

**Appendix B Table 4.1 Proteins identified from cysDML experiment.**

Acc. No. <sup>a</sup>	Protein Name	Coverage (%) <sup>b</sup>	# Unique Peptides <sup>c</sup>	# PSMs <sup>d</sup>	MW [kDa] <sup>e</sup>	pI <sup>f</sup>	n <sup>g</sup>
A0JNU3	60 kDa lysophospholipase	2.66	1	3	60.56	5.88	2
A1A535	Ventricular zone-expressed PH domain-containing protein 1	2.88	1	4	94.44	6.74	1
A1BN54	Alpha actinin 1a	2.93	2	170	102.66	5.48	6
A1L3C1-2	Isoform 2 of Protein FAM71E1	22.6	1	1	16.85	4.58	1
A2A259	Polycystic kidney disease 2-like 1 protein	5.53	1	1	87.18	5.31	1
A2A414	Elongator complex protein 4 (Fragment)	5.4	1	3	31.59	8.41	2
A2A520	Dynein heavy chain 17, axonemal (Fragment)	0.67	1	1	405.59	6.21	1
A2A5E1	DnaJ homolog subfamily C member 7 (Fragment)	10.2	1	18	17.17	8.85	5
A2A5K2	Phospholipid transfer protein	7.26	1	1	48.99	6.47	1
A2A5Z6-2	Isoform 2 of E3 ubiquitin-protein ligase SMURF2	3.54	1	1	84.52	7.68	1
A2A6F8	60S ribosomal protein L23 (Fragment)	46.67	2	72	6.21	11.05	4
A2A6P4	Protein Fam104a	17.84	1	1	19.61	11.18	1
A2A7A8	GDH/6PGL endoplasmic bifunctional protein (Fragment)	7.6	1	2	19.14	7.33	1
A2A815	Protein DJ-1 (Fragment)	42.96	4	74	14.23	7.21	3
A2A817	Protein DJ-1 (Fragment)	40.48	3	56	8.79	5.06	3
A2A848	Acyl-coenzyme A oxidase (Fragment)	13.92	6	428	69.99	7.75	6
A2A8D1	DnaJ homolog subfamily C member 11 (Fragment)	30.71	1	1	15.13	5.27	1
A2A8T9	EF-hand calcium-binding domain-containing protein 14	4.05	1	4	46.46	6.47	4
A2A977	Cytochrome P450 4A10	4.61	1	1	57.15	8.63	1
A2ABG4	Protein Tbc1d16	1.44	1	1	86.48	5.58	1
A2ABY3	Ethanolamine-phosphate cytidyltransferase	5.7	2	14	43.42	6.73	4
A2AC60	Protein D630003M21Rik	1.81	1	1	120.33	6.44	1
A2ACC7	Ral GTPase-activating protein subunit beta (Fragment)	2.22	1	1	129.95	6.93	1
A2ACP1-2	Isoform 2 of Tetratricopeptide repeat protein 39A	4.51	1	1	65.59	7.01	1
A2AD25	MCG49690	9.63	1	23	15.99	10.56	2
A2ADM8	Protein Zfp831	2.46	1	1	174.01	7.90	1
A2AEP8	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1	3.81	1	1	41.02	8.25	1
A2AES1	Mitochondrial import inner membrane translocase subunit Tim17-B (Fragment)	26.71	1	1	15.55	10.74	1
A2AEW9	GRIP1-associated protein 1	2.4	1	1	90.71	5.17	1
A2AFS1	Serine--tRNA ligase, cytoplasmic (Fragment)	7.53	1	1	21.15	5.31	1
A2AG06	Uncharacterized protein C17orf104 homolog	2.59	1	2	108.76	6.89	1
A2AGG1	Tetratricopeptide repeat protein 17	4.8	1	1	69.60	6.86	1

A2AGS6	Tumor protein p53-inducible protein 11 (Fragment)	27.59	1	1	9.59	9.60	1
A2AH75	Kinesin family member 1B, isoform CRA_a	1.57	1	2	129.97	8.38	1
A2AHJ4	Bromodomain and WD repeat-containing protein 3	0.89	1	2	202.82	7.42	1
A2AHK7	Mucin-15	6.69	1	1	31.33	8.15	1
A2AHM4	Phosphatase and actin regulator	6.87	1	1	62.37	9.14	1
A2AI91	Phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform	3.05	1	1	132.23	5.54	1
A2AIK5	Homeobox protein aristaless-like 4	4	1	1	35.87	8.90	1
A2AIM2	Talin-1 (Fragment)	6.22	1	2	27.88	6.19	2
A2AJ15	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase	4.41	1	2	75.10	8.48	1
A2AJ72	MCG130458	3.16	1	1	61.41	8.28	1
A2AJ76	Hemicentin-2	0.84	2	3	546.85	5.71	2
A2AJL3-2	Isoform 2 of FGGY carbohydrate kinase domain-containing protein	3.62	1	2	42.26	6.57	1
A2AJR6	Activin receptor type-1C	6.25	1	1	37.20	7.24	1
A2AKD7	Alpha-1-syntrophin	5.81	1	1	53.25	6.80	1
A2AKV0	ATP synthase subunit gamma, mitochondrial (Fragment)	21.78	2	61	10.95	10.10	6
A2AL34	Ras-related protein Rab-14	10.6	1	6	17.12	7.37	3
A2ALP5	FYVE, RhoGEF and PH domain-containing protein 1	3.29	1	1	88.95	6.20	1
A2AN08-3	Isoform 3 of E3 ubiquitin-protein ligase UBR4	0.68	1	3	569.94	6.06	3
A2AN08-4	Isoform 4 of E3 ubiquitin-protein ligase UBR4	6.75	1	1	51.13	5.73	1
A2ANX3	Protein Atp8b4	1.59	1	1	135.06	7.62	1
A2ANX6	Very long-chain acyl-CoA synthetase	4.75	2	49	54.76	8.35	6
A2APL1	Protein 4930404H24Rik	30.43	1	1	5.44	8.05	1
A2AQ92	Protein Duox1	2.51	1	2	177.02	8.47	1
A2AQA7	Intron-binding protein aquarius	1.07	1	2	161.75	7.17	2
A2AQV2	Carbohydrate sulfotransferase 14	3.7	1	9	40.04	8.88	5
A2AQX6	Protein Gm14147	5.31	1	1	71.90	8.41	1
A2ARD7	Kynureninase	4.01	1	38	36.50	5.87	5
A2ARF6	Adenylate kinase 4, mitochondrial (Fragment)	14.78	1	4	12.51	6.52	3
A2ARJ3	Transmembrane protein 236	9.3	1	1	38.65	9.52	1
A2ARP1-7	Isoform 6 of Inositol hexakisphosphate and diphosphoinositol-pentakisphosp	3.28	1	1	75.21	5.59	1
A2ARS6	Niban-like protein 1 (Fragment)	39.02	1	1	9.89	7.42	1
A2ARV4	Low-density lipoprotein receptor-related protein 2	0.73	1	3	518.87	5.15	2
A2ARZ3	Fibrous sheath-interacting protein 2	0.49	1	3	784.37	6.51	3
A2AS05	Helicase with zinc finger domain 2	1.34	1	4	326.38	7.99	3

A2AS89	Agmatinase, mitochondrial	8.94	1	6	38.23	7.87	3
A2ASI5	Protein Scn3a	1.85	1	1	220.74	5.72	1
A2ASS6-2	Isoform 2 of Titin	0.13	1	5	2984.55	6.61	3
A2AST1	Coiled-coil protein associated with myosin II and DISC1	1.86	1	1	164.80	5.63	1
A2AT40	Origin recognition complex subunit 3 (Fragment)	6.86	1	1	31.47	8.59	1
A2ATU0	Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondr	2.61	1	6	102.73	6.90	4
A2AU72-2	Isoform 2 of Armadillo repeat-containing protein 3	5.7	1	1	74.76	6.05	1
A2AUF7	Rab9 effector protein with kelch motifs	5.92	1	1	34.56	5.54	1
A2AVA0	Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing 1	0.93	1	1	387.20	5.57	1
A2AVJ7	Ribosome-binding protein 1	1.3	2	17	158.30	9.19	5
A2AW05	FACT complex subunit SSRP1 (Fragment)	3.53	1	1	71.48	6.04	1
A2BDX2	Dolichol-phosphate mannosyltransferase subunit 1	7.69	1	1	23.42	9.31	1
A2BH40-4	Isoform 4 of AT-rich interactive domain-containing protein 1A	0.68	1	2	206.40	6.76	1
A2BI37	Zinc finger protein 185	5.77	1	1	52.75	6.34	1
A2BIN0	Major urinary proteins 11 and 8	24.47	1	11	10.79	4.70	5
A2CG29	Butyrophilin, subfamily 3, member A3	5.8	1	1	65.84	8.05	1
A2RRY8	Spermatogenesis-associated serine-rich protein 1	5.58	1	1	30.15	8.62	1
A2RT62	F-box/LRR-repeat protein 16	4.38	1	1	51.84	6.60	1
A2RT91	Ankyrin and armadillo repeat-containing protein	2.39	1	2	165.18	7.68	2
A3KGB4	TBC1 domain family member 8B	1.62	1	1	127.81	5.49	1
A3KGL2	Dehydrodolichyl diphosphate synthase	11.22	1	1	34.06	8.06	1
A3KMP2	Tetratricopeptide repeat protein 38	8.17	2	10	52.19	6.30	2
A3KMP2-2	Isoform 2 of Tetratricopeptide repeat protein 38	8.24	1	22	31.57	6.29	4
A6NAU3	Alpha26-takusan	18.32	1	1	15.78	5.59	1
A8DUK4	Beta-globin	45.58	4	432	15.74	7.69	6
A8R0U0	Exocrine gland-secreting peptide 6	28.68	1	1	15.07	4.64	1
A8Y5N4	17-beta-hydroxysteroid dehydrogenase 13	7.2	1	14	29.41	9.58	4
A8Y5P0	Alpha-tocopherol transfer protein (Fragment)	14.44	1	4	10.44	9.38	4
A9Z1V5	von Willebrand factor A domain-containing protein 5B1	2.8	1	1	133.89	7.93	1
B0R1E3	Histidine triad nucleotide-binding protein 1	22.69	1	1	13.43	5.05	1
B0V2N8	Annexin (Fragment)	9.09	1	2	19.58	5.96	2
B0V2W5	Protein Zfp472	5.24	1	1	62.15	8.50	1
B1APN4	Protein Rhox1	7.59	1	1	25.04	9.09	1
B1AQ77	Keratin 15, isoform CRA_a	7.89	1	1	49.46	4.86	1

B1AR28	Very long-chain-specific acyl-CoA dehydrogenase, mitochondrial	5.99	2	90	68.51	8.75	6
B1AR34	Asialoglycoprotein receptor 1	4.31	1	1	29.38	6.02	1
B1ARS0	Adenylyl cyclase-associated protein (Fragment)	9.76	1	2	17.88	6.38	1
B1ARW4	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5 (Fragment)	20.88	1	1	10.90	8.94	1
B1ASE2	ATP synthase subunit d, mitochondrial (Fragment)	8.7	1	32	15.87	5.22	6
B1ASH7	Rho guanine nucleotide exchange factor 16 (Fragment)	7.76	1	2	25.35	9.86	1
B1ASP2	Tyrosine-protein kinase	2.17	1	1	133.27	7.53	1
B1AST8	Microtubule associated serine/threonine kinase 2, isoform CRA_b	2.14	1	1	190.25	7.62	1
B1ATB3	Transmembrane channel-like protein	3.58	1	1	90.52	8.87	1
B1ATC3	Trinucleotide repeat-containing gene 6C protein	2.11	1	1	198.09	7.17	1
B1ATS4	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3	1.53	1	2	107.53	5.77	1
B1ATX8	Protein Gm732 (Fragment)	19.87	1	1	17.70	7.74	1
B1AU25	Apoptosis-inducing factor 1, mitochondrial	6.09	2	12	66.07	9.11	6
B1AVG8	Matrix metalloproteinase-16 (Fragment)	29.92	1	1	14.71	9.99	1
B1AVU7	Protein Gm13178	9.8	1	1	46.09	8.60	1
B1AWN4	Protein Atp10b	1.36	1	2	166.33	6.60	2
B1AX77	Hydroxysteroid dehydrogenase-like protein 2 (Fragment)	14.09	1	15	16.43	8.47	5
B1AXE9	Angiomotin (Fragment)	5.17	1	1	58.11	8.35	1
B1AXH1	NHS-like protein 2	2.58	1	1	91.82	8.07	1
B1AXW3	Alcohol dehydrogenase [NADP(+)] (Fragment)	30.54	2	14	22.56	7.05	4
B1AXY0	DnaJ homolog subfamily A member 1 (Fragment)	4.81	1	27	23.16	9.23	4
B1AZI6	THO complex subunit 2	2.26	1	1	182.66	8.44	1
B1B0C7	Basement membrane-specific heparan sulfate proteoglycan core protein	1.71	4	91	468.73	6.48	6
B1B1D8	39S ribosomal protein L2, mitochondrial	4.61	1	2	33.08	11.06	2
B2CKC6	EF-hand domain containing 1	4.94	1	1	75.03	6.05	1
B2KG20	Protein Klri1	7.26	1	1	28.62	8.22	1
B2RPU2	Pleckstrin homology domain-containing family D member 1	4.16	1	1	59.06	6.44	1
B2RQC2	Ubiquitin carboxyl-terminal hydrolase 42	1.06	1	1	146.13	8.25	1
B2RQC6-2	Isoform 2 of CAD protein	1.9	1	1	235.70	6.44	1
B2RQC7	DIP2 disco-interacting protein 2 homolog B (Drosophila)	5.82	2	2	146.60	8.03	1
B2RQX9	Transporter	3.41	1	1	86.97	7.40	1
B2RRE7	OTU domain-containing protein 4	3.34	1	1	122.98	6.76	1
B2RUR8	OTU domain-containing protein 7B	2.38	1	1	91.93	6.86	1
B7ZCC2	Protein Aim11	1.25	1	1	164.06	5.74	1

B7ZCC4	Protein Atxn7l2	3.18	1	1	69.95	9.48	1
B7ZCF4	Lysosomal acid phosphatase (Fragment)	18.07	1	2	19.21	8.92	1
B7ZMZ7	Dip2c protein	2.62	2	4	167.14	7.44	2
B7ZP08	AT-rich interactive domain-containing protein 3C	6.6	1	1	40.52	7.37	1
B8JJM3	Complement factor B (Fragment)	7.69	1	5	25.95	8.28	4
B8JK07	Protein Cyp4f13	2.42	1	2	47.28	7.23	2
B8JK51	Centromere protein O (Fragment)	15.38	1	1	25.29	8.34	1
B8JK81	Angiomotin-like protein 2	3.97	1	1	61.53	6.98	1
B8QI34	Liprin-alpha 2	2.78	1	3	143.24	6.11	3
B8QI36	Liprin-alpha 4	2.19	1	1	133.63	6.27	1
B9EIX0	DCP1 decapping enzyme homolog b ( <i>S. cerevisiae</i> )	6.92	1	2	62.65	8.43	1
B9EJ54	MCG21756, isoform CRA_b	1.64	2	2	227.32	6.34	1
B9EKK6	Family with sequence similarity 55, member C	4.65	1	1	63.92	8.85	1
D2EAC2	Zinc finger BED domain-containing protein 6	3.98	1	1	109.08	6.73	1
D2EAC2-2	Isoform 2 of Zinc finger BED domain-containing protein 6	3.96	1	1	104.40	6.89	1
D3YTQ5	Acyl-CoA dehydrogenase family member 11	4.39	2	3	74.04	8.10	2
D3YU09	Guanine deaminase	4.74	1	1	42.45	5.33	1
D3YU15	Dimethylarginine dimethylaminohydrolase 1, isoform CRA_a	25.82	1	1	20.23	5.85	1
D3YU60	Microsomal glutathione S-transferase 1	22.55	5	1126	11.68	8.48	6
D3YUC5	Folliculin-interacting protein 2	1.76	1	1	125.53	6.61	1
D3YUE7	GRAM domain-containing protein 4	3.99	1	1	72.09	8.59	1
D3YUF9	UDP-glucuronic acid decarboxylase 1 (Fragment)	7.09	1	2	28.94	8.00	2
D3YUK4	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10 (Fragment)	7.38	1	2	17.73	6.57	1
D3YUN8	Voltage-dependent anion-selective channel protein 2 (Fragment)	25.33	1	14	7.93	8.35	3
D3YV43	40S ribosomal protein S3	15.18	2	76	20.98	9.45	6
D3YV75	Nitric oxide synthase-interacting protein (Fragment)	9.05	1	1	24.43	9.13	1
D3YV92	Protein Fam71d	7.27	1	2	50.08	6.55	2
D3YVF4	40S ribosomal protein S14 (Fragment)	10.08	1	70	12.70	8.95	6
D3YVG0	Protein Slc4a5	2	1	1	111.44	8.12	1
D3YVH7	Proliferation-associated protein 2G4 (Fragment)	6.18	2	35	30.69	6.37	4
D3YVL0	Putative helicase MOV-10	2.89	1	1	113.53	8.98	1
D3YVP5	Glutathione S-transferase Mu 7	6.54	1	2	25.09	6.37	2
D3YVW3	TBC1 domain family member 14 (Fragment)	36.08	1	1	10.39	6.54	1
D3YVZ5	Tubulin polyglutamylase TTLL5	1.95	1	1	142.82	8.78	1

D3YW33	RAB3D, member RAS oncogene family, isoform CRA_b	29.41	1	1	15.69	9.17	1
D3YWC9	MTSS1-like protein	7.04	1	1	70.04	7.30	1
D3YWM4	Propionyl-CoA carboxylase alpha chain, mitochondrial (Fragment)	11.45	1	19	14.59	9.29	1
D3YWN4	Protein Dnah6	2.05	1	5	144.61	5.59	3
D3YWQ9	Protein Tmem196	20.45	1	1	18.88	8.03	1
D3YWR7	Dihydropteridine reductase	32.28	3	135	19.99	6.92	6
D3YWT1	MCG11326, isoform CRA_b	13.6	1	1	35.16	6.87	1
D3YWU9	Oxysterol-binding protein-related protein 5 (Fragment)	12.83	1	1	20.94	9.33	1
D3YWZ6	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 4	5.45	1	1	58.81	6.58	1
D3YX34	Dynactin subunit 1	1.58	1	2	126.74	5.48	2
D3YX76	Glutathione S-transferase Mu 2	14.13	2	25	21.65	7.84	6
D3YX79	Proteasome subunit alpha type	13.69	1	1	26.39	4.89	1
D3YXF4	14-3-3 protein zeta/delta (Fragment)	36.36	1	68	5.00	4.59	6
D3YXT4	Uncharacterized protein	7.89	3	48	30.03	10.61	6
D3YXV0	Otoferlin (Fragment)	2.07	1	1	219.02	5.53	1
D3YY36	Protein 1300017J02Rik	3.05	1	19	68.56	7.88	5
D3YY48	Beta-glucuronidase	22.92	1	1	16.54	8.19	1
D3YY50	Copper homeostasis protein cutC homolog (Fragment)	16.93	2	10	27.14	6.68	4
D3YY68	Elongation factor 1-delta	12.63	1	3	21.75	4.89	3
D3YYG1	HRAS-like suppressor 3 (Fragment)	20.2	1	1	11.01	7.50	1
D3YYM6	40S ribosomal protein S5 (Fragment)	17.03	3	94	20.40	9.55	6
D3YYV8	60S ribosomal protein L5 (Fragment)	32.52	3	78	17.99	7.36	6
D3YZ18	High mobility group protein B1 (Fragment)	12.9	1	1	14.32	9.76	1
D3YZ54	2-hydroxyacyl-CoA lyase 1	24.37	9	281	60.96	6.18	6
D3YZE6	UDP-glucuronosyltransferase 1-6 (Fragment)	7.83	1	4	18.25	8.43	2
D3YZE7	RIKEN cDNA 2700050L05, isoform CRA_b	2.9	2	2	135.26	6.24	1
D3YZY0	Actin, gamma-enteric smooth muscle (Fragment)	18.89	3	31	30.05	5.05	6
D3Z036	COP9 signalosome complex subunit 3 (Fragment)	28.3	1	1	11.46	6.10	1
D3Z041	Long-chain-fatty-acid--CoA ligase 1	23.03	13	661	77.98	7.47	6
D3Z096	Inorganic pyrophosphatase 2, mitochondrial (Fragment)	14.39	1	25	15.05	4.83	6
D3Z0E6	3'(2'),5'-bisphosphate nucleotidase 1	13.04	2	28	27.38	5.30	5
D3Z0R8	Tetratricopeptide repeat protein 7A	2.31	1	1	91.89	6.25	1
D3Z0Y2	Peroxiredoxin-6	17	2	117	22.48	8.88	5
D3Z106	Acyl-coenzyme A synthetase ACSM1, mitochondrial (Fragment)	9.98	3	45	59.94	6.39	6

D3Z111	Acyl-protein thioesterase 1	9.18	1	1	21.14	6.18	1
D3Z139	Epithelial-splicing regulatory protein 2 (Fragment)	3.89	1	2	64.01	6.38	1
D3Z1A5	Protein Adamts6	2.24	1	1	124.98	6.65	1
D3Z1D3	Protein 3425401B19Rik	2.69	1	1	154.38	6.25	1
D3Z1H6	Transient receptor potential cation channel subfamily V member 4	1.83	1	1	85.55	7.78	1
D3Z1L8	Glutamate decarboxylase 1	17.94	1	2	25.07	6.29	2
D3Z1T4	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2 (Fragmen	28.72	3	51	20.77	7.69	6
D3Z1U9	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	26.23	6	98	41.81	6.96	6
D3Z220	Dipeptidyl peptidase 1 (Fragment)	7.48	1	1	29.16	8.25	1
D3Z221	L-serine dehydratase/L-threonine deaminase (Fragment)	18.81	1	77	10.69	10.29	5
D3Z269	Acyl-protein thioesterase 1 (Fragment)	21.83	1	1	14.79	7.40	1
D3Z2A5	Medium-chain-specific acyl-CoA dehydrogenase, mitochondrial (Fragment)	18.75	2	28	15.35	6.02	3
D3Z2B2	Kininogen-1 (Fragment)	9.02	1	7	14.81	7.12	2
D3Z2D7	Phenazine biosynthesis-like domain-containing protein 2 (Fragment)	30.29	1	15	19.94	10.48	1
D3Z2H7	Catenin delta-1	2.46	1	2	67.89	8.13	2
D3Z2P8	Sulfotransferase 1A1 (Fragment)	13.81	2	17	20.46	8.35	6
D3Z2Q7	Protein Hmcn1	0.96	2	2	597.88	6.58	1
D3Z2X2	Protein Dnhd1	0.69	1	2	536.19	7.06	2
D3Z329	Chromobox protein homolog 6 (Fragment)	21.26	1	1	14.01	9.94	1
D3Z344	Adenomatous polyposis coli protein 2 (Fragment)	21.6	1	1	13.94	8.19	1
D3Z3C3	Heparanase	4.76	1	5	54.52	9.11	3
D3Z3F8	Spartin	2.58	1	1	63.04	5.58	1
D3Z3H7	TM2 domain-containing protein 3 (Fragment)	40	1	1	10.47	5.97	1
D3Z3K2	E3 ubiquitin-protein ligase CCNB1IP1	11.23	1	1	31.37	7.85	1
D3Z3M1	Protein Gm20782	9.49	1	1	43.01	6.65	1
D3Z3P8	Estradiol 17 beta-dehydrogenase 5 (Fragment)	40.23	6	400	20.18	8.32	6
D3Z3S1	Prolactin regulatory element binding, isoform CRA_b	6.86	1	8	37.94	8.56	2
D3Z3T8	Protein Tcp10a (Fragment)	9.39	1	1	27.18	4.93	1
D3Z3V5	Zinc finger protein 689	4.72	1	1	40.72	9.57	1
D3Z3X0	Protein very KIND	6.82	1	1	62.26	4.87	1
D3Z3X5	Glutathione S-transferase theta-1	23.28	3	39	26.02	6.86	5
D3Z410	TNFAIP3-interacting protein 1 (Fragment)	14.02	1	1	23.06	4.89	1
D3Z456	39S ribosomal protein L3, mitochondrial	5.92	1	1	33.97	10.05	1
D3Z473	Mineralocorticoid receptor	3.81	1	1	94.31	7.52	1

D3Z4K0	Protein Ankrd36	1.41	1	2	159.05	5.66	1
D3Z4U1	Uricase	30.65	5	421	23.27	8.51	5
D3Z4X1	6-phosphogluconolactonase	8.05	1	16	18.66	5.53	4
D3Z580	Protein Celf5	4.82	1	1	42.52	7.90	1
D3Z5B9	Protein ERGIC-53 (Fragment)	11.07	1	61	32.10	5.39	6
D3Z5M2	Protein Gm10110	2.76	2	7	67.72	9.50	3
D3Z629	60S ribosomal protein L9	6.63	1	1	19.08	10.14	1
D3Z6C3	40S ribosomal protein S3a	13.64	3	20	29.81	9.73	5
D3Z6F5	ATP synthase subunit alpha	7.75	1	3	54.56	8.24	2
D3Z6K8	Ras-specific guanine nucleotide-releasing factor 2	2.1	1	1	136.02	7.97	1
D3Z6S9	Glutamate-rich protein 6	4.91	1	1	80.90	5.03	1
D3Z6T0	ATP-dependent DNA helicase Q1 (Fragment)	8.98	1	1	18.54	5.17	1
D3Z6Z4	Zinc finger protein 451 (Fragment)	13.58	1	1	27.26	5.66	1
D3Z7C6	Prostaglandin E synthase 3	5.38	1	7	14.97	4.79	2
D3Z7G0	UDP-glucuronosyltransferase 1-7C (Fragment)	11.59	1	1	22.67	6.28	1
D3Z7J6	Translation initiation factor eIF-2B subunit beta (Fragment)	7.89	1	1	25.35	6.29	1
D3Z7M4	Insulin-like growth factor I (Fragment)	10.37	1	3	15.07	9.91	3
D3Z7R0	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial	19.16	1	1	24.34	9.51	1
D3Z7S3	5-azacytidine-induced protein 2 (Fragment)	8.43	1	1	20.08	8.35	1
D6RCG1	Trifunctional purine biosynthetic protein adenosine-3	12.75	2	10	32.10	5.52	4
D6RCY7	P protein	5.54	1	3	33.90	7.24	2
D6RDC7	WD repeat-containing protein 61	8.21	1	1	22.48	5.68	1
D6RDS4	Palmitoyltransferase ZDHHC3	27.05	1	2	13.63	7.27	1
D6REG4	Glyoxylate reductase/hydroxypyruvate reductase	19.29	3	19	21.25	7.80	1
D6REV0	Transketolase-like protein 1	12.7	1	1	14.00	8.18	1
D6RFR8	Choline/ethanolaminephosphotransferase 1	84	1	1	5.42	8.65	1
D6RFV2	Protein 1700015F17Rik	33.87	1	1	7.55	7.50	1
D6RG53	Eukaryotic translation initiation factor 6	23.73	1	49	6.84	9.55	6
D6RGS0	Zinc finger and BTB domain-containing protein 49	5.37	1	5	46.67	6.62	3
D6RH66	Transmembrane and TPR repeat-containing protein 4	100	1	1	4.44	4.89	1
D6RHA7	Acetyl-coenzyme A synthetase, cytoplasmic	27.42	3	34	14.45	9.61	6
D6RHN4	Peroxisomal trans-2-enoyl-CoA reductase	36.67	2	42	9.36	8.53	1
D6RI29	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	4.71	1	2	27.80	9.35	1
D6RIL6	Isocitrate dehydrogenase [NADP], mitochondrial	10.88	1	24	32.78	7.93	2



D6RJM2	Sedoheptulokinase	10.14	1	20	14.53	8.21	5
E0CX81	Glucose 1,6-bisphosphate synthase	14.62	1	1	28.86	7.15	1
E0CXB1	Proteasome subunit alpha type-6	18.06	3	109	25.25	7.85	6
E0CXD9	Surfeit locus protein 4	15.85	1	7	9.55	4.72	3
E0CXG4	Protein GREB1	1.4	1	1	213.67	6.89	1
E0CXK2	Protein Cacna1i	2.07	1	1	205.28	6.60	1
E0CXN5	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic	23.62	5	156	35.21	7.59	6
E0CXS3	Ethylmalonyl-CoA decarboxylase (Fragment)	7.88	1	10	17.94	8.31	3
E0CYH2	Zinc finger protein 394 (Fragment)	15.15	1	1	25.75	5.39	1
E0CYI9	GRIP and coiled-coil domain-containing protein 2	1.02	1	1	182.90	5.12	1
E0CZ04	Gamma-glutamylaminocyclotransferase (Fragment)	13.33	1	2	11.93	5.39	2
E0CZ27	Histone H3 (Fragment)	27.73	2	25	13.31	11.02	5
E0CZ41	Armadillo repeat-containing protein 2 (Fragment)	9.52	1	1	16.34	10.56	1
E0CZ97	Protein Kctd17	11.74	1	1	23.98	5.68	1
E9PUA2	Terminal uridylyltransferase 7	2.17	1	1	167.05	6.52	1
E9PUC5	PH and SEC7 domain-containing protein 3	5.32	1	4	42.27	9.60	4
E9PUD7	Tubulin polyglutamylase complex subunit 2	14.11	1	1	27.40	5.40	1
E9PUV7	Protein 4930485B16Rik	1.09	1	1	353.53	8.29	1
E9PV21	Tetratricopeptide repeat protein 39C	5.94	2	3	58.88	7.50	2
E9PVE0	Protein Slco5a1	3.78	1	1	74.30	8.22	1
E9PVJ7	Olfactory receptor	11.25	1	1	35.76	7.72	1
E9PVL9	Amine oxidase [flavin-containing] B	15.18	2	14	12.28	8.59	5
E9PW69	Proteasome subunit alpha type (Fragment)	45.24	4	85	23.37	7.25	6
E9PWD1	Vacuolar protein sorting-associated protein 53 homolog (Fragment)	5.73	1	5	47.09	4.86	3
E9PWP9	Protein 4931408C20Rik	2.75	2	10	154.00	9.07	5
E9PWY6	2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial	23.04	4	124	41.31	7.91	6
E9PX43	Pleckstrin homology domain-containing family A member 6	1.78	1	1	119.26	9.07	1
E9PX70	Collagen alpha-1(XII) chain	0.69	1	1	333.52	5.80	1
E9PXX7	Thioredoxin domain-containing protein 5	11.63	3	34	38.51	5.39	6
E9PY34	Cell division control protein 6 homolog	2.64	1	1	46.69	9.26	1
E9PY53	Prostacyclin receptor	5.19	1	2	22.81	8.15	1
E9PZ41	Trafficking protein particle complex subunit 9	2.7	1	2	95.35	7.14	1
E9PZ64	NGFI-A-binding protein 1	5.04	1	1	50.74	6.99	1
E9PZC4	Flavin reductase (NADPH)	15.83	1	157	13.39	7.24	6

E9PZG0	Protein Apol11a	3.59	1	1	37.28	8.31	1
E9PZI3	Protein Gm8369	19.28	1	1	17.76	8.50	1
E9PZM7	Protein Scaf11	1.65	1	5	162.00	6.77	3
E9PZW0	Desmoplakin	1.58	1	1	261.26	6.92	1
E9PZY5	Protein 4930485B16Rik (Fragment)	5.69	1	1	67.75	8.34	1
E9Q007	Protein Gm4450	6.17	1	2	41.68	8.44	1
E9Q048	Protein Ermard	2.57	1	6	70.30	6.77	3
E9Q067	Protein Vmn2r79	4	1	1	97.91	8.00	1
E9Q070	Uncharacterized protein	17.67	4	180	34.19	6.25	6
E9Q0F0	Protein Krt78	1.97	1	1	112.19	7.97	1
E9Q0M9	Protein Cald1	3.18	1	1	61.62	6.93	1
E9Q0T8	Protein Dnah7a	0.7	1	1	460.61	6.20	1
E9Q107	Protein Vmn2r3	2.37	1	2	100.80	8.24	2
E9Q133	T-complex protein 1 subunit gamma	9.86	3	94	56.49	6.70	6
E9Q148	Uncharacterized protein	29.75	1	1	13.44	8.15	1
E9Q160	Protein Tro	1.87	1	3	87.26	10.10	2
E9Q1F2	Actin, cytoplasmic 1	37.97	7	334	32.54	5.29	6
E9Q1H7	tRNA (guanine-N(7)-)-methyltransferase non-catalytic subunit WDR4	17.93	1	1	15.57	9.35	1
E9Q1J7	Propionyl-CoA carboxylase beta chain, mitochondrial	11.11	4	59	54.58	7.49	6
E9Q1Q0	Protein Slc4a1ap	7.3	1	1	59.37	5.22	1
E9Q1R2	4-hydroxy-2-oxoglutarate aldolase, mitochondrial	10.13	1	9	17.41	8.18	4
E9Q1R7	T-lymphoma invasion and metastasis-inducing protein 1	5.63	1	1	70.60	7.55	1
E9Q1S3	Protein transport protein Sec23A	7.88	3	70	82.90	7.46	6
E9Q1U1	Coiled-coil domain-containing protein 171	2.42	1	1	152.21	6.76	1
E9Q1Y3	Apolipoprotein B-100 (Fragment)	0.65	1	1	503.59	6.83	1
E9Q1Y6	Rac GTPase-activating protein 1 (Fragment)	48.57	1	1	4.20	4.17	1
E9Q1Z7	Protein Gm10855	20.11	1	1	19.91	8.68	1
E9Q2H8	Hydroxyacylglutathione hydrolase, mitochondrial (Fragment)	5.99	1	22	23.74	6.74	5
E9Q2K8	Protein S100-A14	45.45	1	1	6.00	5.25	1
E9Q2M2	Tonsoku-like protein	3.6	1	1	47.41	7.01	1
E9Q2X6	Structural maintenance of chromosomes protein	1.59	1	1	144.12	7.58	1
E9Q341	Serine/threonine-protein kinase 36 (Fragment)	1.34	1	1	115.62	5.36	1
E9Q3E9	Staphylococcal nuclease domain-containing protein 1	11.07	3	54	28.56	11.36	4
E9Q401	Ryanodine receptor 2	0.46	1	1	564.46	6.09	1

E9Q470	Serine/threonine-protein kinase WNK4	5.26	1	1	30.93	8.46	1
E9Q484	5-oxoprolinase (Fragment)	12.09	6	119	91.49	5.95	6
E9Q4G4	Apolipoprotein B-100 (Fragment)	6.69	1	1	36.91	8.24	1
E9Q4H5	Brain-specific angiogenesis inhibitor 1	3.58	1	1	70.41	9.00	1
E9Q4K7	Protein Kif13b	0.71	1	1	204.45	5.80	1
E9Q4P5	Synaptojanin-2	2.06	1	1	123.48	7.49	1
E9Q4Y1	Protein Adh6a	7.88	1	1	39.08	6.09	1
E9Q4Z2	Protein Acacb	0.86	1	1	275.57	6.32	1
E9Q507	GON-4-like protein	1.52	1	1	246.55	4.86	1
E9Q5A6	Protein Nr1h5	4.36	1	2	57.13	6.89	1
E9Q5L6	Collagen alpha-1(XXV) chain	5.63	1	1	62.63	8.84	1
E9Q5N7	Protein Nrnx2	1.06	1	1	162.96	6.05	1
E9Q5R9	Protein Wiz (Fragment)	58.06	1	1	6.38	4.56	1
E9Q5X5	Galectin-3-binding protein (Fragment)	13.73	1	6	21.93	4.65	2
E9Q605	Inhibitor of nuclear factor kappa-B kinase subunit alpha	3.62	1	2	82.17	7.71	2
E9Q6A1	Protein Prdm15	1.83	1	1	129.98	8.22	1
E9Q6E9	Protein Simc1	5.61	2	2	146.53	6.39	1
E9Q6H8	Protein Plekha5	1.18	1	1	144.26	7.39	1
E9Q6M6	Mitochondrial glutamate carrier 1	16.16	2	71	24.62	8.60	6
E9Q704	Peptidyl-glycine alpha-amidating monooxygenase	1.72	1	1	97.11	6.74	1
E9Q705	BolA-like protein 3	21.05	1	1	10.82	8.31	1
E9Q707	PR domain zinc finger protein 5	5.3	1	1	48.72	9.39	1
E9Q740	Signal recognition particle subunit SRP72	4.1	1	1	67.89	9.38	1
E9Q784	Protein Zc3h13	1.5	1	1	203.64	9.38	1
E9Q7D5	Protein Arhgef5	2.4	1	1	176.56	5.83	1
E9Q7D8	Poly(rC)-binding protein 3	6.19	1	2	24.10	8.87	2
E9Q7K5	Protein 0610011F06Rik	25.42	2	4	19.49	5.83	2
E9Q7L8	Protein Cped1 (Fragment)	1.97	1	1	110.04	7.09	1
E9Q7N9	Protein Dnah11	0.49	1	2	515.99	6.14	2
E9Q7T7	Protein Chadl	2.67	1	1	81.31	8.87	1
E9Q7W7	Protein Gm5155	2.53	1	1	106.28	6.52	1
E9Q7Y0	Forkhead box protein M1	2.7	1	1	81.54	7.52	1
E9Q892	Leucine-rich repeat and calponin homology domain-containing protein 3 (Fr	6.89	1	1	68.65	7.02	1
E9Q8A6	Glucocorticoid receptor (Fragment)	24.03	1	1	13.79	8.44	1

E9Q8K0	Low-density lipoprotein receptor-related protein 6	2.7	1	1	73.74	5.27	1
E9Q8W4	Protein Gm10935	22.29	1	1	16.43	5.71	1
E9Q8Z7	Mirror-image polydactyly gene 1 protein homolog	9.23	1	1	43.48	5.43	1
E9Q9P8	Uncharacterized protein	15.46	2	74	35.75	8.81	2
E9Q9T4	Adenylate cyclase type 10	1.86	1	1	185.78	6.83	1
E9Q9Y4	Methylcytosine dioxygenase TET1	0.88	1	3	222.81	8.24	3
E9QA57	Protein Spata31d1b	3.23	1	1	149.61	8.72	1
E9QA74	Unconventional myosin-XVIIIa	1.28	1	1	186.42	5.90	1
E9QAE3	Protein Btaf1	2.06	1	1	206.92	6.43	1
E9QAF4	Protein Phldb3	4.17	1	1	72.74	6.24	1
E9QAF8	Protein Ccnt2	3.81	1	1	72.89	9.20	1
E9QAF9	Protein TANC1	1.62	1	1	199.94	8.32	1
E9QAK1	Protein 2810007J24Rik (Fragment)	8.47	1	1	22.44	8.66	1
E9QAK5	Kinesin-1 heavy chain (Fragment)	2.91	1	1	70.06	5.24	1
E9QAN4	Kinesin-like protein KIF1A	1.36	1	1	190.86	6.19	1
E9QAT7	Olfactory receptor	12.15	1	1	36.74	7.90	1
E9QAY5	Protein Arfp1	16.67	1	1	29.14	8.06	1
E9QJR0	Protein 4833403I15Rik	3.73	1	1	113.23	5.47	1
E9QKQ5	Phosphatidate phosphatase LPIN1	2.81	1	1	98.47	6.79	1
E9QL23	Dystonin	0.43	1	2	614.83	5.71	1
E9QLW0	Potassium voltage-gated channel subfamily C member 2	6.73	1	1	70.14	6.74	1
E9QMD2	Ubiquitin-conjugating enzyme E2Q-like protein 1	6.58	1	1	32.63	10.10	1
E9QME5	E3 ubiquitin-protein ligase TRIM33	1.25	1	24	121.61	6.73	5
E9QMH7	Inhibitor of nuclear factor kappa-B kinase-interacting protein	7.51	1	1	42.47	5.10	1
E9QMK6	Patched domain-containing protein 4	4.11	1	1	102.69	8.70	1
E9QMR2	Dedicator of cytokinesis protein 9	1.55	1	1	234.77	7.56	1
E9QNP3	Hornerin	0.49	1	1	323.18	9.96	1
E9QNQ4	Rap guanine nucleotide exchange factor 2	1.61	1	1	166.32	6.64	1
E9QNX9	Tyrosine-protein kinase receptor	1.53	1	10	155.19	5.83	3
E9QP59	Inner nuclear membrane protein Man1	2.83	1	1	100.10	7.55	1
E9QPI9	DNA excision repair protein ERCC-6-like 2 (Fragment)	2.97	1	1	95.12	8.44	1
E9QPU2	Dynein heavy chain 12, axonemal (Fragment)	0.86	1	1	267.31	6.00	1
E9QPX3	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial	14.29	1	1	19.79	9.99	1
E9QQ96	Obscurin	0.53	1	1	815.13	5.78	1

F2Z3X0	Calpain-7	7.48	1	1	57.86	6.80	1
F2Z459	Protein Acat3	24.19	3	88	26.23	7.53	4
F2Z488	Glutamate receptor 3	3.3	1	1	92.65	7.64	1
F2Z4A6	GAS2-like protein 2	15.96	1	1	23.89	5.83	1
F6PYI8	Proline dehydrogenase 1, mitochondrial (Fragment)	10.25	1	6	27.77	6.54	3
F6Q404	Thioredoxin (Fragment)	23.39	2	25	13.58	7.80	2
F6Q750	Microtubule-actin cross-linking factor 1 (Fragment)	0.2	1	1	503.92	5.36	1
F6QFL0	Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondri	15.73	2	15	10.43	7.30	5
F6QFT7	Protein 8030474K03Rik (Fragment)	14.81	1	1	12.08	4.96	1
F6R059	Plectin (Fragment)	1.76	1	1	186.39	6.16	1
F6R6R4	Protein Cyp2j13 (Fragment)	17.95	1	1	17.66	5.33	1
F6R9G0	E1A-binding protein p400 (Fragment)	11.69	1	1	34.65	10.81	1
F6RCB2	Vitamin D 25-hydroxylase (Fragment)	11.94	1	1	30.60	6.10	1
F6RPB0	Mitogen-activated protein kinase kinase kinase 2 (Fragment)	12.68	1	1	15.87	9.60	1
F6RUE0	60S ribosomal protein L10 (Fragment)	16.27	1	9	18.68	9.67	1
F6RXI4	Protein BC067074 (Fragment)	0.55	1	1	263.11	6.48	1
F6RYL8	DmX-like protein 2 (Fragment)	0.72	1	3	248.99	6.29	3
F6RYM7	Vacuolar protein sorting-associated protein VTA1 homolog (Fragment)	52.86	1	1	8.08	8.57	1
F6S4J6	Putative L-aspartate dehydrogenase (Fragment)	10.12	1	2	17.63	7.62	1
F6SAC3	Glucose-6-phosphate isomerase	3.82	1	1	53.22	7.30	1
F6SDC3	Cell adhesion molecule-related/down-regulated by oncogenes (Fragment)	7.8	1	1	23.65	5.48	1
F6SPW1	Myeloid differentiation primary response protein MyD88 (Fragment)	17.43	1	1	11.76	5.15	1
F6SRT8	Neuron navigator 3 (Fragment)	2.14	1	1	175.06	7.47	1
F6T4V9	E3 ubiquitin-protein ligase MYCBP2 (Fragment)	1.98	1	1	162.71	6.86	1
F6T930	Enoyl-CoA hydratase, mitochondrial (Fragment)	22.51	3	38	20.90	5.96	6
F6TMY4	Protein Sptbn5 (Fragment)	4.27	1	1	32.49	7.55	1
F6TQD1-2	Isoform 2 of Probable E3 SUMO-protein ligase RNF212	13.13	1	1	10.68	10.27	1
F6TQW2	Protein Ighg2c	6.95	1	2	44.07	6.90	2
F6TRD7	CUB and sushi domain-containing protein 3 (Fragment)	0.72	1	1	305.42	6.09	1
F6TU77	Protein Fam184a (Fragment)	2.99	1	1	117.03	5.74	1
F6UCX4	Protein Sptbn5 (Fragment)	1.08	1	1	138.54	5.92	1
F6UFB9	ADP-ribosylation factor 4 (Fragment)	71.67	1	1	6.83	4.78	1
F6UFG6	Acidic leucine-rich nuclear phosphoprotein 32 family member A (Fragment)	15.22	1	18	15.41	5.36	6
F6UK33	Polycomb protein SCMH1 (Fragment)	25.99	1	1	19.37	9.66	1

F6UKN5	Septin-2 (Fragment)	14.95	1	11	12.14	5.26	4
F6UPM1	MLX-interacting protein (Fragment)	12.03	1	2	26.03	9.69	1
F6UPY1	Non-canonical poly(A) RNA polymerase PAPD5 (Fragment)	7.5	1	1	21.94	9.63	1
F6UU81	Eukaryotic translation initiation factor 4 gamma 2 (Fragment)	20.25	1	1	17.92	4.97	1
F6UV36	Cullin-4A (Fragment)	17.24	1	2	9.74	5.41	2
F6UYN4	Kinesin light chain 1 (Fragment)	13.37	1	1	19.73	8.82	1
F6V339	Glucokinase (Fragment)	19.59	1	1	10.30	8.98	1
F6V5T7	Serine/arginine repetitive matrix protein 4 (Fragment)	3.43	1	1	48.29	11.72	1
F6VBM2	Protein Gm10490	25	1	1	13.27	9.29	1
F6VCW7	Nuclear factor of-activated T-cells 5 (Fragment)	11.11	1	1	14.66	8.91	1
F6VJC5	Protein Sec24b (Fragment)	2.75	1	2	82.99	7.15	1
F6VTL9	Neurobeachin-like protein 2 (Fragment)	0.84	1	2	223.56	6.83	2
F6VU93	Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 1	23.73	1	1	13.42	8.16	1
F6VVE6	Actin-related protein 2/3 complex subunit 1B (Fragment)	7.76	1	2	25.81	6.90	2
F6VVY4	Protein Slc25a1 (Fragment)	4.06	1	4	21.54	9.80	1
F6W623	Histone-lysine N-methyltransferase 2B (Fragment)	0.84	1	2	219.87	7.06	2
F6W8R9	Nesprin-2 (Fragment)	0.91	1	1	189.33	5.31	1
F6WA09	14-3-3 protein epsilon (Fragment)	15.58	1	1	17.35	9.16	1
F6WEP7	Ribosome biogenesis protein BRX1 homolog (Fragment)	25.17	1	1	17.23	9.51	1
F6WKE4	Epsilon-sarcoglycan (Fragment)	9.25	1	1	46.40	6.24	1
F6WMQ9	Sodium channel and clathrin linker 1 (Fragment)	4.35	1	4	21.46	7.55	3
F6X166	3-hydroxy-3-methylglutaryl-coenzyme A reductase (Fragment)	9.63	1	1	23.83	9.44	1
F6XC15	Filamin-A (Fragment)	4.31	1	3	56.29	7.49	2
F6XVP7	E3 ubiquitin-protein ligase RNF31 (Fragment)	1.43	1	1	102.05	6.77	1
F6XWA0	Calcitonin receptor (Fragment)	5.47	1	1	55.58	8.59	1
F6Y3V0	Receptor-type tyrosine-protein phosphatase F (Fragment)	1.16	1	1	145.40	6.73	1
F6Y6L6	Cathepsin D (Fragment)	19.42	3	62	29.93	6.67	6
F6YDG9	Low-density lipoprotein receptor-related protein 1B (Fragment)	2.63	1	2	88.49	6.73	2
F6YK91	Protein Ankrd65	8.68	1	1	40.09	6.95	1
F6YMV1	Angiomotin (Fragment)	3.27	1	1	75.68	7.94	1
F6YTS6	Epoxide hydrolase 1 (Fragment)	10.53	1	16	30.28	8.24	6
F6ZBL2	E3 ubiquitin-protein ligase MIB1 (Fragment)	6.71	1	1	69.70	7.05	1
F6ZCH1	Histone acetyltransferase KAT2B (Fragment)	51.52	1	1	7.05	5.01	1
F6ZE47	Ubiquitin carboxyl-terminal hydrolase 13 (Fragment)	17.55	1	1	20.52	4.53	1

F6ZED4	Protein Gm9970	17.3	1	1	19.14	11.37	1
F6ZEW4	Exportin-2 (Fragment)	4.1	1	1	74.36	6.18	1
F6ZL86	DnaJ homolog subfamily C member 1 (Fragment)	8.4	1	1	41.12	5.99	1
F6ZMJ4	Trinucleotide repeat-containing gene 6A protein	0.58	1	1	203.03	6.99	1
F6ZTG3	Glyoxalase domain-containing protein 4 (Fragment)	13.68	1	4	23.68	5.10	3
F7A487	Signal peptide, CUB and EGF-like domain-containing protein 3 (Fragment)	4.23	1	1	90.92	7.59	1
F7ABZ6	Protein Dnah10 (Fragment)	0.78	1	1	502.47	5.94	1
F7ADS7	GTPase-activating protein and VPS9 domain-containing protein 1 (Fragment)	4.83	1	1	90.06	4.91	1
F7AXP1	Polypyrimidine tract-binding protein 1 (Fragment)	9.88	1	13	16.49	6.51	4
F7B227	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial (Fragment)	16.38	1	1	19.31	5.67	1
F7B9G4	Glutamyl aminopeptidase (Fragment)	5.59	1	2	57.43	5.21	2
F7BAC9	Catenin beta-1 (Fragment)	9.47	1	2	18.77	8.90	1
F7BC60	Mitochondrial fission factor (Fragment)	16.06	1	1	15.71	9.36	1
F7BCF6	Disco-interacting protein 2 homolog A (Fragment)	26.44	1	1	9.64	4.35	1
F7BPW6	Protein Sec16a (Fragment)	2.87	1	1	98.40	5.72	1
F7BTE7	Metallophosphoesterase domain-containing protein 1 (Fragment)	7.27	1	5	24.95	6.07	4
F7BUP2	Mothers against decapentaplegic homolog 3 (Fragment)	10.49	1	11	16.55	6.01	5
F7BWJ0	Vang-like protein 1 (Fragment)	11.46	1	1	28.89	9.35	1
F7BYG3	Protein Sptbn5 (Fragment)	4.69	1	1	92.03	6.83	1
F7C312	Endoplasmin (Fragment)	12.6	2	203	43.45	5.66	6
F7C528	Protein Chd3 (Fragment)	0.8	1	1	213.90	7.53	1
F7C9F6	Aryl hydrocarbon receptor nuclear translocator (Fragment)	11.11	1	2	13.96	8.60	2
F7CAZ6	F-actin-capping protein subunit beta (Fragment)	9.8	1	1	22.83	6.23	1
F7CBP1	Eukaryotic translation initiation factor 4 gamma 2	3.23	1	1	97.83	6.99	1
F7CDW2	Serine-rich coiled-coil domain-containing protein 1 (Fragment)	14.29	1	3	18.72	5.21	1
F7CE88	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A (Fragm	11	1	9	11.26	8.35	4
F7CES2	Protein Plekhg1 (Fragment)	20.67	1	1	16.76	8.73	1
F7CGG2	Transformation/transcription domain-associated protein (Fragment)	0.45	1	1	405.27	8.19	1
F7CGP0	Ral GTPase-activating protein subunit alpha-2 (Fragment)	5.23	2	2	174.41	5.72	1
F7CKD6	Gem-associated protein 5 (Fragment)	13.56	1	1	19.83	7.62	1
F7CRC6	Catenin beta-1 (Fragment)	20.11	1	1	19.10	5.00	1
F7CSZ6	Protein Agl (Fragment)	11.62	1	2	21.70	6.84	1
F7CXG1	Nebulin-related-anchoring protein (Fragment)	6.46	1	1	43.54	9.14	1
F7D1P5	Ankyrin-1 (Fragment)	2.37	1	2	120.78	7.42	2

F7D291	MTSS1-like protein (Fragment)	4.95	1	1	39.10	8.00	1
F7D439	Argininosuccinate lyase (Fragment)	3.41	1	4	29.05	5.87	2
F8VFN4	Protein Agl	5.81	5	103	174.18	6.74	5
F8VQ40	Laminin subunit alpha-1	0.81	1	1	337.93	6.71	1
F8VQ72	Mitogen-activated protein kinase kinase kinase 1	1.21	1	1	161.31	7.88	1
F8VQE9	Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 3	4.18	1	1	97.63	7.77	1
F8VQM0	Alkaline phosphatase	2.5	1	1	60.25	6.60	1
F8WGE3	ATP-binding cassette sub-family A member 8-A	1.85	1	1	183.71	7.36	1
F8WGV9	Transmembrane protein 141 (Fragment)	21.7	1	1	11.78	7.91	1
F8WH72	Schlafen family member 5 (Fragment)	4.5	1	1	42.95	6.04	1
F8WHM5	Golgi apparatus protein 1 (Fragment)	1.29	1	1	132.26	6.93	1
F8WI95	Methylthioribose-1-phosphate isomerase (Fragment)	14.56	1	1	16.99	7.40	1
F8WID1	Exonuclease 3'-5' domain-containing protein 2	4.92	1	1	74.29	7.78	1
F8WIT2	Annexin	4.2	3	45	75.24	5.55	6
F8WIX8	Histone H2A	23.2	1	2	13.60	10.74	1
G3UW30	1,4-alpha-glucan-branching enzyme	5.45	2	18	75.60	6.55	5
G3UWL5	Protein Adamts13	3.82	1	1	83.37	8.90	1
G3UWM7	28S ribosomal protein S29, mitochondrial (Fragment)	7.83	1	2	25.12	8.10	2
G3UX44	Estradiol 17-beta-dehydrogenase 8 (Fragment)	9.83	1	102	23.97	8.79	6
G3UXH6	Protein Smpd5 (Fragment)	12.82	1	1	12.73	9.45	1
G3UXI3	Dystrobrevin beta	10.19	1	3	30.35	8.60	2
G3UXI6	Spliceosome RNA helicase Ddx39b (Fragment)	8.11	1	1	16.89	8.92	1
G3UXK3	Protein 2410137M14Rik	16.8	1	1	13.77	5.05	1
G3UXL2	Protein Prps113	3.77	1	7	34.80	6.98	3
G3UXS7	Zinc finger protein ZIC 4 (Fragment)	25.32	1	1	17.37	9.86	1
G3UXT0	Protein Cyp2j12	2.59	1	2	57.73	7.40	2
G3UXW8	Thyroid peroxidase	14.02	1	1	18.11	9.25	1
G3UXX4	Leucine-rich repeat-containing G-protein-coupled receptor 5	3.4	1	1	96.98	6.54	1
G3UY38	Heterogeneous nuclear ribonucleoprotein L	7.24	1	1	50.53	7.50	1
G3UY87	PCTP-like protein (Fragment)	13.78	3	21	31.63	8.70	1
G3UYR8	Alpha-amino adipic semialdehyde dehydrogenase	27.37	9	383	51.65	6.92	6
G3UYV7	40S ribosomal protein S28 (Fragment)	35.71	1	5	6.34	9.96	2
G3UYY2	Selenium-binding protein 2	30	7	442	45.61	5.30	5
G3UZ25	116 kDa U5 small nuclear ribonucleoprotein component (Fragment)	21.43	1	4	11.32	9.98	2



G3UZ26	Serine hydroxymethyltransferase (Fragment)	22.32	4	117	48.41	7.01	6
G3UZM2	Rho-related GTP-binding protein RhoJ (Fragment)	11.46	1	2	10.13	7.74	1
G3UZT8	Protein Jumonji (Fragment)	2.14	1	2	113.98	9.29	2
G3V011	Unconventional myosin-If	6.5	2	2	90.52	7.69	1
G3V020	PCTP-like protein (Fragment)	20	2	75	19.37	8.62	5
G3X8Y3	N-alpha-acetyltransferase 15, NatA auxiliary subunit	2.2	1	1	101.03	7.52	1
G3X922	MCG115602	0.76	1	2	254.28	6.77	1
G3X946	Dimethylaniline monooxygenase [N-oxide-forming]	2.61	1	1	61.29	9.16	1
G3X963	ATPase family AAA domain-containing protein 2	1.54	1	1	155.19	7.20	1
G3X972	Protein Sec24c	1.28	1	3	118.51	6.84	3
G3X982	Aldehyde oxidase 3	13.71	8	252	146.81	6.46	6
G3X9B1	HEAT repeat containing 1	1.35	1	1	241.92	6.98	1
G3X9C7	Homeobox protein MSX-3	26.03	1	1	15.39	10.62	1
G3X9I0	Protein Zfp105	2.86	1	1	58.38	7.78	1
G3X9S2	Ectonucleotide pyrophosphatase/phosphodiesterase 1, isoform CRA_d	2.54	1	1	102.96	6.57	1
G3X9U9	Fission 1 (Mitochondrial outer membrane) homolog (Yeast), isoform CRA_c	8.28	1	4	16.25	9.25	4
G3X9Y6	Aldo-keto reductase family 1, member C19	16.41	3	59	37.02	7.23	4
G3XA10	Heterogeneous nuclear ribonucleoprotein U	2.77	1	6	86.75	5.92	5
G3XA25	Acetyl-CoA acetyltransferase, cytosolic	16.44	1	54	38.12	7.71	2
G3XA27	Thrombospondin type-1 domain-containing protein 1	4.64	1	1	88.85	8.47	1
G3XA59	MCG51019, isoform CRA_b	6.79	1	1	72.37	5.99	1
G5E829	MCG13663, isoform CRA_a	1.15	1	9	134.66	5.91	5
G5E839	T-complex protein 1 subunit delta	5.89	2	15	54.83	8.02	4
G5E8F4	MCG140999	5.25	1	1	65.32	6.48	1
G5E8R3	Pyruvate carboxylase	3.65	4	106	129.62	6.71	6
G5E8X1	Protein 0610011F06Rik	30.85	2	8	22.19	6.52	3
G8JL63	Protein unc-79 homolog	0.57	1	2	275.20	6.44	1
H3BIX7	Calcium-transporting ATPase type 2C member 1	1.62	1	1	101.23	7.44	1
H3BJ16	Protein 0610031J06Rik (Fragment)	55.84	1	1	8.51	8.32	1
H3BJF7	Uncharacterized protein (Fragment)	15.75	1	4	14.22	6.13	2
H3BJI7	Protein Mettl7a2Higd1c	14.92	2	48	20.60	8.54	6
H3BJK6	Alpha-1,2-mannosyltransferase ALG9 (Fragment)	37.93	1	1	9.88	6.92	1
H3BJL3	Protein unc-13 homolog A (Fragment)	6.3	1	1	27.94	5.44	1
H3BJP2	S-formylglutathione hydrolase (Fragment)	53.04	7	163	27.11	6.86	6

H3BJV2	A-kinase anchor protein 7 isoform alpha (Fragment)	17.46	1	3	13.56	7.21	3
H3BK03	Serum paraoxonase/arylesterase 1 (Fragment)	20.76	3	144	26.46	5.57	6
H3BK50	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta is	37.63	1	1	10.16	8.51	1
H3BKK3	Zinc finger homeobox protein 4 (Fragment)	1.37	1	1	112.23	6.42	1
H3BKN0	tRNA (cytosine(34)-C(5))-methyltransferase	2.63	1	1	81.32	6.77	1
H3BKR2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1 (Fragmen	4.76	1	4	30.18	6.21	3
H3BKR8	T-complex protein 1 subunit theta	18.31	1	8	7.66	8.32	2
H3BKX8	Integrin alpha-D	1.97	1	1	127.10	6.48	1
H3BL23	Ubiquitin-conjugating enzyme E2 E2 (Fragment)	15.75	1	1	15.87	7.75	1
H3BL34	Carboxylesterase 1E	4.28	1	1	61.47	6.15	1
H3BL49	T-complex protein 1 subunit theta	5.93	2	14	53.05	5.50	3
H3BL56	Rho-related GTP-binding protein RhoC	10.07	1	2	17.04	5.00	1
H7BWX9	Small ubiquitin-related modifier 2	41.51	1	1	6.01	8.91	1
H7BX32	Nuclear envelope pore membrane protein POM 121	2.92	1	1	120.82	10.20	1
H7BX99	Prothrombin	3.08	1	1	70.17	6.43	1
H9H9R6	Tyrosine-protein kinase RYK	5.92	1	2	66.01	7.14	2
I7HJI3	Protein Serpinb6e	10.26	1	1	48.93	6.23	1
I7HLV2	60S ribosomal protein L10 (Fragment)	25.37	3	53	23.06	10.01	5
J3KML6	Protein Gm20830	6.17	1	5	26.12	9.06	2
J3QK40	Protein Gm8674	2.52	1	6	115.65	8.75	4
J3QMI8	Protein Gm21827	17.14	1	1	15.92	5.52	1
J3QMK1	Protein Gm4975	1.54	1	3	130.40	8.50	2
J3QN51	MCG8382, isoform CRA_d	13.56	1	40	13.02	8.73	6
J3QN87	Eukaryotic translation initiation factor 1 (Fragment)	27.78	2	13	10.35	8.92	6
J3QNG0	MCG15755	24.76	7	1037	46.56	8.22	6
J3QNY6	Bile salt export pump	3.79	2	24	146.65	7.46	6
J3QPA0	Protein Gm6686	34.88	1	1	10.40	9.31	1
J3QPX3	MCG1125	23.16	1	1	10.43	9.79	1
K3W4M2	Ryanodine receptor 1	0.46	1	1	564.53	5.27	1
K7N688	MCG1036591	6.93	1	1	35.22	9.57	1
K7N6J6	Taste receptor type 2	10.82	1	2	34.46	9.25	1
K7N6S3	Protein Gm4778	6.93	1	1	40.98	6.92	1
K7N702	Protein Vmn2r70	4.57	1	1	97.36	8.21	1
K9J7B2	Protein Ugt1a6b	4.14	1	19	60.45	8.69	5

K9J7F4	Protein Gm5725	13.68	1	1	34.35	9.42	1
L7N1Y0	Protein Dnah7b	0.69	1	1	466.39	6.28	1
L7N217	Protein Vmn2r12	4.45	1	1	94.63	6.92	1
L7N240	Protein Gm6139	18.55	4	118	24.22	9.67	6
L7N241	Uncharacterized protein	18.92	1	1	11.61	6.52	1
L7N2A0	Protein Vmn2r15	5.15	1	1	97.13	6.96	1
L7N2B0	Protein Gm8220	6.86	1	7	21.27	9.88	4
L7N2B3	Protein Vmn2r68	4	1	1	97.59	8.07	1
L7N2E1	Protein Vmn2r44	3.48	1	1	98.65	8.07	1
M0QW48	Methionine aminopeptidase 2 (Fragment)	5.58	1	6	25.64	5.66	3
M0QW64	Protein Kcnh6	1.68	1	4	86.50	8.29	3
O08553	Dihydropyrimidinase-related protein 2	5.42	2	93	62.24	6.38	6
O08573-2	Isoform Short of Galectin-9	10.56	3	122	36.52	8.69	6
O08582	GTP-binding protein 1	3.44	1	1	72.25	8.29	1
O08601	Microsomal triglyceride transfer protein large subunit	1.01	1	5	99.04	7.62	2
O08674	Recombining binding protein suppressor of hairless-like protein	5.63	1	1	56.74	6.95	1
O08677-2	Isoform LMW of Kininogen-1	2.55	1	1	47.87	6.09	1
O08709	Peroxiredoxin-6	22.77	3	32	24.85	6.01	1
O08749	Dihydrolipoyl dehydrogenase, mitochondrial	11.79	3	55	54.24	7.90	6
O08756	3-hydroxyacyl-CoA dehydrogenase type-2	11.11	3	74	27.40	8.41	6
O08784	Treacle protein	3.26	2	2	134.92	9.35	1
O08792	Transcription factor COE2	2.78	1	1	62.57	9.06	1
O08795	Glucosidase 2 subunit beta	7.49	1	3	58.76	4.46	3
O08842	GDNF family receptor alpha-2	5.82	1	1	51.69	7.75	1
O08852	Polycystin-1	0.7	1	1	466.28	5.87	1
O08912	Polypeptide N-acetylgalactosaminyltransferase 1	4.47	1	1	64.21	7.71	1
O08914	Fatty-acid amide hydrolase 1	3.8	1	1	63.18	7.87	1
O09000	Nuclear receptor coactivator 3	2.5	1	3	151.48	7.77	2
O09159	Lysosomal alpha-mannosidase	1.88	1	12	114.58	8.13	4
O09173	Homogentisate 1,2-dioxygenase	36.63	13	574	49.93	7.24	6
O35054	Claudin-4	18.1	1	1	22.32	8.29	1
O35136-2	Isoform Short of Neural cell adhesion molecule 2	3.16	1	1	81.16	6.51	1
O35161	Cadherin EGF LAG seven-pass G-type receptor 1	1.09	1	3	330.26	5.88	2
O35214	Visual pigment-like receptor peropsin	10.09	1	2	37.18	8.50	1

O35215	D-dopachrome decarboxylase	38.98	3	196	13.07	6.54	6
O35227	Disintegrin and metalloproteinase domain-containing protein 7	1.52	1	3	89.13	6.38	2
O35235-3	Isoform 3 of Tumor necrosis factor ligand superfamily member 11	21.11	1	1	22.14	8.57	1
O35298	Acyloxyacyl hydrolase	5.92	1	1	65.11	6.98	1
O35308	Monocarboxylate transporter 3	8.13	1	1	51.52	6.68	1
O35309	N-myc-interactor	13.06	1	1	35.21	5.05	1
O35367	Keratocan	10.26	1	1	40.38	6.24	1
O35423-2	Isoform Peroxisomal of Serine--pyruvate aminotransferase, mitochondrial	7.91	2	5	43.49	7.39	4
O35459	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	19.88	2	3	36.10	7.71	2
O35465	Peptidyl-prolyl cis-trans isomerase FKBP8	3.48	1	4	43.50	5.16	2
O35490	Betaine--homocysteine S-methyltransferase 1	45.21	19	5470	44.99	7.90	6
O35633-2	Isoform 2 of Vesicular inhibitory amino acid transporter	3.07	1	2	56.81	6.90	2
O35638	Cohesin subunit SA-2	4.47	2	4	141.19	5.43	2
O35716	Suppressor of cytokine signaling 1	17.45	1	1	23.70	11.11	1
O35718	Suppressor of cytokine signaling 3	10.67	1	42	24.76	8.81	6
O35945	Aldehyde dehydrogenase, cytosolic 1	16.97	1	18	54.55	7.71	1
O35963	Ras-related protein Rab-33B	6.11	1	1	25.75	7.69	1
O35969	Guanidinoacetate N-methyltransferase	8.9	1	5	26.32	5.71	2
O54908	Dickkopf-related protein 1	5.51	1	12	29.28	8.34	5
O54943	Period circadian protein homolog 2	3.58	1	1	135.80	6.28	1
O54972-2	Isoform 2 of Protein CBFA2T3	6.62	1	1	61.62	7.21	1
O55022	Membrane-associated progesterone receptor component 1	20.51	1	1	21.68	4.70	1
O55029	Coatomer subunit beta'	2.87	1	1	102.38	5.30	1
O55137	Acyl-coenzyme A thioesterase 1	10.98	1	1	46.11	6.58	1
O55143	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	7.18	4	45	114.78	5.34	5
O55196	Enamelin	3.14	1	1	140.87	8.76	1
O55201-2	Isoform 2 of Transcription elongation factor SPT5	2.93	1	1	98.25	7.15	1
O70133-3	Isoform 3 of ATP-dependent RNA helicase A	2.32	1	9	125.54	7.06	4
O70194	Eukaryotic translation initiation factor 3 subunit D	9.31	3	12	63.95	6.05	4
O70250	Phosphoglycerate mutase 2	6.32	1	10	28.81	8.50	5
O70251	Elongation factor 1-beta	10.67	1	1	24.68	4.69	1
O70318	Band 4.1-like protein 2	2.63	1	1	109.87	5.43	1
O70472	Transmembrane protein 131	1.33	1	1	204.52	8.54	1
O70475	UDP-glucose 6-dehydrogenase	18.66	6	220	54.80	7.56	6

O70546	Lysine-specific demethylase 6A	2.64	1	1	154.26	7.39	1
O70551	SRSF protein kinase 1	4.32	2	2	73.04	6.19	1
O88196-5	Isoform 5 of E3 ubiquitin-protein ligase TTC3	0.82	1	1	176.96	6.14	1
O88342	WD repeat-containing protein 1	6.93	2	17	66.36	6.60	5
O88343-3	Isoform 3 of Electrogenic sodium bicarbonate cotransporter 1	14.65	1	2	17.82	5.41	1
O88398	Advillin	2.81	1	1	91.97	5.54	1
O88428	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 2	6.28	2	5	70.31	7.58	2
O88444	Adenylate cyclase type 1	2.59	1	4	123.29	8.47	2
O88451	Retinol dehydrogenase 7	23.42	3	472	35.64	8.09	6
O88455	7-dehydrocholesterol reductase	2.76	1	11	53.88	8.35	4
O88587-2	Isoform Soluble of Catechol O-methyltransferase	14.86	2	46	24.69	5.47	5
O88632-2	Isoform A of Semaphorin-3F	4.64	1	1	85.13	8.05	1
O88700	Bloom syndrome protein homolog	2.68	1	1	158.27	7.27	1
O88708	Origin recognition complex subunit 4	3	1	1	49.95	7.15	1
O88844	Isocitrate dehydrogenase [NADP] cytoplasmic	22.95	10	202	46.64	7.17	6
O88907	E3 SUMO-protein ligase PIAS1	5.84	1	1	71.57	7.28	1
O88935-1	Isoform Ib of Synapsin-1	3.28	1	1	69.99	9.83	1
O89023	Tripeptidyl-peptidase 1	3.2	1	1	61.30	6.57	1
P00186	Cytochrome P450 1A2	23.98	5	106	58.15	8.76	6
P00329	Alcohol dehydrogenase 1	32.53	8	411	39.75	8.10	6
P00397	Cytochrome c oxidase subunit 1	6.23	1	6	56.82	6.70	3
P00687	Alpha-amylase 1	7.05	1	1	57.61	6.96	1
P01027	Complement C3	3.07	4	68	186.37	6.73	3
P01027-2	Isoform Short of Complement C3	8.04	3	39	60.91	5.63	3
P01132	Pro-epidermal growth factor	2.3	1	1	132.99	6.46	1
P01592	Immunoglobulin J chain	8.81	1	1	18.00	4.89	1
P01867-2	Isoform 2 of Ig gamma-2B chain C region	13.43	2	12	36.56	7.36	3
P01872	Ig mu chain C region	10.13	3	36	49.94	7.01	6
P01942	Hemoglobin subunit alpha	38.73	3	86	15.08	8.22	6
P03899	NADH-ubiquinone oxidoreductase chain 3	13.04	1	5	13.21	4.64	3
P03921	NADH-ubiquinone oxidoreductase chain 5	6.92	1	1	68.39	9.03	1
P04444	Hemoglobin subunit beta-H1	14.97	1	1	16.48	8.66	1
P04627	Serine/threonine-protein kinase A-Raf	3.81	1	1	67.54	9.11	1
P04756	Acetylcholine receptor subunit alpha	5.47	1	2	51.90	5.97	1

P05064	Fructose-bisphosphate aldolase A	9.07	1	9	39.33	8.09	4
P05201	Aspartate aminotransferase, cytoplasmic	6.3	1	1	46.22	7.14	1
P05202	Aspartate aminotransferase, mitochondrial	23.49	7	493	47.38	9.00	6
P05214	Tubulin alpha-3 chain	12.22	2	109	49.93	5.10	5
P06151	L-lactate dehydrogenase A chain	16.57	4	165	36.48	7.74	6
P06330	Ig heavy chain V region AC38 205.12	11.86	1	15	12.93	7.11	4
P06467	Hemoglobin subunit zeta	11.97	1	1	16.22	7.58	1
P06797	Cathepsin L1	6.29	1	1	37.52	6.83	1
P06801	NADP-dependent malic enzyme	42.83	10	221	63.91	7.44	6
P07724	Serum albumin	54.11	30	2146	68.65	6.07	6
P07901	Heat shock protein HSP 90-alpha	10.37	4	166	84.73	5.01	6
P08030	Adenine phosphoribosyltransferase	11.11	1	14	19.71	6.79	3
P08032	Spectrin alpha chain, erythrocytic 1	1.04	1	1	279.69	5.03	1
P08043-2	Isoform 2 of Zinc finger protein 2	4.32	1	2	39.79	8.78	2
P08103-2	Isoform 2 of Tyrosine-protein kinase HCK	5.95	1	2	57.04	7.05	2
P08121	Collagen alpha-1(III) chain	2.32	1	1	138.86	6.52	1
P08228	Superoxide dismutase [Cu-Zn]	53.9	3	130	15.93	6.51	6
P08249	Malate dehydrogenase, mitochondrial	28.4	10	525	35.59	8.68	6
P08775	DNA-directed RNA polymerase II subunit RPB1	0.86	1	1	217.04	7.37	1
P09041	Phosphoglycerate kinase 2	5.76	1	2	44.82	6.80	2
P09103	Protein disulfide-isomerase	8.84	3	6	57.02	4.88	3
P09411	Phosphoglycerate kinase 1	20.86	5	152	44.52	7.90	6
P09671	Superoxide dismutase [Mn], mitochondrial	9.01	1	2	24.59	8.62	2
P0C5E4	Phosphatidylinositol phosphatase PTPRQ	0.61	1	1	256.62	5.80	1
P0C6B7	Immunoglobulin superfamily member 6	13.08	1	1	26.34	8.73	1
P0C6F1	Dynein heavy chain 2, axonemal	0.99	2	13	511.24	6.43	4
P10085	Myoblast determination protein 1	11.64	1	3	34.21	5.57	3
P10126	Elongation factor 1-alpha 1	22.08	7	609	50.08	9.01	6
P10518	Delta-aminolevulinic acid dehydratase	17.27	3	27	36.00	6.79	6
P10605	Cathepsin B	8.26	1	10	37.26	5.91	5
P10649	Glutathione S-transferase Mu 1	18.35	5	289	25.95	7.94	6
P10711-2	Isoform 1 of Transcription elongation factor A protein 1	7.89	1	1	29.91	8.06	1
P11034	Mast cell protease 1	5.28	1	2	27.00	7.75	2
P11352	Glutathione peroxidase 1	48.26	6	114	22.32	7.21	6

P11499	Heat shock protein HSP 90-beta	11.6	6	473	83.23	5.03	6
P11589	Major urinary protein 2	12.78	1	4	20.65	5.11	3
P11679	Keratin, type II cytoskeletal 8	3.67	1	1	54.53	5.82	1
P11714	Cytochrome P450 2D9	15.67	3	41	56.91	6.21	6
P12382	6-phosphofructokinase, liver type	1.92	1	4	85.31	7.17	3
P12399	Protein CTLA-2-alpha	25.55	1	1	15.87	5.34	1
P12710	Fatty acid-binding protein, liver	18.11	4	116	14.24	8.56	6
P12791-2	Isoform 2 of Cytochrome P450 2B10	2.65	1	4	55.70	7.59	2
P12960	Contactin-1	2.45	1	1	113.32	6.16	1
P13542	Myosin-8	1.34	1	1	222.57	5.83	1
P13864	DNA (cytosine-5)-methyltransferase 1	1.3	1	1	183.07	7.74	1
P14094	Sodium/potassium-transporting ATPase subunit beta-1	4.28	1	9	35.17	8.65	2
P14115	60S ribosomal protein L27a	14.86	1	38	16.60	11.12	6
P14148	60S ribosomal protein L7	8.52	1	4	31.40	10.89	2
P14152	Malate dehydrogenase, cytoplasmic	11.98	4	542	36.49	6.58	6
P14206	40S ribosomal protein SA	15.59	3	209	32.82	4.87	6
P14211	Calreticulin	16.35	5	52	47.96	4.49	6
P14428	H-2 class I histocompatibility antigen, K-Q alpha chain (Fragment)	6.4	1	49	36.83	6.39	6
P14873	Microtubule-associated protein 1B	1.46	1	1	270.09	4.83	1
P15105	Glutamine synthetase	41.02	9	502	42.09	7.08	6
P15209-4	Isoform L10 of BDNF/NT-3 growth factors receptor	6.14	1	1	83.69	6.24	1
P15261	Interferon gamma receptor 1	4.19	1	1	52.31	5.53	1
P16015	Carbonic anhydrase 3	14.62	3	176	29.35	7.37	6
P16331	Phenylalanine-4-hydroxylase	18.32	7	255	51.87	6.30	6
P16332	Methylmalonyl-CoA mutase, mitochondrial	10.16	4	38	82.79	6.89	5
P16675	Lysosomal protective protein	4.22	1	2	53.81	5.86	1
P17141	Zinc finger protein 37	2.19	1	3	67.18	8.82	2
P17563	Selenium-binding protein 1	15.04	5	255	52.48	6.29	3
P17717	UDP-glucuronosyltransferase 2B17	5.85	1	5	60.82	7.87	3
P17742	Peptidyl-prolyl cis-trans isomerase A	35.37	4	319	17.96	7.90	6
P17751	Triosephosphate isomerase	29.43	5	145	32.17	5.74	6
P18760	Cofilin-1	22.89	3	82	18.55	8.09	6
P18893	Interleukin-10	14.04	1	2	20.63	8.18	1
P19096	Fatty acid synthase	14.46	17	343	272.26	6.58	6

P19157	Glutathione S-transferase P 1	17.14	1	8	23.59	7.87	3
P19639	Glutathione S-transferase Mu 3	11.47	1	2	25.68	7.77	1
P20060	Beta-hexosaminidase subunit beta	3.36	1	2	61.08	8.12	2
P20108	Thioredoxin-dependent peroxide reductase, mitochondrial	12.06	1	1	28.11	7.58	1
P20152	Vimentin	4.51	1	1	53.66	5.12	1
P20239	Zona pellucida sperm-binding protein 2	5.05	1	1	80.16	6.57	1
P20852	Cytochrome P450 2A5	2.43	2	4	56.70	9.20	2
P20918	Plasminogen	9.11	3	70	90.75	6.60	6
P20937	T-cell surface glycoprotein YE1/48	4.96	1	2	30.48	8.34	1
P21614	Vitamin D-binding protein	20.59	5	180	53.56	5.50	6
P21981	Protein-glutamine gamma-glutamyltransferase 2	4.52	2	56	77.01	5.10	6
P22315	Ferrochelatase, mitochondrial	5.71	1	62	47.10	8.91	6
P22727	Protein Wnt-6	5.77	1	1	39.63	8.66	1
P23440-2	Isoform 2 of Rod cGMP-specific 3',5'-cyclic phosphodiesterase subunit beta	4	1	1	92.27	5.25	1
P24270	Catalase	25.24	13	1425	59.76	7.88	6
P24456	Cytochrome P450 2D10	13.69	4	146	57.20	6.61	6
P24527	Leukotriene A-4 hydrolase	1.96	1	17	69.01	6.42	4
P24549	Retinal dehydrogenase 1	27.94	6	294	54.43	7.80	6
P25085	Interleukin-1 receptor antagonist protein	19.66	1	1	20.26	6.19	1
P25318-2	Isoform 2 of Collagen alpha-2(VIII) chain	2.95	1	7	61.79	9.31	5
P25688	Uricase	18.81	5	100	35.02	8.35	1
P26039	Talin-1	1.97	3	9	269.65	6.18	2
P26443	Glutamate dehydrogenase 1, mitochondrial	24.73	13	919	61.30	8.00	6
P26638	Serine--tRNA ligase, cytoplasmic	5.47	2	5	58.35	6.30	2
P27046	Alpha-mannosidase 2	1.13	1	10	131.55	8.03	4
P27659	60S ribosomal protein L3	3.23	1	24	46.08	10.21	4
P27773	Protein disulfide-isomerase A3	10.89	4	76	56.64	6.21	4
P27889-3	Isoform 3 of Hepatocyte nuclear factor 1-beta	3.45	1	1	48.31	9.47	1
P28271	Cytoplasmic aconitate hydratase	9.34	3	24	98.06	7.50	6
P28474	Alcohol dehydrogenase class-3	28.61	6	344	39.52	7.25	6
P28481-2	Isoform 3 of Collagen alpha-1(II) chain	2.95	1	1	131.78	8.25	1
P28650	Adenylosuccinate synthetase isozyme 1	5.69	1	1	50.22	8.43	1
P28660	Nck-associated protein 1	3.55	1	1	128.70	6.62	1
P28665	Murinoglobulin-1	2.85	3	26	165.19	6.42	2



P28666	Murinoglobulin-2	1.65	2	69	162.28	6.74	4
P28798	Granulins	2.72	1	1	63.41	6.80	1
P28828	Receptor-type tyrosine-protein phosphatase mu	1.31	1	1	163.55	6.68	1
P28843	Dipeptidyl peptidase 4	2.37	1	2	87.38	6.42	2
P29351-3	Isoform 3 of Tyrosine-protein phosphatase non-receptor type 6	5.58	1	1	63.14	7.24	1
P29699	Alpha-2-HS-glycoprotein	26.09	4	107	37.30	6.51	6
P29758	Ornithine aminotransferase, mitochondrial	33.71	7	337	48.32	6.62	6
P29788	Vitronectin	6.69	2	38	54.81	5.88	6
P30115	Glutathione S-transferase A3	11.31	3	54	25.34	8.73	6
P30416	Peptidyl-prolyl cis-trans isomerase FKBP4	1.97	1	2	51.54	5.72	1
P30549	Substance-K receptor	3.65	1	2	43.09	8.68	1
P30658	Chromobox protein homolog 2	3.85	1	1	54.88	9.95	1
P31230	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1	12.58	1	1	33.98	8.35	1
P31809-3	Isoform 3 of Carcinoembryonic antigen-related cell adhesion molecule 1	4.99	1	4	37.25	6.23	3
P32020	Non-specific lipid-transfer protein	25.78	9	446	59.09	7.44	6
P33033	Melanocortin receptor 3	8.98	1	1	35.78	6.92	1
P33175	Kinesin heavy chain isoform 5A	3.99	1	1	116.95	5.94	1
P33267	Cytochrome P450 2F2	4.89	3	54	55.91	7.90	6
P34152-8	Isoform 8 of Focal adhesion kinase 1	14.14	1	1	23.05	6.86	1
P34884	Macrophage migration inhibitory factor	13.91	1	1	12.50	7.34	1
P34914-2	Isoform 2 of Bifunctional epoxide hydrolase 2	19.59	7	407	60.57	6.14	6
P35278	Ras-related protein Rab-5C	8.33	1	1	23.40	8.41	1
P35438-2	Isoform 2 of Glutamate receptor ionotropic, NMDA 1	4.18	1	1	99.36	7.85	1
P35486	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitocho	2.82	1	26	43.20	8.19	6
P35492	Histidine ammonia-lyase	19.33	6	113	72.21	6.34	6
P35505	Fumarylacetoacetase	11.93	5	95	46.15	7.18	6
P35546-2	Isoform 2 of Proto-oncogene tyrosine-protein kinase receptor Ret	3.36	1	1	119.39	7.06	1
P35564	Calnexin	3.89	1	5	67.24	4.64	3
P35576	Glucose-6-phosphatase	10.64	1	1	40.45	9.01	1
P35700	Peroxiredoxin-1	32.16	4	31	22.16	8.12	5
P35917	Vascular endothelial growth factor receptor 3	1.03	1	1	152.92	6.27	1
P35979	60S ribosomal protein L12	40	5	119	17.79	9.42	6
P36423	Thromboxane-A synthase	7.69	1	1	60.35	7.15	1
P36536	GTP-binding protein SAR1a	10.1	1	5	22.36	6.93	4

P36552	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial	10.16	4	27	49.68	8.53	5
P37040	NADPH--cytochrome P450 reductase	7.96	4	140	77.00	5.53	6
P38060	Hydroxymethylglutaryl-CoA lyase, mitochondrial	14.15	5	235	34.22	8.41	6
P38533-2	Isoform Beta of Heat shock factor protein 2	2.9	1	1	58.12	4.88	1
P39038	Cadherin-4	3.5	1	1	99.97	4.81	1
P39039-2	Isoform 2 of Mannose-binding protein A	9.93	1	1	15.59	7.30	1
P39061-2	Isoform 3 of Collagen alpha-1(XVIII) chain	2.97	2	9	134.12	6.00	4
P39876	Metalloproteinase inhibitor 3	15.17	1	1	24.17	8.76	1
P40124	Adenylyl cyclase-associated protein 1	5.7	2	33	51.53	7.52	4
P40142	Transketolase	17.17	6	51	67.59	7.50	6
P40223	Granulocyte colony-stimulating factor receptor	1.91	1	1	93.32	5.48	1
P40764	Homeobox protein DLX-2	12.05	1	1	34.72	9.23	1
P40936	Indolethylamine N-methyltransferase	14.39	4	82	29.44	6.39	6
P41233	ATP-binding cassette sub-family A member 1	2.7	2	4	253.75	6.81	3
P41245	Matrix metalloproteinase-9	4.93	1	1	80.48	6.09	1
P41317	Mannose-binding protein C	5.74	1	38	25.94	5.06	6
P42227-2	Isoform Stat3B of Signal transducer and activator of transcription 3	5.26	1	1	83.07	7.12	1
P42580	NK1 transcription factor-related protein 2	12.79	1	1	31.99	6.70	1
P43430	Mast cell protease 8	4.86	1	1	27.10	9.03	1
P43883	Perilipin-2	4.47	1	3	46.62	6.87	2
P45591	Cofilin-2	28.31	3	12	18.70	7.88	4
P45952	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial	7.13	3	48	46.45	8.37	3
P46425	Glutathione S-transferase P 2	7.62	1	1	23.52	7.87	1
P46467	Vacuolar protein sorting-associated protein 4B	8.11	1	1	49.39	7.11	1
P46471	26S protease regulatory subunit 7	6.47	2	3	48.62	5.95	2
P46656	Adrenodoxin, mitochondrial	5.85	2	26	20.11	5.62	6
P47199	Quinone oxidoreductase	20.54	5	208	35.25	8.07	6
P47212	Galanin peptides	22.58	1	1	13.46	6.54	1
P47738	Aldehyde dehydrogenase, mitochondrial	25.05	8	235	56.50	7.62	6
P47740	Fatty aldehyde dehydrogenase	5.79	1	4	53.94	8.35	4
P47791-2	Isoform Cytoplasmic of Glutathione reductase, mitochondrial	6.75	2	28	51.04	7.39	5
P47806	Zinc finger protein GLI1	2.97	1	2	118.49	7.43	1
P47955	60S acidic ribosomal protein P1	37.72	1	10	11.47	4.32	6
P47964	60S ribosomal protein L36	13.33	1	5	12.21	11.34	3

P48318	Glutamate decarboxylase 1	4.05	1	1	66.61	7.17	1
P48320	Glutamate decarboxylase 2	8.03	2	6	65.18	6.90	4
P48432	Transcription factor SOX-2	8.15	1	1	34.43	9.82	1
P48678	Prelamin-A/C	5.86	1	2	74.19	6.98	1
P48758	Carbonyl reductase [NADPH] 1	5.78	2	56	30.62	8.31	6
P48967	M-phase inducer phosphatase 3	9.62	1	1	50.01	6.83	1
P49429	4-hydroxyphenylpyruvate dioxygenase	21.63	6	327	45.03	7.06	6
P49442	Inositol polyphosphate 1-phosphatase	11.36	1	1	43.32	5.01	1
P49718	DNA replication licensing factor MCM5	4.09	1	2	82.29	8.43	2
P49935	Pro-cathepsin H	12.01	2	20	37.15	8.40	6
P50247	Adenosylhomocysteinase	25	6	492	47.66	6.54	6
P50516-2	Isoform 2 of V-type proton ATPase catalytic subunit A	4.72	1	1	55.56	5.91	1
P51174	Long-chain specific acyl-CoA dehydrogenase, mitochondrial	11.86	6	401	47.88	8.31	6
P51660	Peroxisomal multifunctional enzyme type 2	17.01	6	278	79.43	8.57	6
P51827-2	Isoform 2 of AF4/FMR2 family member 3	3.2	1	1	60.72	6.05	1
P51881	ADP/ATP translocase 2	19.8	7	503	32.91	9.73	6
P52196	Thiosulfate sulfurtransferase	11.45	5	230	33.44	7.85	6
P52479	Ubiquitin carboxyl-terminal hydrolase 10	3.16	1	2	86.97	5.17	2
P52480	Pyruvate kinase PKM	2.45	1	25	57.81	7.47	5
P52760	Ribonuclease UK114	34.81	3	66	14.25	8.68	6
P52792	Glucokinase	7.31	2	5	52.05	5.29	2
P52825	Carnitine O-palmitoyltransferase 2, mitochondrial	2.74	1	44	73.93	8.37	6
P53395	Lipoamide acyltransferase component of branched-chain alpha-keto acid deh	5.39	1	76	53.21	8.60	6
P53798	Squalene synthase	3.13	1	1	48.12	6.32	1
P53994	Ras-related protein Rab-2A	12.26	1	1	23.53	6.54	1
P54071	Isocitrate dehydrogenase [NADP], mitochondrial	18.14	6	107	50.87	8.69	6
P54869	Hydroxymethylglutaryl-CoA synthase, mitochondrial	10.24	4	258	56.79	8.41	6
P55096	ATP-binding cassette sub-family D member 3	2.28	1	38	75.43	9.26	6
P55264-2	Isoform Short of Adenosine kinase	25.8	10	1077	38.43	6.04	6
P56213	FAD-linked sulfhydryl oxidase ALR	12.12	1	1	22.86	7.93	1
P56391	Cytochrome c oxidase subunit 6B1	58.14	6	426	10.06	8.72	6
P56593	Cytochrome P450 2A12	13.21	4	95	56.14	9.19	6
P56654	Cytochrome P450 2C37	7.76	1	20	55.57	7.11	1
P58137	Acyl-coenzyme A thioesterase 8	10	2	2	35.80	7.64	1

P58252	Elongation factor 2	21.91	13	700	95.25	6.83	6
P58459	A disintegrin and metalloproteinase with thrombospondin motifs 10	1.45	1	1	121.01	8.00	1
P58710	L-gulonolactone oxidase	14.09	5	368	50.45	8.24	6
P58871	182 kDa tankyrase-1-binding protein	1.74	1	1	181.71	4.88	1
P59240	Nephrocystin-4	2.53	1	1	157.17	7.77	1
P59242-2	Isoform 2 of Cingulin	2.03	1	1	135.56	5.86	1
P59281-2	Isoform 2 of Rho GTPase-activating protein 39	2.6	1	1	121.40	7.52	1
P59325	Eukaryotic translation initiation factor 5	4.66	2	42	48.94	5.52	6
P59384	A disintegrin and metalloproteinase with thrombospondin motifs 15	1.47	1	3	103.87	8.66	2
P60335	Poly(rC)-binding protein 1	17.98	4	55	37.47	7.09	6
P60670-2	Isoform 2 of Nuclear protein localization protein 4 homolog	5.38	1	4	64.34	6.60	2
P60766	Cell division control protein 42 homolog	6.81	2	6	21.25	6.55	2
P60766-1	Isoform 1 of Cell division control protein 42 homolog	6.81	1	1	21.30	6.04	1
P60843	Eukaryotic initiation factor 4A-I	5.67	1	1	46.12	5.48	1
P60867	40S ribosomal protein S20	9.24	1	41	13.36	9.94	6
P61161	Actin-related protein 2	9.14	2	25	44.73	6.74	5
P61315	Galactose-3-O-sulfotransferase 3	5.1	1	1	49.25	9.76	1
P61407	Tudor domain-containing protein 6	1.5	1	1	237.76	5.36	1
P61514	60S ribosomal protein L37a	13.04	1	51	10.27	10.43	6
P61809	Cyclin-dependent kinase 5 activator 1	6.19	1	1	34.01	9.35	1
P61922-2	Isoform 2 of 4-aminobutyrate aminotransferase, mitochondrial	14.64	8	142	50.20	8.51	6
P61982	14-3-3 protein gamma	11.74	1	1	28.28	4.89	1
P62075	Mitochondrial import inner membrane translocase subunit Tim13	16.84	1	2	10.45	8.18	2
P62242	40S ribosomal protein S8	27.88	6	118	24.19	10.32	6
P62267	40S ribosomal protein S23	20.28	3	28	15.80	10.49	6
P62281	40S ribosomal protein S11	24.68	2	69	18.42	10.30	6
P62334	26S protease regulatory subunit 10B	7.2	2	13	44.15	7.49	6
P62702	40S ribosomal protein S4, X isoform	11.03	2	48	29.58	10.15	5
P62717	60S ribosomal protein L18a	17.61	3	119	20.72	10.71	6
P62754	40S ribosomal protein S6	5.62	1	7	28.66	10.84	4
P62827	GTP-binding nuclear protein Ran	8.8	1	1	24.41	7.49	1
P62830	60S ribosomal protein L23	32.86	3	36	14.86	10.51	2
P62835	Ras-related protein Rap-1A	10.87	1	4	20.97	6.67	2
P62852	40S ribosomal protein S25	11.2	1	2	13.73	10.11	2

P62855	40S ribosomal protein S26	10.43	1	19	13.01	11.00	6
P62874	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	10.88	2	3	37.35	6.00	1
P62889	60S ribosomal protein L30	43.48	5	228	12.78	9.63	6
P62911	60S ribosomal protein L32	22.22	2	58	15.85	11.33	4
P62918	60S ribosomal protein L8	11.67	1	4	28.01	11.03	4
P62962	Profilin-1	6.43	1	10	14.95	8.28	2
P63001	Ras-related C3 botulinum toxin substrate 1	8.33	1	1	21.44	8.50	1
P63005-2	Isoform 2 of Platelet-activating factor acetylhydrolase IB subunit alpha	5.37	1	3	44.46	7.36	2
P63037	DnaJ homolog subfamily A member 1	5.29	2	16	44.84	7.08	2
P63038	60 kDa heat shock protein, mitochondrial	14.14	6	377	60.92	6.18	6
P63058-2	Isoform Alpha-1 of Thyroid hormone receptor alpha	9.27	2	4	46.76	7.64	2
P63242	Eukaryotic translation initiation factor 5A-1	27.27	3	7	16.82	5.24	1
P63276	40S ribosomal protein S17	8.89	1	31	15.51	9.85	5
P63321	Ras-related protein Ral-A	15.05	1	1	23.54	7.11	1
P63323	40S ribosomal protein S12	13.64	1	4	14.52	7.24	1
P67984	60S ribosomal protein L22	20.31	1	36	14.75	9.19	6
P68040	Guanine nucleotide-binding protein subunit beta-2-like 1	23.66	5	175	35.05	7.69	6
P68254-2	Isoform 2 of 14-3-3 protein theta	6.58	1	19	27.68	4.93	6
P68368	Tubulin alpha-4A chain	20.54	3	191	49.89	5.06	6
P68373	Tubulin alpha-1C chain	6.68	1	22	49.88	5.10	1
P70121	Zinc fingers and homeoboxes protein 1	2.86	1	1	97.49	5.99	1
P70166	Cytoplasmic polyadenylation element-binding protein 1	2.14	1	1	61.88	7.72	1
P70174	Histamine H1 receptor	4.1	1	1	55.65	9.32	1
P70194	C-type lectin domain family 4 member F	3.28	1	2	61.23	7.15	1
P70275	Semaphorin-3E	2.71	1	1	89.49	7.90	1
P70296	Phosphatidylethanolamine-binding protein 1	16.04	1	8	20.82	5.40	4
P70352-4	Isoform 4 of Ecto-ADP-ribosyltransferase 5	17.74	1	1	13.93	6.05	1
P70362	Ubiquitin fusion degradation protein 1 homolog	7.17	1	1	34.46	6.70	1
P70375	Coagulation factor VII	3.14	1	2	50.24	6.64	1
P70404	Isocitrate dehydrogenase [NAD] subunit gamma 1, mitochondrial	6.11	2	9	42.76	9.01	5
P70452	Syntaxin-4	6.04	1	2	34.14	6.14	1
P70697	Uroporphyrinogen decarboxylase	4.36	1	12	40.67	6.65	5
P80313	T-complex protein 1 subunit eta	7.9	3	55	59.61	7.84	6
P80316	T-complex protein 1 subunit epsilon	4.44	2	23	59.59	6.02	6

P80317	T-complex protein 1 subunit zeta	5.27	2	82	57.97	7.08	6
P84309	Adenylate cyclase type 5	1.74	1	11	139.03	7.06	5
P85094	Isochorismatase domain-containing protein 2A, mitochondrial	27.67	3	193	22.40	8.02	6
P86174	BEN domain-containing protein 4	2.96	1	1	58.68	5.92	1
P97326	Cadherin-6	2.66	1	1	88.30	5.00	1
P97328	Ketohexokinase	42.95	6	347	32.73	6.16	6
P97363	Serine palmitoyltransferase 2	3.39	1	1	62.94	8.18	1
P97364	Selenide, water dikinase 2	4.65	1	1	47.80	6.06	1
P97370	Sodium/potassium-transporting ATPase subunit beta-3	4.32	1	9	31.76	8.51	3
P97494	Glutamate--cysteine ligase catalytic subunit	4.55	2	39	72.53	5.90	6
P97742	Carnitine O-palmitoyltransferase 1, liver isoform	1.94	1	65	88.19	8.62	6
P97807-2	Isoform Cytoplasmic of Fumarate hydratase, mitochondrial	8.78	1	3	50.02	7.94	2
P97821	Dipeptidyl peptidase 1	4.33	1	1	52.34	6.89	1
P97872	Dimethylaniline monooxygenase [N-oxide-forming] 5	11.44	6	364	59.96	8.73	6
P97927	Laminin subunit alpha-4	2.26	1	1	201.69	6.21	1
P99024	Tubulin beta-5 chain	19.59	5	89	49.64	4.89	5
P99025	GTP cyclohydrolase 1 feedback regulatory protein	30.95	1	4	9.58	6.27	3
P99028	Cytochrome b-c1 complex subunit 6, mitochondrial	20.22	1	55	10.43	4.87	6
P99029-2	Isoform Cytoplasmic+peroxisomal of Peroxiredoxin-5, mitochondrial	40.74	6	307	17.00	7.87	6
Q00356	Mast cell protease-like protein	17.89	1	1	26.76	9.92	1
Q00519	Xanthine dehydrogenase/oxidase	4.04	3	31	146.47	7.56	6
Q00690	E-selectin	7.19	1	1	66.71	6.54	1
Q00724	Retinol-binding protein 4	19.4	2	12	23.19	5.99	5
Q00PI9	Heterogeneous nuclear ribonucleoprotein U-like protein 2	2.01	1	44	84.89	4.89	6
Q01149	Collagen alpha-2(I) chain	1.31	1	3	129.48	9.19	2
Q01279	Epidermal growth factor receptor	4.79	3	9	134.77	6.86	1
Q01339	Beta-2-glycoprotein 1	2.9	1	1	38.59	8.22	1
Q01853	Transitional endoplasmic reticulum ATPase	16.13	9	676	89.27	5.26	6
Q02053	Ubiquitin-like modifier-activating enzyme 1	1.23	1	10	117.73	5.66	4
Q02284	5-hydroxytryptamine receptor 1F	8.47	1	1	41.95	8.94	1
Q02844-2	Isoform 2 of Tryptase	84.78	1	1	4.89	8.03	1
Q03142-2	Isoform 2 of Fibroblast growth factor receptor 4	3.05	1	1	83.28	6.80	1
Q04592	Proprotein convertase subtilisin/kexin type 5	0.8	1	1	209.12	6.09	1
Q04692-2	Isoform 2 of SWI/SNF-related matrix-associated actin-dependent regulator o	4.9	1	1	95.73	6.98	1

Q04744	Homeobox protein EMX2	7.51	1	1	28.36	9.82	1
Q05421	Cytochrome P450 2E1	6.49	4	125	56.77	8.40	6
Q05685	Folate receptor beta	11.95	1	1	28.80	7.55	1
Q05816	Fatty acid-binding protein, epidermal	10.37	1	19	15.13	6.54	4
Q07076	Annexin A7	3.24	1	12	49.89	6.18	4
Q07105	Growth/differentiation factor 9	4.08	1	1	49.62	8.27	1
Q07113	Cation-independent mannose-6-phosphate receptor	1.25	1	1	273.64	5.71	1
Q07417	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	24.76	6	177	44.86	8.47	6
Q07456	Protein AMBP	8.88	3	83	39.00	6.32	6
Q08857	Platelet glycoprotein 4	5.08	1	7	52.66	8.35	2
Q08EB1	4933432B09Rik protein	10.04	1	6	31.33	9.50	5
Q08EC4-3	Isoform 3 of Cas scaffolding protein family member 4	2.04	1	1	75.53	6.71	1
Q0GA42	Metal transporter CNNM1	2.1	1	1	103.92	6.51	1
Q0GGX2	Zinc finger protein 541	3.3	1	1	148.20	7.42	1
Q0KL02-3	Isoform 3 of Triple functional domain protein	1.17	1	1	288.53	6.35	1
Q0P5X1	Leucine-rich repeat and IQ domain-containing protein 1	0.78	1	2	191.69	5.66	2
Q0VGM9-4	Isoform 4 of Regulator of telomere elongation helicase 1	2.04	1	1	125.75	8.15	1
Q0VGT2	Zinc finger protein GLI2	2.4	1	1	164.93	7.42	1
Q0VGY8-2	Isoform 2 of Protein TANC1	3.74	1	1	107.54	6.93	1
Q149L0	Dehydrogenase/reductase member 2	19.86	2	2	30.04	9.10	1
Q14AM7	UPF0472 protein C16orf72 homolog	10.18	1	1	30.92	7.91	1
Q14DK4-2	Isoform 2 of Glycerol-3-phosphate acyltransferase 2, mitochondrial	4.52	1	1	88.66	7.08	1
Q14DK5-2	Isoform 2 of HHIP-like protein 1	4.5	1	1	71.62	5.95	1
Q1WNQ6	Myosin-1 (Fragment)	22.11	1	2	10.47	5.25	2
Q2EMV9	Poly [ADP-ribose] polymerase 14	1.21	1	1	203.67	6.79	1
Q2KHI9	DNA helicase MCM9	1.94	1	1	125.74	7.37	1
Q2MHE5	Docking protein 6	6.65	1	1	38.26	8.48	1
Q2QI47	Usherin	0.6	1	1	569.30	6.81	1
Q2TL60	Zinc finger protein 667	1.97	1	6	70.22	9.73	3
Q2TV84-2	Isoform 2 of Transient receptor potential cation channel subfamily M membe	2.85	1	1	82.71	7.64	1
Q32NY6	COUP transcription factor 1	8.81	1	1	45.87	8.25	1
Q3KNY0-4	Isoform 4 of Immunoglobulin-like and fibronectin type III domain-containing	2.81	1	1	149.09	7.36	1
Q3KQJ0	Transmembrane protein 69	15.1	1	1	27.29	9.86	1
Q3KQM4	Splicing factor U2AF 65 kDa subunit	9.45	1	1	33.88	5.03	1

Q3TAP4	AP-5 complex subunit beta-1	4.22	1	2	94.62	6.07	1
Q3TBW2	39S ribosomal protein L10, mitochondrial	7.25	1	1	29.38	9.69	1
Q3TCN2	Putative phospholipase B-like 2	3.2	1	1	66.25	6.13	1
Q3TDD9	Protein phosphatase 1 regulatory subunit 21	2.05	1	2	88.28	6.90	2
Q3TDE2	MCG131701, isoform CRA_b	8.93	1	1	32.12	6.93	1
Q3TJ56	Staphylococcal nuclease domain-containing protein 1	9.05	4	18	67.65	9.20	2
Q3TJI8	Corticosteroid 11-beta-dehydrogenase isozyme 1	10.31	3	116	28.67	8.72	6
Q3TN90	Peroxisomal membrane protein 11C	19.31	1	1	16.57	8.10	1
Q3TNA1	Xylulose kinase	6.9	2	29	59.51	6.90	6
Q3TPJ7-3	Isoform 3 of Midnolin	8.28	1	2	53.78	9.96	1
Q3TQI7	Uncharacterized protein C9orf78 homolog	10.03	1	1	33.52	6.34	1
Q3TR09	Zinc finger protein 536 (Fragment)	14.23	1	1	29.19	4.59	1
Q3TS02	ATP-citrate synthase	2.24	1	1	53.67	7.06	1
Q3TTE0-4	Isoform 4 of Disintegrin and metalloproteinase domain-containing protein 5	4.46	1	1	78.50	7.02	1
Q3TWV4	AP-2 complex subunit mu	3.46	1	2	49.36	9.54	1
Q3TYW3	Protein BC023829	11.18	1	1	37.20	7.20	1
Q3U0B3	Dehydrogenase/reductase SDR family member 11	9.23	1	1	28.26	6.34	1
Q3U0M1-5	Isoform 5 of Trafficking protein particle complex subunit 9	3.44	1	1	56.20	7.65	1
Q3U1J4	DNA damage-binding protein 1	1.58	1	1	126.77	5.26	1
Q3U288-2	Isoform 2 of Zinc finger protein 710	3.31	1	1	74.57	7.65	1
Q3U3D7-3	Isoform 3 of Transmembrane protein 131-like	1.37	1	1	168.85	6.83	1
Q3U4F0	Sideroflexin-3	6.76	1	5	30.93	8.98	3
Q3U4G3	Xyloside xylosyltransferase 1	7.65	1	1	43.81	7.78	1
Q3U4S0	Pantothenate kinase 2 (Hallervorden-Spatz syndrome)	8.8	1	1	48.60	8.44	1
Q3U4W8	Ubiquitin carboxyl-terminal hydrolase	3.47	1	4	93.30	5.06	2
Q3U7K7	E3 ubiquitin-protein ligase TRIM21	2.81	1	2	53.29	6.70	2
Q3U8K7-2	Isoform 2 of Histone-lysine N-methyltransferase SUV420H1	6.6	1	1	44.69	8.63	1
Q3UDK1-2	Isoform 2 of TRAF-type zinc finger domain-containing protein 1	3.13	1	1	63.82	5.41	1
Q3UEG6	Alanine--glyoxylate aminotransferase 2, mitochondrial	12.87	3	56	57.08	7.93	6
Q3UEJ6	Phosphorylase	6.46	4	88	86.46	6.21	6
Q3UES3	Tankyrase-2	1.89	1	1	126.66	7.14	1
Q3UGN9	Signal transducing adapter molecule 1	7.14	1	1	51.11	4.87	1
Q3UH53-2	Isoform 2 of Protein sidekick-1	1.09	1	2	211.47	6.18	1
Q3UH93	Plexin-D1	1.92	1	1	211.47	7.11	1



Q3UHA3-2	Isoform 2 of Spatacsin	2.22	1	5	53.85	5.27	4
Q3UHH2-2	Isoform 2 of Solute carrier family 22 member 23	8.64	1	1	44.65	8.28	1
Q3UHU5-2	Isoform 2 of Microtubule cross-linking factor 1	2.66	1	2	158.75	5.67	2
Q3UIL6-4	Isoform 4 of Pleckstrin homology domain-containing family A member 7	2.04	1	1	116.82	8.91	1
Q3UIR3-2	Isoform 2 of E3 ubiquitin-protein ligase DTX3L	3.33	1	1	76.53	7.34	1
Q3UKU1	RNA polymerase II elongation factor ELL2	2.19	1	13	72.08	8.81	5
Q3ULD5	Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	15.1	6	170	61.34	8.00	6
Q3UME2	Transmembrane protein 241	7.41	1	3	32.94	8.78	2
Q3UN70	Myelin regulatory factor-like protein	3.43	1	1	101.62	7.27	1
Q3UNH4	G protein-regulated inducer of neurite outgrowth 1	3.33	1	1	95.44	7.93	1
Q3UNY1	Protein Gm16833 (Fragment)	22.39	1	1	7.67	8.41	1
Q3UPC7	Uncharacterized protein KIAA0825 homolog	1.89	1	1	145.46	6.23	1
Q3UPL0-2	Isoform 2 of Protein transport protein Sec31A	3.78	3	15	129.48	7.42	2
Q3UPP8-2	Isoform 2 of Centrosomal protein of 63 kDa	2.94	1	1	55.70	5.90	1
Q3UQ44	Ras GTPase-activating-like protein IQGAP2	0.95	1	4	180.42	5.64	3
Q3UQD6	Protein D630036H23Rik	17.16	1	1	21.12	9.17	1
Q3UQN2-3	Isoform 3 of FCH domain only protein 2	3.14	1	1	46.94	6.34	1
Q3UR03	Myomegalin (Fragment)	1.68	1	1	96.34	5.29	1
Q3URI6	Protein Zfp560	1.72	1	1	85.06	8.10	1
Q3URL2	Protein Gm10742	31.25	1	1	14.38	11.09	1
Q3URU2-2	Isoform 2 of Paternally-expressed gene 3 protein	2.76	1	1	136.91	7.17	1
Q3URV1-2	Isoform 2 of Protein broad-minded	2.07	1	1	131.65	6.15	1
Q3USB7	Inactive phospholipase C-like protein 1	2.55	1	1	122.59	5.64	1
Q3UT49	Cytochrome P450 2C29	15.96	6	201	51.51	8.06	6
Q3UTF4	Protein Zfp114	3.25	1	1	65.81	8.94	1
Q3UTY6-2	Isoform 2 of Thrombospondin type-1 domain-containing protein 4	2.13	1	1	73.92	6.05	1
Q3UUY6-2	Isoform 2 of Prominin-2	3.17	1	2	91.60	7.40	1
Q3UXD9	Peroxisomal trans-2-enoyl-CoA reductase	26.92	3	203	28.08	7.33	5
Q3UYV8	Dynein assembly factor 3, axonemal	7.17	1	1	64.57	6.11	1
Q3UYX7	MCG4676, isoform CRA_a	11.24	1	1	29.87	6.05	1
Q3UZZ6	Sulfotransferase 1 family member D1	8.14	1	18	35.06	5.76	4
Q3V0B6	Tetratricopeptide repeat protein 16	2.48	1	1	86.84	8.72	1
Q3V0K6	Kynurenine 3-monooxygenase	14.12	2	79	28.38	9.44	6
Q3V129-5	Isoform 5 of Serine/threonine-protein kinase ULK4	15.42	1	1	27.74	6.76	1

Q3V1D8	Protein Zfp408	7.21	1	1	67.35	7.06	1
Q3V1M1	Immunoglobulin superfamily member 10	1.54	1	1	285.42	9.29	1
Q3V1Z5	Protein Rps4l	6.49	1	3	29.17	10.27	1
Q3V3M5	AT-rich interactive domain-containing protein 3B	7.08	1	1	23.02	4.86	1
Q3V3Z3	Probable G-protein coupled receptor 114	7.65	1	1	58.51	8.57	1
Q497L8	Solute carrier family 22 member 16	3.39	1	2	73.88	7.85	1
Q499D5	Protein Zfp235	1.28	1	2	79.14	8.12	1
Q4ACU6-10	Isoform 9 of SH3 and multiple ankyrin repeat domains protein 3	4.26	1	1	117.01	9.23	1
Q4FK66	Pre-mRNA-splicing factor 38A	6.73	1	1	37.41	10.01	1
Q4KL48	EG667283 protein	35.04	1	1	13.20	7.34	1
Q4LDF6	Protein Cfhr2 (Precursor)	6.93	1	5	37.91	7.69	3
Q4LDG0	Bile acyl-CoA synthetase	18.14	6	233	76.15	8.38	6
Q4QQM5-2	Isoform 2 of Protein FAM73A	5.93	1	4	56.91	5.33	2
Q4QY64-2	Isoform 2 of ATPase family AAA domain-containing protein 5	2.09	1	1	90.15	9.25	1
Q4VAA2-2	Isoform 2 of Protein CDV3	8.47	1	1	24.32	5.86	1
Q505D1	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit A	3.13	1	1	112.83	6.27	1
Q50L43	Cytosolic phospholipase A2 delta	1.82	1	1	92.98	5.54	1
Q52KG5	Kinesin-like protein KIF26A	1.75	1	1	196.19	8.68	1
Q52KP5	NXPE family member 4	2.58	1	7	61.51	8.79	5
Q569X9	Cytochrome P450, family 2, subfamily c, polypeptide 67	4.07	1	3	56.11	7.36	2
Q569Z5	Probable ATP-dependent RNA helicase DDX46	1.65	1	1	117.38	9.26	1
Q571C7	Transcription factor TFIIIB component B" homolog	1.42	1	1	270.62	4.92	1
Q571F8	Glutaminase liver isoform, mitochondrial	5.15	2	85	66.32	7.66	6
Q571H0	Nucleolar pre-ribosomal-associated protein 1	1.23	1	2	254.45	6.96	1
Q59IX1	Origin recognition complex subunit 2	5.49	1	1	60.38	6.64	1
Q5DU14-3	Isoform 3 of Unconventional myosin-XVI	0.81	1	1	204.96	7.21	1
Q5EG47	5'-AMP-activated protein kinase catalytic subunit alpha-1	2.68	1	1	63.89	8.12	1
Q5F2E8	Serine/threonine-protein kinase TAO1	2.1	1	1	115.98	7.55	1
Q5F2L2-2	Isoform 2 of Alpha-(1,3)-fucosyltransferase 10	6.19	1	4	50.35	6.98	2
Q5FW57	Glycine N-acyltransferase-like protein	10.14	1	4	34.15	7.80	1
Q5FWB9	Protein BC089491	4.27	1	2	34.78	10.24	2
Q5HZI1-3	Isoform 3 of Microtubule-associated tumor suppressor 1 homolog	2.7	1	1	46.96	8.54	1
Q5JCT0	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminylt	5.03	1	1	50.67	8.25	1
Q5KU39	Vacuolar protein sorting-associated protein 41 homolog	1.52	1	1	98.54	5.81	1

Q5NC80	Nucleoside diphosphate kinase (Fragment)	20.47	2	48	14.08	9.09	6
Q5NCD0	Olfactory receptor	11.76	1	1	36.31	8.40	1
Q5NCJ0	Protein Rapgef6	1.25	1	2	179.11	6.35	1
Q5NCJ2	Protein Rapgef6	2.57	1	1	62.19	5.03	1
Q5NCR9	Nuclear speckle splicing regulatory protein 1	2.58	1	3	63.76	8.76	2
Q5NCU0	Glycine receptor subunit alpha-1	5.19	1	1	42.44	8.79	1
Q5NCY0	Lysine-specific demethylase 6B	1.1	1	3	176.25	8.62	3
Q5ND21	Inactive serine/threonine-protein kinase TEX14 (Fragment)	11.5	1	1	22.77	7.37	1
Q5ND50	Adapter molecule crk	10.73	1	1	29.32	7.14	1
Q5QD15	Trace amine-associated receptor 4	10.37	1	1	38.88	8.03	1
Q5RI75-2	Isoform 2 of Ras and EF-hand domain-containing protein homolog	4.32	1	1	62.30	5.12	1
Q5RJH3	Cadherin-12	3.53	1	1	88.41	4.83	1
Q5RJI5-3	Isoform 3 of Serine/threonine-protein kinase BRSK1	8.8	1	1	38.52	7.75	1
Q5RKZ7-3	Isoform 3 of Molybdenum cofactor biosynthesis protein 1	12.05	1	1	26.61	8.75	1
Q5SQG5	Prohibitin (Fragment)	13.04	1	146	22.99	6.37	6
Q5SS00	DBF4-type zinc finger-containing protein 2 homolog	1.36	1	1	273.58	5.22	1
Q5STE3	Follistatin-related protein 4	1.31	1	1	92.52	6.83	1
Q5STT8	IL2-inducible T-cell kinase	4.04	1	2	71.53	7.14	1
Q5SUT0	RNA-binding protein EWS	3.07	1	14	64.95	9.38	4
Q5SVG6	Protein NipSnap homolog 1 (Fragment)	50	3	52	15.87	7.33	6
Q5SVP0	Protein 9930111J21Rik1	2.13	1	1	95.48	6.32	1
Q5SW19-2	Isoform 2 of Clustered mitochondria protein homolog	7.7	3	51	91.78	5.62	6
Q5SW87	Ras-related protein Rab-1A	29.71	1	9	15.02	8.13	3
Q5SX19	N-acetylglucosaminyl-phosphatidylinositol de-N-acetylase	5.95	1	1	28.16	8.34	1
Q5U462	CUB domain-containing protein 1	2.64	1	2	92.67	7.75	1
Q5U4C2	Dipeptidyl aminopeptidase-like protein 6	2.87	1	2	91.08	6.65	2
Q5XJF6	Ribosomal protein	7.37	1	105	24.82	9.94	6
Q5YD48-3	Isoform 3 of APOBEC1 complementation factor	3.13	1	16	42.97	8.79	6
Q60597-2	Isoform 2 of 2-oxoglutarate dehydrogenase, mitochondrial	6.81	3	26	115.34	7.03	6
Q60605	Myosin light polypeptide 6	7.28	1	2	16.92	4.65	1
Q60692	Proteasome subunit beta type-6	6.72	1	5	25.36	5.11	4
Q60759	Glutaryl-CoA dehydrogenase, mitochondrial	19.41	4	142	48.57	8.73	6
Q60769	Tumor necrosis factor alpha-induced protein 3	2.97	1	5	87.60	8.16	3
Q60841-3	Isoform 3 of Reelin	0.41	1	1	382.95	5.55	1

Q60854	Serpin B6	6.08	1	2	42.57	5.74	2
Q60864	Stress-induced-phosphoprotein 1	3.13	1	19	62.54	6.80	6
Q60882	Olfactory receptor 145	10.97	1	1	34.43	8.57	1
Q60900-2	Isoform HuC-S of ELAV-like protein 3	7.78	1	1	38.83	9.28	1
Q60931	Voltage-dependent anion-selective channel protein 3	6.71	1	4	30.73	8.79	2
Q60932-2	Isoform Mt-VDAC1 of Voltage-dependent anion-selective channel protein 1	13.07	3	163	30.74	8.54	6
Q60936-2	Isoform 2 of Chaperone activity of bc1 complex-like, mitochondrial	3.25	1	17	42.54	5.81	5
Q60991	25-hydroxycholesterol 7-alpha-hydroxylase	2.96	1	17	58.43	9.09	6
Q61035	Histidine--tRNA ligase, cytoplasmic	6.29	1	2	57.40	6.00	2
Q61037-7	Isoform F of Tuberin	1.58	1	1	189.73	6.86	1
Q61086	Frizzled-3	5.11	1	1	76.16	7.64	1
Q61166	Microtubule-associated protein RP/EB family member 1	7.09	1	39	30.00	5.22	6
Q61176	Arginase-1	14.24	4	321	34.79	7.01	6
Q61194-2	Isoform 2 of Phosphatidylinositol 4-phosphate 3-kinase C2 domain-contains	0.72	1	1	187.41	8.24	1
Q61316	Heat shock 70 kDa protein 4	8.44	4	41	94.07	5.24	6
Q61419-2	Isoform 2 of Cytidine monophosphate-N-acetylneuraminic acid hydroxylase	3.01	1	1	62.11	6.15	1
Q61425	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	19.43	4	76	34.44	8.65	6
Q61456	Cyclin-A1	3.33	1	1	47.74	5.71	1
Q61493	DNA polymerase zeta catalytic subunit	0.83	1	1	350.49	8.32	1
Q61553	Fascin	3.65	1	4	54.47	6.89	4
Q61578	NADPH:adrenodoxin oxidoreductase, mitochondrial	8.1	1	2	54.17	8.66	2
Q61581	Insulin-like growth factor-binding protein 7	8.19	1	1	28.95	8.31	1
Q61586	Glycerol-3-phosphate acyltransferase 1, mitochondrial	2.42	1	1	93.65	7.84	1
Q61595-2	Isoform 2 of Kinectin	1.67	1	1	137.60	6.27	1
Q61598-2	Isoform 2 of Rab GDP dissociation inhibitor beta	15.89	4	178	46.63	6.90	6
Q61625	Glutamate receptor ionotropic, delta-2	2.28	1	1	113.01	6.10	1
Q61635	GTP-binding protein	5	1	3	46.76	6.74	2
Q61694	3 beta-hydroxysteroid dehydrogenase type 5	9.65	2	3	41.87	9.01	1
Q61743	ATP-sensitive inward rectifier potassium channel 11	4.1	1	2	43.53	8.19	1
Q61818-2	Isoform 2 of Retinoic acid-induced protein 1	1.79	1	1	195.96	8.87	1
Q61830	Macrophage mannose receptor 1	1.3	1	2	164.87	6.83	2
Q61838	Alpha-2-macroglobulin	5.69	3	99	165.75	6.68	6
Q61967	Zinc finger protein 90	4.72	1	1	72.38	8.59	1
Q62086	Serum paraoxonase/arylesterase 2	3.95	1	2	39.59	5.83	1

Q62095	ATP-dependent RNA helicase DDX3Y	2.58	1	5	73.38	7.53	3
Q62130	Tyrosine-protein phosphatase non-receptor type 14	2.78	1	1	134.96	8.34	1
Q62137	Tyrosine-protein kinase JAK3	3.64	1	1	122.56	6.87	1
Q62167	ATP-dependent RNA helicase DDX3X	7.7	2	6	73.06	7.18	3
Q62210	Baculoviral IAP repeat-containing protein 2	3.59	1	1	69.63	6.54	1
Q62240-3	Isoform 3 of Lysine-specific demethylase 5D	5.97	1	1	67.20	6.05	1
Q62261-2	Isoform 2 of Spectrin beta chain, non-erythrocytic 1	1.25	1	1	251.13	5.54	1
Q62264	Thyroid hormone-inducible hepatic protein	12.67	1	14	17.08	4.98	5
Q62356	Follistatin-related protein 1	5.88	1	1	34.53	5.85	1
Q62386	Interleukin-17A	16.46	1	2	17.48	8.92	2
Q62452	UDP-glucuronosyltransferase 1-9	6.25	2	53	59.97	8.35	6
Q62465	Synaptic vesicle membrane protein VAT-1 homolog	3.45	1	2	43.07	6.37	1
Q62468	Villin-1	1.57	1	1	92.72	6.04	1
Q62507	Cochlin	7.07	1	1	59.91	8.44	1
Q63880-2	Isoform 2 of Carboxylesterase 3A	17.56	5	562	57.82	5.63	6
Q63886	UDP-glucuronosyltransferase 1-1	11.59	4	104	60.01	8.62	6
Q63955	POU domain, class 4, transcription factor 3	4.73	1	1	36.99	9.03	1
Q63ZV0	Insulinoma-associated protein 1	4.03	1	4	54.02	9.01	3
Q640M1-2	Isoform 2 of U3 small nucleolar RNA-associated protein 14 homolog A	12.37	1	1	21.82	8.56	1
Q64105	Sepiapterin reductase	13.03	2	3	27.87	5.74	1
Q64310	Surfeit locus protein 4	14.87	1	1	30.36	7.78	1
Q64374	Regucalcin	28.76	7	284	33.39	5.34	6
Q64441	1,25-dihydroxyvitamin D(3) 24-hydroxylase, mitochondrial	3.5	1	1	59.42	9.03	1
Q64442	Sorbitol dehydrogenase	30.81	9	701	38.22	7.02	6
Q64459	Cytochrome P450 3A11	5.16	2	29	57.82	8.82	6
Q64471	Glutathione S-transferase theta-1	11.67	3	5	27.36	7.27	1
Q64514-2	Isoform Short of Tripeptidyl-peptidase 2	1.28	1	1	138.38	6.38	1
Q64516-1	Isoform 1 of Glycerol kinase	6.11	1	2	57.42	5.64	1
Q64726	Zinc-alpha-2-glycoprotein	4.23	1	2	35.31	6.18	2
Q64727	Vinculin	5.53	2	2	116.64	6.00	1
Q68ED2	Metabotropic glutamate receptor 7	3.93	1	1	102.15	7.88	1
Q68FD5	Clathrin heavy chain 1	7.58	6	31	191.43	5.69	6
Q692V3-3	Isoform 3 of Tetratricopeptide repeat protein GNN	2.67	1	1	55.25	9.60	1
Q69ZA1-2	Isoform 2 of Cyclin-dependent kinase 13	2.55	1	1	158.04	9.70	1

Q69ZK6	Probable JmjC domain-containing histone demethylation protein 2C	1.02	1	2	260.48	8.07	1
Q69ZX6	MORC family CW-type zinc finger protein 2A	1.75	1	1	117.26	8.34	1
Q6A025	Protein phosphatase 1 regulatory subunit 26	3.18	1	1	124.86	8.76	1
Q6GQW0-3	Isoform 3 of Ankyrin repeat and BTB/POZ domain-containing protein BTBI	18.58	1	1	20.68	6.52	1
Q6GV12	3-ketodihydrosphingosine reductase	4.82	1	9	35.93	7.90	4
Q6GYP7-6	Isoform 1S of Ral GTPase-activating protein subunit alpha-1	2.57	1	1	165.24	6.15	1
Q6IE82	Protein Jade-3	4.13	1	1	93.39	7.02	1
Q6J1H4	Undifferentiated embryonic cell transcription factor 1	10.62	1	1	36.39	10.04	1
Q6NS86	Protein Zfp366	3.08	1	3	84.77	7.97	2
Q6NSQ5	Protein Sp140	4.49	1	1	62.58	8.79	1
Q6NV83-3	Isoform 3 of U2 snRNP-associated SURP motif-containing protein	2.74	1	2	113.19	8.35	1
Q6NWV3	Intraflagellar transport protein 122 homolog	1.44	1	1	134.71	6.98	1
Q6NXH2	Glycoprotein endo-alpha-1,2-mannosidase	3.68	1	3	53.15	8.62	2
Q6NZA9	Transcription initiation factor TFIID subunit 9B	15.66	1	1	27.16	9.58	1
Q6P1C6	Leucine-rich repeats and immunoglobulin-like domains protein 3	1.25	1	1	122.61	5.88	1
Q6P2L6-2	Isoform 2 of Histone-lysine N-methyltransferase NSD3	2.6	1	1	73.34	9.14	1
Q6P3A8-2	Isoform 2 of 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	25.16	4	39	35.48	5.52	6
Q6P4T1	Protein Snx19	1.1	1	1	109.74	5.12	1
Q6P5D3-3	Isoform 3 of Putative ATP-dependent RNA helicase DHX57	3.8	1	1	114.77	7.14	1
Q6P5E4	UDP-glucose:glycoprotein glucosyltransferase 1	1.16	1	2	176.32	5.62	2
Q6P6I6-2	Isoform 2 of DNA-directed RNA polymerase II subunit GRINL1A	4.96	1	1	29.36	5.76	1
Q6P7F1	MAGUK p55 subfamily member 4	5.2	1	1	71.96	5.50	1
Q6P9J9-2	Isoform 2 of Anoctamin-6	4.55	1	1	55.69	8.46	1
Q6P9K8-2	Isoform 2 of Caskin-1	2.57	1	2	142.60	9.23	1
Q6P9K9-2	Isoform 2a of Neurexin-3	2	1	1	121.72	6.55	1
Q6P9P6	Kinesin-like protein KIF11	1.33	1	1	117.95	6.00	1
Q6PAR0-3	Isoform 3 of Kelch domain-containing protein 10	12.04	1	1	33.51	8.28	1
Q6PB66	Leucine-rich PPR motif-containing protein, mitochondrial	5.6	4	107	156.52	6.83	6
Q6PB89	Adarb2 protein	4.56	1	1	77.31	9.70	1
Q6PD03	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isc	4.32	1	1	56.31	7.03	1
Q6PDB7	MCG142671, isoform CRA_b	2.52	1	4	61.89	6.09	3
Q6PDC8-2	Isoform 2 of Major facilitator superfamily domain-containing protein 4	9.31	1	1	31.89	7.44	1
Q6PDD0	UDP-glucuronosyltransferase 2A2	7.39	1	1	59.93	8.35	1
Q6PDK2	Histone-lysine N-methyltransferase 2D	0.57	1	1	599.87	5.80	1

Q6PDN3	Myosin light chain kinase, smooth muscle	1.91	1	2	212.79	6.25	2
Q6PE65-2	Isoform 2 of G patch domain-containing protein 2-like	3.19	1	1	45.90	8.02	1
Q6PEB4-2	Isoform 2 of Probable tRNA N6-adenosine threonylcarbamoyltransferase, mi	8.09	1	1	40.10	9.06	1
Q6PEE2	CBP80/20-dependent translation initiation factor	7.17	1	1	67.79	6.65	1
Q6PEM8	Proton-coupled folate transporter	8.28	1	1	50.06	8.37	1
Q6PEP4	Protein Zfp677	2.05	1	1	73.63	9.11	1
Q6PF96	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	24.64	8	261	61.12	6.83	6
Q6PFX9-2	Isoform 2 of Tankyrase-1	2.46	1	1	106.58	7.14	1
Q6PGE4	Zinc finger protein 316	2.76	1	1	110.74	5.34	1
Q6PHA1	Protein Rdh9	26.67	1	163	13.67	9.52	4
Q6PHC1	Alpha-enolase	16.12	4	349	39.76	6.20	6
Q6PI62	Probable G-protein coupled receptor 173	8.58	1	1	41.48	9.16	1
Q6PIX9	Uncharacterized protein C17orf80 homolog	4.3	1	1	60.24	9.50	1
Q6PNC0	DmX-like protein 1	1.73	2	28	335.80	6.42	6
Q6R6I7	Relaxin receptor 1	4.75	1	1	86.90	8.27	1
Q6RHR9-2	Isoform 2 of Membrane-associated guanylate kinase, WW and PDZ domain-	1.02	1	1	127.57	6.16	1
Q6X7S9	EP300-interacting inhibitor of differentiation 2	9.32	1	1	25.29	10.37	1
Q6XVG2	Cytochrome P450 2C54	12.45	4	173	55.82	7.47	6
Q6YJU1	Fetuin-B	9.09	1	22	33.86	6.54	5
Q6ZPL5	MKIAA1614 protein (Fragment)	1.98	1	3	98.53	8.15	2
Q6ZPS2	Carnosine synthase 1	3.99	1	1	89.22	6.04	1
Q6ZPS6	Ankyrin repeat and IBR domain-containing protein 1	1.11	1	2	121.80	5.16	1
Q6ZPV2-2	Isoform 2 of DNA helicase INO80	2.06	1	1	175.42	9.32	1
Q6ZPY2-2	Isoform 2 of Protein SMG5	3.85	1	1	78.56	6.28	1
Q6ZPY7	Lysine-specific demethylase 3B	1.41	1	1	170.77	6.92	1
Q6ZQ18-2	Isoform 2 of Protein EFR3 homolog B	3.1	1	1	87.46	6.68	1
Q6ZQ38	Cullin-associated NEDD8-dissociated protein 1	2.2	1	1	136.24	5.78	1
Q6ZQ73	Cullin-associated NEDD8-dissociated protein 2	1.46	1	1	135.55	5.58	1
Q6ZQM0-3	Isoform 3 of E3 ubiquitin-protein ligase rififylin	6.57	1	1	37.42	6.42	1
Q6ZWQ0-2	Isoform 2 of Nesprin-2	6.64	1	1	54.27	6.33	1
Q6ZWQ9	MCG5400	11.63	1	1	19.88	4.81	1
Q6ZWU9	40S ribosomal protein S27	9.52	1	2	9.45	9.45	1
Q70FJ1-3	Isoform 3 of A-kinase anchor protein 9	0.48	1	1	433.71	5.05	1
Q71LX4	Talin-2	0.88	1	6	253.46	5.80	1

Q71RI9-2	Isoform 2 of Kynurenine--oxoglutarate transaminase 3	3.33	2	18	47.29	7.20	4
Q78JT3	3-hydroxyanthranilate 3,4-dioxygenase	16.08	3	37	32.78	6.54	6
Q7M757	Lys-63-specific deubiquitinase BRCC36-like	14.78	1	1	33.06	6.23	1
Q7TMC8	L-fucose kinase	3.12	1	1	119.19	6.60	1
Q7TMD7	Desmoglein-4	1.44	1	1	114.38	4.73	1
Q7TME2	Sperm-associated antigen 5	3	1	1	129.91	4.96	1
Q7TMF3	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	12.41	1	39	17.08	9.36	6
Q7TNB8-2	Isoform 2 of Protein strawberry notch homolog 2	2.45	1	1	149.07	6.65	1
Q7TNG8	Probable D-lactate dehydrogenase, mitochondrial	15.29	3	109	51.82	6.62	6
Q7TPX8	Oogenesisin 2	6.09	1	1	55.06	5.58	1
Q7TQ32	Hemojuvelin	10	1	1	44.82	7.84	1
Q7TR14	Olfactory receptor	10.51	1	1	36.04	8.72	1
Q7TR17	Olfactory receptor	12.79	1	1	35.03	8.07	1
Q7TRP3	Olfactory receptor	3.85	1	2	35.24	9.23	2
Q7TRP4	Olfactory receptor	11.35	1	1	36.61	8.69	1
Q7TRX2	MCG1036247	6.07	1	1	35.11	8.95	1
Q7TS99	Hairy and enhancer of split-related protein HELT	13.33	1	1	26.96	9.38	1
Q7TSG6	Radixin	3.6	1	4	46.34	8.50	3
Q7TSH3	Zinc finger protein 516	1.82	1	1	124.71	8.51	1
Q7TSI3	Serine/threonine-protein phosphatase 6 regulatory subunit 1	3.86	1	1	94.47	4.64	1
Q7TSY8	Shugoshin-like 2	1.63	1	3	130.20	8.76	2
Q80SU4	Interferon alpha-13	17.46	1	1	21.55	8.19	1
Q80TA9	Ectopic P granules protein 5 homolog	1.56	1	1	290.62	6.37	1
Q80TB7-2	Isoform 2 of Zinc finger SWIM domain-containing protein 6	4.23	1	1	93.36	6.30	1
Q80TE7	Leucine-rich repeat-containing protein 7	2.28	1	1	166.80	6.61	1
Q80TR8-4	Isoform 4 of Protein VPRBP	0.99	1	3	159.18	6.54	2
Q80TT8-2	Isoform 2 of Cullin-9	2.3	1	1	108.59	4.91	1
Q80TY4	Suppression of tumorigenicity 18 protein	3.44	1	1	114.68	6.44	1
Q80U19	Disheveled-associated activator of morphogenesis 2	1.79	1	1	128.29	6.92	1
Q80U44	Zinc finger FYVE domain-containing protein 16	2.29	1	1	166.56	4.78	1
Q80U56	Late secretory pathway protein AVL9 homolog	4.01	1	2	72.14	6.14	2
Q80UE6	Serine/threonine-protein kinase WNK4	0.9	1	1	132.33	5.52	1
Q80US4	Actin-related protein 5	2.64	1	4	67.80	5.19	3
Q80UU9	Membrane-associated progesterone receptor component 2	12.9	2	19	23.32	5.15	5



Q80UV9-2	Isoform 2 of Transcription initiation factor TFIID subunit 1	2.8	1	1	105.71	5.07	1
Q80UX8	Alpha/beta hydrolase domain-containing protein 13	13.06	1	1	38.50	8.48	1
Q80UY1	UPF0586 protein C9orf41 homolog	3.25	1	2	46.31	6.16	1
Q80VW5-7	Isoform 7 of Whirlin	8.39	1	1	49.27	6.93	1
Q80VY2	Protein FAM212B	9.33	1	1	33.21	8.27	1
Q80W22	Threonine synthase-like 2	6.63	1	2	54.15	6.39	2
Q80W93	Hydrocephalus-inducing protein	0.35	1	1	581.15	6.38	1
Q80X56	E3 ubiquitin-protein ligase TRIM69	3.4	1	1	57.28	7.23	1
Q80X80	C2 domain-containing protein 2-like	1.98	1	1	76.28	7.21	1
Q80X81	Acetyl-Coenzyme A acetyltransferase 3	20.15	4	70	41.44	7.94	2
Q80X90	Filamin-B	1.08	2	10	277.65	5.71	5
Q80XA0	Transmembrane protein 121	6.29	1	1	35.66	9.26	1
Q80XF5	Interleukin-22 receptor subunit alpha-2	7.39	1	2	26.60	8.79	1
Q80XN0	D-beta-hydroxybutyrate dehydrogenase, mitochondrial	28.86	7	121	38.27	9.01	6
Q80Y39	Uncharacterized protein C10orf62 homolog	4.93	1	1	34.00	9.51	1
Q80Y56	Rabenosyn-5	4.6	1	1	88.44	5.30	1
Q80YX8	Major urinary protein 26	11.05	1	1	21.15	4.54	1
Q80ZD8	Amphoterin-induced protein 1	5.89	1	3	55.31	6.86	3
Q80ZU0	ADP-ribosylation factor-like protein 5A	24.02	1	1	20.71	6.79	1
Q810A5	Uncharacterized protein KIAA0895-like	8.99	1	1	53.14	8.38	1
Q810B6	Ankyrin repeat and FYVE domain-containing protein 1	1.28	1	1	128.57	5.91	1
Q810B7-2	Isoform 2 of SLIT and NTRK-like protein 5	4.5	1	2	83.65	7.18	1
Q810S7	Cog1 protein	5.3	1	1	44.03	7.09	1
Q811D2	Ankyrin repeat domain-containing protein 26	0.82	1	8	180.54	5.87	4
Q811F1	Zinc finger and BTB domain-containing protein 41	2.86	1	2	104.62	7.91	2
Q811J3	Iron-responsive element-binding protein 2	4.88	1	2	104.85	6.93	1
Q85ZW9	Histocompatibility 2, M region locus 10.2	8.81	1	3	37.49	5.40	2
Q8BFR5-2	Isoform 2 of Elongation factor Tu, mitochondrial	7.82	1	3	47.19	7.74	2
Q8BG17	Nucleolar protein 12	15.21	1	1	25.34	10.13	1
Q8BG28-2	Isoform 2 of UDP-GalNAc:beta-1,3-N-acetylgalactosaminyltransferase 2	11	1	1	23.88	6.93	1
Q8BG79-2	Isoform 2 of CWF19-like protein 2	4.75	1	1	56.24	8.75	1
Q8BGA8-2	Isoform 2 of Acyl-coenzyme A synthetase ACSM5, mitochondrial	14.15	4	48	34.61	9.06	6
Q8BGC4	Zinc-binding alcohol dehydrogenase domain-containing protein 2	3.98	1	1	40.50	7.42	1
Q8BGD8	Cytochrome c oxidase assembly factor 6 homolog	16.46	1	19	9.29	8.16	6

Q8BGH2	Sorting and assembly machinery component 50 homolog	3.62	1	6	51.83	6.80	3
Q8BGH4	Receptor expression-enhancing protein 1	12.44	1	10	22.27	9.50	6
Q8BGL3	Protein 2810007J24Rik	6.38	1	3	33.27	7.02	2
Q8BGN8	Synaptoporin	6.04	1	1	29.21	6.30	1
Q8BGQ7	Alanine--tRNA ligase, cytoplasmic	4.13	2	109	106.84	5.67	6
Q8BGS3-2	Isoform 2 of Zinc finger protein with KRAB and SCAN domains 1	4.71	1	1	55.38	7.55	1
Q8BGT0	Osteopetrosis-associated transmembrane protein 1	7.4	1	1	37.98	6.39	1
Q8BGT5	Alanine aminotransferase 2	20.31	5	237	57.91	8.00	6
Q8BGX1	PC-esterase domain-containing protein 1B	4.39	1	1	49.94	8.28	1
Q8BGX3	Leucine-rich repeat and transmembrane domain-containing protein 2	9.19	1	1	41.01	6.40	1
Q8BGY2	Eukaryotic translation initiation factor 5A-2	11.76	2	22	16.78	5.58	5
Q8BH00	Aldehyde dehydrogenase family 8 member A1	35.11	10	293	53.63	7.55	6
Q8BH24	Transmembrane 9 superfamily member 4	4.67	1	1	74.64	7.23	1
Q8BH35-2	Isoform 2 of Complement component C8 beta chain	3.63	1	1	58.41	7.85	1
Q8BH59	Calcium-binding mitochondrial carrier protein Aralar1	2.36	1	1	74.52	8.25	1
Q8BH61	Coagulation factor XIII A chain	1.78	1	1	83.15	5.92	1
Q8BHA3-2	Isoform 2 of Probable D-tyrosyl-tRNA(Tyr) deacylase 2	6.02	1	1	18.04	8.29	1
Q8BHJ5	F-box-like/WD repeat-containing protein TBL1XR1	7.98	1	1	55.63	5.63	1
Q8BHK3-2	Isoform 2 of Proton-coupled amino acid transporter 2	12.5	1	1	30.75	9.04	1
Q8BHL3	TBC1 domain family member 10B	5.76	1	1	87.22	8.90	1
Q8BHN3-3	Isoform 3 of Neutral alpha-glucosidase AB	3.61	2	18	79.03	6.01	5
Q8BHZ4	Zinc finger protein 592	2.38	1	1	137.43	7.96	1
Q8BIA4-4	Isoform 4 of F-box/WD repeat-containing protein 8	8.33	1	1	51.64	5.59	1
Q8BID8	F-box/LRR-repeat protein 14	8.5	1	1	43.84	8.65	1
Q8BIZ1-5	Isoform 5 of Ankyrin repeat and sterile alpha motif domain-containing protei	8.65	1	1	30.25	8.65	1
Q8BJ34-2	Isoform 2 of Meiosis arrest female protein 1	3.23	1	1	57.75	9.61	1
Q8BJ64	Choline dehydrogenase, mitochondrial	9.9	3	11	66.37	8.51	4
Q8BJI1	Sodium-dependent neutral amino acid transporter SLC6A17	2.75	1	1	81.02	6.23	1
Q8BJW6-2	Isoform 2 of Eukaryotic translation initiation factor 2A	9.65	2	3	54.10	8.98	1
Q8BK48	Pyrethroid hydrolase Ces2e	3.94	1	36	62.28	6.16	6
Q8BK80	Lon protease homolog 2, peroxisomal	8.1	1	1	46.82	5.78	1
Q8BKN5-2	Isoform 2 of Gamma-tubulin complex component 5	4.16	1	2	110.53	5.96	2
Q8BKT8	HAUS augmin-like complex subunit 7	6.59	1	1	40.63	5.06	1
Q8BL66	Early endosome antigen 1	0.99	1	1	160.82	5.77	1

Q8BL99-3	Isoform 3 of Protein dopey-1	4.78	1	1	64.55	7.03	1
Q8BLG0-2	Isoform 2 of PHD finger protein 20	2.19	1	1	114.21	7.59	1
Q8BLH7	HIRA-interacting protein 3	3.99	1	1	65.18	7.84	1
Q8BLN5	Lanosterol synthase	1.91	1	1	83.09	6.40	1
Q8BLY7	Hermansky-Pudlak syndrome 6 protein homolog	5.34	1	1	87.29	6.80	1
Q8BM41	Protein LSM14 homolog B	14.43	1	1	33.23	9.74	1
Q8BM55-3	Isoform 3 of Transmembrane protein 214	5.87	1	1	42.00	8.43	1
Q8BML1-3	Isoform 3 of Protein-methionine sulfoxide oxidase MICAL2	2.58	1	3	93.27	7.62	2
Q8BMS1	Trifunctional enzyme subunit alpha, mitochondrial	17.56	10	258	82.62	9.14	6
Q8BN58-2	Isoform 2 of Rho GTPase-activating protein 28	5.16	1	4	76.08	6.93	3
Q8BN59	La-related protein 6	6.91	1	4	54.84	7.90	3
Q8BP27-2	Isoform 2 of Swi5-dependent recombination DNA repair protein 1 homolog	6.6	1	4	33.51	5.14	2
Q8BP40	Lysophosphatidic acid phosphatase type 6	2.63	1	2	47.59	7.72	1
Q8BP47	Asparagine--tRNA ligase, cytoplasmic	2.86	1	6	64.24	5.86	4
Q8BP48	Methionine aminopeptidase 1	4.92	1	1	43.19	7.17	1
Q8BP86-3	Isoform 3 of snRNA-activating protein complex subunit 4	2.02	1	1	136.63	9.41	1
Q8BQM9	Mediator of RNA polymerase II transcription subunit 12-like protein	1.62	1	2	241.27	7.81	1
Q8BRH4	Histone-lysine N-methyltransferase 2C	0.75	1	1	539.85	6.55	1
Q8BS01	Integrin alpha-E	3.95	1	1	114.65	6.27	1
Q8BS03	Peptidase inhibitor 15	15.12	1	1	29.13	7.90	1
Q8BSK8-2	Isoform Alpha II of Ribosomal protein S6 kinase beta-1	6.18	1	2	56.12	6.44	1
Q8BT60	Copine-3	4.32	1	15	59.55	5.78	5
Q8BTU6	Eukaryotic initiation factor 4A-II	9.94	1	1	41.26	5.64	1
Q8BTZ4-2	Isoform 2 of Anaphase-promoting complex subunit 5	5.5	1	1	81.64	6.71	1
Q8BUV3	Gephyrin	3.12	1	5	83.23	5.60	3
Q8BV13	COP9 signalosome complex subunit 7b	6.44	1	1	29.67	6.32	1
Q8BV16	Protein Zfp398	2.18	1	1	71.43	6.71	1
Q8BVG4-2	Isoform 2 of Dipeptidyl peptidase 9	3.09	1	1	80.54	6.58	1
Q8BVN7-2	Isoform 2 of Solute carrier family 25 member 41	12.08	1	1	32.96	9.64	1
Q8BVT3	RIKEN cDNA 1700013E18, isoform CRA_b	2.9	1	5	58.92	5.68	3
Q8BW88-2	Isoform 2 of Pleckstrin homology domain-containing family S member 1	4.18	1	1	37.63	6.29	1
Q8BW94-2	Isoform 2 of Dynein heavy chain 3, axonemal	0.35	1	1	452.89	6.00	1
Q8BWF0	Succinate-semialdehyde dehydrogenase, mitochondrial	11.09	4	103	55.93	8.25	6
Q8BWS5	G protein-regulated inducer of neurite outgrowth 3	4.98	1	1	80.44	7.02	1

Q8BWT1	3-ketoacyl-CoA thiolase, mitochondrial	32.24	8	529	41.80	8.09	6
Q8BX02-2	Isoform 2 of KN motif and ankyrin repeat domain-containing protein 2	3.95	1	3	64.58	6.04	2
Q8BYH8-2	Isoform 2 of Chromodomain-helicase-DNA-binding protein 9	1.05	1	1	321.69	7.39	1
Q8BYR5-6	Isoform 6 of Calcium-dependent secretion activator 2	4.82	1	1	87.41	6.77	1
Q8BZ71	SH3 and cysteine-rich domain-containing protein 3	8.61	1	1	40.97	6.38	1
Q8BZR4	Acyl-coenzyme A thioesterase 8	12.31	1	1	29.52	7.12	1
Q8C0I4	Enhancer of polycomb homolog 2	4.95	1	1	90.90	8.73	1
Q8C0M0-2	Isoform 2 of WD repeat-containing protein 59	3.18	1	1	109.73	7.80	1
Q8C0N2	Glycerol-3-phosphate acyltransferase 3	4.57	1	2	48.97	8.94	2
Q8C0V0	Serine/threonine-protein kinase tousled-like 1	4.18	1	1	86.57	8.79	1
Q8C0Y0-3	Isoform 3 of Serine/threonine-protein phosphatase 4 regulatory subunit 4	2.48	1	2	87.19	8.27	1
Q8C170	Unconventional myosin-IXa	0.51	1	1	291.94	8.97	1
Q8C196	Carbamoyl-phosphate synthase [ammonia], mitochondrial	26.2	37	3763	164.51	6.92	6
Q8C1B1	Calmodulin-regulated spectrin-associated protein 2	3.08	1	3	164.23	6.86	2
Q8C3F2-3	Isoform 3 of Constitutive coactivator of PPAR-gamma-like protein 2	2.91	1	1	109.51	8.59	1
Q8C3I8	Protein FAM203A	6.62	1	2	42.89	4.74	1
Q8C3Q5-2	Isoform 2 of Protein shisa-7	5.91	1	2	56.39	9.86	2
Q8C4V1-3	Isoform 3 of Rho GTPase-activating protein 24	1.99	1	1	73.21	6.86	1
Q8C4V4-2	Isoform 2 of F-box/LRR-repeat protein 3	8.16	1	1	42.83	6.42	1
Q8C5D8-3	Isoform 3 of E3 SUMO-protein ligase PIAS2	6.93	1	1	62.31	8.22	1
Q8C5H8-2	Isoform 2 of NAD kinase 2, mitochondrial	9.35	2	18	43.28	8.85	5
Q8C5J9	Protein 4732471J01Rik	13.79	1	1	15.22	8.51	1
Q8C6M1	Ubiquitin carboxyl-terminal hydrolase 20	1.42	1	1	102.08	6.16	1
Q8C6U2	PQ-loop repeat-containing protein 3	10.89	1	1	22.72	8.90	1
Q8C7B8	Zinc finger SWIM domain-containing protein 4	3.54	1	1	122.37	7.28	1
Q8C872	Transferrin receptor protein 1	7.38	1	1	57.31	6.48	1
Q8C888	Protein C130032M10Rik (Fragment)	29.27	1	1	13.41	9.01	1
Q8C8E0	Protein Gm13199	24.8	1	1	13.68	10.01	1
Q8C8R3-8	Isoform 8 of Ankyrin-2	5.26	1	1	45.06	9.06	1
Q8C9C1	Dimethylaniline monooxygenase [N-oxide-forming] 1	7.69	1	39	20.25	5.27	6
Q8CAQ8-3	Isoform 3 of Mitochondrial inner membrane protein	9.59	2	2	78.68	7.25	1
Q8CAR0	Insulin-like growth factor I	12.12	1	1	18.46	9.77	1
Q8CBH5	Major facilitator superfamily domain-containing protein 6	4.39	1	1	86.02	6.06	1
Q8CBM2	Aspartyl/asparaginyl beta-hydroxylase	2.28	1	1	75.08	4.91	1

Q8CBW4	DDB1- and CUL4-associated factor 12-like protein 1	2.59	1	1	54.33	8.13	1
Q8CC86	Nicotinate phosphoribosyltransferase	7.06	3	42	58.23	6.46	6
Q8CC88-2	Isoform 2 of von Willebrand factor A domain-containing protein 8	1.25	1	15	116.11	7.08	4
Q8CD92-2	Isoform 2 of Tetratricopeptide repeat protein 27	4.26	2	3	96.24	5.77	2
Q8CDE8	4933411G11Rik protein	15.25	1	2	27.88	7.39	2
Q8CE33	Kelch-like protein 11	5.78	1	1	80.38	6.01	1
Q8CEB6	1,5-anhydro-D-fructose reductase	6.94	1	12	28.25	7.83	5
Q8CEF9	Transmembrane protein 132C	7.55	3	3	121.30	6.05	1
Q8CFK6-2	Isoform 2 of DENN domain-containing protein 1C	6.37	1	1	29.95	5.21	1
Q8CFX0	Protein Wdr17	2.12	1	1	141.52	6.81	1
Q8CFX1	GDH/6PGL endoplasmic bifunctional protein	3.04	1	8	88.87	6.93	2
Q8CG76	Aflatoxin B1 aldehyde reductase member 2	9.81	2	67	40.59	8.12	6
Q8CG79	Apoptosis-stimulating of p53 protein 2	1.33	1	1	125.22	6.34	1
Q8CGC7	Bifunctional glutamate/proline--tRNA ligase	5.36	4	39	169.97	7.66	6
Q8CGE8	Interferon-activable protein 205-A	2.72	1	1	45.15	8.48	1
Q8CGK3	Lon protease homolog, mitochondrial	1.26	1	1	105.78	6.57	1
Q8CGM2	Retinitis pigmentosa 1-like 1 protein	0.97	1	1	199.56	6.48	1
Q8CGY7	Protein Cd16311 (Precursor)	3.84	1	2	105.90	5.17	1
Q8CH72	E3 ubiquitin-protein ligase TRIM32	3.82	1	3	72.01	6.90	2
Q8CHE4	PH domain leucine-rich repeat-containing protein phosphatase 1	1.9	1	1	182.25	6.19	1
Q8CHR6	Dihydropyrimidine dehydrogenase [NADP(+)]	7.8	6	117	111.18	7.27	6
Q8CHS7	Dehydrogenase/reductase SDR family member 7C	6.43	1	3	34.45	8.60	1
Q8CHT0	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial	20.82	4	151	61.80	8.24	6
Q8CI33-2	Isoform 2 of CWF19-like protein 1	3.51	1	1	45.09	7.68	1
Q8CI95	Oxysterol-binding protein-related protein 11	4.66	1	1	83.58	7.01	1
Q8CIB5	Fermitin family homolog 2	2.65	1	3	77.75	6.70	2
Q8CIE2-2	Isoform 2 of Zinc finger MIZ domain-containing protein 2	3.04	1	1	93.81	7.14	1
Q8CIE6	Coatomer subunit alpha	3.84	2	4	138.34	7.65	3
Q8CIH5	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-2	1.82	1	1	147.50	6.77	1
Q8CIM7	Cytochrome P450 2D26	12.2	3	85	56.94	6.64	6
Q8CIM8	Integrator complex subunit 4	0.62	1	2	108.12	6.42	1
Q8CIW6-3	Isoform 3 of Solute carrier family 26 member 6	3.31	1	1	79.06	9.17	1
Q8CIZ9-3	Isoform 3 of NADPH oxidase 1	6.81	1	2	59.10	9.09	1
Q8CJ40-2	Isoform 2 of Rootletin	0.7	1	1	208.15	5.53	1

Q8CJH3	Plexin-B1	0.99	1	3	231.23	5.55	2
Q8JZK9	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	7.69	1	1	57.53	5.99	1
Q8JZN3	ATP-sensitive inward rectifier potassium channel 14	8.29	1	2	47.58	5.71	1
Q8JZN5	Acyl-CoA dehydrogenase family member 9, mitochondrial	4.32	1	2	68.68	7.46	2
Q8JZQ2	AFG3-like protein 2	5.36	1	1	89.46	8.60	1
Q8JZQ9	Eukaryotic translation initiation factor 3 subunit B	1.99	1	2	91.31	5.02	1
Q8JZR0	Long-chain-fatty-acid--CoA ligase 5	11.13	6	158	76.16	7.09	6
Q8JZR6-2	Isoform 2 of Electroneutral sodium bicarbonate exchanger 1	2.8	1	1	116.61	6.83	1
Q8JZZ0	UDP-glucuronosyltransferase 3A2	2.87	1	2	59.63	7.53	2
Q8K023-2	Isoform 2 of Aldo-keto reductase family 1 member C18	6.06	1	3	34.20	7.66	1
Q8K0C4	Lanosterol 14-alpha demethylase	4.57	1	2	56.74	8.41	2
Q8K0E8	Fibrinogen beta chain	4.37	1	4	54.72	7.08	3
Q8K0L2	Ectonucleoside triphosphate diphosphohydrolase 8	7.44	1	1	54.62	6.38	1
Q8K0T2	Cytoplasmic dynein 2 light intermediate chain 1	7.12	1	1	39.44	8.09	1
Q8K183	Pyridoxal kinase	6.41	1	15	34.99	6.29	3
Q8K1B3	Gltpd2 protein	7.25	1	16	22.02	8.54	5
Q8K1K2	26S protease regulatory subunit 8	5.46	1	1	38.73	5.96	1
Q8K1S4-2	Isoform 2 of Netrin receptor UNC5A	2.26	1	1	92.87	6.71	1
Q8K202-3	Isoform 3 of DNA-directed RNA polymerase I subunit RPA49	4.07	1	2	44.18	6.57	1
Q8K209	G-protein coupled receptor 56	4.37	1	1	77.21	8.59	1
Q8K224	N-acetyltransferase 10	2.34	1	1	115.35	8.32	1
Q8K2B3	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	30.57	12	452	72.54	7.37	6
Q8K2C6	NAD-dependent protein deacylase sirtuin-5, mitochondrial	5.48	1	4	34.11	8.53	2
Q8K2C8	Glycerol-3-phosphate acyltransferase 4	3.73	1	1	52.15	9.35	1
Q8K2C9	Very-long-chain (3R)-3-hydroxyacyl-[acyl-carrier protein] dehydratase 3	5.8	1	1	43.10	9.13	1
Q8K2P7-3	Isoform 3 of Sodium-coupled neutral amino acid transporter 1	58.33	1	1	8.35	4.81	1
Q8K2X1-2	Isoform 2 of Probable phospholipid-transporting ATPase VD	3	1	1	156.24	6.99	1
Q8K354	Carbonyl reductase [NADPH] 3	4.33	1	6	30.93	6.57	4
Q8K3F7	L-threonine 3-dehydrogenase, mitochondrial	9.38	1	2	41.44	8.24	1
Q8K3G9	DCC-interacting protein 13-beta	5.59	1	1	73.81	5.03	1
Q8K3H0	DCC-interacting protein 13-alpha	3.39	1	1	79.28	5.41	1
Q8K3J1	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	8.49	1	15	24.02	6.21	6
Q8K3M1	Cis-retinol/3alpha hydroxysterol short-chain dehydrogenase-like protein	11.01	1	2	35.90	8.91	1
Q8K3P0	Short-chain dehydrogenase/reductase family 9C member 7	5.43	1	19	35.13	9.03	6

Q8K402	T-box transcription factor TBX22	4.26	1	1	58.46	6.57	1
Q8K411-3	Isoform 3 of Presequence protease, mitochondrial	2.51	1	1	112.77	7.34	1
Q8K441	ATP-binding cassette sub-family A member 6	1.11	1	2	183.17	6.93	1
Q8K482	EMILIN-2	2.61	1	1	117.24	5.62	1
Q8K4G2	Collagen alpha-1(XXIII) chain	3.38	1	1	51.44	6.89	1
Q8K4P0	pre-mRNA 3' end processing protein WDR33	2.63	1	1	145.18	9.13	1
Q8K4T1	Alpha-2,8-sialyltransferase 8F	9.3	1	1	45.40	8.95	1
Q8K4Z3	NAD(P)H-hydrate epimerase	17.73	4	115	30.95	7.69	6
Q8K572	Checkpoint protein HUS1B	6.88	1	1	31.23	8.79	1
Q8K596	Protein Slc8a2	2.61	1	1	100.65	5.12	1
Q8N7N5-2	Isoform 2 of DDB1- and CUL4-associated factor 8	6.33	2	6	45.70	5.94	4
Q8QZR3-2	Isoform 2 of Pyrethroid hydrolase Ces2a	9.71	2	73	58.39	6.19	6
Q8QZR5	Alanine aminotransferase 1	29.44	7	364	55.11	6.64	6
Q8QZS1	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	7.27	2	74	43.01	8.06	6
Q8QZT1	Acetyl-CoA acetyltransferase, mitochondrial	6.13	2	132	44.79	8.51	6
Q8QZY1	Eukaryotic translation initiation factor 3 subunit L	5.14	1	1	66.57	6.44	1
Q8R001-2	Isoform 2 of Microtubule-associated protein RP/EB family member 2	10.73	1	1	36.05	6.25	1
Q8R084	Protein Ugt2b1	2.65	1	78	60.12	8.37	6
Q8R086	Sulfite oxidase, mitochondrial	10.26	3	17	60.72	6.54	5
Q8R0F8	Acylpyruvase FAHD1, mitochondrial	11.89	2	45	25.16	7.69	6
Q8R0F9	SEC14-like protein 4	8.44	2	10	46.02	7.12	3
Q8R0V5	Indoleamine 2,3-dioxygenase 2	6.28	1	1	44.44	6.80	1
Q8R0W0	Epiplakin	2.93	1	18	724.18	6.07	6
Q8R0Y6	Cytosolic 10-formyltetrahydrofolate dehydrogenase	29.38	19	782	98.65	5.91	6
Q8R0Z5-2	Isoform 2 of Mitoferrin-2	10.17	1	1	20.02	9.11	1
Q8R146-2	Isoform 2 of Acylamino-acid-releasing enzyme	3.63	1	29	79.91	5.54	6
Q8R164	Valacyclovir hydrolase	15.46	2	15	32.83	8.94	5
Q8R1A8	Ornithine carbamoyltransferase, mitochondrial	8.83	3	99	39.34	8.66	6
Q8R1F6-2	Isoform 2 of Protein HID1	2.29	1	4	88.60	5.94	3
Q8R1G2	Carboxymethylenebutenolidase homolog	11.84	2	52	27.88	7.18	5
Q8R1V2	B3gat1 protein	5.42	1	1	31.81	9.77	1
Q8R1V4	Transmembrane emp24 domain-containing protein 4	7.49	1	41	26.01	8.18	6
Q8R265	Protein Vmn1r197	7.05	1	1	34.19	8.97	1
Q8R284	Protein Vmn1r84	8.81	1	1	35.99	9.10	1

Q8R2S1-2	Isoform 2 of Ribosomal protein S6 kinase-like 1	6.12	1	5	48.83	8.51	2
Q8R2T7	Oxysterol-binding protein	5.92	1	1	65.76	7.39	1
Q8R317-2	Isoform 2 of Ubiquilin-1	5.23	1	1	58.64	4.93	1
Q8R349	Cell division cycle protein 16 homolog	4.84	1	1	71.41	5.76	1
Q8R3E3-2	Isoform 2 of WD repeat domain phosphoinositide-interacting protein 1	4.81	1	1	47.77	6.06	1
Q8R3N1	Nucleolar protein 14	1.51	1	1	98.71	7.59	1
Q8R3N2	Major facilitator superfamily domain-containing protein 6-like	4.44	1	1	63.39	7.66	1
Q8R418-2	Isoform 2 of Endoribonuclease Dicer	1.25	1	1	190.09	5.74	1
Q8R429	Sarcoplasmic/endoplasmic reticulum calcium ATPase 1	7.34	2	2	109.35	5.22	1
Q8R499	NXF2	5.81	1	1	78.27	6.40	1
Q8R4B8-4	Isoform 4 of NACHT, LRR and PYD domains-containing protein 3	3.38	1	1	95.65	7.23	1
Q8R4H2	Rho guanine nucleotide exchange factor 12	0.97	1	1	172.24	5.74	1
Q8R4H7	N-acetylglutamate synthase, mitochondrial	5.69	2	10	57.45	9.00	3
Q8R4H7-2	Isoform 2 of N-acetylglutamate synthase, mitochondrial	4.08	1	5	40.45	7.94	2
Q8R4Y4-2	Isoform 2 of Stabilin-1	0.83	1	1	258.42	6.81	1
Q8R4Y8-2	Isoform 2 of Rotatin	2.33	1	1	67.54	5.54	1
Q8R516-3	Isoform 3 of E3 ubiquitin-protein ligase MIB2	5.1	1	4	32.89	8.32	3
Q8R519	2-amino-3-carboxymuconate-6-semialdehyde decarboxylase	3.57	1	3	38.00	6.25	2
Q8R5M0	PDZ domain-containing protein GIPC3	11.11	1	1	32.09	5.73	1
Q8VBT2	L-serine dehydratase/L-threonine deaminase	11.01	2	7	34.57	7.12	1
Q8VBW8	Tetratricopeptide repeat protein 36	8.06	2	115	20.12	5.29	6
Q8VC12	Urocanate hydratase	19.53	7	81	74.54	7.53	6
Q8VC28	Aldo-keto reductase family 1 member C13	20.12	2	42	37.03	7.08	3
Q8VC30	Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyc	13.49	4	105	59.65	6.92	6
Q8VC81	Group XIIB phospholipase A2-like protein	6.67	1	79	21.71	6.15	6
Q8VC97	Beta-ureidopropionase	3.82	1	62	43.91	6.79	6
Q8VCB3	Glycogen [starch] synthase, liver	2.13	2	20	80.82	6.89	6
Q8VCC2	Liver carboxylesterase 1	8.5	3	155	62.64	6.00	6
Q8VCD5	Mediator of RNA polymerase II transcription subunit 17	5.39	1	1	72.42	7.30	1
Q8VCF0	Mitochondrial antiviral-signaling protein	3.18	1	45	53.37	6.37	6
Q8VCH0	3-ketoacyl-CoA thiolase B, peroxisomal	45.75	12	511	43.97	8.51	6
Q8VCH6	Delta(24)-sterol reductase	3.68	1	4	60.07	8.16	2
Q8VCI5-2	Isoform 2 of Peroxisomal biogenesis factor 19	8.7	1	6	22.76	4.18	3
Q8VCJ6	Mas-related G-protein coupled receptor member F	6.12	1	5	38.50	8.62	3



Q8VCL2	Protein SCO2 homolog, mitochondrial	10.2	1	2	28.93	8.29	2
Q8VCM5-3	Isoform 3 of Mitochondrial ubiquitin ligase activator of NFKB 1	5.76	1	2	39.76	7.62	1
Q8VCN5	Cystathionine gamma-lyase	15.33	4	147	43.54	7.65	6
Q8VCN6	CD99 antigen	13.71	1	2	16.77	5.33	1
Q8VCT4	Carboxylesterase 1D	12.04	3	111	61.75	6.61	6
Q8VCU1	Carboxylesterase 3B	9.11	4	91	63.31	5.92	6
Q8VCW8	Acyl-CoA synthetase family member 2, mitochondrial	12.68	6	225	67.91	8.18	6
Q8VCX1	3-oxo-5-beta-steroid 4-dehydrogenase	11.38	2	79	37.27	6.90	6
Q8VCZ9	Probable proline dehydrogenase 2	9.21	3	31	50.69	8.19	6
Q8VD29	Sodium/potassium/calcium exchanger 3	6.05	1	1	66.05	4.88	1
Q8VDD5	Myosin-9	1.94	1	8	226.23	5.66	5
Q8VDG7	Platelet-activating factor acetylhydrolase 2, cytoplasmic	3.08	1	3	43.53	7.47	2
Q8VDK1-2	Isoform 2 of Nitrilase homolog 1	16.9	3	65	31.87	7.05	6
Q8VDN2	Sodium/potassium-transporting ATPase subunit alpha-1	8.41	6	277	112.91	5.45	6
Q8VE80	THO complex subunit 3	6.55	1	14	38.71	6.09	4
Q8VE95	UPF0598 protein C8orf82 homolog	8.26	1	3	24.31	8.70	2
Q8VEG6-2	Isoform 2 of CCR4-NOT transcription complex subunit 6-like	2.36	1	1	62.41	6.49	1
Q8VEH0	Transmembrane protein 144	6.61	1	1	37.75	7.59	1
Q8VEJ9	Vacuolar protein sorting-associated protein 4A	2.75	1	2	48.88	7.80	1
Q8VEK0	Cell cycle control protein 50A	4.67	1	37	41.03	8.37	6
Q8VEV1	Olfactory receptor	10.65	1	1	34.89	8.19	1
Q8VF27	Olfactory receptor 654	12.02	1	1	38.41	9.47	1
Q8VFI3	Olfactory receptor	10.71	1	1	35.29	8.85	1
Q8VG18	MCG1046646	13.13	1	1	35.73	7.85	1
Q8VGH5	Olfactory receptor	7.32	1	1	34.92	7.97	1
Q8VGJ5	Olfactory receptor	13.46	1	1	35.61	8.98	1
Q8VGK3	Olfactory receptor	4.47	1	1	34.85	8.18	1
Q8VGS3	Olfactory receptor 1019	8.39	1	1	34.84	8.00	1
Q8VGV7	Olfactory receptor	10.41	1	1	35.04	8.85	1
Q8VHP6	Cadherin-related family member 1	1.98	1	1	93.97	5.73	1
Q8VHY0-3	Isoform 3 of Chondroitin sulfate proteoglycan 4	1.12	1	1	184.28	5.19	1
Q8VI47	Canalicular multispecific organic anion transporter 1	1.1	1	1	173.56	8.65	1
Q8VI93	2'-5'-oligoadenylate synthase 3	2.64	1	1	126.25	8.72	1
Q8VIM6	Stereocilin	1.88	1	1	196.22	5.40	1

Q91V12-2	Isoform A of Cytosolic acyl coenzyme A thioester hydrolase	4.73	1	17	37.53	7.52	6
Q91V24	ATP-binding cassette sub-family A member 7	0.74	1	1	236.73	7.28	1
Q91V36	Nuclear receptor-binding protein 2	5.21	1	2	57.31	6.35	1
Q91V76	Ester hydrolase C11orf54 homolog	13.02	3	25	34.97	6.29	6
Q91V92	ATP-citrate synthase	2.75	2	41	119.65	7.44	5
Q91V93	Rho-related BTB domain-containing protein 2	2.34	1	2	82.60	6.95	1
Q91VA7	Isocitrate dehydrogenase 3 (NAD+) beta	11.2	1	3	42.17	8.60	2
Q91VD9	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	7.43	5	115	79.73	5.72	6
Q91VF6-2	Isoform 2 of Collagen alpha-1(XXVI) chain	8.45	1	1	45.53	6.71	1
Q91VH6	Protein MEMO1	5.72	1	1	33.67	7.14	1
Q91VI7	Ribonuclease inhibitor	17.11	3	28	49.78	4.78	6
Q91VL9	Zinc finger and BTB domain-containing protein 1	4.21	1	1	81.90	6.38	1
Q91VR5	ATP-dependent RNA helicase DDX1	2.16	1	18	82.45	7.21	6
Q91VW5	Golgin subfamily A member 4	0.71	1	1	257.41	5.36	1
Q91W18-2	Isoform 2 of Tudor domain-containing protein 3	2.23	1	2	78.97	9.13	2
Q91W43	Glycine dehydrogenase (decarboxylating), mitochondrial	2.93	2	35	113.20	7.56	6
Q91W52	Transmembrane protein 19	13.1	1	1	36.27	7.72	1
Q91WG0	Acylcarnitine hydrolase	6.95	2	166	62.43	5.69	6
Q91WQ3	Tyrosine--tRNA ligase, cytoplasmic	3.41	1	2	59.07	7.01	2
Q91WS0	CDGSH iron-sulfur domain-containing protein 1	10.19	1	1	12.09	9.06	1
Q91WT7	3-alpha-hydroxysteroid dehydrogenase type 1	12.38	2	23	37.16	7.20	6
Q91WT9	Cystathionine beta-synthase	14.8	6	43	61.50	6.48	1
Q91WT9-2	Isoform 2 of Cystathionine beta-synthase	10.97	6	155	60.15	6.61	5
Q91WU0	Expressed sequence AU018778	4.99	2	114	61.57	6.48	6
Q91X34	Bile acid-CoA:amino acid N-acyltransferase	11.9	2	46	46.45	6.68	6
Q91X44	Glucokinase regulatory protein	5.45	2	21	64.64	6.67	6
Q91X52	L-xylulose reductase	9.84	2	20	25.73	7.31	4
Q91X72	Hemopexin	14.78	4	267	51.29	7.80	6
Q91X77-2	Isoform 2 of Cytochrome P450 2C50	11.14	3	164	48.90	8.24	6
Q91X83	S-adenosylmethionine synthase isoform type-1	4.55	2	63	43.48	5.82	6
Q91X91	Nicotinate-nucleotide pyrophosphorylase [carboxylating]	9.36	2	144	31.51	6.71	6
Q91XC9	Peroxisomal membrane protein PEX16	6.25	1	1	38.65	9.72	1
Q91XD4	Formimidoyltransferase-cyclodeaminase	18.67	7	229	58.90	6.11	6
Q91XD6	Vacuolar protein-sorting-associated protein 36	3.89	1	1	43.71	7.15	1

Q91XD7	Cysteine-rich with EGF-like domain protein 1	6.43	1	1	45.69	5.02	1
Q91XE0-2	Isoform 2 of Glycine N-acyltransferase	11.45	2	16	30.13	7.80	3
Q91XE4	N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming)	22.33	3	106	35.26	5.50	6
Q91XQ0-2	Isoform 2 of Dynein heavy chain 8, axonemal	0.76	1	2	479.85	6.13	2
Q91XQ0-3	Isoform 3 of Dynein heavy chain 8, axonemal	2.55	1	1	121.95	6.34	1
Q91XR9	Phospholipid hydroperoxide glutathione peroxidase, nuclear	7.11	1	1	29.23	10.20	1
Q91XX4	MCG133388, isoform CRA_n	3.98	1	2	100.58	5.34	1
Q91Y00	Protein Pcdhb2	5.38	1	2	87.47	4.78	1
Q91Y03	MCG141291	4.86	1	1	88.68	4.98	1
Q91Y17	Protein Pcdha9	2.22	1	4	102.22	5.05	1
Q91Y97	Fructose-bisphosphate aldolase B	45.33	9	1375	39.48	8.27	6
Q91YI4	Beta-arrestin-2	3.9	1	1	46.28	7.66	1
Q91YI6	Poly(A) RNA polymerase GLD2	5.37	1	1	55.90	9.25	1
Q91Z53	Glyoxylate reductase/hydroxypyruvate reductase	23.48	5	191	35.31	7.65	5
Q91Z96-2	Isoform 2 of BMP-2-inducible protein kinase	2	1	1	72.47	8.03	1
Q91ZA3	Propionyl-CoA carboxylase alpha chain, mitochondrial	5.39	3	86	79.87	7.25	5
Q91ZJ5-2	Isoform 2 of UTP--glucose-1-phosphate uridylyltransferase	5.43	2	23	55.68	7.33	3
Q91ZU6	Dystonin	0.26	1	1	833.12	5.31	1
Q91ZV7	Plexin domain-containing protein 1	7.6	1	1	55.60	6.62	1
Q91ZW3	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin s	1.62	1	1	121.55	8.15	1
Q91ZX7	Prolow-density lipoprotein receptor-related protein 1	1.58	3	10	504.41	5.36	2
Q920E5	Farnesyl pyrophosphate synthase	5.95	1	13	40.56	5.66	3
Q920P3	BMP/retinoic acid-inducible neural-specific protein 1	4.47	1	2	88.58	8.97	1
Q921H8	3-ketoacyl-CoA thiolase A, peroxisomal	26.89	2	142	43.93	8.44	3
Q921I1	Serotransferrin	33.14	17	777	76.67	7.18	6
Q921M3-2	Isoform 2 of Splicing factor 3B subunit 3	1.43	1	1	125.23	5.54	1
Q921V7	Choline transporter-like protein 3	4.73	1	1	73.37	7.74	1
Q921X6	DNA-directed RNA polymerase III subunit RPC6	11.71	1	1	35.63	6.11	1
Q921X9	Protein disulfide-isomerase A5	5.03	2	28	59.23	7.50	6
Q922B1	O-acetyl-ADP-ribose deacetylase MACROD1	7.74	2	27	35.27	8.85	6
Q922B2	Aspartate--tRNA ligase, cytoplasmic	2.99	1	2	57.11	6.49	2
Q922B9-3	Isoform 3 of Sperm-specific antigen 2 homolog	3.18	1	1	120.09	5.38	1
Q922D8	C-1-tetrahydrofolate synthase, cytoplasmic	8.56	6	228	101.14	7.14	6
Q922F4	Tubulin beta-6 chain	12.53	1	2	50.06	4.89	1

Q922Q1	Mitochondrial amidoxime reducing component 2	28.4	9	403	38.17	8.68	6
Q922Q8	Leucine-rich repeat-containing protein 59	8.47	2	16	34.86	9.52	6
Q923D5	WW domain-binding protein 11	3.12	1	1	69.83	8.40	1
Q923E4-2	Isoform 2 of NAD-dependent protein deacetylase sirtuin-1	6.69	1	2	59.84	4.65	1
Q924Y0	Gamma-butyrobetaine dioxygenase	10.85	2	12	44.67	6.92	4
Q925J9-4	Isoform 4 of Mediator of RNA polymerase II transcription subunit 1	4.17	2	2	165.35	8.78	1
Q925N2	Sideroflexin-2	3.42	1	5	36.12	8.82	3
Q925P2-3	Isoform 3 of Carcinoembryonic antigen-related cell adhesion molecule 2	6.25	1	3	29.96	9.13	2
Q925T6-3	Isoform 3 of Glutamate receptor-interacting protein 1	1.26	1	2	111.31	6.00	1
Q93092	Transaldolase	3.86	1	50	37.36	7.03	6
Q99J08	SEC14-like protein 2	25.81	6	115	46.27	7.11	6
Q99J87	Probable ATP-dependent RNA helicase DHX58	2.36	1	1	76.66	8.19	1
Q99JB6	Forkhead box protein P3	4.9	1	3	47.32	9.28	2
Q99JN2	Kelch-like protein 22	3.47	1	1	71.64	5.71	1
Q99JW2	Aminoacylase-1	4.66	1	1	45.75	6.32	1
Q99JY0	Trifunctional enzyme subunit beta, mitochondrial	12.21	5	128	51.35	9.38	6
Q99JY9	Actin-related protein 3	8.85	1	1	47.33	5.88	1
Q99K30	Epidermal growth factor receptor kinase substrate 8-like protein 2	3.02	1	1	82.18	7.18	1
Q99K67	Alpha-aminoadipic semialdehyde synthase, mitochondrial	13.17	7	150	102.91	6.87	6
Q99K95	Protein RTF2 homolog	7.17	1	1	33.91	8.81	1
Q99KI0	Aconitate hydratase, mitochondrial	16.03	9	514	85.41	7.93	6
Q99KK2-2	Isoform 2 of N-acylneuraminase cytidyltransferase	8	1	22	22.26	6.00	5
Q99KK7	Dipeptidyl peptidase 3	3.52	1	19	82.85	5.38	6
Q99KP6-3	Isoform 3 of Pre-mRNA-processing factor 19	6.9	2	15	45.89	7.06	5
Q99KR3	Beta-lactamase-like protein 2	12.5	2	37	32.73	6.33	6
Q99KR7	Peptidyl-prolyl cis-trans isomerase F, mitochondrial	10.19	1	12	21.72	9.16	6
Q99KV1	DnaJ homolog subfamily B member 11	6.7	1	2	40.53	6.32	1
Q99L04	Dehydrogenase/reductase SDR family member 1	16.61	4	123	33.98	8.35	6
Q99L13	3-hydroxyisobutyrate dehydrogenase, mitochondrial	10.15	1	39	35.42	8.13	6
Q99L20	Glutathione S-transferase theta 3	16.6	3	51	27.39	7.74	6
Q99L45	Eukaryotic translation initiation factor 2 subunit 2	3.63	1	9	38.07	5.80	3
Q99LB2	Dehydrogenase/reductase SDR family member 4	16.85	2	54	29.87	9.38	6
Q99LB6-2	Isoform 2 of Methionine adenosyltransferase 2 subunit beta	6.79	1	1	36.32	6.60	1
Q99LB7	Sarcosine dehydrogenase, mitochondrial	32.1	17	1347	101.62	6.74	6

Q99LC3	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitoch	3.94	2	7	40.58	7.78	4
Q99LC5	Electron transfer flavoprotein subunit alpha, mitochondrial	26.43	9	491	34.99	8.38	6
Q99LR1	Monoacylglycerol lipase ABHD12	9.05	1	3	45.24	8.72	3
Q99M87-3	Isoform 3 of DnaJ homolog subfamily A member 3, mitochondrial	2.8	1	12	46.82	9.51	4
Q99MN1	Lysine--tRNA ligase	2.35	1	11	67.80	5.94	5
Q99MP8-2	Isoform 2 of BRCA1-associated protein	4.63	1	3	63.91	5.71	2
Q99MR6-3	Isoform C of Serrate RNA effector molecule homolog	2.55	1	1	99.38	5.92	1
Q99MR8	Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	3.77	2	39	79.29	7.83	5
Q99MS8	Tubulin polyglutamylase complex subunit 1	10.56	1	2	32.61	8.94	1
Q99MU3-4	Isoform 4 of Double-stranded RNA-specific adenosine deaminase	5	1	1	72.84	8.70	1
Q99N05	Membrane-spanning 4-domains subfamily A member 4D	16	1	1	23.84	8.84	1
Q99P30-5	Isoform 5 of Peroxisomal coenzyme A diphosphatase NUDT7	14.62	1	22	18.64	6.10	6
Q99PG0	Arylacetylamide deacetylase	4.02	1	18	45.22	7.49	6
Q9CPP6	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5	14.66	2	67	13.35	8.10	6
Q9CPU0	Lactoylglutathione lyase	13.59	2	22	20.80	5.47	5
Q9CPY7-2	Isoform 2 of Cytosol aminopeptidase	34.43	11	346	52.72	7.03	6
Q9CQ21	Malignant T-cell-amplified sequence 2	10.5	1	2	20.42	9.11	2
Q9CQ62	2,4-dienoyl-CoA reductase, mitochondrial	10.75	2	118	36.19	8.95	6
Q9CQ74	Leptin receptor overlapping transcript-like 1	27.48	1	1	14.40	5.17	1
Q9CQ88	Tetraspanin-31	5.71	1	2	22.68	8.44	1
Q9CQA3	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	14.89	3	63	31.79	8.68	6
Q9CQC6	Basic leucine zipper and W2 domain-containing protein 1	6.21	1	1	48.01	5.92	1
Q9CQC9	GTP-binding protein SAR1b	18.69	3	45	22.37	6.11	6
Q9CQQ7	ATP synthase F(0) complex subunit B1, mitochondrial	4.3	1	8	28.93	9.06	3
Q9CQR2	40S ribosomal protein S21	10.84	1	11	9.14	8.51	5
Q9CQR6	Serine/threonine-protein phosphatase 6 catalytic subunit	4.92	1	2	35.14	5.69	2
Q9CR00	26S proteasome non-ATPase regulatory subunit 9	5.41	1	2	24.70	6.43	1
Q9CR51	V-type proton ATPase subunit G 1	16.95	1	1	13.72	7.97	1
Q9CR57	60S ribosomal protein L14	7.37	1	5	23.55	11.02	2
Q9CR58	Kidney mitochondrial carrier protein 1	10.31	1	1	32.26	9.38	1
Q9CR68	Cytochrome b-c1 complex subunit Rieske, mitochondrial	11.68	1	1	29.35	8.70	1
Q9CR98	Protein FAM136A	15.94	1	5	15.66	7.61	2
Q9CRA2	PDZ and LIM domain protein 5	5.61	1	1	23.78	9.92	1
Q9CRB2	H/ACA ribonucleoprotein complex subunit 2	11.11	1	5	17.24	8.41	3

Q9CRB3	5-hydroxyisourate hydrolase	26.27	3	231	13.55	7.87	6
Q9CRC0	Vitamin K epoxide reductase complex subunit 1	8.07	1	34	17.76	9.14	5
Q9CS42	Ribose-phosphate pyrophosphokinase 2	9.43	2	3	34.76	6.61	1
Q9CTN5	Protein SIX	4.01	1	1	66.83	5.62	1
Q9CW42	Mitochondrial amidoxime-reducing component 1	32.35	7	259	37.95	8.59	6
Q9CWD8	Iron-sulfur protein NUBPL	9.72	1	1	34.12	9.07	1
Q9CWH4	Meiotic recombination protein REC114-like	11.2	1	1	28.19	5.33	1
Q9CWI9	Bifunctional purine biosynthesis protein PURH	11.15	3	16	64.18	6.76	5
Q9CWX8	Sorting nexin-2	2.7	1	5	58.43	5.12	4
Q9CWS0	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	14.39	1	10	31.36	5.97	4
Q9CWS1	E3 ubiquitin-protein ligase RNF135	3.6	1	4	46.43	6.60	3
Q9CX83	Armadillo repeat-containing X-linked protein 1	3.51	1	1	50.61	9.33	1
Q9CX97	WD repeat-containing protein 55	4.64	1	1	42.58	4.89	1
Q9CXF0	Kynureninase	5.6	2	13	52.29	6.57	1
Q9CXF7-2	Isoform 2 of Chromodomain-helicase-DNA-binding protein 1-like	4.31	1	2	99.42	6.43	1
Q9CXN7	Phenazine biosynthesis-like domain-containing protein 2	29.51	2	81	31.96	5.34	5
Q9CXS4-2	Isoform 2 of Centromere protein V	32.22	2	56	10.17	7.91	6
Q9CY94	DNA replication complex GINS protein PSF3	7.41	1	2	24.56	5.64	2
Q9CYA0	Cysteine-rich with EGF-like domain protein 2	4.57	1	8	38.19	4.58	4
Q9CYK2-2	Isoform 2 of GlutaminyI-peptide cyclotransferase	6.39	1	3	35.63	6.93	2
Q9CYS6	Uncharacterized protein C2orf72 homolog	9.79	1	1	30.30	6.05	1
Q9CZ13	Cytochrome b-c1 complex subunit 1, mitochondrial	18.54	7	421	52.82	6.21	6
Q9CZ30-2	Isoform 2 of Obg-like ATPase 1	3.7	1	3	30.36	7.24	2
Q9CZD3	Glycine--tRNA ligase	4.8	1	6	81.83	6.65	4
Q9CZD5	Translation initiation factor IF-3, mitochondrial	9.06	1	1	31.72	9.42	1
Q9CZL2	Uncharacterized protein C4orf32 homolog	23.66	1	2	14.50	4.97	1
Q9CZN7	Serine hydroxymethyltransferase	17.46	6	156	55.72	8.47	6
Q9CZP3	Protein Zfp655	2.4	1	27	63.33	6.81	6
Q9CZQ6	Retinoic acid early-inducible protein 1-epsilon	11.95	1	1	28.27	8.41	1
Q9CZR2	N-acetylated-alpha-linked acidic dipeptidase 2	4.59	1	1	82.75	8.37	1
Q9CZS1	Aldehyde dehydrogenase X, mitochondrial	2.12	1	2	57.52	7.02	1
Q9CZU0	MCG9092, isoform CRA_b	8.78	1	10	29.66	8.70	2
Q9CZU4	GTPase Era, mitochondrial	2.97	1	12	48.16	8.78	3
Q9CZU6	Citrate synthase, mitochondrial	1.94	1	5	51.70	8.57	3

Q9D051	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	6.41	1	3	38.91	6.87	3
Q9D0E1-2	Isoform 2 of Heterogeneous nuclear ribonucleoprotein M	2.17	1	19	73.69	8.75	6
Q9D0E3	LysM and putative peptidoglycan-binding domain-containing protein 1	6.19	1	1	24.80	8.92	1
Q9D0F9	Phosphoglucomutase-1	11.03	3	54	61.38	6.57	6
Q9D0I9	Arginine--tRNA ligase, cytoplasmic	2.58	1	1	75.63	7.55	1
Q9D0L6	BMP and activin membrane-bound inhibitor homolog	8.46	1	1	29.18	7.59	1
Q9D0M1	Phosphoribosyl pyrophosphate synthase-associated protein 1	3.93	1	1	39.41	7.20	1
Q9D0M3-2	Isoform 2 of Cytochrome c1, heme protein, mitochondrial	13.91	2	95	29.48	7.05	6
Q9D0R2	Threonine--tRNA ligase, cytoplasmic	5.12	2	11	83.30	7.36	4
Q9D0S9	Histidine triad nucleotide-binding protein 2, mitochondrial	25.15	4	86	17.31	9.82	6
Q9D0V8	Cyclin-dependent kinase 2-interacting protein	6.13	1	1	24.09	6.43	1
Q9D132	Uroplakin-1a	15.56	1	1	28.83	5.33	1
Q9D136	2-oxoglutarate and iron-dependent oxygenase domain-containing protein 3	10.16	1	4	35.36	6.74	2
Q9D172	ES1 protein homolog, mitochondrial	4.89	1	17	28.07	8.78	5
Q9D180	WD repeat-containing protein 65	1.92	1	1	144.84	5.74	1
Q9D1G0	Deoxyribonuclease-1-like 2	5.76	1	2	31.12	5.19	1
Q9D1M0	Protein SEC13 homolog	5.28	1	1	35.54	5.38	1
Q9D1Q6	Endoplasmic reticulum resident protein 44	2.96	1	6	46.82	5.27	4
Q9D236	Serine protease HTRA3	5.88	1	1	49.12	7.12	1
Q9D2A5-2	Isoform 2 of Cyclic AMP-responsive element-binding protein 3-like protein	5.71	1	1	35.00	8.34	1
Q9D2G2	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate	5.73	1	2	48.96	8.95	1
Q9D2H4	MAGEB3	10.61	1	1	35.83	9.83	1
Q9D2H6-2	Isoform 2 of Transcription factor Sp2	2.81	1	1	64.09	9.92	1
Q9D2X8	Uncharacterized protein C8orf76 homolog	6.45	1	1	41.62	5.69	1
Q9D2Z1	Protein Ceacam20	5.55	1	1	63.40	7.15	1
Q9D358	Low molecular weight phosphotyrosine protein phosphatase	10.76	1	1	18.18	6.74	1
Q9D3B1	Very-long-chain (3R)-3-hydroxyacyl-[acyl-carrier protein] dehydratase 2	11.42	1	1	28.38	9.58	1
Q9D3R9	Transcription initiation factor TFIID subunit 7-like	8.49	1	1	52.87	5.12	1
Q9D3V1-2	Isoform 2 of IQ domain-containing protein D	9.65	1	1	49.43	9.09	1
Q9D404	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial	5.23	1	6	48.60	7.06	4
Q9D4R2	Glycosyltransferase 54 domain-containing protein	3.75	1	3	43.27	9.47	2
Q9D5K4-2	Isoform 2 of S100P-binding protein	6.47	1	62	41.34	5.63	6
Q9D5U5	Pseudouridine-5'-monophosphatase	9.83	1	1	26.14	6.06	1
Q9D600	DNA replication complex GINS protein PSF2	13.51	1	1	21.22	5.29	1

Q9D695	Serpin B7	6.05	1	1	43.02	8.19	1
Q9D6F9	Tubulin beta-4A chain	24.77	4	29	49.55	4.88	1
Q9D6J6-2	Isoform 2 of NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondr	28.95	3	54	16.73	5.60	6
Q9D6Y7-4	Isoform 4 of Mitochondrial peptide methionine sulfoxide reductase	7.33	1	4	21.57	8.16	2
Q9D711	Pirin	12.07	1	1	32.05	7.11	1
Q9D7B6	Isobutyryl-CoA dehydrogenase, mitochondrial	14.04	3	140	44.99	8.13	6
Q9D7I5-2	Isoform 2 of Phospholysine phosphohistidine inorganic pyrophosphate phosphatase	13.64	1	1	26.05	5.69	1
Q9D7L8	Transmembrane and immunoglobulin domain-containing protein 1	9.96	1	1	29.03	7.90	1
Q9D7N9	Adipocyte plasma membrane-associated protein	5.54	1	1	46.40	6.32	1
Q9D7Z6	Calcium-activated chloride channel regulator 1	4.16	1	1	100.01	6.01	1
Q9D819	Inorganic pyrophosphatase	17.65	3	93	32.65	5.60	6
Q9D826	Peroxisomal sarcosine oxidase	8.21	2	11	43.82	7.55	4
Q9D842-3	Isoform 3 of Aprataxin and PNK-like factor	7.32	1	1	52.98	5.21	1
Q9D8B4	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 11	11.35	1	15	14.97	8.35	6
Q9D8C3	Putative bifunctional UDP-N-acetylglucosamine transferase and deubiquitina	3.86	2	2	128.58	6.48	1
Q9D8E6	60S ribosomal protein L4	10.74	4	219	47.12	11.00	6
Q9D8H7	Metalloendopeptidase OMA1, mitochondrial	2.69	1	1	58.84	9.39	1
Q9D8N0	Elongation factor 1-gamma	5.26	2	55	50.03	6.74	6
Q9D9D5-2	Isoform 2 of Transmembrane and coiled-coil domain-containing protein 5A	7.07	1	1	33.50	4.91	1
Q9DA08	SAGA-associated factor 29 homolog	11.95	1	1	33.28	8.10	1
Q9DA11	Lysozyme-like protein 6	17.57	1	1	16.81	5.68	1
Q9DAS9	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	19.44	1	8	7.99	8.97	2
Q9DAY6	MCG16556, isoform CRA_a	14.81	1	1	24.00	5.33	1
Q9DB20	ATP synthase subunit O, mitochondrial	21.13	4	69	23.35	9.99	6
Q9DB29	Isoamyl acetate-hydrolyzing esterase 1 homolog	12.85	2	8	27.96	5.52	3
Q9DB77	Cytochrome b-c1 complex subunit 2, mitochondrial	5.3	2	210	48.21	9.25	6
Q9DBA6	Peroxisomal leader peptide-processing protease	2.29	1	17	59.03	7.23	6
Q9DBA8	Probable imidazolonepropionase	21.13	6	165	46.46	6.95	6
Q9DBB8	Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase	4.8	1	13	36.28	6.44	5
Q9DBC0	Selenoprotein O	6.15	2	5	74.18	5.83	2
Q9DBE0	Cysteine sulfinic acid decarboxylase	15.21	3	38	55.11	6.61	5
Q9DBG1	Sterol 26-hydroxylase, mitochondrial	5.25	1	11	60.68	9.14	4
Q9DBJ1	Phosphoglycerate mutase 1	8.66	2	96	28.81	7.18	6
Q9DBL1	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial	9.26	2	34	47.84	7.87	6



Q9DBL2	Ganglioside-induced differentiation-associated protein 2	4.62	1	1	56.23	5.39	1
Q9DBM2	Peroxisomal bifunctional enzyme	6.96	4	233	78.25	9.13	6
Q9DBT9	Dimethylglycine dehydrogenase, mitochondrial	10.13	5	239	97.19	7.88	6
Q9DBW0	Cytochrome P450 4V2	5.33	2	40	60.90	8.47	6
Q9DC16	Endoplasmic reticulum-Golgi intermediate compartment protein 1	9.31	1	1	32.54	7.06	1
Q9DC50	Peroxisomal carnitine O-octanoyltransferase	6.21	2	54	70.22	6.73	6
Q9DC69	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondr	5.31	2	8	42.50	9.74	3
Q9DC70	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	12.05	1	2	24.67	9.92	2
Q9DCC4	Pyrroline-5-carboxylate reductase 3	10.58	2	27	28.70	7.27	5
Q9DCD0	6-phosphogluconate dehydrogenase, decarboxylating	6.63	2	6	53.21	7.23	2
Q9DCD2	Pre-mRNA-splicing factor SYF1	2.57	1	1	99.92	6.23	1
Q9DCE5	p21-activated protein kinase-interacting protein 1	4.97	1	2	42.09	8.47	1
Q9DCG2	CD302 antigen	10.09	2	2	25.41	4.61	1
Q9DCG2-2	Isoform 2 of CD302 antigen	6.85	1	9	24.30	4.56	3
Q9DCG6	Phenazine biosynthesis-like domain-containing protein 1	18.4	1	68	32.03	7.03	6
Q9DCJ5	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8	18.6	2	12	19.98	8.46	3
Q9DCL9	Multifunctional protein ADE2	3.76	1	1	46.98	7.23	1
Q9DCM0	Persulfide dioxygenase ETHE1, mitochondrial	16.14	2	12	27.72	7.23	5
Q9DCM2	Glutathione S-transferase kappa 1	12.39	3	16	25.69	8.88	5
Q9DCN2-2	Isoform 2 of NADH-cytochrome b5 reductase 3	11.11	1	4	31.66	8.38	2
Q9DCT8	Cysteine-rich protein 2	7.69	1	17	22.71	8.63	5
Q9DCU9	4-hydroxy-2-oxoglutarate aldolase, mitochondrial	7.79	1	1	34.62	7.72	1
Q9DCV6	Death ligand signal enhancer	4.31	1	1	55.40	9.17	1
Q9DCW4	Electron transfer flavoprotein subunit beta	31.76	7	709	27.61	8.10	6
Q9DD20	Methyltransferase-like protein 7B	32.38	4	69	28.03	8.59	6
Q9EP82	tRNA (guanine-N(7)-)-methyltransferase non-catalytic subunit WDR4	7.75	1	1	45.73	6.44	1
Q9EPL8	Importin-7	1.54	1	1	119.41	4.82	1
Q9EPM5-3	Isoform 3 of Syncoilin	7.08	1	1	42.20	4.68	1
Q9EQ20	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	17.57	8	261	57.88	8.07	6
Q9EQF5	Dihydropyrimidinase	16.18	5	58	56.69	7.20	6
Q9EQF6	Dihydropyrimidinase-related protein 5	5.32	1	2	61.48	7.09	1
Q9EQR4	Calcium-activated chloride channel regulator 2	2.55	1	2	99.79	7.17	1
Q9ERC8	Down syndrome cell adhesion molecule homolog	2.33	1	2	222.13	7.74	2
Q9ERU9	E3 SUMO-protein ligase RanBP2	0.46	1	2	340.91	6.18	1

Q9ERZ0	Hemogen	8.35	1	1	55.01	4.89	1
Q9ES18	Forkhead box protein J2	4.07	1	2	61.53	6.65	1
Q9ES83	Blood vessel epicardial substance	5.03	1	2	40.99	7.31	1
Q9ESD7-3	Isoform 3 of Dysferlin	0.82	1	1	235.76	5.78	1
Q9ESG4	Collectrin	14.86	1	2	25.05	5.85	2
Q9ESJ4	NCK-interacting protein with SH3 domain	3.5	1	1	78.52	6.05	1
Q9ESP1	Stromal cell-derived factor 2-like protein 1	5.88	1	5	23.63	7.42	2
Q9ET22	Dipeptidyl peptidase 2	3.56	1	11	56.22	5.39	3
Q9JHI5	Isovaleryl-CoA dehydrogenase, mitochondrial	15.33	3	150	46.30	8.29	6
Q9JHK4	Geranylgeranyl transferase type-2 subunit alpha	2.65	1	1	64.95	5.80	1
Q9JHW2	Omega-amidase NIT2	40.58	4	71	30.48	6.90	6
Q9JI57-3	Isoform 3 of General transcription factor II-I repeat domain-containing protei	2.76	1	1	105.17	6.37	1
Q9JI71	Delta-like protein 4	3.79	1	1	74.94	7.36	1
Q9JI75	Ribosyldihyronicotinamide dehydrogenase [quinone]	11.26	2	12	26.23	7.01	5
Q9JIB3	Baculoviral IAP repeat-containing protein 1g	1.07	1	1	159.56	5.78	1
Q9JID9	SH2B adapter protein 2	2.74	1	1	66.52	6.35	1
Q9JIF7	Coatomer subunit beta	2.83	1	2	107.00	6.00	2
Q9JII6	Alcohol dehydrogenase [NADP(+)]	21.23	3	20	36.56	7.39	2
Q9JIK9	28S ribosomal protein S34, mitochondrial	8.72	1	1	25.81	10.43	1
Q9JIL4	Na(+)/H(+) exchange regulatory cofactor NHE-RF3	3.47	1	10	56.46	5.43	5
Q9JJ11-2	Isoform 2 of Transforming acidic coiled-coil-containing protein 3	3.14	1	1	60.93	4.81	1
Q9JJ57-3	Isoform 3 of Kv channel-interacting protein 1	17.02	1	1	22.08	5.17	1
Q9JL3	Solute carrier organic anion transporter family member 1B2	4.35	1	57	76.68	8.68	6
Q9JN0	DNA polymerase eta	5.04	1	1	76.12	8.34	1
Q9JX8	Serine/threonine-protein kinase 32B	7.49	1	1	47.89	7.58	1
Q9JK38	Glucosamine 6-phosphate N-acetyltransferase	7.61	1	6	20.78	7.69	2
Q9JK84	Partitioning defective 6 homolog gamma	9.16	1	1	42.31	7.87	1
Q9JKD9-2	Isoform 2 of Zinc finger and BTB domain-containing protein 32	15.84	1	2	11.01	10.48	1
Q9JKK8	Serine/threonine-protein kinase ATR	0.83	1	4	300.03	7.53	3
Q9JKS4-4	Isoform 4 of LIM domain-binding protein 3	4.5	1	1	67.03	7.99	1
Q9JKW0	ADP-ribosylation factor-like protein 6-interacting protein 1	4.93	1	1	23.42	9.32	1
Q9JKY7	Cytochrome P450 CYP2D22	13.8	3	112	56.43	6.98	6
Q9JLC8-2	Isoform 2 of Sacsin	1.1	1	1	436.48	7.14	1
Q9JLI0	Aldo-keto reductase a	17.96	3	19	37.04	6.64	5

Q9JLI6	Selenocysteine lyase	3.94	1	2	47.14	6.80	2
Q9JLJ2	4-trimethylaminobutyraldehyde dehydrogenase	37.85	11	412	53.48	6.98	6
Q9JLK7-2	Isoform S-CaBP1 of Calcium-binding protein 1	9.58	1	1	19.34	4.83	1
Q9JLL0	Cysteine-rich motor neuron 1 protein	3.18	1	1	113.99	5.34	1
Q9JLT4-3	Isoform 3 of Thioredoxin reductase 2, mitochondrial	4.21	1	1	38.45	9.60	1
Q9JLV1	BAG family molecular chaperone regulator 3	3.99	1	2	61.82	7.27	2
Q9JLZ6-2	Isoform 2 of Hypermethylated in cancer 2 protein	4.06	1	1	60.15	5.36	1
Q9JM55	Protein Tob2	7.83	1	1	36.78	7.94	1
Q9JMJ2	F-box/WD repeat-containing protein 4	5.61	1	2	46.11	8.22	2
Q9QUG2-2	Isoform 2 of DNA polymerase kappa	2.44	1	2	82.63	5.49	1
Q9QWG7	Sulfotransferase family cytosolic 1B member 1	11.71	1	1	34.88	6.80	1
Q9QWK5	Baculoviral IAP repeat-containing protein 1a	2.07	1	1	158.62	6.30	1
Q9QXD1	Peroxisomal acyl-coenzyme A oxidase 2	7.49	2	53	76.81	7.46	6
Q9QXD6	Fructose-1,6-bisphosphatase 1	24.26	5	317	36.89	6.57	6
Q9QXE7	F-box-like/WD repeat-containing protein TBL1X	4.36	1	1	56.77	5.72	1
Q9QXF8	Glycine N-methyltransferase	25.26	5	742	32.65	7.44	6
Q9QXT9	Zinc finger protein 354B	5.66	1	1	68.62	9.45	1
Q9QXX4	Calcium-binding mitochondrial carrier protein Aralar2	6.8	3	129	74.42	8.60	6
Q9QXZ6	Solute carrier organic anion transporter family member 1A1	1.94	1	16	74.35	8.22	6
Q9QY81	Nuclear pore membrane glycoprotein 210	1.54	1	1	203.97	6.65	1
Q9QYG0-2	Isoform 2 of Protein NDRG2	11.2	2	6	39.26	5.63	2
Q9QYI8	DnaJ homolog subfamily B member 7	4.81	1	2	35.60	8.35	1
Q9QYJ0	DnaJ homolog subfamily A member 2	3.16	1	26	45.72	6.48	6
Q9QYR6	Microtubule-associated protein 1A	0.9	1	1	299.96	5.00	1
Q9QYX7-2	Isoform 2 of Protein piccolo	0.88	1	1	527.93	6.35	1
Q9QYY9	Alcohol dehydrogenase 4	16.18	4	75	40.18	7.83	6
Q9QZ04	MAGE-like protein 2	3.88	1	2	54.49	6.47	1
Q9QZ23	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial	6.27	1	9	28.55	5.03	3
Q9QZD8	Mitochondrial dicarboxylate carrier	10.8	2	80	31.69	9.32	6
Q9QZE5	Coatomer subunit gamma-1	1.95	1	1	97.45	5.35	1
Q9QZI9	Serine incorporator 3	8.47	1	1	52.59	7.23	1
Q9QZM0	Ubiquilin-2	6.11	1	2	67.31	5.22	1
Q9QZW0-2	Isoform 2 of Probable phospholipid-transporting ATPase 11C	4.4	3	66	127.43	6.96	6
Q9QZX7-2	Isoform 2 of Serine racemase	5.1	1	8	34.01	6.01	4

Q9R045	Angiopoietin-related protein 2	8.72	1	2	57.07	7.75	2
Q9R099	Transducin beta-like protein 2	8.37	1	1	49.55	9.04	1
Q9R0N0	Galactokinase	4.08	1	1	42.27	5.26	1
Q9R0N7	Synaptotagmin-7	10.67	1	1	45.44	9.28	1
Q9R0P5	Destrin	6.67	1	16	18.51	7.97	4
Q9R0Q1	Synaptotagmin-like protein 4	2.38	1	1	75.97	8.84	1
Q9R0Q6	Actin-related protein 2/3 complex subunit 1A	8.65	1	2	41.60	8.18	2
Q9R112	Sulfide:quinone oxidoreductase, mitochondrial	6	2	55	50.25	9.09	6
Q9R190	Metastasis-associated protein MTA2	4.34	1	1	74.98	9.67	1
Q9R1J0	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	5.25	1	3	40.66	7.85	2
Q9R1P1	Proteasome subunit beta type-3	5.85	1	25	22.95	6.55	6
Q9R1P4	Proteasome subunit alpha type-1	5.32	1	3	29.53	6.46	1
Q9R1R8	Retinol dehydrogenase 11	10.67	2	18	33.22	8.79	5
Q9WTI7-4	Isoform 4 of Unconventional myosin-Ic	2.49	1	1	111.22	9.35	1
Q9WTP6-2	Isoform 2 of Adenylate kinase 2, mitochondrial	31.47	4	183	25.59	7.42	6
Q9WTP7	GTP:AMP phosphotransferase AK3, mitochondrial	6.17	1	45	25.41	8.84	6
Q9WTQ5-2	Isoform 2 of A-kinase anchor protein 12	2.59	1	1	169.77	4.46	1
Q9WTS5	Teneurin-2	0.62	1	1	306.27	6.68	1
Q9WTV7	E3 ubiquitin-protein ligase RLIM	4.83	1	1	66.34	6.90	1
Q9WTW4	Transcription factor EC	12.3	1	1	35.12	6.79	1
Q9WTW5	Solute carrier family 22 member 3	2.9	1	1	61.01	8.15	1
Q9WTX8-2	Isoform 2 of Mitotic spindle assembly checkpoint protein MAD1	3.7	1	1	60.11	5.66	1
Q9WU19	Hydroxyacid oxidase 1	3.24	1	86	40.98	7.72	6
Q9WU78-2	Isoform 2 of Programmed cell death 6-interacting protein	8.11	1	85	24.91	6.54	6
Q9WU79	Proline dehydrogenase 1, mitochondrial	3.17	1	5	67.99	8.24	3
Q9WU84	Copper chaperone for superoxide dismutase	5.11	1	1	28.89	6.10	1
Q9WUA2	Phenylalanine--tRNA ligase beta subunit	2.21	1	2	65.66	7.12	1
Q9WUD1	STIP1 homology and U box-containing protein 1	4.93	1	1	34.89	6.01	1
Q9WUI1	Mitogen-activated protein kinase 11	7.97	1	1	41.37	5.78	1
Q9WUM3	Coronin-1B	2.27	1	8	53.88	5.78	3
Q9WUM5	Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial	11.56	3	323	36.13	9.39	6
Q9WUR2-2	Isoform 2 of Enoyl-CoA delta isomerase 2, mitochondrial	10.89	2	46	39.48	8.43	6
Q9WUU7	Cathepsin Z	9.48	1	5	33.97	6.60	4
Q9WV91	Prostaglandin F2 receptor negative regulator	3.19	1	1	98.66	6.61	1

Q9WVA2	Mitochondrial import inner membrane translocase subunit Tim8 A	11.34	1	37	11.04	5.16	6
Q9WVF5	Epidermal growth factor receptor	3.21	1	23	72.86	7.01	5
Q9WVL0	Maleylacetoacetate isomerase	19.44	3	72	24.26	7.85	6
Q9WVQ5	Methylthioribulose-1-phosphate dehydratase	10.37	1	1	26.93	6.90	1
Q9Z0K8	Pantetheinase	5.86	1	1	57.05	5.94	1
Q9Z0N1	Eukaryotic translation initiation factor 2 subunit 3, X-linked	2.97	1	1	51.03	8.40	1
Q9Z0N2	Eukaryotic translation initiation factor 2 subunit 3, Y-linked	6.78	2	2	51.10	8.50	1
Q9Z0R6	Intersectin-2	1.75	1	1	188.79	8.13	1
Q9Z148-2	Isoform 2 of Histone-lysine N-methyltransferase EHMT2	3.07	1	1	128.34	5.40	1
Q9Z179	SHC SH2 domain-binding protein 1	4.94	1	1	75.87	4.97	1
Q9Z1J1	Transcription factor 7-like 1	2.74	1	2	62.26	9.03	2
Q9Z1L5	Voltage-dependent calcium channel subunit alpha-2/delta-3	3.48	1	1	122.70	5.73	1
Q9Z1Q9	Valine--tRNA ligase	3.56	2	13	140.13	7.77	3
Q9Z1Z2	Serine-threonine kinase receptor-associated protein	4.29	1	8	38.42	5.12	2
Q9Z205-2	Isoform Short of DNA-binding protein RFXANK	12.36	1	1	28.31	4.70	1
Q9Z206-2	Isoform 2 of Neuroepithelial cell-transforming gene 1 protein	2.77	1	2	61.73	8.72	1
Q9Z265	Serine/threonine-protein kinase Chk2	3.3	1	1	61.05	6.27	1
Q9Z2A9-2	Isoform 2 of Gamma-glutamyltransferase 5	3.51	1	1	49.33	7.84	1
Q9Z2H1	Regulator of G-protein signaling 11	5.19	1	1	51.04	7.55	1
Q9Z2I8-2	Isoform 2 of Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondria	6.51	1	1	41.32	5.44	1
Q9Z2I9	Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial	2.59	1	5	50.08	7.01	4
Q9Z2U0	Proteasome subunit alpha type-7	8.47	2	10	27.84	8.46	3
Q9Z2V4	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]	9.81	3	18	69.31	6.60	5
Q9Z2W0	Aspartyl aminopeptidase	10.15	2	50	52.17	7.25	5
Q9Z2Z6	Mitochondrial carnitine/acylcarnitine carrier protein	12.29	2	18	33.00	9.11	5
Q9Z2Z9	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2	3.37	1	1	76.96	7.15	1
S4R1C9	Piezo-type mechanosensitive ion channel component 2 (Fragment)	2.69	1	1	126.67	5.41	1
S4R1E5	Glutathione peroxidase	11.46	1	5	17.92	7.88	4
S4R1I6	MCG2872, isoform CRA_b	3.69	1	47	46.04	8.34	6
S4R1L5	Baculoviral IAP repeat-containing protein 6	0.43	1	3	528.99	6.02	2
S4R1M0	Receptor-type tyrosine-protein phosphatase C	3.19	1	1	128.49	6.38	1
S4R1U9	RIKEN cDNA 1300018J18, isoform CRA_b	4.38	1	2	31.77	7.90	2
S4R1W1	Uncharacterized protein	25.23	1	139	35.79	8.03	6
S4R257	Glyceraldehyde-3-phosphate dehydrogenase (Fragment)	39.64	2	637	29.92	8.35	6

S4R294	Protein PRRC2C	1.17	1	2	297.93	9.16	2
S4R2A9	Protein transport protein Sec31A (Fragment)	3.32	3	43	101.03	8.41	4
S4R2D5	Ubiquitin-like modifier-activating enzyme ATG7	2.75	1	1	68.20	6.54	1
S4R2K4	Protein Abhd12b	10.64	1	1	31.51	7.09	1
S4R2N1	G1/S-specific cyclin-D3 (Fragment)	21.01	1	2	13.80	8.78	1
S4R2N4	Protein Sipal13	3.58	1	1	78.70	9.31	1
S4R2N6	Protein Gm26919	2.52	1	5	102.45	8.79	4
S4R2U2	Copine-9	32.61	1	1	4.75	6.33	1
V9GWX8	Collagen alpha-1(XI) chain (Fragment)	3.36	1	1	51.39	4.98	1
V9GXB2	C2 domain-containing protein 3 (Fragment)	36	1	1	10.92	5.86	1
V9GXG3	Protein Pabpc4	9.52	1	2	18.74	7.85	2
V9GXL8	Protein Rgs11	9.92	1	1	45.85	9.44	1
V9GXP5	Zinc finger homeobox protein 4 (Fragment)	22.77	1	1	11.09	4.78	1

<sup>a</sup> Accession number provided from the Uniprot mouse database (05/21/2014, 51344 sequences). <sup>b</sup> Sequence coverage. <sup>c</sup> Number of unique peptides identified. <sup>d</sup> Spectral counts. <sup>e</sup> Molecular weight. <sup>f</sup> Isoelectrical point. <sup>g</sup> Number of biological replicates in which the corresponding proteins are identified.