESB3	ART3	Ecto-ADP-ribosyltransferase 3	+	+	6	1	8	7.66	23179	-0.231
E7EMM4	ASAH1	Acid ceramidase	+	+	108	11	37.8	8.25	41796	-0.154
P04424-3	ASL	Argininosuccinate lyase	+		2	2	4.6	6.02	51658	-0.192
O43681	ASNA1	ATPase ASNA1	+		27	5	16.8	4.54	38793	-0.108
P00966	ASS1	Argininosuccinate synthase	+	+	10	3	5.3	8.18	46530	-0.367
P05023-3	ATP1A1	Sodium/potassium-transporting ATPase subunit alpha-1	+	+	47	8	11.6	4.95	112896	0.069
B7Z9S8	ATP1B1	Sodium/potassium-transporting ATPase subunit beta-1	+	+	9	2	10.1	7.72	28628	-0.74
P25705-2	ATP5A1	ATP synthase subunit alpha. mitochondrial	+		5	3	7	8.52	59751	-0.086
A6QRJ1	ATP6AP1	V-type proton ATPase subunit S1	+	+	8	2	11.7	4.69	24872	0.207
H0Y750	ATP6AP2	Renin receptor	+	+	13	4	14.8	8.07	26633	0.043
Q9HBG4	ATP6V0A4	V-type proton ATPase 116 kDa subunit a isoform 4	+		3	2	3.6	6.01	96386	0.111
B7Z1R5	ATP6V1A	V-type proton ATPase catalytic subunit A	+	+	31	5	11.8	5.16	68304	-0.186
C9JL73	ATP6V1B1	V-type proton ATPase subunit B. kidney isoform	+		1	2	4.2	5.37	55081	-0.157

P21281	ATP6V1B2	V-type proton ATPase subunit B. brain isoform	+	+	8	2	4.1	5.55	56501	-0.16
O75348	ATP6V1G1	V-type proton ATPase subunit G 1	+	+	4	2	22	9.17	13758	-1.065
G3V126	ATP6V1H	V-type proton ATPase subunit H	+	+	3	1	2.5	6.15	51570	-0.386
O75882-3	ATRN	Attractin	+	+	29	6	5.2	6.73	158537	NaN
P25311	AZGP1	Zinc-alpha-2-glycoprotein	+	+	88	9	32.6	5.92	34259	-0.576
H0YLF3	B2M	Beta-2-microglobulin	+	+	22	2	28.2	4.79	8499	-0.725
O75752	B3GALNT1	UDP-GalNAc:beta-1.3-N-acetylgalactosaminyltransferase 1	+		1	1	4.2	7.89	39512	-0.056
O43505	B3GNT1	N-acetyllactosaminide beta-1.3-N-acetylglucosaminyltransferase	+	+	39	2	6.5	7.22	47119	-0.224
Q9NY97-2	B3GNT2	UDP-GlcNAc:betaGal beta-1.3-N-acetylglucosaminyltransferase 2	+	+	8	2	5.3	8.75	46022	NaN
P15291-2	B4GALT1	Beta-1.4-galactosyltransferase 1	+	+	11	2	4.7	8.88	43920	NaN
I3L2M4	BAIAP2	Brain-specific angiogenesis inhibitor 1-associated protein 2	+	+	4	2	10.3	8.84	26053	-0.628
Q9UIF8-4	BAZ2B	Bromodomain adjacent to zinc finger domain protein 2B	+		5	2	1.1	6.13	240459	NaN
O75936	BBOX1	Gamma-butyrobetaine dioxygenase	+	+	21	6	15.8	6.73	44715	-0.397
P50895	BCAM	Basal cell adhesion molecule	+	+	23	5	10.5	5.61	67405	-0.328
Q9BUT1	BDH2	3-hydroxybutyrate dehydrogenase type 2	+	+	26	5	22.9	7.77	26724	-0.022
P21810	BGN	Biglycan	+	+	22	5	14.7	7.57	41654	-0.249
Q93088	BHMT	Betaine--homocysteine S-methyltransferase 1	+	+	38	11	30.5	7.04	44998	-0.371
P55957	BID	BH3-interacting domain death agonist	+	+	7	1	6.7	5.1	21995	-0.488
P53004	BLVRA	Biliverdin reductase A	+	+	3	1	2.2	6.41	33428	-0.219
M0QZL1	BLVRB	Flavin reductase (NADPH)	+	+	11	2	13.6	5.12	15670	0.138
P17213	BPI	Bactericidal permeability-increasing protein		+	1	1	3.1	9.89	53900	-0.048
Q8TDL5	BPIFB1	BPI fold-containing family B member 1	+	+	13	7	18.6	7.26	52442	0.321
Q8N4F0	BPIFB2	BPI fold-containing family B member 2	+	+	48	6	15.9	9.03	49172	0.472

Q5VW32	BROX	BRO1 domain-containing protein BROX	+	+	30	4	13.4	7.74	46476	-0.459
E9PPN5	BSCL2	Seipin	+	+	1	1	39.1	4.22	2582	-1.317
F8W1Q3	BTD	Biotinidase	+	+	40	7	19.3	6.22	61133	-0.032
H7BYC3	BTN2A1	Butyrophilin subfamily 2 member A2	+	+	9	3	18.5	5	16974	-0.047
Q96A22	C11orf52	Uncharacterized protein C11orf52	+	+	4	1	8.1	9.84	13921	-1.096
Q6UX73-2	C16orf89	UPF0764 protein C16orf89	+	+	15	4	10.5	5.67	45391	-0.202
Q86XI8	C19orf68	Uncharacterized protein C19orf68	+	+	1	2	4.2	8.66	70073	-0.418
O75264	C19orf77	Transmembrane protein C19orf77	+	+	14	3	27.7	4.97	14964	-0.665
P02747	C1QC	Complement C1q subcomponent subunit C	+	+	8	1	7.3	8.58	25774	-0.186
Q9NZP8	C1RL	Complement C1r subcomponent-like protein	+	+	18	4	8.4	7.2	53498	-0.364
H0Y5D1	C1S	Complement C1s subcomponent	+	+	11	3	11	4.54	40296	-0.401
P01024	C3	Complement C3	+	+	271	29	21.7	6.34	187148	-0.32
P0C0L4	C4A	Complement C4-A	+	+	10	25	16.3	7.08	192785	-0.252
P0C0L5	C4B	Complement C4-B	+	+	252	26	17.8	7.28	192751	-0.253
P01031	C5	Complement C5	+	+	12	5	2.9	6.49	188305	-0.176
P10643	C7	Complement component C7	+	+	6	1	1.8	6.44	93518	-0.486
F5GY80	C8B	Complement component C8 beta chain		+	1	1	2.6	7.7	60041	-0.52
Q5T6V5	C9orf64	UPF0553 protein C9orf64	+	+	29	2	11	5.69	39029	-0.259
E5RHP7	CA1	Carbonic anhydrase 1	+	+	58	7	34.3	6.59	27754	-0.549
U3KPU6	CA14	Carbonic anhydrase 14	+	+	5	2	18.5	10.72	15358	-0.69
P00918	CA2	Carbonic anhydrase 2	+	+	24	5	20	7.47	29246	-0.579
F5H638	CACNA1C	Voltage-dependent L-type calcium channel subunit alpha-1C		+	2	1	1.1	7.01	144718	0.096
P54289-4	CACNA2D1	Voltage-dependent calcium channel subunit alpha-2/delta-1	+	+	24	4	5.6	4.75	124568	-0.32

Q08289-7	CACNB2	Voltage-dependent L-type calcium channel subunit beta-2	+	+	2	2	3.2	8.82	73581	-0.873
F5H125	CADM1	Cell adhesion molecule 1	+	+	3	1	7.1	4.56	20514	-0.475
P05937	CALB1	Calbindin	+	+	8	2	8.4	4.44	30025	-0.498
P62158	CALM1	Calmodulin	+	+	32	4	37.6	3.84	16838	-0.654
P27482	CALML3	Calmodulin-like protein 3	+	+	41	6	49	4.04	16891	-0.664
Q9NZT1	CALML5	Calmodulin-like protein 5	+	+	3	1	8.9	4.05	15893	-0.56
Q8WVQ1-3	CANT1	Soluble calcium-activated nucleotidase 1	+	+	12	3	11.4	5.72	44840	NaN
B4E2T8	CANX	Calnexin	+	+	19	3	9.1	4.21	71503	-0.874
Q01518-2	CAP1	Adenylyl cyclase-associated protein 1	+		3	2	5.7	8.2	51901	-0.357
P40121-2	CAPG	Macrophage-capping protein	+	+	9	2	7.2	7.22	38499	-0.441
P07384	CAPN1	Calpain-1 catalytic subunit		+	4	2	3.2	5.35	81890	-0.357
P17655-2	CAPN2	Calpain-2 catalytic subunit	+	+	6	2	3.1	4.53	79995	-0.404
Q9Y6W3	CAPN7	Calpain-7	+	+	16	4	5.3	7.72	92652	-0.445
U3KPR7	CAPNS1	Calpain small subunit 1	+	+	4	2	20	5.09	11399	-0.341
P52907	CAPZA1	F-actin-capping protein subunit alpha-1		+	3	1	5.6	5.42	32923	-0.668
F8WED3	CAPZA2	F-actin-capping protein subunit alpha-2	+	+	7	1	32.4	4.37	4287	-0.741
P47756-2	CAPZB	F-actin-capping protein subunit beta	+	+	18	5	22.7	5.78	31350	-0.554
P31944	CASP14	Caspase-14	+	+	11	2	9.9	5.28	27680	-0.56
P04040	CAT	Catalase	+	+	19	5	12.1	7.41	59756	-0.586
P16152	CBR1	Carbonyl reductase [NADPH] 1	+	+	33	5	24.5	8.49	30375	-0.211
O75828	CBR3	Carbonyl reductase [NADPH] 3	+		2	3	11.6	6.06	30850	-0.308
A2RUR9-2	CCDC144A	Coiled-coil domain-containing protein 144A	+	+	3	1	1.6	5.26	165125	NaN
B3KUM1	CCDC176	Coiled-coil domain-containing protein 176	+	+	1	1	3	6.8	30.589	-0.753

Q9P219	CCDC88C	Protein Daple	+	+	1	1	0.6	6.15	228230	-0.85
F8VQ14	CCT2	T-complex protein 1 subunit beta		+	2	1	2.9	6.52	44813	-0.021
B7Z2F4	CCT4	T-complex protein 1 subunit delta	+	+	6	1	3.3	7.7	42299	0.102
Q99832-3	CCT7	T-complex protein 1 subunit eta	+	+	4	2	4.8	7.77	59367	-0.127
P50990-3	CCT8	T-complex protein 1 subunit theta	+	+	8	3	7.8	4.87	59621	-0.045
P08571	CD14	Monocyte differentiation antigen CD14	+	+	115	11	34.1	6.16	40076	0.083
Q9HCU0	CD248	Endosialin	+	+	16	2	2.9	5.03	80859	-0.277
Q9Y5K6	CD2AP	CD2-associated protein	+		5	2	3.6	6.31	71451	-0.793
P20138-2	CD33	Myeloid cell surface antigen CD33	+	+	5	1	3.9	9.11	39825	-0.175
E9PNW4	CD59	CD59 glycoprotein	+	+	5	1	7.4	5.56	11985	-0.146
F8VV56	CD63	CD63 antigen	+	+	29	2	11	7.97	16021	0.134
E9PM31	CD81	CD81 antigen	+	+	12	1	21.7	4.18	10099	0.447
Q9UIB8-6	CD84	SLAM family member 5	+	+	18	2	14.9	7.06	38782	NaN
A6NNI4	CD9	CD9 antigen	+	+	8	1	5.7	6.24	17764	0.473
Q16543	CDC37	Hsp90 co-chaperone Cdc37	+	+	4	2	6.9	4.9	44468	-0.967
C9K087	CDC45	Cell division control protein 45 homolog	+	+	4	1	8.9	4.16	13023	0.211
P12830	CDH1	Cadherin-1	+	+	14	4	6.6	4.33	97456	-0.351
P55287-2	CDH11	Cadherin-11	+	+	39	10	15.6	5	87965	-0.271
P55290-5	CDH13	Cadherin-13	+	+	19	3	5.9	4.42	78287	-0.161
P55291	CDH15	Cadherin-15	+	+	27	5	7.6	4.58	88916	-0.317
I3L418	CDH16	Cadherin-16		+	2	2	8.4	4.59	26377	-0.316
Q9HBT6	CDH20	Cadherin-20	+	+	1	1	1.6	4.3	88993	-0.306
I3L1J2	CDH5	Cadherin-5	+		2	1	3.7	5.43	45414	-0.367
D6RF86	CDH6	Cadherin-6	+	+	21	4	8.1	4.48	67403	-0.308

Q9BYE9	CDHR2	Cadherin-related family member 2	+	+	11	6	5.6	4.08	141543	-0.017
Q6ZTQ4-2	CDHR3	Cadherin-related family member 3	+	+	5	1	5.1	5.48	97977	NaN
Q9HBB8-2	CDHR5	Cadherin-related family member 5	+	+	17	4	7.1	4.78	88223	NaN
Q15517	CDSN	Corneodesmosin	+	+	9	1	3.4	8.42	51522	-0.343
P19835	CEL	Bile salt-activated lipase	+	+	110	13	25.2	4.94	79322	-0.286
P49454	CENPF	Centromere protein F	+		3	3	1.3	4.73	367764	-0.887
O15078-2	CEP290	Centrosomal protein of 290 kDa		+	3	3	1.2	6.82	290386	-0.941
E5RJG4	CEP57L1	Centrosomal protein CEP57L1		+	3	1	20.3	6.54	9644	-1.219
P11597	CETP	Cholesteryl ester transfer protein	+	+	26	5	10.5	6.02	54756	0.175
P00751	CFB	Complement factor B	+	+	27	6	8.4	7.07	85533	-0.501
P00746	CFD	Complement factor D	+	+	1	1	5.1	7.77	27033	-0.099
P08603	CFH	Complement factor H	+	+	40	5	4.5	6.59	139096	-0.603
B1AKG0	CFHR1	Complement factor H-related protein 1	+		3	2	8.9	7.86	30858	-0.503
G3XAM2	CFI	Complement factor I	+	+	43	5	10.2	7.53	65060	-0.331
E9PP50	CFL1	Cofilin-1	+	+	14	2	14.5	8.29	17865	-0.361
H0Y3U8	CHI3L1	Chitinase-3-like protein 1	+	+	9	2	16.4	6.34	16825	-0.235
O00533	CHL1	Neural cell adhesion molecule L1-like protein	+	+	16	6	5.5	5.52	135071	-0.476
F8VUA2	CHMP1A	Charged multivesicular body protein 1a	+	+	11	2	9.4	9.8	19532	-0.246
Q7LBR1	CHMP1B	Charged multivesicular body protein 1b	+	+	12	3	12.1	8.49	22109	-0.516
O43633	CHMP2A	Charged multivesicular body protein 2a	+	+	32	6	26.1	5.6	25104	-0.618
Q9UQN3-2	CHMP2B	Charged multivesicular body protein 2b	+		4	2	11.6	6.03	23907	-0.595
E9PQI5	CHMP4A	Charged multivesicular body protein 4a	+		2	1	8.4	10.88	18845	-0.995
Q9H444	CHMP4B	Charged multivesicular body protein 4b	+	+	21	4	18.3	4.47	24950	-0.812
Q9NZZ3-2	CHMP5	Charged multivesicular body protein 5	+	+	35	4	41.5	6.84	24571	-0.951

O75339	CILP	Cartilage intermediate layer protein 1	+		2	1	1.3	8.48	132565	-0.474
Q8IUL8	CILP2	Cartilage intermediate layer protein 2	+	+	41	6	6.2	8.26	126291	-0.394
P12277	CKB	Creatine kinase B-type	+	+	59	6	23.9	5.3	42644	-0.421
P57739	CLDN2	Claudin-2	+	+	9	2	11.7	8.26	24549	0.558
Q86T13	CLEC14A	C-type lectin domain family 14 member A		+	2	2	5.9	6.3	51636	-0.148
E9PHK0	CLEC3B	Tetranectin	+	+	84	6	52.5	4.69	17794	-0.371
O00299	CLIC1	Chloride intracellular channel protein 1	+	+	9	3	21.2	4.82	26923	-0.284
O75503	CLN5	Ceroid-lipofuscinosis neuronal protein 5	+	+	18	5	13.7	7.46	41497	-0.273
O76031	CLPX	ATP-dependent Clp protease ATP-binding subunit clpX-like. mitochondrial	+	+	11	1	2.1	7.64	69224	-0.397
Q9BQT9	CLSTN3	Calsyntenin-3	+	+	7	1	1.4	5.12	106098	-0.322
P10909-2	CLU	Clusterin	+	+	397	14	35.1	6.67	52495	-0.661
Q96DG6	CMBL	Carboxymethylenebutenolidase homolog	+	+	14	3	11	7.2	28048	-0.319
P30085-2	CMPK1	UMP-CMP kinase	+		123	18	4.7	5.44	22222	NaN
J3KRP0	CNDP1	Beta-Ala-His dipeptidase	+	+	9	1	2.4	5.06	51912	-0.144
Q96KP4	CNDP2	Cytosolic non-specific dipeptidase	+	+	28	6	16.6	5.81	52878	-0.276
P09543-2	CNP	2.3-cyclic-nucleotide 3-phosphodiesterase	+	+	10	2	6.2	8.76	47579	-0.501
Q12860-2	CNTN1	Contactin-1	+	+	12	3	4.3	5.52	113320	-0.293
G3V5V4	COCH	Cochlin	+	+	1	1	5.7	9.94	20371	-0.083
Q99715-4	COL12A1	Collagen alpha-1(XII) chain	+		5	3	1.4	5.15	333147	-0.435
P39059	COL15A1	Collagen alpha-1(XV) chain	+	+	34	4	3.4	4.63	141720	-0.377
P39060-2	COL18A1	Collagen alpha-1(XVIII) chain	+	+	39	9	10	6.42	178188	-0.586
P08123	COL1A2	Collagen alpha-2(I) chain	+	+	6	2	2.3	9.36	129314	-0.648
P08572	COL4A2	Collagen alpha-2(IV) chain	+	+	11	2	1.8	8.88	167553	-0.584
P12109	COL6A1	Collagen alpha-1(VI) chain	+	+	57	10	13.9	5.05	108529	-0.525

P12111-3	COL6A3	Collagen alpha-3(VI) chain	+	+	42	10	10.2	5.46	343669	-0.011
B4DKJ3	COMP	Cartilage oligomeric matrix protein	+	+	12	2	3.4	4.16	82860	-0.73
B4DZI8	COPB2	Coatomer subunit beta	+	+	13	3	3.6	4.93	102487	-0.306
Q14019	COTL1	Coactosin-like protein	+	+	7	3	16.2	5.31	15945	-0.414
P00450	CP	Ceruloplasmin	+	+	259	25	28.6	5.5	122205	-0.536
P15088	CPA3	Mast cell carboxypeptidase A	+	+	1	1	4.1	9.38	48670	-0.511
Q96IY4	CPB2	Carboxypeptidase B2	+		2	1	2.8	7.77	48424	-0.162
P16870-2	CPE	Carboxypeptidase E	+	+	24	5	13.6	4.85	53151	NaN
P14384	CPM	Carboxypeptidase M	+	+	10	2	4.1	7.4	50514	-0.291
P22792	CPN2	Carboxypeptidase N subunit 2	+	+	65	7	13.9	5.89	60557	0.068
O75131	CPNE3	Copine-3	+	+	4	3	5	5.57	60131	-0.252
E7ENV7	CPNE8	Copine-8	+	+	18	6	12.7	5.72	62234	-0.266
Q9BRF8-3	CPPED1	Calcineurin-like phosphoesterase domain-containing protein 1	+	+	5	1	9	8.51	35548	-0.557
Q9Y646	CPQ	Carboxypeptidase Q	+	+	26	3	8.1	6.1	51888	-0.021
P31327-2	CPS1	Carbamoyl-phosphate synthase [ammonia]. mitochondrial	+	+	13	1	1	5.78	164939	-0.12
Q9H3G5	CPVL	Probable serine carboxypeptidase CPVL	+	+	122	9	20	5.31	54164	-0.209
Q8N436	CPXM2	Inactive carboxypeptidase-like protein X2	+	+	4	2	3.2	6.86	85870	-0.609
Q5SR44	CR1	Complement receptor type 1		+	2	2	1.1	6.94	223707	-0.321
Q5SYZ4	CRABP2	Cellular retinoic acid-binding protein 2	+	+	8	2	26.8	5.13	9252	-0.29
P54107-2	CRISP1	Cysteine-rich secretory protein 1	+	+	6	1	6.7	7.13	28481	-0.298
Q9UBG3	CRNN	Cornulin	+	+	11	4	12.9	6.04	53533	-1.136
B1AKD8	CROCC	Rootletin	+		5	3	2.1	5.05	149176	-0.928
E9PS12	CRYAB	Alpha-crystallin B chain	+		3	1	16.9	6.97	9186	-0.279
Q9Y2S2-2	CRYL1	Lambda-crystallin homolog	+	+	16	4	14.1	5.81	35419	NaN

I3L325	CRYM	Thiomorpholine-carboxylate dehydrogenase	+	+	10	2	12	4.86	26078	0.083
C9JH92	CRYZ	Quinone oxidoreductase		+	3	2	10.2	9.02	21932	0.038
P09603	CSF1	Macrophage colony-stimulating factor 1	+		3	2	4.5	4.94	60179	-0.532
Q6UVK1	CSPG4	Chondroitin sulfate proteoglycan 4	+	+	38	7	3.7	5.15	250537	-0.157
P01034	CST3	Cystatin-C	+	+	69	3	24.7	8.95	15799	-0.112
Q15828	CST6	Cystatin-M	+	+	9	2	14.1	8.21	16511	-0.113
C9J0E4	CSTA	Cystatin-A	+	+	6	1	19	7.52	7086	-0.468
P04080	CSTB	Cystatin-B	+	+	9	1	12.2	7.73	11140	-0.546
Q8WYA6-3	CTNNBL1	Beta-catenin-like protein 1	+		4	2	8.4	6.68	65173	-0.424
P10619-2	CTSA	Lysosomal protective protein	+	+	77	3	7.3	6.02	54466	NaN
P07858	CTSB	Cathepsin B	+	+	96	6	22.4	6.27	37822	-0.394
P53634	CTSC	Dipeptidyl peptidase 1	+	+	30	6	14	6.99	51854	-0.257
P07339	CTSD	Cathepsin D	+	+	151	10	31.6	6.5	44552	0.023
P08311	CTSG	Cathepsin G	+	+	12	2	7.5	11.69	28837	-0.433
E9PKT6	CTSH	Pro-cathepsin H	+	+	27	3	29.9	7.24	14736	-0.455
P07711	CTSL1	Cathepsin L1	+		10	3	9.9	5.14	37564	-0.573
P43234	CTSO	Cathepsin O	+	+	14	2	7.2	7.47	35958	-0.22
U3KQE7	CTSS	Cathepsin S	+	+	3	1	9.4	7.77	13165	-0.323
Q9UBR2	CTSZ	Cathepsin Z	+	+	21	3	10.6	7.13	33868	-0.505
O60494	CUBN	Cubilin	+	+	323	33	10.7	5	398736	-0.295
H0YCA0	CUL5	Cullin-5	+		4	1	13.8	5.21	15176	-0.574
P48061-2	CXCL12	Stromal cell-derived factor 1	+	+	5	2	24.7	10.24	10666	0.127
B1AHF3	CYB5R3	NADH-cytochrome b5 reductase 3		+	1	1	8.8	10.25	16696	-0.329
P15538-2	CYP11B1	Cytochrome P450 11B1. mitochondrial	+	+	4	1	1.8	8.9	57573	-0.072

C9JYS1	DAG1	Dystroglycan	+	+	4	1	16.8	4.95	10337	0.386
H0YCY6	DAK	Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase	+	+	19	3	9.8	7.83	54661	0.24
P81605	DCD	Dermcidin	+	+	11	2	20	6.52	11284	-0.225
Q96JQ0	DCHS1	Protocadherin-16	+	+	14	4	1.6	4.55	346181	-0.183
F8VX58	DCN	Decorin		+	2	2	20.2	4.84	13286	-0.143
J3KS22	DCXR	L-xylulose reductase	+	+	11	3	11.7	8.67	23960	0.235
O94760	DDAH1	N(G).N(G)-dimethylarginine dimethylaminohydrolase 1	+	+	30	6	24.9	5.61	31122	-0.133
O95865	DDAH2	N(G).N(G)-dimethylarginine dimethylaminohydrolase 2	+	+	82	8	42.1	5.9	29644	0.007
F5H775	DDB1	DNA damage-binding protein 1		+	1	1	6.8	5.29	26588	0.053
P20711-3	DDC	Aromatic-L-amino-acid decarboxylase	+	+	44	6	15.7	7.99	53926	-0.122
Q08345-2	DDR1	Epithelial discoidin domain-containing receptor 1	+	+	70	6	9.9	6.47	101128	-0.242
Q16832	DDR2	Discoidin domain-containing receptor 2	+	+	8	1	1.1	5.01	96736	-0.221
P59666	DEFA3	Neutrophil defensin 3	+	+	11	2	19.1	5.79	10245	0.229
Q53XA7	DKFZp686F13224	Fumarylacetoacetase	+	+	9	2	6	6.94	46374	-0.178
B0QYE0	DMC1	Meiotic recombination protein DMC1/LIM15 homolog	+	+	1	1	4.9	5.7	22801	-0.234
P11532-4	DMD	Dystrophin	+		3	3	0.7	5.64	426750	NaN
E9PG32	DNAH12	Dynein heavy chain 12. axonemal	+	+	4	1	0.7	5.57	454326	-0.264
H0Y7V4	DNAH8	Dynein heavy chain 8. axonemal		+	1	2	0.9	5.97	478871	-0.256
Q9NYC9-2	DNAH9	Dynein heavy chain 9. axonemal		+	2	2	0.6	5.64	511877	NaN
E9PRW3	DNAJC24	DnaJ homolog subfamily C member 24		+	1	1	20.9	8.47	4881	-0.047
P24855	DNASE1	Deoxyribonuclease-1	+	+	50	6	25.5	4.49	31434	0.028
B7Z4K6	DNASE2	Deoxyribonuclease-2-alpha	+	+	12	3	9.5	8.14	33615	-0.261
P50570-3	DNM2	Dynamin-2	+	+	4	1	1.7	7.74	98064	-0.437

O43598	DNPH1	2-deoxynucleoside 5-phosphate N-hydrolase 1	+	+	9	2	14.9	4.69	19108	-0.329
P16444	DPEP1	Dipeptidase 1	+	+	51	7	19	6.09	45674	-0.134
Q9NY33-4	DPP3	Dipeptidyl peptidase 3	+	+	6	2	4	4.68	82589	-0.332
P27487	DPP4	Dipeptidyl peptidase 4	+	+	71	10	14	5.92	88279	-0.34
Q9UHL4	DPP7	Dipeptidyl peptidase 2	+	+	96	11	27.4	6.25	54341	-0.175
Q07507	DPT	Dermatopontin	+	+	19	3	14.9	4.44	24005	-0.601
Q02487-2	DSC2	Desmocollin-2	+	+	22	6	9.1	5.12	99962	-0.337
Q14574-2	DSC3	Desmocollin-3	+	+	2	2	2.1	6.25	99969	-0.362
Q02413	DSG1	Desmoglein-1	+	+	26	5	5.7	4.66	113748	-0.277
Q14126	DSG2	Desmoglein-2	+	+	12	2	2.4	4.89	122294	-0.301
P32926	DSG3	Desmoglein-3	+	+	6	1	1.1	4.61	107533	-0.204
P15924	DSP	Desmoplakin	+	+	22	10	3.9	6.78	331774	-0.823
J3QTQ0	DST	Dystonin	+		3	4	0.6	NaN	82204	NaN
D6RAR7	DTNBP1	Dysbindin	+		1	2	8.5	3.78	15829	-0.737
K7ELG5	DUSP3	Dual specificity protein phosphatase 3		+	3	1	10.7	10.39	12566	-0.251
Q99848	EBNA1BP2	Probable rRNA-processing protein EBP2	+		1	2	8.2	10.82	34852	-1.15
Q9NTX5-3	ECHDC1	Ethylmalonyl-CoA decarboxylase		+	2	2	10.6	7.2	33698	-0.086
Q16610-2	ECM1	Extracellular matrix protein 1		+	5	2	6.7	6.37	60674	-0.756
Q5VTE0	EEF1A1P5	Putative elongation factor 1-alpha-like 3	+	+	18	4	8.2	9.58	50185	-0.253
H0YE58	EEF1D	Elongation factor 1-delta	+	+	4	1	10.1	4.38	13387	-0.492
P26641	EEF1G	Elongation factor 1-gamma		+	3	2	5.9	6.64	50119	-0.481
P13639	EEF2	Elongation factor 2	+	+	8	4	4.4	6.82	95338	-0.209
A4FU69-2	EFCAB5	EF-hand calcium-binding domain-containing protein 5	+	+	19	3	4.4	5.06	173404	-0.876

Q12805-2	EFEMP1	EGF-containing fibulin-like extracellular matrix protein 1	+	+	221	9	23.7	4.85	54641	NaN
H0YET5	EFEMP2	EGF-containing fibulin-like extracellular matrix protein 2	+	+	24	2	11	6.25	19700	-0.616
P98172	EFNB1	Ephrin-B1	+		3	2	9	9.23	38007	-0.319
P01133-3	EGF	Pro-epidermal growth factor	+	+	309	25	24.9	5.97	133994	-0.303
C9J2Z4	EHD1	EH domain-containing protein 1	+	+	8	4	15	6	34721	-0.268
Q9H223	EHD4	EH domain-containing protein 4	+	+	13	6	16.6	6.73	61175	-0.379
J3KT04	EIF4A1	Eukaryotic initiation factor 4A-I		+	3	1	16.5	4.33	9272	-0.44
P56537	EIF6	Eukaryotic translation initiation factor 6	+	+	31	4	24.1	4.31	26599	0.091
P0C7U0	ELFN1	Protein ELFN1	+	+	15	2	2.8	8.45	90477	-0.337
Q9BW60-2	ELOVL1	Elongation of very long chain fatty acids protein 1	+	+	9	1	4.8	10.1	32663	0.433
O94919	ENDOD1	Endonuclease domain-containing 1 protein	+	+	25	3	7.6	5.38	55017	0.136
P06733	ENO1	Alpha-enolase	+	+	86	13	35.7	7.46	47169	-0.221
Q07075	ENPEP	Glutamyl aminopeptidase	+	+	176	22	24.3	5.13	109244	-0.39
D6R9P1	ENPP6	Ectonucleotide pyrophosphatase/phosphodiesterase family member 6	+	+	3	1	5.7	6.94	22348	-0.365
F5H225	EOGT	EGF domain-specific O-linked N-acetylglucosamine transferase	+		1	1	6.8	7.21	24113	-0.562
Q9UM22	EPDR1	Mammalian ependymin-related protein 1	+	+	6	3	14.7	6.45	25437	-0.333
P21709	EPHA1	Ephrin type-A receptor 1		+	1	1	1.8	6.63	108127	-0.317
Q15375-4	EPHA7	Ephrin type-A receptor 7	+	+	22	2	3	5.46	112097	-0.283
P54753	EPHB3	Ephrin type-B receptor 3	+	+	6	1	1.2	6.23	110330	-0.201
Q96L35	EPHB4	Ephrin type-B receptor 4	+	+	13	3	2.8	7.03	102558	-0.237
O15197-3	EPHB6	Ephrin type-B receptor 6	+	+	13	2	4.6	6.66	110700	NaN
E5RI53	EPHX2	Bifunctional epoxide hydrolase 2	+	+	5	1	5.7	8.21	17578	0.027
Q12929	EPS8	Epidermal growth factor receptor kinase substrate 8	+	+	7	2	3.5	7.56	91882	-0.661
Q9H6S3	EPS8L2	Epidermal growth factor receptor kinase substrate 8-like protein 2	+	+	15	3	5.2	6.83	80621	-0.631

Q9NZ08	ERAP1	Endoplasmic reticulum aminopeptidase 1	+	+	4	2	2.7	6.43	107235	-0.217
H7C4G9	ERC2	ERC protein 2	+	+	2	2	4.5	5.62	61418	-1.05
Q96HE7	ERO1L	ERO1-like protein alpha		+	5	2	5.3	5.41	54393	-0.49
Q9BS26	ERP44	Endoplasmic reticulum resident protein 44	+	+	8	1	2.5	4.9	46971	-0.401
F8WDW9	ESAM	Endothelial cell-selective adhesion molecule	+	+	8	1	6.1	8.72	26701	-0.091
Q5FWF5-2	ESCO1	N-acetyltransferase ESCO1		+	1	2	5.4	9.87	94983	-1.004
U3KQT1	ESD	S-formylglutathione hydrolase	+	+	3	1	10	8.93	13110	-0.09
H0YK49	ETFA	Electron transfer flavoprotein subunit alpha. mitochondrial	+	+	36	1	8.3	9.07	24160	0.052
O60447	EVI5	Ecotropic viral integration site 5 protein homolog	+		1	1	2.3	6	92949	-0.579
Q9NVH0-2	EXD2	Exonuclease 3-5 domain-containing protein 2	+		2	1	2.4	8.38	70353	-0.54
Q17RC7	EXOC3L4	Exocyst complex component 3-like protein 4		+	6	2	1.9	6.25	79896	-0.301
Q5T1H1-1	EYS	Protein eyes shut homolog	+		1	1	0.5	5.53	350796	-0.192
P15311	EZR	Ezrin	+	+	10	5	10.5	6.17	69413	-0.971
P03951-2	F11	Coagulation factor XI	+	+	25	6	10	8.31	70109	-0.221
P00734	F2	Prothrombin	+	+	34	6	13.2	5.7	70037	-0.539
S4R3A2	FABP3	Fatty acid-binding protein. heart	+		3	3	33.7	9.72	10170	-0.358
Q01469	FABP5	Fatty acid-binding protein. epidermal	+	+	15	3	14.1	7.05	15164	-0.458
B1AQ20	FAM151A	Protein FAM151A	+	+	6	4	10.3	6.04	46027	0.01
Q15018	FAM175B	BRISC complex subunit Abro1	+	+	17	1	2.4	6.15	46901	-0.789
Q92520	FAM3C	Protein FAM3C		+	10	3	16.7	8.46	24680	-0.088
Q86UY5	FAM83A	Protein FAM83A	+		1	1	2.5	9.04	47458	-0.381
Q6V0I7-3	FAT4	Protocadherin Fat 4	+	+	38	11	2.6	4.77	542687	NaN
Q8TES7-2	FBF1	Fas-binding factor 1	+		1	1	1.9	6.62	125446	NaN
P23142-4	FBLN1	Fibulin-1	+	+	53	7	11.9	4.89	77214	-0.288

P98095	FBLN2	Fibulin-2	+	+	5	1	0.8	4.46	126573	-0.328
H0YJ31	FBLN5	Fibulin-5	+	+	47	4	27.4	8.69	17647	-0.121
P09467	FBP1	Fructose-1.6-bisphosphatase 1	+	+	58	7	28.4	7	36842	-0.098
Q5FWF7	FBXO48	F-box only protein 48	+	+	54	1	3.9	7.41	18241	-0.727
Q9Y6R7	FCGBP	IgGFc-binding protein	+	+	25	7	3.4	4.99	572017	-0.11
Q15485-2	FCN2	Ficolin-2	+	+	27	4	15.6	6.24	34001	-0.464
P02671	FGA	Fibrinogen alpha chain	+	+	28	8	10.3	5.87	94973	-0.822
P02675	FGB	Fibrinogen beta chain	+	+	11	3	7.9	8.38	55928	-0.758
P31371	FGF9	Fibroblast growth factor 9	+		6	1	6.2	7.69	23441	-0.475
D6RBN8	FGFRL1	Fibroblast growth factor receptor-like 1	+		2	1	14.5	10.06	16408	-0.28
C9JPQ9	FGG	Fibrinogen gamma chain	+	+	7	1	10.1	7.29	13546	-0.508
Q14314	FGL2	Fibroleukin	+	+	49	6	15.7	7.42	50229	-0.645
C9JKI6	FIGNL1	Fidgetin-like protein 1	+		2	1	10.4	9.38	13992	-0.451
B4DVY7	FLOT1	Flotillin-1		+	5	3	9.8	7.58	47355	-0.338
Q9NZU0	FLRT3	Leucine-rich repeat transmembrane protein FLRT3	+		3	1	2.5	7.7	73004	-0.269
P02751-5	FN1	Fibronectin	+	+	480	45	26.5	5.39	262625	NaN
Q5H8C1	FREM1	FRAS1-related extracellular matrix protein 1	+	+	4	3	1.6	5.75	244154	-0.259
Q5SZK8-2	FREM2	FRAS1-related extracellular matrix protein 2	+	+	61	17	8.3	4.86	351157	NaN
Q6MZW2-3	FSTL4	Follistatin-related protein 4	+	+	7	2	5	5.65	93096	NaN
P02792	FTL	Ferritin light chain	+	+	4	2	12	5.59	20020	-0.52
P04066	FUCA1	Tissue alpha-L-fucosidase	+	+	24	6	15.2	6.84	53689	-0.42
Q9BTY2	FUCA2	Plasma alpha-L-fucosidase	+	+	21	3	6.6	6.2	54067	-0.296
Q9BQS8	FYCO1	FYVE and coiled-coil domain-containing protein 1	+	+	7	2	1.7	4.57	166983	-0.737
P10253	GAA	Lysosomal alpha-glucosidase	+	+	285	19	25.9	5.91	105324	-0.129

P54803	GALC	Galactocerebrosidase	+	+	9	3	5.1	6.62	77033	-0.159
P51570	GALK1	Galactokinase	+	+	8	3	10.2	6.42	42272	-0.075
Q96C23	GALM	Aldose 1-epimerase	+	+	12	2	8.5	6.65	37766	-0.322
P34059	GALNS	N-acetylgalactosamine-6-sulfatase	+	+	29	7	13.4	6.73	58026	-0.25
F5GY99	GALNT1	Polypeptide N-acetylgalactosaminyltransferase 1	+		2	2	5.4	NaN	57379	NaN
F5H6X6	GANAB	Neutral alpha-glucosidase AB	+	+	29	7	10.5	5.49	96216	-0.429
P04406	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	+	+	34	8	29.9	8.73	36053	-0.108
O14556	GAPDHS	Glyceraldehyde-3-phosphate dehydrogenase. testis-specific		+	2	2	4.4	8.34	44501	-0.21
P54826	GAS1	Growth arrest-specific protein 1	+	+	5	1	3.2	5.21	35693	-0.259
Q14393-5	GAS6	Growth arrest-specific protein 6	+	+	48	7	21.6	5.78	79677	NaN
P50440-3	GATM	Glycine amidinotransferase. mitochondrial	+	+	10	2	6.9	7.83	48455	-0.447
D6RF35	GC	Vitamin D-binding protein	+	+	11	4	10.1	5.2	53021	-0.359
B8ZZW2	GCC2	GRIP and coiled-coil domain-containing protein 2	+	+	1	1	1.4	4.54	107098	-0.868
H0YNM1	GCHFR	GTP cyclohydrolase 1 feedback regulatory protein	+		2	1	56.8	5.65	4899	-0.357
Q99988	GDF15	Growth/differentiation factor 15	+	+	9	1	5.2	10.05	34140	-0.363
P31150	GDI1	Rab GDP dissociation inhibitor alpha	+	+	8	4	10.1	4.75	50583	-0.302
P50395	GDI2	Rab GDP dissociation inhibitor beta	+	+	40	10	28.3	6.39	50663	-0.332
K7ELP4	GFAP	Glial fibrillary acidic protein	+	+	1	2	7.9	9.84	21280	-0.641
Q9BVM4	GGACT	Gamma-glutamylaminecyclotransferase	+	+	13	1	7.8	6.88	17329	-0.482
M0QZK8	GGCT	Gamma-glutamylcyclotransferase	+	+	4	1	12.6	4.59	11578	-0.681
Q92820	GGH	Gamma-glutamyl hydrolase	+	+	98	8	26.4	7.13	35964	-0.092
P19440	GGT1	Gamma-glutamyltranspeptidase 1	+	+	56	8	21.3	7.13	61410	0.013
B4DPG6	GGT6	Gamma-glutamyltransferase 6	+	+	15	3	15.9	6.12	35229	0.204
Q9NU53	GINM1	Glycoprotein integral membrane protein 1	+	+	12	2	5.8	4.53	36840	-0.02

Q8TF65	GIPC2	PDZ domain-containing protein GIPC2	+		3	1	7	6.39	34354	-0.25
P06280	GLA	Alpha-galactosidase A	+	+	40	8	17.2	5.27	48767	-0.25
P16278-3	GLB1	Beta-galactosidase	+	+	134	12	24.1	6.2	76075	-0.236
Q92896	GLG1	Golgi apparatus protein 1	+	+	25	6	5.3	6.9	134552	-0.483
Q5VZR0	GLIPR2	Golgi-associated plant pathogenesis-related protein 1		+	1	1	10.2	10.08	14213	-0.714
B7Z403	GLOD4	Glyoxalase domain-containing protein 4	+	+	13	3	11.4	4.98	32047	-0.409
P35754	GLRX	Glutaredoxin-1	+	+	10	1	10.4	8.21	11776	-0.007
P15104	GLUL	Glutamine synthetase		+	3	1	2.9	6.88	42064	-0.596
Q6IB77-2	GLYAT	Glycine N-acyltransferase	+	+	3	1	12.3	9.07	33924	-0.396
P17900	GM2A	Ganglioside GM2 activator	+	+	17	3	19.2	4.96	20838	0.202
C9JPP4	GNAI1	Guanine nucleotide-binding protein G(i) subunit alpha-1	+		2	1	10.4	6.78	16373	-0.283
F5GZL8	GNAI2	Guanine nucleotide-binding protein G(i) subunit alpha-2	+	+	7	2	9.5	NaN	31489	NaN
P08754	GNAI3	Guanine nucleotide-binding protein G(k) subunit alpha	+	+	12	2	6.5	5.37	40532	-0.362
B1AM21	GNAQ	Guanine nucleotide-binding protein G(q) subunit alpha	+		2	1	8.8	6.12	17059	-0.684
P63092-3	GNAS	Guanine nucleotide-binding protein G(s) subunit alpha isoforms short	+	+	17	4	12.7	6.2	45665	-0.551
Q9HAV0	GNB4	Guanine nucleotide-binding protein subunit beta-4	+	+	17	3	7.9	5.85	37567	-0.224
Q9UBI6	GNG12	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	+		7	2	37.5	9.38	8006	-0.394
G3V2C9	GNG2	Guanine nucleotide-binding protein subunit gamma		+	1	1	25	11	5904	0.087
H7C3P4	GNS	N-acetylglucosamine-6-sulfatase	+	+	86	9	19.2	8	56374	-0.372
R4GNH1	GOLGA1	Golgin subfamily A member 1	+	+	1	1	8.3	5.22	20044	-1.138
Q14789	GOLGB1	Golgin subfamily B member 1	+		1	1	0.4	4.66	376019	-0.937
Q8NBJ4-2	GOLM1	Golgi membrane protein 1	+	+	18	7	22.8	4.91	45333	NaN
B7Z7E9	GOT1	Aspartate aminotransferase	+	+	27	5	16.8	7.01	46248	-0.277

P07359	GP1BA	Platelet glycoprotein Ib alpha chain	+	+	12	3	4.4	6.24	71540	-0.198
Q9HCN6-2	GP6	Platelet glycoprotein VI	+	+	7	4	13.4	9.46	36866	-0.301
P35052	GPC1	Glypican-1	+	+	25	7	15.8	7.31	61680	-0.346
P51654-2	GPC3	Glypican-3	+	+	21	2	3.8	6.2	65563	-0.181
O75487	GPC4	Glypican-4	+	+	81	7	16.4	6.65	62412	-0.33
P21695-2	GPD1	Glycerol-3-phosphate dehydrogenase [NAD(+)]. cytoplasmic	+	+	31	6	22.4	6.84	37568	0.051
K7EQ48	GPI	Glucose-6-phosphate isomerase	+	+	20	4	8.6	8.98	53402	-0.375
Q8IZF2-3	GPR116	Probable G-protein coupled receptor 116	+	+	7	2	1.7	6.03	149457	NaN
Q86V85	GPR180	Integral membrane protein GPR180	+	+	6	2	5.7	7.41	49395	0.259
F5GWG3	GPRC5A	Retinoic acid-induced protein 3	+		2	1	4.8	9.27	30618	0.732
Q9NZH0	GPRC5B	G-protein coupled receptor family C group 5 member B	+	+	18	2	9.9	8.33	44795	0.503
Q9NQ84	GPRC5C	G-protein coupled receptor family C group 5 member C	+	+	66	7	20.4	8.52	48193	0.362
P24298	GPT	Alanine aminotransferase 1		+	2	2	4.2	7.2	54637	-0.109
P07203	GPX1	Glutathione peroxidase 1	+	+	9	4	25.1	6.51	22088	-0.07
P22352	GPX3	Glutathione peroxidase 3	+	+	34	5	24.8	8.29	25552	-0.222
K7ERP4	GPX4	Glutathione peroxidase	+	+	5	1	7.7	7.82	17629	-0.335
Q9UBQ7	GRHPR	Glyoxylate reductase/hydroxypyruvate reductase	+	+	14	2	10.7	7.44	35668	-0.015
P06396	GSN	Gelsolin	+	+	221	17	31.2	6.19	85698	-0.415
P00390-5	GSR	Glutathione reductase. mitochondrial	+		4	2	5.2	8.98	56257	-0.096
B7Z514	GSS	Glutathione synthetase	+		2	2	7.5	7.2	38179	-0.25
P09210	GSTA2	Glutathione S-transferase A2	+	+	17	5	24.8	9.06	25664	-0.322
P21266	GSTM3	Glutathione S-transferase Mu 3	+	+	21	5	22.2	5.19	26560	-0.406
Q5TA01	GSTO1	Glutathione S-transferase omega-1	+	+	8	1	7.2	6.52	20938	-0.285
A8MX94	GSTP1	Glutathione S-transferase P	+	+	67	6	43.1	5.76	19480	-0.02

Q02153-2	GUCY1B3	Guanylate cyclase soluble subunit beta-1	+		1	1	2.6	4.83	70514	-0.282
P08236-3	GUSB	Beta-glucuronidase	+	+	46	9	16	6.99	74732	-0.366
P69905	HBA1	Hemoglobin subunit alpha	+	+	16	3	25.4	9.09	15258	0.048
P68871	HBB	Hemoglobin subunit beta	+	+	99	7	61.2	7.32	15998	0.014
P02042	HBD	Hemoglobin subunit delta	+	+	10	5	42.2	8.26	16055	-0.046
E7EVH9	HDHD1	Pseudouridine-5-monophosphatase	+	+	1	1	7.3	7.58	21466	-0.192
H0YG71	HEBP1	Heme-binding protein 1	+	+	4	1	24.2	9.14	6910	-0.326
Q5THN1	HEBP2	Heme-binding protein 2	+	+	1	1	12.9	4.64	12649	-0.595
Q9Y4D8-4	HECTD4	Probable E3 ubiquitin-protein ligase HECTD4	+	+	4	1	0.2	5.82	439344	NaN
H3BS10	HEXA	Beta-hexosaminidase	+	+	19	6	12	4.89	58440	-0.205
P07686	HEXB	Beta-hexosaminidase subunit beta	+	+	21	6	10.3	6.75	63111	-0.174
Q99878	HIST1H2AJ	Histone H2A type 1-J	+	+	11	2	12.5	11.53	13936	-0.446
Q99880	HIST1H2BL	Histone H2B type 1-L	+	+	10	3	19.8	11	13952	-0.698
P62805	HIST1H4A	Histone H4	+	+	56	5	50.5	11.91	11367	-0.521
P19367-4	HK1	Hexokinase-1	+		1	1	1.3	6.89	102486	-0.214
P52790	HK3	Hexokinase-3	+	+	7	1	1.5	5.06	99025	0.1
Q31612	HLA-B	HLA class I histocompatibility antigen. B-73 alpha chain	+	+	22	4	12.9	6.19	40435	-0.497
F5H135	HLA-DPB1	HLA class II histocompatibility antigen. DP beta 1 chain	+		1	1	7.3	NaN	14242	NaN
Q96RW7-2	HMCN1	Hemicentin-1	+		2	2	0.5	6.08	613390	NaN
K7EJR8	HMG20B	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1-related		+	3	1	7.6	10.6	20467	-0.768
P50135	HNMT	Histamine N-methyltransferase		+	2	2	6.5	4.98	33295	-0.317
Q5T6W2	HNRNPK	Heterogeneous nuclear ribonucleoprotein K		+	1	1	4.5	5.23	41807	-0.732
M0R203	HNRNPUL1	Heterogeneous nuclear ribonucleoprotein U-like protein 1		+	2	1	21	8.93	9796	-1.717

Q86XE5-3	HOGA1	Probable 4-hydroxy-2-oxoglutarate aldolase. mitochondrial		+	2	1	9.1	7.85	35249	-0.17
J3QLC9	HP	Haptoglobin	+	+	53	9	25.5	5.62	40780	-0.414
Q9UM19	HPCAL4	Hippocalcin-like protein 4	+		1	1	10.5	4.51	22202	-0.465
P32754-2	HPD	4-hydroxyphenylpyruvate dioxygenase	+	+	14	4	10.7	6.3	44934	-0.438
P15428	HPGD	15-hydroxyprostaglandin dehydrogenase [NAD(+)]	+	+	10	5	20.7	5.65	28977	-0.009
P05981	HPN	Serine protease hepsin	+	+	10	2	7	7.66	45011	-0.03
P02790	HPX	Hemopexin	+	+	34	5	14.7	7.02	51676	-0.434
P01112-2	HRAS	GTPase HRas	+	+	4	1	7.6	4.6	21298	-0.457
Q86YZ3	HRNR	Hornerin	+	+	4	1	1.5	10.24	282390	-1.364
P52758	HRSP12	Ribonuclease UK114	+	+	14	3	27	9.02	14494	0.127
P07900	HSP90AA1	Heat shock protein HSP 90-alpha	+	+	39	12	17.1	4.66	84660	-0.75
P08238	HSP90AB1	Heat shock protein HSP 90-beta	+	+	67	13	18.5	4.68	83264	-0.678
P14625	HSP90B1	Endoplasmin	+	+	23	6	9.5	4.48	92469	-0.713
P08107-2	HSPA1A	Heat shock 70 kDa protein 1A/1B	+	+	17	6	13.3	5.48	70052	NaN
P54652	HSPA2	Heat shock-related 70 kDa protein 2	+	+	12	6	12.8	5.42	70021	-0.486
P34932	HSPA4	Heat shock 70 kDa protein 4		+	2	1	1.7	4.82	94331	-0.581
P11021	HSPA5	78 kDa glucose-regulated protein	+	+	43	8	18	4.8	72333	-0.487
P17066	HSPA6	Heat shock 70 kDa protein 6	+	+	6	4	8.7	6.01	71028	-0.46
E9PK54	HSPA8	Heat shock cognate 71 kDa protein	+	+	12	6	42.1	7.5	20013	-0.215
E9PKE3	HSPA8	Heat shock cognate 71 kDa protein	+	+	64	9	18.8	5.16	68806	-0.463
D6RA73	HSPA9	Stress-70 protein. mitochondrial	+		2	1	14.5	10.23	6810	-0.7
P04792	HSPB1	Heat shock protein beta-1	+	+	25	7	54.1	6.36	22783	-0.567
P98160	HSPG2	Basement membrane-specific heparan sulfate proteoglycan core protein	+	+	271	25	6.8	6.49	468830	-0.294

Q12794	HYAL1	Hyaluronidase-1	+	+	43	8	25.1	6.77	48368	-0.123
J3QL06	HYOU1	Hypoxia up-regulated protein 1	+	+	4	1	5.7	10.04	23698	-0.078
O75144	ICOSLG	ICOS ligand	+	+	5	1	3.3	4.96	33349	-0.016
O75874	IDH1	Isocitrate dehydrogenase [NADP] cytoplasmic	+	+	31	6	17.9	7.01	46659	-0.392
B4DFL2	IDH2	Isocitrate dehydrogenase [NADP]		+	1	1	4.2	8.95	50909	-0.397
D6REB5	IDUA	Alpha-L-iduronidase	+	+	13	3	5.6	9.02	57869	-0.31
H7BYV1	IFITM2	Interferon-induced transmembrane protein 1	+	+	9	1	21.6	9.93	8198	0.773
P11717	IGF2R	Cation-independent mannose-6-phosphate receptor		+	8	2	1	5.75	274375	-0.37
P35858	IGFALS	Insulin-like growth factor-binding protein complex acid labile subunit	+	+	19	4	8.4	6.78	66035	0.019
H0Y485	IGFBP3	Insulin-like growth factor-binding protein 3	+	+	6	1	7.7	9.95	16553	-1.158
Q16270-2	IGFBP7	Insulin-like growth factor-binding protein 7	+	+	42	7	34.1	8.17	29130	-0.236
P01876	IGHA1	Ig alpha-1 chain C region	+	+	211	10	34.8	6.49	37655	-0.206
P01877	IGHA2	Ig alpha-2 chain C region	+	+	77	7	21.2	6.02	36526	-0.243
P01857	IGHG1	Ig gamma-1 chain C region	+	+	332	11	44.5	8.31	36106	-0.428
P01859	IGHG2	Ig gamma-2 chain C region	+	+	57	9	35	7.66	35901	-0.419
P01861	IGHG4	Ig gamma-4 chain C region	+	+	21	7	29.7	7.41	35941	-0.423
P01871	IGHM	Ig mu chain C region	+	+	74	9	23	6.77	49307	-0.326
D6RD17	IGJ	Immunoglobulin J chain	+	+	23	3	21.7	5.31	18122	-0.402
P01834	IGKC	Ig kappa chain C region	+	+	611	8	90.6	5.68	11609	-0.5
P83593	IGKV4-1	Ig kappa chain V-IV region STH	+	+	10	2	19.3	8.16	12060	-0.409
P0CG05	IGLC2	Ig lambda-2 chain C regions	+	+	174	6	67	7.34	11294	-0.444
A0M8Q6	IGLC7	Ig lambda-7 chain C region		+	4	3	41.5	8.48	11303	-0.437
B9A064	IGLL5	Immunoglobulin lambda-like polypeptide 5	+	+	121	5	31.3	9.05	23063	-0.404
C9J8Z4	IGSF8	Immunoglobulin superfamily member 8	+	+	20	6	23.3	6.78	32285	-0.091

C9J1D9	IL1RAP	Interleukin-1 receptor accessory protein	+	+	6	3	20.7	5.22	17178	-0.316
P40189-2	IL6ST	Interleukin-6 receptor subunit beta	+	+	9	3	10.3	5.41	103537	-0.273
E5RG13	IMPA1	Inositol monophosphatase 1		+	3	2	15.7	8.2	17059	-0.075
F5GY16	INPPL1	Phosphatidylinositol 3.4.5-trisphosphate 5-phosphatase 2	+	+	1	1	6.3	11.18	14565	-0.596
P46940	IQGAP1	Ras GTPase-activating-like protein IQGAP1	+		5	3	2.4	6.43	189252	-0.495
Q13576-3	IQGAP2	Ras GTPase-activating-like protein IQGAP2	+	+	1	1	1.5	6.97	180578	-0.508
Q9HBB2	IRP1	Cytoplasmic aconitate hydratase	+	+	4	1	2.2	6.52	87089	-0.134
O14498	ISLR	Immunoglobulin superfamily containing leucine-rich repeat protein	+	+	42	3	8.9	4.79	45997	0.025
P53990-2	IST1	IST1 homolog	+	+	40	9	22.1	5.06	39751	-0.307
Q9H0X4	ITFG3	Protein ITFG3		+	1	2	5.4	6.23	59660	-0.055
P11215	ITGAM	Integrin alpha-M	+	+	2	1	1.6	7.24	127179	-0.187
F5H7E1	ITIH1	Inter-alpha-trypsin inhibitor heavy chain H1	+		2	2	4.5	NaN	7212	NaN
Q5T985	ITIH2	Inter-alpha-trypsin inhibitor heavy chain H2	+	+	11	4	5	7.03	105216	-0.284
Q14624-3	ITIH4	Inter-alpha-trypsin inhibitor heavy chain H4	+	+	171	11	16.1	6.43	103357	-0.291
Q8WWA0	ITLN1	Intelectin-1	+	+	6	2	6.1	5.89	34962	-0.517
Q9Y287-2	ITM2B	Integral membrane protein 2B	+		2	1	6.2	7.39	30338	-0.084
P05412	JUN	Transcription factor AP-1	+		0	1	6.3	9.12	35676	-0.469
F5GWP8	JUP	Keratin. type I cytoskeletal 17	+	+	6	12	20.6	4.6	40287	-0.669
K7EMW1	KATNAL2	Katanin p60 ATPase-containing subunit A-like 2		+	3	1	7.7	9.57	25456	-0.814
Q14721	KCNB1	Potassium voltage-gated channel subfamily B member 1		+	5	1	2.2	8.17	95878	-0.378
Q6ZSE9	KCNC3	cDNA FLJ45584 fis. clone BRTHA3013860		+	1	1	4.5	11.96	16502	-0.625
C9JDL1	KHK	Ketohexokinase	+	+	11	3	13.6	5.71	30963	-0.147
H7C0G8	KIAA1109	Uncharacterized protein KIAA1109		+	2	1	1.1	6.58	158438	-0.443
Q5T5P1	KIAA1217	Sickle tail protein homolog	+		1	1	1.7	9.53	103666	-0.678

D6RH05	KIAA1257	Uncharacterized protein KIAA1257	+		2	1	3.5	9.33	45663	-0.779
B4DN67	KIRREL	Kin of IRRE-like protein 1	+	+	2	1	2.4	5.53	72722	-0.382
Q9UEF7	KL	Klotho	+	+	4	3	3.3	8.05	116181	-0.265
F8WAM8	KLK1	Kallikrein-1	+	+	19	2	14.4	NaN	17412	NaN
Q9UKR3	KLK13	Kallikrein-13	+	+	11	3	11.2	8.55	30570	-0.332
P07288-3	KLK3	Prostate-specific antigen	+	+	18	3	11.5	7.4	28741	0.059
E9PBC5	KLKB1	Plasma kallikrein	+	+	1	1	2.5	8.36	61839	-0.18
Q8NEZ4-2	KMT2C	Histone-lysine N-methyltransferase 2C	+		0	1	0.3	6.63	541370	-0.473
P01042-2	KNG1	Kininogen-1	+	+	232	18	42.6	6.23	71957	NaN
O00629	KPNA4	Importin subunit alpha-3	+	+	2	1	2.5	4.56	57887	-0.164
P01116-2	KRAS	GTPase KRas		+	2	1	6.9	8.3	21656	-0.574
P04264	KRT1	Keratin. type II cytoskeletal 1	+	+	613	33	46.7	8.33	66039	-0.626
P13645	KRT10	Keratin. type I cytoskeletal 10	+	+	559	28	55.7	4.88	58827	-0.624
P02533	KRT14	Keratin. type I cytoskeletal 14	+	+	138	18	42.8	4.81	51561	-0.537
P08779	KRT16	Keratin. type I cytoskeletal 16	+	+	50	14	32.1	4.69	51268	-0.517
Q04695	KRT17	Keratin. type I cytoskeletal 17	+	+	15	13	28.7	4.67	48106	-0.611
F8VZY9	KRT18	Keratin. type I cytoskeletal 18	+	+	2	3	6.6	5	43774	-0.542
P08727	KRT19	Keratin. type I cytoskeletal 19	+	+	36	11	27.5	4.78	44106	-0.531
P35908	KRT2	Keratin. type II cytoskeletal 2 epidermal	+	+	600	36	59.5	8.17	65433	-0.471
Q15323	KRT31	Keratin. type I cuticular Ha1		+	2	3	6.5	4.53	47237	-0.547
P19013	KRT4	Keratin. type II cytoskeletal 4	+	+	131	21	35.4	6.55	57285	-0.389
P13647	KRT5	Keratin. type II cytoskeletal 5	+	+	195	29	46.4	7.91	62378	-0.428
P02538	KRT6A	Keratin. type II cytoskeletal 6A	+	+	121	27	44.5	8.16	60045	-0.438
P48668	KRT6C	Keratin. type II cytoskeletal 6C	+	+	8	26	42.7	8.16	60025	-0.432

Q14CN4-3	KRT72	Keratin. type II cytoskeletal 72		+	1	6	10	6.34	55877	-0.37
Q7Z794	KRT77	Keratin. type II cytoskeletal 1b	+	+	76	7	10.4	5.78	61901	-0.518
Q8N1N4	KRT78	Keratin. type II cytoskeletal 78	+	+	16	9	16.9	5.83	56866	-0.471
P05787	KRT8	Keratin. type II cytoskeletal 8	+	+	6	11	17.8	5.26	53704	-0.597
Q6KB66-2	KRT80	Keratin. type II cytoskeletal 80	+	+	1	1	3.3	4.96	50525	-0.427
P35527	KRT9	Keratin. type I cytoskeletal 9	+	+	390	26	60.4	4.89	62064	-0.701
F8WC07	LAIR1	Leukocyte-associated immunoglobulin-like receptor 1	+	+	6	2	14.4	4.59	16772	-0.732
O15230	LAMA5	Laminin subunit alpha-5	+	+	9	6	2.5	7.01	399737	-0.274
P07942	LAMB1	Laminin subunit beta-1	+	+	9	2	1.8	4.57	198038	-0.469
P55268	LAMB2	Laminin subunit beta-2	+	+	19	6	4.4	6.5	195981	-0.461
A4D0S4-3	LAMB4	Laminin subunit beta-4	+	+	2	1	0.9	5.89	193540	NaN
P11047	LAMC1	Laminin subunit gamma-1	+	+	30	8	7.3	4.76	177603	-0.615
P11279	LAMP1	Lysosome-associated membrane glycoprotein 1	+	+	12	2	4.8	8.92	44882	-0.02
P28838-2	LAP3	Cytosol aminopeptidase	+	+	9	3	8	6.72	56166	-0.21
F8VNV1	LARP4	La-related protein 4	+	+	7	1	15.7	3.87	12323	-0.509
J3QSE5	LCAT	Phosphatidylcholine-sterol acyltransferase	+	+	48	4	18.8	6.51	29387	-0.19
P80188-2	LCN2	Neutrophil gelatinase-associated lipocalin	+	+	14	1	7.6	9.34	22588	NaN
P13796	LCP1	Plastin-2	+	+	14	5	9.3	5.07	70288	-0.312
P00338	LDHA	L-lactate dehydrogenase A chain	+	+	19	8	22	8.45	36689	-0.006
P07195	LDHB	L-lactate dehydrogenase B chain	+	+	102	11	35.6	5.93	36638	0.056
D6RID7	LEF1	Lymphoid enhancer-binding factor 1	+	+	5	1	13.5	7.11	14613	-0.391
Q08380	LGALS3BP	Galectin-3-binding protein	+	+	258	14	27.2	4.9	65331	-0.135
P47929	LGALS7	Galectin-7	+	+	6	1	8.1	7.78	15075	-0.343
J3KS82	LGALS9	Galectin-9	+	+	10	2	12.6	8.23	19131	0.077

P01229	LHB	Lutropin subunit beta	+	+	2	1	17.7	7.8	15345	0.321
A6NI73-4	LILRA5	Leukocyte immunoglobulin-like receptor subfamily A member 5	+	+	9	1	6.3	6.24	32755	-0.343
C9JF29	LILRB2	Leukocyte immunoglobulin-like receptor subfamily B member 2	+	+	7	1	3.3	7.23	65039	-0.321
A8MUE1	LILRB4	Leukocyte immunoglobulin-like receptor subfamily B member 4	+	+	9	2	7.1	7.44	43248	-0.39
D6RBV2	LMAN2	Vesicular integral-membrane protein VIP36	+	+	172	8	32.9	6.65	36543	-0.464
O94910-2	LPHN1	Latrophilin-1	+	+	31	6	5	6.51	162717	-0.222
O95490-3	LPHN2	Latrophilin-2	+	+	10	2	2	6.84	163349	-0.044
P06858	LPL	Lipoprotein lipase	+	+	16	3	8.8	8.26	53162	-0.321
P02750	LRG1	Leucine-rich alpha-2-glycoprotein	+	+	172	13	44.4	6.95	38178	-0.144
O94898	LRIG2	Leucine-rich repeats and immunoglobulin-like domains protein 2	+	+	7	1	1.1	5.27	118965	-0.232
P98164	LRP2	Low-density lipoprotein receptor-related protein 2	+	+	452	47	10.9	4.68	521958	-0.471
F5H7J9	LRP6	Low-density lipoprotein receptor-related protein 6		+	2	1	0.7	5.08	175436	-0.341
Q9H756	LRRC19	Leucine-rich repeat-containing protein 19	+		3	1	3.5	4.78	42334	-0.055
Q96FV0	LRRC46	Leucine-rich repeat-containing protein 46	+		1	1	4.4	4.57	35340	-0.478
Q6ZRR7-2	LRRC9	Leucine-rich repeat-containing protein 9	+		2	1	2.1	7.6	166911	-0.258
A4D1F6	LRRD1	Leucine-rich repeat and death domain-containing protein 1	+	+	2	1	1.9	7.49	98035	-0.236
Q8WUT4	LRRN4	Leucine-rich repeat neuronal protein 4	+	+	5	2	2.7	7.2	78843	-0.169
P09960-3	LTA4H	Leukotriene A-4 hydrolase	+	+	23	5	13.2	5.96	69285	-0.239
P02788-2	LTF	Lactotransferrin	+	+	485	32	56.8	7.9	78182	-0.387
P51884	LUM	Lumican	+	+	37	7	25.7	6.6	38429	-0.276
F6XWZ1	LY6G6D	Lymphocyte antigen 6 complex locus protein G6d		+	2	1	6.9	11.24	18787	-0.425
Q9BZG9-3	LYNX1	Ly-6/neurotoxin-like protein 1	+	+	26	2	24.7	6.63	14026	0.391
E5RGR0	LYPLA1	Acyl-protein thioesterase 1	+	+	4	1	6.6	7.08	20861	0.066
G3V521	LYRM5	LYR motif-containing protein 5		+	9	1	32.4	10.38	4035	-0.594

F8VV32	LYZ	Lysozyme C	+	+	23	3	26.9	9.29	11488	-0.167
Q13477-2	MADCAM 1	Mucosal addressin cell adhesion molecule 1	+	+	4	1	5.5	5.51	40155	NaN
Q969L2	MAL2	Protein MAL2	+		1	1	6.2	6.21	19125	0.728
Q7Z304-2	MAMDC2	MAM domain-containing protein 2	+		2	1	9	5.37	77556	NaN
P33908	MAN1A1	Mannosyl-oligosaccharide 1.2-alpha-mannosidase IA	+	+	92	9	14.4	6.44	72969	-0.265
B3KQC5	MAN1B1	Endoplasmic reticulum mannosyl-oligosaccharide 1.2-alpha-mannosidase		+	4	2	7.7	6.62	30589	-0.355
Q9NR34	MAN1C1	Mannosyl-oligosaccharide 1.2-alpha-mannosidase IC	+	+	8	2	4	7.51	70911	-0.352
Q16706	MAN2A1	Alpha-mannosidase 2	+	+	13	3	3.1	7.61	131141	-0.334
H0YKH9	MAN2A2	Alpha-mannosidase 2x	+	+	6	1	3.9	7.36	40253	-0.094
O00754-2	MAN2B1	Lysosomal alpha-mannosidase	+	+	7	4	4.7	7.29	113744	-0.293
H0YA68	MAN2B2	Epididymis-specific alpha-mannosidase	+	+	42	7	10.4	7.05	107627	-0.292
O00462	MANBA	Beta-mannosidase	+	+	9	4	4.4	5.21	100895	-0.236
Q8NDC0	MAPK1IP 1L	MAPK-interacting and spindle-stabilizing protein-like	+	+	12	1	6.9	5.43	24269	-0.631
O00187-2	MASP2	Mannan-binding lectin serine protease 2	+	+	224	4	30.3	5.86	75702	-0.361
P43121	MCAM	Cell surface glycoprotein MUC18	+	+	23	5	10.2	5.5	71607	-0.416
B9A041	MDH1	Malate dehydrogenase. cytoplasmic	+	+	23	6	30	7.5	23038	-0.213
F8WAE6	MED12L	Mediator of RNA polymerase II transcription subunit 12-like protein		+	2	1	0.9	7.62	203781	-0.415
Q7Z7M0	MEGF8	Multiple epidermal growth factor-like domains protein 8	+	+	65	10	5	6.86	303100	-0.242
P08582	MFI2	Melanotransferrin	+	+	15	5	7.2	5.8	80215	-0.191
H3BU53	MGA	MAX gene-associated protein	+		1	1	1.7	7.16	127248	-0.539
E7ER45	MGAM	Maltase-glucoamylase. intestinal	+	+	94	16	11.1	5.05	312022	-0.336
Q09328	MGAT5	Alpha-1.6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase A	+	+	8	3	4.3	8.21	84543	-0.28
Q9BRT3	MIEN1	Migration and invasion enhancer 1		+	4	2	29.6	4.07	12403	-0.241

Q9UNW1-3	MINPP1	Multiple inositol polyphosphate phosphatase 1	+	+	14	2	8.5	9.11	55051	NaN
Q8WV92	MITD1	MIT domain-containing protein 1	+	+	9	3	12	8.13	29314	-0.702
F5H1S8	MLEC	Malectin	+	+	10	1	8.9	5.26	16729	-0.308
P08473	MME	Neprilysin	+	+	182	23	33.6	5.43	85514	-0.447
P09237	MMP7	Matrilysin	+	+	7	3	8.6	8.08	29677	-0.369
Q9H8L6	MMRN2	Multimerin-2	+	+	19	4	6.2	5.7	104409	-0.404
K7ELH3	MOB3A	MOB kinase activator 3A	+		1	1	73.3	11.08	2100	-0.882
E9PKT9	MOCS2	Molybdopterin synthase sulfur carrier subunit	+	+	3	1	13.3	4.38	9215	0.101
P05164-2	MPO	Myeloperoxidase	+	+	70	10	16.3	9.31	83869	NaN
F5H702	MRPL48	39S ribosomal protein L48. mitochondrial	+	+	7	1	10.6	4.94	12770	-0.15
H3BMA1	MSLN	Mesothelin	+	+	15	3	10.8	5.76	37673	-0.25
P26038	MSN	Moesin	+	+	13	6	9.7	6.32	67820	-0.975
P11586	MTHFD1	C-1-tetrahydrofolate synthase. cytoplasmic	+	+	17	5	6.1	7.32	101559	-0.095
C9JL85	MTPN	Myotrophin	+	+	6	1	32.7	4.36	5704	-0.446
P15941-7	MUC1	Mucin-1	+	+	27	5	29	6.35	122102	-0.089
Q9HC84	MUC5B	Mucin-5B	+	+	123	18	4.7	6.63	596340	-0.233
Q6W4X9	MUC6	Mucin-6	+	+	14	6	3	7.39	257051	-0.276
E9PLL0	MVB12A	Multivesicular body subunit 12A	+	+	8	1	12.4	11.08	12987	-0.369
Q9NR99	MXRA5	Matrix-remodeling-associated protein 5	+	+	34	9	3.6	8.44	312150	-0.464
Q9BRK3-3	MXRA8	Matrix-remodeling-associated protein 8	+	+	95	8	20.3	7.11	49132	-0.385
M0QY43	MYH14	Myosin-14	+		4	1	1.3	7.64	113854	-0.475
P35579-2	MYH9	Myosin-9	+	+	12	5	4.3	5.76	226532	NaN
F8VPF3	MYL6	Myosin light polypeptide 6	+	+	4	1	10	4.14	14436	-0.445
Q92614-5	MYO18A	Unconventional myosin-XVIIIa	+	+	8	1	0.9	5.67	233115	NaN

Q99972	MYOC	Myocilin	+	+	24	5	11.7	5.21	56972	-0.519
P04259	KRT6B	Keratin. type II cytoskeletal 6B	+		NaN	NaN	NaN	NaN	60067	NaN
P13646-1	KRT13	Keratin. type I cytoskeletal 13	+	+	NaN	NaN	NaN	NaN	49588	NaN
Q7Z3Y7	KRT28	Keratin. type I cytoskeletal 28	+		NaN	NaN	NaN	NaN	50567	NaN
P01593	N/A	Ig kappa chain V-I region AG	+	+	193	2	23.1	5.77	11992	-0.505
P01598	N/A	Ig kappa chain V-I region EU	+	+	145	2	26.9	8.69	11788	-0.409
P01604	N/A	Ig kappa chain V-I region Kue		+	2	1	10.2	9.06	12127	-0.548
P01605	N/A	Ig kappa chain V-I region Lay	+	+	13	2	25	8.18	11834	-0.452
P01611	N/A	Ig kappa chain V-I region Wes	+	+	51	1	16.7	7.41	11608	-0.24
P01612	N/A	Ig kappa chain V-I region Mev	+	+	20	1	16.5	6.47	11870	-0.423
P01613	N/A	Ig kappa chain V-I region Ni	+	+	75	2	30.4	4.98	12246	NaN
P01617	N/A	Ig kappa chain V-II region TEW	+	+	61	3	38.9	5.78	12316	NaN
P01620	N/A	Ig kappa chain V-III region SIE	+	+	80	4	54.1	8.68	11775	-0.435
P01623	N/A	Ig kappa chain V-III region WOL	+	+	7	4	45.9	9.11	11746	-0.382
P01624	N/A	Ig kappa chain V-III region POM	+	+	13	2	24.8	9.12	11922	-0.353
P01625	N/A	Ig kappa chain V-IV region Len	+	+	66	2	23.7	8.15	12640	-0.467
P01714	N/A	Ig lambda chain V-III region SH	+	+	18	2	25	6.5	11393	-0.436
P01717	N/A	Ig lambda chain V-IV region Hil	+	+	21	2	28	6.45	11517	-0.393
P01742	N/A	Ig heavy chain V-I region EU	+	+	9	1	10.3	6.53	12472	-0.179
P01743	N/A	Ig heavy chain V-I region HG3	+	+	3	1	9.4	9.14	12946	-0.24
P01762	N/A	Ig heavy chain V-III region TRO	+		4	2	15.6	10	13473	NaN
P01764	N/A	Ig heavy chain V-III region VH26	+	+	23	2	18.8	8.46	12582	0.05
P01765	N/A	Ig heavy chain V-III region TIL	+	+	11	2	26.1	9.4	12356	NaN
P01769	N/A	Ig heavy chain V-III region GA	+	+	5	1	9	10.02	13167	NaN

P01777	N/A	Ig heavy chain V-III region TEI	+	+	44	1	16	8.69	12803	NaN
P01781	N/A	Ig heavy chain V-III region GAL	+	+	23	2	23.3	8.7	12731	NaN
P80748	N/A	Ig lambda chain V-III region LOI	+	+	54	3	37.8	4.72	11935	-0.407
R4GNC0	NAAA	N-acylethanolamine-hydrolyzing acid amidase	+		3	3	15.3	7.87	24836	-0.192
P17050	NAGA	Alpha-N-acetylgalactosaminidase	+	+	72	5	14.8	4.78	46565	-0.123
Q9UJ70-2	NAGK	N-acetyl-D-glucosamine kinase		+	1	2	6.2	6.67	37376	-0.113
P54802	NAGLU	Alpha-N-acetylglucosaminidase	+	+	333	23	41	6.63	82266	-0.039
C9J8U2	NAPRT1	Nicotinate phosphoribosyltransferase	+	+	7	1	2.9	4.96	52162	0.131
O96009	NAPSA	Napsin-A	+	+	84	4	11	6.6	45387	0.17
K7EN96	NCLN	Nicalin	+	+	1	1	18.1	10.03	8134	0.299
H0Y6T7	NCSTN	Nicastrin		+	3	2	7.3	5.08	30157	-0.2
Q14511-3	NEDD9	Enhancer of filamentation 1		+	2	1	1.6	6.63	92861	-0.579
P12036-2	NEFH	Neurofilament heavy polypeptide	+		1	3	2.5	5.79	112479	NaN
Q92859-3	NEO1	Neogenin		+	2	1	0.9	6.37	160017	-0.393
Q99519	NEU1	Sialidase-1	+	+	31	6	15.2	5.67	45467	-0.165
Q5JS37	NHLRC3	NHL repeat-containing protein 3	+		2	1	4.6	6.4	38283	0.032
P14543-2	NID1	Nidogen-1	+	+	111	7	11.8	5.14	136377	-0.364
Q14112-2	NID2	Nidogen-2	+	+	9	2	1.9	5.13	151254	NaN
Q9NQR4	NIT2	Omega-amidase NIT2	+	+	7	1	5.4	7.27	30608	-0.186
E7ERL0	NME1	Nucleoside diphosphate kinase A	+	+	7	2	15.8	8.49	15261	0.024
Q9Y5X5-2	NPFFR2	Neuropeptide FF receptor 2	+		1	1	2.6	9.05	60270	0.203
Q9NP85-2	NPHS2	Podocin	+	+	9	2	9.2	8.74	42201	-0.263
Q5TD07	NQO2	Ribosyldihydronicotinamide dehydrogenase [quinone]	+	+	8	2	15	6.51	21537	-0.341
O14786-3	NRP1	Neuropilin-1	+	+	17	3	7.1	6.06	103134	-0.41

Q9Y4C0-4	NRXN3	Neurexin-3	+	+	8	3	2	5.86	180599	-0.283
Q9HB63-3	NTN4	Netrin-4	+	+	3	1	2.5	7.99	70071	-0.514
Q02818	NUCB1	Nucleobindin-1	+	+	14	5	11.7	4.92	53879	-1.009
P36639-4	NUDT1	7.8-dihydro-8-oxoguanine triphosphatase	+	+	12	2	16	4.71	22520	-0.335
P61970	NUTF2	Nuclear transport factor 2	+	+	69	4	35.4	5.02	14478	-0.201
Q86UD1	OAF	Out at first protein homolog	+	+	11	4	22.7	6.84	30688	-0.262
K7ENS7	OGFOD3	2-oxoglutarate and iron-dependent oxygenase domain-containing protein 3	+	+	8	1	5	7.01	25361	-0.199
P20774	OGN	Mimecan	+	+	6	1	3.4	5.28	33922	-0.268
Q6UX06	OLFM4	Olfactomedin-4	+	+	89	6	12.9	5.37	57280	-0.287
Q68BL8	OLFML2B	Olfactomedin-like protein 2B	+		3	1	2.3	4.83	83999	-0.516
F5H7N8	OLR1	Oxidized low-density lipoprotein receptor 1	+	+	7	2	11.7	6.66	24468	-0.53
Q14982-3	OPCML	Opioid-binding protein/cell adhesion molecule	+	+	3	1	3.6	5.74	38008	-0.172
P02763	ORM1	Alpha-1-acid glycoprotein 1	+	+	17	3	11.4	4.66	23512	-0.536
Q9H4L5-8	OSBPL3	Oxysterol-binding protein-related protein 3		+	1	1	2.3	6.47	101224	-0.564
F5GYN4	OTUB1	Ubiquitin thioesterase OTUB1	+	+	4	2	11.2	4.95	28051	-0.517
B7Z528	OXCT1	Succinyl-CoA:3-ketoacid coenzyme A transferase 1. mitochondrial	+	+	6	1	7.3	7.52	56158	-0.108
F5H8J2	P4HB	Protein disulfide-isomerase	+	+	10	2	5.8	4.56	51126	-0.483
Q9UQ80	PA2G4	Proliferation-associated protein 2G4		+	2	1	3	6.52	43787	-0.498
P09466-3	PAEP	Glycodelin	+	+	10	1	16.3	4.9	20624	NaN
M0QXS6	PAFAH1B3	Platelet-activating factor acetylhydrolase IB subunit gamma		+	1	1	23.2	5.48	10813	-0.563
P00439	PAH	Phenylalanine-4-hydroxylase	+	+	4	2	5.1	6.57	51862	-0.376
H7BYD9	PAM	Peptidyl-glycine alpha-amidating monooxygenase	+		4	2	2.7	5.91	75675	-0.472
Q9BXP8	PAPPA2	Pappalysin-2	+	+	16	6	3.7	5.16	198539	-0.408

F5GZI3	PARD3	Partitioning defective 3 homolog		+	1	1	1.7	8.76	82064	-0.73
K7ELW0	PARK7	Protein DJ-1	+	+	9	1	8.9	8.07	17910	-0.002
V9GY00	PBLD	Phenazine biosynthesis-like domain-containing protein	+	+	12	2	32.2	9.47	10198	-0.535
P61457	PCBD1	Pterin-4-alpha-carbinolamine dehydratase	+		2	2	25	6.8	12000	-0.362
F5H3L5	PCDH1	Protocadherin-1	+	+	36	5	5.7	NaN	NaN	NaN
Q9NPG4	PCDH12	Protocadherin-12	+	+	52	4	4.6	4.93	128995	-0.335
Q9Y5H8-2	PCDHA3	Protocadherin alpha-3	+	+	4	3	4.4	4.48	102428	-0.017
Q9UN73-3	PCDHA6	Protocadherin alpha-6	+		4	3	4.9	4.43	102716	-0.046
Q9Y5H6-2	PCDHA8	Protocadherin alpha-8	+	+	9	3	4.2	4.78	103051	-0.074
Q9Y5E4	PCDHB5	Protocadherin beta-5		+	3	1	1.8	4.62	86423	-0.101
Q9UN70-2	PCDHGC3	Protocadherin gamma-C3	+	+	29	7	8.1	4.78	101077	-0.108
P35558	PCK1	Phosphoenolpyruvate carboxykinase. cytosolic [GTP]	+	+	7	1	2.3	6.05	69195	-0.272
E7EV56	PCM1	Pericentriolar material 1 protein	+		3	2	1	4.64	210133	-0.951
Q15113	PCOLCE	Procollagen C-endopeptidase enhancer 1	+	+	51	6	20.3	7.47	47972	-0.286
Q9BQ51	PDCD1LG2	Programmed cell death 1 ligand 2	+	+	9	2	9.2	8.14	30957	-0.028
O75340-2	PDCD6	Programmed cell death protein 6	+		9	4	20.6	4.97	21868	-0.422
Q8WUM4	PDCD6IP	Programmed cell death 6-interacting protein	+	+	65	16	23.5	6.46	96023	-0.468
O60658-4	PDE8A	High affinity cAMP-specific and IBMX-insensitive 3.5-cyclic phosphodiesterase 8A		+	1	1	8.8	8.22	93304	-0.215
G5EA52	PDIA3	Protein disulfide-isomerase A3	+		3	2	5.8	NaN	54963	NaN
Q15084-3	PDIA6	Protein disulfide-isomerase A6	+	+	9	2	6.6	4.7	48121	-0.298
Q96GD0	PDXP	Pyridoxal phosphate phosphatase		+	2	1	4.7	6.51	31698	-0.058
Q5T2W1	PDZK1	Na(+)/H(+) exchange regulatory cofactor NHE-RF3	+	+	12	3	7.1	5.24	57129	-0.542
P30086	PEBP1	Phosphatidylethanolamine-binding protein 1	+	+	93	7	48.1	7.65	21057	-0.652

Q9UBV8	PEF1	Peflin	+	+	7	2	6.7	6.5	30381	-0.53
Q96RR1-2	PEO1	Twinkle protein. mitochondrial	+	+	0	1	2.1	8.22	77154	-0.285
P12955-3	PEPD	Xaa-Pro dipeptidase	+	+	4	1	3.7	5.99	54548	-0.097
P17858	PFKL	6-phosphofructokinase. liver type		+	3	2	3.8	7.54	85018	-0.081
P07737	PFN1	Profilin-1	+	+	46	5	50	8.46	15054	-0.116
C9J712	PFN2	Profilin	+	+	3	1	15.4	9.82	9798	-0.223
P0DJD9	PGA5	Pepsin A-5	+	+	37	3	6.7	3.98	41993	0.06
P18669	PGAM1	Phosphoglycerate mutase 1	+	+	6	1	6.3	7.22	28804	-0.498
P20142	PGC	Gastricsin	+	+	25	1	3.1	4.09	42426	0.019
F5H7U0	PGD	6-phosphogluconate dehydrogenase. decarboxylating	+	+	9	4	9.3	NaN	50793	NaN
P00558	PGK1	Phosphoglycerate kinase 1	+	+	75	11	25.7	8.27	44615	-0.078
O95336	PGLS	6-phosphogluconolactonase	+	+	67	7	48.8	5.95	27547	0.159
O75594	PGLYRP1	Peptidoglycan recognition protein 1	+	+	25	3	18.9	8.68	21731	-0.262
Q96PD5	PGLYRP2	N-acetylmuramoyl-L-alanine amidase	+	+	69	6	21.4	7.59	62217	-0.129
P36871	PGM1	Phosphoglucomutase-1	+	+	45	7	15.7	6.73	61449	-0.131
B4E0G8	PGM2	Phosphoglucomutase-2	+	+	5	2	7.2	6.7	68283	-0.402
O43175	PHGDH	D-3-phosphoglycerate dehydrogenase	+	+	14	5	10.7	6.7	56651	0.093
H3BS75	PHLPP2	PH domain leucine-rich repeat-containing protein phosphatase 2		+	3	1	4.1	5.55	35144	-0.096
Q9NRX4	PHPT1	14 kDa phosphohistidine phosphatase	+	+	25	3	32.8	5.98	13833	-0.465
Q5SRE7-2	PHYHD1	Phytanoyl-CoA dioxygenase domain-containing protein 1	+	+	4	2	11.9	5.94	32411	-0.271
P42356	PI4KA	Phosphatidylinositol 4-kinase alpha		+	1	1	1	6.86	231319	-0.137
P01833	PIGR	Polymeric immunoglobulin receptor	+	+	163	17	25.1	5.43	83284	-0.341
P12273	PIP	Prolactin-inducible protein	+	+	25	6	55.5	8.18	16572	0.175
Q8TC59-2	PIWIL2	Piwi-like protein 2	+		1	1	1.8	9.4	109849	-0.252

P30613-2	PKLR	Pyruvate kinase PKLR	+	+	7	4	9.9	7.05	61830	0.047
P14618	PKM	Pyruvate kinase PKM	+	+	88	16	37.7	7.94	57937	-0.128
Q13835-2	PKP1	Plakophilin-1	+	+	4	2	3.9	9.18	82861	-0.574
Q8NCC3	PLA2G15	Group XV phospholipase A2	+	+	14	5	14.3	6.72	46658	-0.145
P00750-2	PLAT	Tissue-type plasminogen activator	+	+	3	1	5.5	8.82	62917	NaN
E7ESM2	PLAU	Urokinase-type plasminogen activator	+	+	88	8	22.8	NaN	44581	NaN
F5H5E2	PLBD2	Putative phospholipase B-like 2	+	+	14	5	7.9	6.78	61884	-0.107
V9GY63	PLCG1	1-phosphatidylinositol 4.5-bisphosphate phosphodiesterase gamma-1	+		2	1	5.9	6.76	24876	-0.216
Q8IV08	PLD3	Phospholipase D3	+	+	54	4	9.8	6.45	54705	-0.188
Q15149-7	PLEC	Plectin		+	2	2	0.5	5.5	531791	-0.673
P00747	PLG	Plasminogen	+	+	43	11	18.5	7.25	90569	-0.688
H7C0B8	PLOD3	Procollagen-lysine.2-oxoglutarate 5-dioxygenase 3	+	+	6	1	15.2	7.53	7735	-0.32
B7Z6M1	PLS3	Plastin-3	+	+	9	4	8.4	5.28	70811	-0.329
O15031	PLXNB2	Plexin-B2	+	+	4	2	1.5	6.17	205127	-0.309
P00491	PNP	Purine nucleoside phosphorylase	+	+	31	6	26	6.95	32118	-0.166
O00592-2	PODXL	Podocalyxin	+	+	24	4	8.7	5.29	58635	-0.458
B9ZVN9	POLR1A	DNA-directed RNA polymerase	+		3	1	1	7.41	187808	-0.394
C9JLU1	POLR2H	DNA-directed RNA polymerases I. II. and III subunit RPABC3	+		5	3	24.3	4.27	16996	-0.357
Q9HAB8-2	PPCS	Phosphopantothenate--cysteine ligase		+	2	1	8	5.7	34005	-0.018
P62937	PPIA	Peptidyl-prolyl cis-trans isomerase A	+	+	29	5	34.5	7.97	18012	-0.316
P23284	PPIB	Peptidyl-prolyl cis-trans isomerase B	+	+	56	5	24.5	10.07	23743	-0.198
P45877	PPIC	Peptidyl-prolyl cis-trans isomerase C	+	+	8	1	6.1	8.69	22763	0.074
Q9ULJ8	PPP1R9A	Neurabin-1	+		0	1	1.4	4.73	123342	-0.998
A6PVN7	PPP2R4	Serine/threonine-protein phosphatase 2A activator		+	2	1	20.3	8.97	7401	-0.439

P50897-2	PPT1	Palmitoyl-protein thioesterase 1	+	+	28	2	11.8	5.87	34193	-0.102
P42785	PRCP	Lysosomal Pro-X carboxypeptidase	+	+	56	7	16.1	7.23	55800	-0.115
Q9H4Q4	PRDM12	PR domain zinc finger protein 12	+		1	1	4.4	8.42	40403	-0.227
Q06830	PRDX1	Peroxiredoxin-1	+	+	65	8	43.2	8.31	22110	-0.265
P32119	PRDX2	Peroxiredoxin-2	+	+	11	4	19.2	5.76	21892	-0.199
P30044-2	PRDX5	Peroxiredoxin-5. mitochondrial	+	+	9	3	24.7	6.73	22086	NaN
P30041	PRDX6	Peroxiredoxin-6	+	+	20	7	35.7	6.29	25035	-0.21
A6XMW0	PRG2	Bone marrow proteoglycan	+		7	3	24.2	6.75	25206	-0.406
X6RKS3	PRNP	Major prion protein	+	+	7	2	9.7	9.31	23554	-0.781
Q9UNN8	PROCR	Endothelial protein C receptor	+	+	42	3	12.6	7.2	26671	0.016
O43490-4	PROM1	Prominin-1	+	+	46	7	12.8	7.38	97202	0.007
Q8N271	PROM2	Prominin-2	+	+	15	6	8.2	6.08	91883	0.125
G5E9F8	PROS1	Vitamin K-dependent protein S		+	4	3	5	5.68	60357	-0.283
P22891	PROZ	Vitamin K-dependent protein Z	+	+	35	7	16.2	5.87	44744	-0.27
Q16651	PRSS8	Prostasin	+	+	24	3	9.6	5.72	36431	0.01
P07602	PSAP	Proactivator polypeptide	+	+	52	8	16.6	4.82	58113	-0.064
Q9Y617-2	PSAT1	Phosphoserine aminotransferase	+		5	1	3.1	6.66	40423	0.126
O43653	PSCA	Prostate stem cell antigen	+		2	1	8.1	4.89	12912	0.476
P25786	PSMA1	Proteasome subunit alpha type-1	+	+	4	2	10.3	6.6	29556	-0.433
P25788-2	PSMA3	Proteasome subunit alpha type-3	+	+	14	3	16.5	4.97	28433	-0.308
P28066	PSMA5	Proteasome subunit alpha type-5	+	+	5	2	9.5	4.45	26411	-0.107
P20618	PSMB1	Proteasome subunit beta type-1	+	+	4	1	5.8	8.3	26489	-0.117
P49721	PSMB2	Proteasome subunit beta type-2	+	+	8	2	11.4	7.04	22836	-0.17
P28070	PSMB4	Proteasome subunit beta type-4	+	+	3	1	5.7	5.77	29204	-0.159

H0YJM8	PSMB5	Proteasome subunit beta type-5	+		3	1	11	9.99	12858	0.072
P28072	PSMB6	Proteasome subunit beta type-6	+	+	4	1	4.2	4.54	25358	0.034
Q06323-3	PSME1	Proteasome activator complex subunit 1	+	+	8	2	11.6	5.51	28723	-0.678
H0YKU2	PSME2	Proteasome activator complex subunit 2	+		1	1	16.5	7.42	9714	-0.171
Q96BW5-2	PTER	Phosphotriesterase-related protein	+	+	18	5	20.5	6.98	39018	-0.175
P41222	PTGDS	Prostaglandin-H2 D-isomerase	+	+	153	6	43.7	7.94	21029	-0.325
Q14914-2	PTGR1	Prostaglandin reductase 1	+	+	10	3	10.6	7.29	35870	-0.086
B8ZZQ6	PTMA	Prothymosin alpha	+	+	21	4	35.5	3.44	11759	-1.943
P23470-2	PTPRG	Receptor-type tyrosine-protein phosphatase gamma	+	+	13	2	1.8	6.15	162003	-0.468
Q12913	PTPRJ	Receptor-type tyrosine-protein phosphatase eta	+	+	16	4	4	5.28	145941	-0.317
H0YDP9	PTPRK	Receptor-type tyrosine-protein phosphatase kappa	+	+	10	1	7.8	9.09	22766	-0.396
Q13332-6	PTPRS	Receptor-type tyrosine-protein phosphatase S	+	+	34	10	6.7	6.71	217041	-0.382
P15151-3	PVR	Poliovirus receptor	+	+	28	3	6.9	6.16	45303	-0.163
Q96NY8	PVRL4	Poliovirus receptor-related protein 4	+	+	29	6	15.5	5.07	55454	-0.32
P09417	QDPR	Dihydropteridine reductase	+	+	19	3	18.4	7.45	25790	0.004
Q16769	QPCT	Glutaminyl-peptide cyclotransferase	+	+	147	10	42.9	6.6	40877	-0.229
Q15274	QPRT	Nicotinate-nucleotide pyrophosphorylase [carboxylating]	+	+	19	2	6.7	6.15	30846	0.326
O00391-2	QSOX1	Sulfhydryl oxidase 1	+	+	99	10	19	8.68	82578	-0.109
P62491-2	RAB11A	Ras-related protein Rab-11A		+	9	3	14.8	9.26	24394	-0.503
P61106	RAB14	Ras-related protein Rab-14	+	+	12	3	16.3	6.13	23897	-0.399
P62820-2	RAB1A	Ras-related protein Rab-1A	+		22	9	19.7	8.3	22678	-0.262
H3BU81	RAB27A	Ras-related protein Rab-27A		+	2	1	14.1	9.45	7882	-0.427
H7C125	RAB2A	Ras-related protein Rab-2A	+	+	9	1	13.5	4.76	12150	-0.557
P20337	RAB3B	Ras-related protein Rab-3B	+	+	11	2	12.8	4.61	24758	-0.353

O95716	RAB3D	Ras-related protein Rab-3D	+		3	1	5.5	4.53	24267	-0.345
P20338	RAB4A	Ras-related protein Rab-4A	+	+	3	2	10.6	5.88	24390	-0.315
M0R1E0	RAB4B	Ras-related protein Rab-4B	+		2	2	12.7	5.35	19960	-0.353
B4DJA5	RAB5A	Ras-related protein Rab-5A	+	+	5	2	11.4	8.31	23659	-0.428
P51148	RAB5C	Ras-related protein Rab-5C	+	+	17	4	22.7	8.61	23483	-0.333
P20340-2	RAB6A	Ras-related protein Rab-6A	+	+	22	2	11.1	5.16	23593	-0.413
C9IZZ0	RAB7A	Ras-related protein Rab-7a	+		3	3	26.7	9.7	13075	-0.184
P63000	RAC1	Ras-related C3 botulinum toxin substrate 1	+	+	16	2	11.5	8.65	21450	-0.101
K7ESL4	RAD51D	DNA repair protein RAD51 homolog 4		+	2	1	28	5.81	10397	-0.126
H7C3P7	RALA	Ras-related protein Ral-A		+	3	2	16.5	4.33	18372	-0.503
P62826	RAN	GTP-binding nuclear protein Ran	+		4	3	10.6	7.59	24423	-0.266
P62834	RAP1A	Ras-related protein Rap-1A	+	+	19	2	12.5	6.55	20987	-0.375
F5H6R7	RAP1B	Ras-related protein Rap-1b	+	+	7	2	18.9	4.18	13753	-0.212
F6U784	RAP2A	Ras-related protein Rap-2a	+		16	2	6.1	5.14	12286	-0.135
P49788-2	RARRES1	Retinoic acid receptor responder protein 1	+	+	10	3	12.7	10.56	33285	-0.477
P09455	RBP1	Retinol-binding protein 1	+	+	8	1	8.9	4.74	15850	-0.492
Q5VY30	RBP4	Retinol-binding protein 4	+	+	5	2	10.6	5.86	22974	-0.617
A6NKZ2	RENBP	N-acylglucosamine 2-epimerase	+	+	9	1	3.4	6.32	47066	-0.364
Q9HD89	RETN	Resistin	+	+	4	2	24.1	6.89	11419	0.381
P48380-3	RFX3	Transcription factor RFX3	+	+	1	1	2.7	6.57	83530	-0.521
Q15493-2	RGN	Regucalcin	+	+	8	2	10.1	8.39	33253	-0.285
Q5T3H5	RGS7	Regulator of G-protein-signaling 7	+		1	1	3.4	9.35	38123	-0.965
P84095	RHOG	Rho-related GTP-binding protein RhoG		+	17	3	7.9	8.21	21309	-0.213
Q13546-2	RIPK1	Receptor-interacting serine/threonine-protein kinase 1	+	+	5	1	2.1	NaN	75931	NaN

P07998	RNASE1	Ribonuclease pancreatic	+		2	1	13.5	8.94	17644	-0.454
P10153	RNASE2	Non-secretory ribonuclease	+	+	97	3	19.9	8.83	18354	-0.299
P12724	RNASE3	Eosinophil cationic protein	+		2	1	7.5	10.33	18385	-0.279
D6REQ6	RNASET2	Ribonuclease T2	+	+	10	3	13.3	5.96	25309	-0.729
H3BLU6	RNF213	E3 ubiquitin-protein ligase RNF213	+		2	1	0.3	NaN	37398	NaN
P13489	RNH1	Ribonuclease inhibitor	+	+	20	3	8.9	4.44	49973	0.058
A6NKB8	RNPEP	Aminopeptidase B	+	+	11	3	7.2	5.89	68169	-0.208
Q8WZ75-3	ROBO4	Roundabout homolog 4	+	+	37	5	9.1	6.19	107457	NaN
C9J9K3	RPSA	40S ribosomal protein SA	+		3	2	8.7	4.91	29506	-0.254
P62070-2	RRAS2	Ras-related protein R-Ras2	+	+	5	2	15.7	8.49	23400	-0.744
E9PPY3	RRP8	Ribosomal RNA-processing protein 8	+	+	1	1	3.6	10.48	34201	-1.185
Q86UN3	RTN4RL2	Reticulon-4 receptor-like 2	+	+	18	4	10	7.66	46106	-0.156
J3KTD2	RTTN	Rotatin	+		2	1	4.4	6.55	56319	-0.091
Q8WXD0-2	RXFP2	Relaxin receptor 2	+	+	3	1	2.5	8.87	86453	0.298
P31949	S100A11	Protein S100-A11	+	+	7	2	17.1	7.25	11740	-0.34
Q9HCY8	S100A14	Protein S100-A14	+	+	9	1	14.4	4.93	11662	-0.577
R4GN98	S100A6	Protein S100-A6	+	+	10	2	17.6	5.11	9681	-0.28
P31151	S100A7	Protein S100-A7	+		1	1	10.9	6.78	11471	-0.75
P05109	S100A8	Protein S100-A8	+	+	79	7	77.4	7.07	10835	-0.397
P06702	S100A9	Protein S100-A9	+	+	92	6	56.1	6.07	13242	-0.87
P25815	S100P	Protein S100-P	+	+	9	1	13.7	4.5	10400	-0.12
A8MZI2	SAMM50	Sorting and assembly machinery component 50 homolog	+	+	17	2	10	NaN	28495	NaN
Q14108-2	SCARB2	Lysosome membrane protein 2	+	+	11	2	6.3	4.76	54290	0.037
Q9HB40	SCPEP1	Retinoid-inducible serine carboxypeptidase	+	+	67	8	22.3	5.53	50831	-0.075

F8VSC5	SCYL2	SCY1-like protein 2	+	+	1	2	3.4	7.06	77054	-0.162
E9PHH3	SDC1	Syndecan-1	+	+	24	1	10.1	4.21	17782	-0.376
E5RJB8	SDC2	Syndecan	+	+	11	3	22.6	4.09	14906	-0.337
P31431-2	SDC4	Syndecan-4	+	+	37	4	31.4	4.11	21642	NaN
O00560	SDCBP	Syntenin-1	+	+	77	7	40.6	7.63	32444	-0.055
Q9BRK5-6	SDF4	45 kDa calcium-binding protein	+	+	20	3	10.9	4.75	41807	-0.552
Q7Z5N4-3	SDK1	Protein sidekick-1	+	+	6	2	1.2	5.99	242112	NaN
J3KSN0	SECTM1	Secreted and transmembrane protein 1	+	+	7	1	13	7.13	15958	-0.131
Q13228	SELENBP1	Selenium-binding protein 1	+	+	39	6	16.1	6.32	52391	-0.254
Q8NFY4-7	SEMA6D	Semaphorin-6D	+	+	5	1	2.7	7.7	119872	-0.262
P04279	SEMG1	Semenogelin-1	+	+	176	19	54.8	9.84	52131	-1.342
Q02383	SEMG2	Semenogelin-2	+	+	121	15	38.5	9.61	65444	-1.313
D6REX5	SEPP1	Selenoprotein P	+	+	9	2	7.4	7.7	35116	-0.581
P01009	SERPINA1	Alpha-1-antitrypsin	+	+	311	17	46.9	5.31	46737	-0.183
P01011	SERPINA3	Alpha-1-antichymotrypsin	+	+	232	11	33.8	5.19	47651	-0.065
P29622	SERPINA4	Kallistatin	+	+	59	7	19.2	7.85	48542	-0.069
P05154	SERPINA5	Plasma serine protease inhibitor	+	+	238	12	33	9.76	45675	-0.115
P08185	SERPINA6	Corticosteroid-binding globulin	+	+	92	6	16.8	5.95	45141	0.112
P05543	SERPINA7	Thyroxine-binding globulin	+	+	125	10	31.6	6.27	46325	0.015
P30740	SERPINB1	Leukocyte elastase inhibitor	+	+	27	5	15.6	6.19	42742	-0.249
Q96P63	SERPINB12	Serpin B12	+	+	19	3	8.9	5.22	46276	-0.35
Q9UIV8-2	SERPINB13	Serpin B13	+	+	13	4	13.6	5.55	44276	NaN

P29508	SERPINB3	Serpin B3	+	+	80	11	29	6.81	44565	-0.461
P48594	SERPINB4	Serpin B4	+	+	23	9	22.8	6.13	44854	-0.46
P36952	SERPINB5	Serpin B5		+	1	1	2.9	5.91	42100	-0.268
P01008	SERPINC1	Antithrombin-III	+	+	38	8	19.8	6.68	52602	-0.278
P05546	SERPIND1	Heparin cofactor 2	+	+	8	4	9	6.89	57071	-0.236
P36955	SERPINF1	Pigment epithelium-derived factor	+	+	38	7	18.2	6.33	46312	-0.164
P08697	SERPINF2	Alpha-2-antiplasmin	+	+	56	9	19.8	6.24	54566	-0.124
B4E1H2	SERPING1	Plasma protease C1 inhibitor	+	+	191	11	31.7	6.52	49757	-0.125
Q99574	SERPINI1	Neuroserpin	+	+	19	5	12.9	4.55	46427	-0.128
P31947-2	SFN	14-3-3 protein sigma	+	+	8	4	15.7	4.77	27774	NaN
Q8N474	SFRP1	Secreted frizzled-related protein 1	+		2	1	3.8	9.09	35386	-0.307
P51688	SGSH	N-sulphoglucosamine sulphohydrolase	+	+	47	8	23.7	6.95	56695	-0.301
Q5T123	SH3BGRL3	SH3 domain-binding glutamic acid-rich-like protein 3	+	+	18	3	37.5	9.72	9381	-0.512
P34896-2	SHMT1	Serine hydroxymethyltransferase. cytosolic	+	+	58	5	13.3	7.75	53083	-0.263
Q9HAT2	SIAE	Sialate O-acetylesterase	+	+	74	8	18.4	7.35	58315	-0.148
Q9BZZ2-2	SIGLEC1	Sialoadhesin		+	1	1	0.8	6.15	182624	NaN
Q5TFQ8	SIRPB1	Signal-regulatory protein beta-1 isoform 3	+		2	2	5.8	7.91	43359	-0.217
P84550-2	SKOR1	SKI family transcriptional corepressor 1	+		1	1	1.5	7.62	99831	-0.713
P63208	SKP1	S-phase kinase-associated protein 1		+	4	2	11.7	4.15	18658	-0.717
Q13621-3	SLC12A1	Solute carrier family 12 member 1	+	+	9	5	6.1	7.4	121450	0.102
J3QSS1	SLC12A3	Solute carrier family 12 member 3	+	+	21	6	7.1	7.94	113011	0.157
G3V1L2	SLC13A2	Solute carrier family 13 member 2	+		2	1	3.3	NaN	5636	NaN

C9J7L4	SLC13A3	Solute carrier family 13 member 3	+	+	11	4	13.5	7.86	45876	0.282
E9PBQ8	SLC17A3	Sodium-dependent phosphate transport protein 4	+		1	1	12.5	5.79	12149	-0.059
F5H0T7	SLC22A6	Solute carrier family 22 member 6	+		2	1	5.4	671	28046	NaN
Q6KCM7	SLC25A25	Calcium-binding mitochondrial carrier protein SCaMC-2	+	+	1	1	2.3	8.51	52663	-0.099
F8VVM2	SLC25A3	Phosphate carrier protein. mitochondrial	+	+	4	1	3.7	9.62	36161	-0.024
B4DT82	SLC2A5	Solute carrier family 2. facilitated glucose transporter member 5	+	+	6	2	5.4	6.28	42289	0.687
Q9UGQ3-2	SLC2A6	Solute carrier family 2. facilitated glucose transporter member 6	+	+	7	1	2.2	9.22	54539	0.553
E5RGH8	SLC36A2	Proton-coupled amino acid transporter 2	+	+	10	2	19	9.37	15913	0.002
Q07837-2	SLC3A1	Neutral and basic amino acid transport protein rBAT	+	+	17	4	11.3	5.42	78852	-0.393
P08195-2	SLC3A2	4F2 cell-surface antigen heavy chain	+	+	41	8	19.8	4.99	67994	-0.162
K7EPV6	SLC44A2	Choline transporter-like protein 2	+	+	4	2	2.6	8.81	16739	-0.566
H0Y5I3	SLC44A4	Choline transporter-like protein 4		+	2	1	3.4	7.14	45737	0.327
E7EX57	SLC47A1	Multidrug and toxin extrusion protein 1	+	+	7	2	5.4	7.42	48027	0.7
C9J9M9	SLC4A2	Anion exchange protein 2	+		1	1	15.4	4.65	18635	-1.324
P13866-2	SLC5A1	Sodium/glucose cotransporter 1	+	+	8	1	2.8	7.53	73498	0.489
P31639	SLC5A2	Sodium/glucose cotransporter 2	+	+	14	3	7.1	7.51	72897	0.585
O14745	SLC9A3R1	Na(+)/H(+) exchange regulatory cofactor NHE-RF1	+	+	20	3	15.1	5.52	38868	-0.711
Q6ZQN7	SLCO4C1	Solute carrier organic anion transporter family member 4C1	+		2	2	4.6	7.57	78948	0.239
O94813-3	SLIT2	Slit homolog 2 protein	+	+	6	3	2	7.06	169870	-0.322
Q96PX8	SLITRK1	SLIT and NTRK-like protein 1	+	+	9	1	1.7	6.41	77735	-0.173
P03973	SLPI	Antileukoproteinase	+	+	6	1	9.1	8.85	14326	-0.305
J3KTD7	SMG8	Protein SMG8	+		2	1	3.7	7.15	30089	-0.818
Q71RC9	SMIM5	Small integral membrane protein 5	+	+	13	2	14.3	8.04	8540	0.568

P17405-3	SMPD1	Sphingomyelin phosphodiesterase	+	+	5	2	4.2	7.59	69752	NaN
F8VWW8	SMPDL3B	Acid sphingomyelinase-like phosphodiesterase 3b	+	+	12	2	6.4	4.98	45315	-0.098
H7C2R7	SMS	Spermine synthase	+	+	3	2	5.8	5.26	33479	-0.336
H3BNE1	SNAP23	Synaptosomal-associated protein		+	3	2	22.7	4.59	11141	-0.749
Q8TER0-5	SNED1	Sushi. nidogen and EGF-like domain-containing protein 1	+	+	4	1	1.1	6.63	152204	-0.335
P09234	SNRPC	U1 small nuclear ribonucleoprotein C	+	+	6	1	7.5	10.14	17394	-0.707
P00441	SOD1	Superoxide dismutase [Cu-Zn]	+		5	1	9.1	6.07	15936	-0.344
P08294	SOD3	Extracellular superoxide dismutase [Cu-Zn]	+	+	53	5	21.7	6.59	25851	-0.37
Q00796	SORD	Sorbitol dehydrogenase	+	+	14	4	13.7	8.06	38325	0.012
Q92673	SORL1	Sortilin-related receptor	+	+	21	6	3.5	5.23	248426	-0.38
Q99523-2	SORT1	Sortilin	+	+	8	2	4.2	5.03	92068	-0.333
Q5JZB7	SPIN2B	Spindlin-2B	+		2	1	9.6	9.34	17601	-0.913
Q08629	SPOCK1	Testican-1	+	+	3	1	3.3	5.98	49124	-0.672
P10451-4	SPP1	Osteopontin	+	+	98	7	36.3	4.33	35423	-1.047
H7C065	SPRED2	Sprouty-related. EVH1 domain-containing protein 2	+	+	1	1	42.6	9.6	5551	-0.885
B1AN48	SPRR3	Small proline-rich protein 3	+	+	18	4	29.7	8.19	34641	-0.809
C9J0K6	SRI	Sorcin	+	+	35	4	24.5	5.2	17605	-0.327
H7C3I1	ST13	Hsc70-interacting protein	+	+	14	3	26.7	4.48	16331	-0.511
E9PPJ6	ST3GAL4	CMP-N-acetylneuraminate-beta-galactosamide-alpha-2.3-sialyltransferase 4	+		5	3	27.9	8.94	12902	-0.104
C9JWJ3	ST3GAL6	Type 2 lactosamine alpha-2.3-sialyltransferase	+		3	2	10.8	8.07	18118	-0.192
P15907	ST6GAL1	Beta-galactoside alpha-2.6-sialyltransferase 1	+	+	8	2	6.7	9.35	46605	-0.437
C9JM11	STAT4	Signal transducer and activator of transcription 4	+		1	1	48	3.61	3146	-0.976
B4E2V5	STOM	Erythrocyte band 7 integral membrane protein	+	+	41	6	32.5	7.51	25964	0.054
Q15833-2	STXBP2	Syntaxin-binding protein 2	+	+	6	2	5.3	6.52	66453	-0.254

P53597	SUCLG1	Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha. mitochondrial	+	+	7	1	4.3	9.04	36250	-0.023
Q9UGT4	SUSD2	Sushi domain-containing protein 2	+	+	29	5	7.2	6.24	90208	-0.241
Q8NF91-8	SYNE1	Nesprin-1	+	+	1	2	1	5.11	367873	NaN
C9JYN0	SYPL1	Synaptophysin-like protein 1	+	+	6	1	4.9	7.2	24784	0.368
X6RJP6	TAGLN2	Transgelin-2	+	+	3	2	18.7	8.02	21086	-0.649
F2Z393	TALDO1	Transaldolase	+	+	10	3	10.4	9.41	35329	-0.181
P02787	TF	Serotransferrin	+	+	65	13	19.3	7.13	77064	-0.336
F5H6B1	TFRC	Transferrin receptor protein 1		+	2	1	2.9	NaN	53435	NaN
P49221	TGM4	Protein-glutamine gamma-glutamyltransferase 4	+	+	39	8	15.4	6.75	77145	-0.271
P07996	THBS1	Thrombospondin-1	+	+	67	13	13.8	4.51	129383	-0.719
H7C5E3	THOC7	THO complex subunit 7 homolog		+	0	1	20	10.48	3422	-0.224
F5H419	THSD1	Thrombospondin type-1 domain-containing protein 1	+	+	1	1	2.3	NaN	5197	NaN
Q9NXG2	THUMPD1	THUMP domain-containing protein 1	+		0	1	4.5	8.02	39315	-0.794
Q5H9A7	TIMP1	Metalloproteinase inhibitor 1	+	+	13	2	14.7	8.15	16057	-0.143
P16035	TIMP2	Metalloproteinase inhibitor 2	+	+	16	1	6.4	7.55	24399	-0.197
Q9GZM7-3	TINAGL1	Tubulointerstitial nephritis antigen-like	+		2	1	3	7.34	52387	-0.387
O60603	TLR2	Toll-like receptor 2	+	+	8	3	5	6.59	89838	-0.115
C9JEN3	TMBIM1	Protein lifeguard 3	+	+	13	2	24.5	6.51	11535	-0.992
Q9NUM4	TMEM106B	Transmembrane protein 106B	+	+	9	2	6.6	7.01	31127	-0.234
H0YFQ2	TMEM132A	Transmembrane protein 132A		+	1	1	13.8	8.23	17075	-0.303
F8VS20	TMEM19	Transmembrane protein 19	+	+	3	1	6.5	9.63	19086	0.356
Q9HBJ8	TMEM27	Collectrin	+		4	1	5.9	5.34	25235	0.077
P22105-2	TNXB	Tenascin-X	+	+	13	5	7.3	5.93	464325	-0.401

P60174-1	TPI1	Triosephosphate isomerase	+	+	52	7	38.6	6.91	30791	-0.118
D6RFM2	TPM3	Tropomyosin alpha-3 chain		+	1	2	13.5	5.08	5805	-1.267
O14773	TPP1	Tripeptidyl-peptidase 1	+	+	66	8	21.1	6.46	61248	-0.179
E9PNA2	TREH	Trehalase	+	+	11	3	6.4	NaN	62262	NaN
Q9UKU6	TRHDE	Thyrotropin-releasing hormone-degrading ectoenzyme	+	+	21	6	6.6	6.98	117000	-0.172
O15164-2	TRIM24	Transcription intermediary factor 1-alpha	+	+	1	1	2	6.81	116831	-0.594
Q5VYG5	TRPM6	Transient receptor potential cation channel subfamily M member 6	+		0	1	1.6	7.56	131263	-0.241
F5H442	TSG101	Tumor susceptibility gene 101 protein	+	+	14	5	14.8	4.94	40918	-0.456
E9PGT1	TSN	Translin	+	+	4	2	7.2	6.89	25572	-0.222
O43657	TSPAN6	Tetraspanin-6	+	+	5	1	4.5	8.19	27563	0.359
G3V3A5	TTC6	Tetratricopeptide repeat protein 6		+	2	2	1.6	9.09	216444	-0.455
Q8WZ42-3	TTN	Titin	+		2	2	0.1	6.71	3.82E+09	-0.468
P02766	TTR	Transthyretin	+	+	28	3	27.9	5.58	15887	-0.029
Q9BQE3	TUBA1C	Tubulin alpha-1C chain	+	+	23	5	16.9	4.73	49895	-0.234
P68366-2	TUBA4A	Tubulin alpha-4A chain	+	+	5	3	8.5	4.64	49924	-0.268
P68371	TUBB4B	Tubulin beta-4B chain	+	+	23	4	10.3	4.52	49831	-0.362
H3BNU3	TUFM	Elongation factor Tu. mitochondrial	+		2	1	16.8	11.38	10902	-0.137
F8VRG3	TWF1	Twinfilin-1	+	+	2	1	22	10.02	6435	-0.342
P10599-2	TXN	Thioredoxin	+	+	21	3	36.5	5.85	11737	-0.094
K7EML9	TXNL1	Thioredoxin-like protein 1		+	7	1	10.9	6.49	15534	-0.412
P22314	UBA1	Ubiquitin-like modifier-activating enzyme 1	+	+	22	8	9.4	5.5	117849	-0.267
M0R1V7	UBA52	Ubiquitin-60S ribosomal protein L40	+	+	33	3	54	4.98	7132	-0.613
D6RDM7	UBE2K	Ubiquitin-conjugating enzyme E2 K	+	+	5	1	12.2	7.35	14035	-0.598

O95164	UBL3	Ubiquitin-like protein 3	+		1	1	12.8	6.78	13157	-0.332
D6R974	UCHL1	Ubiquitin carboxyl-terminal hydrolase isozyme L1	+	+	3	2	15.4	5.73	17361	-0.318
C9J6N9	UFD1L	Ubiquitin fusion degradation protein 1 homolog		+	4	2	20.7	6.24	15471	-0.204
O60701-3	UGDH	UDP-glucose 6-dehydrogenase	+	+	8	2	6.5	7.79	55024	-0.31
Q16851-2	UGP2	UTP--glucose-1-phosphate uridylyltransferase	+	+	8	4	9.3	8.09	56940	-0.295
P07911-4	UMOD	Uromodulin	+	+	821	16	26.1	5.04	69761	NaN
E9PDS8	UNC5D	Netrin receptor UNC5D	+	+	5	1	2.8	6.03	59412	-0.32
O00322	UPK1A	Uroplakin-1a	+	+	9	1	4.7	4.97	28879	0.527
O00526	UPK2	Uroplakin-2	+		3	1	7.6	10.98	19438	0.656
P45974-2	USP5	Ubiquitin carboxyl-terminal hydrolase 5		+	2	1	1.8	4.71	95786	-0.429
Q15836	VAMP3	Vesicle-associated membrane protein 3	+	+	8	2	30	9.26	11309	-0.059
Q6EMK4	VASN	Vasorin	+	+	179	7	12.9	7.4	71713	-0.062
Q99536	VAT1	Synaptic vesicle membrane protein VAT-1 homolog	+	+	10	3	11.5	6.25	41920	-0.038
Q5JQ13	VCL	Vinculin		+	1	1	1.7	5.51	87444	-0.488
P55072	VCP	Transitional endoplasmic reticulum ATPase	+	+	8	5	7.3	4.89	89322	-0.348
P21796	VDAC1	Voltage-dependent anion-selective channel protein 1	+	+	46	7	39.9	8.89	30773	-0.411
P45880-1	VDAC2	Voltage-dependent anion-selective channel protein 2	+		4	3	10.7	7.67	31567	-0.27
P09327	VIL1	Villin-1	+	+	6	3	4.2	6.35	92695	-0.44
Q7Z5L0	VMO1	Vitelline membrane outer layer protein 1 homolog	+	+	154	3	23.3	4.68	21534	-0.261
O95497	VNN1	Pantetheinase	+	+	17	3	6.2	5.26	57012	-0.063
G3V1N8	VPS26A	Vacuolar protein sorting-associated protein 26A		+	1	1	8.3	NaN	25506	NaN
E9PQR7	VPS28	Vacuolar protein sorting-associated protein 28 homolog	+	+	8	1	6.2	6.02	18469	-0.33
Q9UBQ0	VPS29	Vacuolar protein sorting-associated protein 29	+	+	5	1	7.1	6.79	20506	-0.012
Q9H9H4	VPS37B	Vacuolar protein sorting-associated protein 37B		+	2	2	7.7	7.5	31307	-0.416

Q9UN37	VPS4A	Vacuolar protein sorting-associated protein 4A	+	+	10	4	8.5	7.93	48898	-0.529
E9PRV0	VPS51	Vacuolar protein sorting-associated protein 51 homolog	+		29	6	15.5	5.03	25607	-0.477
Q9NP79	VTA1	Vacuolar protein sorting-associated protein VTA1 homolog	+	+	21	3	12.4	6.24	33879	-0.52
Q96AJ9-1	VTI1A	Vesicle transport through interaction with t-SNAREs homolog 1A	+		2	1	8.4	5.96	25218	-0.967
P04004	VTN	Vitronectin	+	+	128	10	23.6	5.54	54306	-0.723
J3QLP3	VWA1	von Willebrand factor A domain-containing protein 1	+	+	5	2	16.2	5.84	17697	0.099
Q9Y334-2	VWA7	von Willebrand factor A domain-containing protein 7	+		2	2	2.9	5.88	96060	NaN
G3V423	WARS	Tryptophan--tRNA ligase. cytoplasmic	+	+	3	1	8.6	7.76	15789	-0.592
Q9Y2I8	WDR37	WD repeat-containing protein 37	+	+	9	2	2.8	7.24	54665	-0.439
B4E2L4	WDR41	cDNA FLJ61203.	+		1	1	10.2	6.15	23376	-0.373
H0YE68	WHSC1L1	Histone-lysine N-methyltransferase NSD3	+	+	5	1	15.6	11.05	8607	-1.14
Q6AWC2-7	WWC2	Protein WWC2		+	1	1	2.8	8.93	133891	-0.846
O43895	XPNPEP2	Xaa-Pro aminopeptidase 2	+	+	46	6	10.1	5.91	75625	-0.199
Q9H1B5-2	XYLT2	Xylosyltransferase 2		+	4	1	2	9.27	96767	NaN
P31946-2	YWHAB	14-3-3 protein beta/alpha	+	+	29	6	29.1	4.76	28082	NaN
P62258	YWHAE	14-3-3 protein epsilon	+	+	35	9	40.8	4.36	29174	-0.54
P61981	YWHAG	14-3-3 protein gamma	+	+	11	5	23.9	4.52	28303	-0.68
Q04917	YWHAH	14-3-3 protein eta		+	2	3	11.8	4.47	28219	-0.618
P27348	YWHAQ	14-3-3 protein theta	+	+	19	5	24.1	4.41	27764	-0.512
P63104	YWHAZ	14-3-3 protein zeta/delta	+	+	24	6	28.6	4.43	27745	-0.621
Q8IWT0-2	ZBTB8OS	Protein archease	+	+	1	1	12.5	4.44	19491	NaN
Q8WTX9	ZDHHC1	Probable palmitoyltransferase ZDHHC1	+	+	2	1	4.1	10.89	54818	-0.214
Q96DA0	ZG16B	Zymogen granule protein 16 homolog B	+	+	47	4	25.5	7.63	22739	-0.163
P49910	ZNF165	Zinc finger protein 165	+		1	2	2.1	7.17	55771	-0.839

C9JE35	ZNF3	Zinc finger protein 3	+		0	1	21.2	4.11	11899	-0.552
Q569K4-4	ZNF385B	Zinc finger protein 385B		+	1	1	8.7	9.4	50407	NaN
F5H290	ZNF7	Zinc finger protein 7	+		0	1	2.2	8.82	67122	-0.823
Q96H86-2	ZNF764	Zinc finger protein 764	+	+	4	1	2.5	9	44943	-0.803
Q5JXR6	ZNFX1	NFX1-type zinc finger-containing protein 1		+	1	1	0.9	8.48	146226	-0.56
C9JMW6	ABHD14A	Alpha/beta hydrolase domain-containing protein 14A	+		3	1	10.5	9.16	16358	0.02
P04207	N/A	Ig kappa chain V-III region CLL	+	+	8	2	18.6	8.7	14275	-0.25
P04208	N/A	Ig lambda chain V-I region WAH	+	+	17	4	37.6	6.46	11725	-0.333
P04211	N/A	Ig lambda chain V region 4A	+		1	1	0.8	7.12	12380	-0.031
P04430	N/A	Ig kappa chain V-I region BAN	+	+	33	1	16.7	8.65	11840	-0.39
P04433	N/A	Ig kappa chain V-III region VG	+		2	1	7.8	4.59	12575	-0.111
P06311	N/A	Ig kappa chain V-III region IARC/BL41	+	+	56	1	11.7	6.56	14070	-0.267
P12110-2	COL6A2	Collagen alpha-2(VI) chain	+	+	4	1	1.2	5.21	108579	-0.668
P12110-1	COL6A1	Collagen alpha-1(VI) chain	+		57	10	13.9	6.13	108579	-0.624
P23083	N/A	Ig heavy chain V-I region V35	+	+	5	2	21.4	9.87	13009	-0.342
P32189-1	GK	Glycerol kinase	+		4	4	8.4	6.25	61245	-0.021
Q16760-2	DGKD	Diacylglycerol kinase delta		+	1	1	0.9	5.94	134525	NaN
Q16822-2	PCK2	Phosphoenolpyruvate carboxykinase	+		15	3	5.2	8.45	70730	NaN
Q5VVC9	RPL11	60S ribosomal protein L11	+		2	2	19.1	9.16	14923	-0.489
Q86TE4-2	LUZP2	Leucine zipper protein 2	+		1	1	6.9	9.44	38958	NaN
Q86W56-4	PARG	Poly(ADP-ribose) glycohydrolase		+	0	1	3	8.29	111110	NaN
Q8N6M5-2	ALLC	Probable allantoicase		+	3	1	8	7.66	45750	-0.396
Q8N7P1-2	PLD5	Inactive phospholipase D5		+	1	1	2	7.97	61312	-0.207
Q8TCC7-5	SLC22A8	Solute carrier family 22 member 8	+		3	2	6	9.65	59856	0.459

Q8TF65	GIPC2	PDZ domain-containing protein GIPC2	+		3	1	7	6.39	34354	-0.25
X6R383	SETDB2	Histone-lysine N-methyltransferase SETDB2		+	1	1	2.4	7.81	62447	-0.61