

Accession	Description	Score	Coverage	# Proteins	# Unique Peptides	# Peptides	# PSMs	Molecular Function	Cellular Component	Biological Process	Pfam IDs	STZ/control	P-value STZ/control	STZ/control Count	STZ/control Variability (%)	# AAs	MW [kDa]	calc. pI
33859624	protein S100-A4 [Mus musculus]	88.32	16.83			2	2	4 in binding: RNA binding	n; extracellular; nucleus	ss: response to stimulus	Pf01023	0.301	0.000	4	31.8	101	11.7	5.31
226246531	phosphoglycerate kinase 2 [Mus musculus]	185.47	17.75	2	1	7		14 ility: nucleotide binding	cytoplasm; nucleus	nt; metabolic process	Pf00142	0.307	0.000	2	79.5	417	44.8	6.80
134023662	14-3-3 protein sigma [Mus musculus]	385.80	17.74	1	1	5	18	protein binding	lar; membrane; nucleus	ie to stimulus; transport	Pf00244	0.312	0.000	1		248	27.7	4.78
6755923	ubiquitin-like modifier-activating enzyme 1 Y [Mus musculus]	251.57	7.09	1	1	8		14 ility: nucleotide binding		metabolic process	Pf00899; Pf02134; Pf09	0.315	0.000	1		1058	118.0	5.55
6678103	serpin B5 [Mus musculus]	36.30	1.87	1	1	1		1 zyme regulator activity	cytoplasm; extracellular	al process; reproduction	Pf00079	0.336	0.000	1		375	42.1	5.77
269914154	uncharacterized protein LOC239673 [Mus musculus]	122.81	14.50	12	1	9		14 ictural molecule activity	cytoskeleton		Pf00038; Pf01576; Pf09	0.349	0.000	1		538	58.2	8.25
443497949	beta-enolase [Mus musculus]	409.12	9.22	1	1	3		9 binding: protein binding	intracellular; membrane	ss: response to stimulus	Pf00113; Pf03952	0.350	0.000	1		434	47.0	7.18
124244098	alkaline phosphatase, placental-like precursor [Mus musculus]	43.02	1.70	1	1	1		1 ility: metal ion binding	cytoplasm; membrane	metabolic process	Pf00245	0.390	0.000	1		529	57.2	6.80
498752597	hemoglobin subunit beta-1 [Mus musculus]	728.02	42.86	1	1	6		28 binding: transporter activity	n; cytosol; extracellular	ie to stimulus; transport	Pf00042	0.393	0.000	3	4.1	147	15.8	7.65
17647499	hemoglobin subunit beta-1 [Mus musculus]	737.24	59.18	1	4	9		32 binding: transporter activity	sm; cytosol; membrane	ie to stimulus; transport	Pf00042	0.424	0.000	6	19.1	147	15.9	8.05
124248512	carbamoyl-phosphate synthase [ammonia], mitochondrial precursor	140.24	5.13	1	7	7		11 binding: protein binding	ucleus; organelle lumen	ss: response to stimulus	Pf00117; Pf00289; Pf00	0.433	0.000	5	35.3	1500	164.5	6.92
6755392	protein S100-A6 [Mus musculus]	54.96	26.97	1	3	3		4 binding: transporter activity	lar; membrane; nucleus		Pf01023	0.461	0.000	4		89	10.0	5.48
119433657	histone H2A type 2-B [Mus musculus]	257.34	13.85	1	1	2		18 binding: protein binding	extracellular; nucleus	esis; metabolic process	Pf00125; Pf00808	0.479	0.000	9	5.5	130	14.0	10.89
157277946	vomeroneural receptor Vmn2r4 [Mus musculus]	0.00	0.85	3	1	1		1 gnal transducer activity	membrane	ss: response to stimulus	Pf00003; Pf01094; Pf07	0.483	0.000	1		824	92.8	6.77
14861854	keratin, type II cytoskeletal 7 [Mus musculus]	159.83	11.16	8	3	6		11 ictural molecule activity	lgi; membrane; nucleus	gical process; transport	Pf00038; Pf01576; Pf06	0.503	0.000	3	0.1	457	50.7	5.87
21450321	sodium/potassium-transporting ATPase subunit alpha-3 [Mus musculus]	404.94	12.92	5	1	13		19 binding: transporter activity	lgi; membrane; nucleus	ie to stimulus; transport	Pf00122; Pf00689; Pf00	0.504	0.000	1		1053	115.9	5.64
254540068	keratin, type I cytoskeletal 18 [Mus musculus]	279.46	17.02	9	4	7		13 ictural molecule activity	ucleus; organelle lumen	ie to stimulus; transport	Pf00038	0.506	0.000	3	91.6	423	47.5	5.33
19527116	phosphoserine phosphatase [Mus musculus]	30.28	3.56	1	1	1		1 binding: protein binding	cytoplasm	ss: response to stimulus	Pf00702; Pf05822; Pf12	0.520	0.000	1		225	25.1	6.14
13386452	histone H2B type 3-A [Mus musculus]	376.13	42.86	3	1	7		30 binding: protein binding	ucleus; organelle lumen	esis; metabolic process	Pf00125	0.531	0.000	1		126	14.0	10.37
21322238	calcium-binding protein 7 [Mus musculus]	0.00	3.26	1	1	1		1 metal ion binding	lasm; Golgi; membrane		Pf00036	0.545	0.000	1		215	24.4	4.67
347582617	protein S100-A13 [Mus musculus]	0.00	4.38	1	1	1		1 binding: protein binding	lar; membrane; nucleus	ie to stimulus; transport	Pf01023	0.547	0.000	1		160	17.7	6.57
482677666	tropomyosin beta chain isoform 3 [Mus musculus]	133.28	25.70	3	2	9		14 ictural molecule activity	cytoplasm; cytoskeleton	ion of biological process	Pf00261; Pf12718	0.551	0.000	3	4.8	284	32.9	4.67
124486702	alpha-1B-glycoprotein precursor [Mus musculus]	28.13	1.17	1	1	1		1 protein binding	extracellular			0.554	0.000	1		512	56.5	6.79
7305599	transferrin precursor [Mus musculus]	45.82	8.84	1	1	1		1 protein binding	extracellular	ollic process; transport	Pf00576	0.580	0.000	1		147	15.8	6.79
124487139	filamin-C [Mus musculus]	192.53	3.08	1	1	8		8 protein binding	ytoskeleton; membrane	cell differentiation	Pf00307; Pf00630	0.584	0.000	1		2726	290.9	5.95
124487323	intestinal alkaline phosphatase precursor [Mus musculus]	40.34	4.51	2	2	2		9 binding: protein binding	cell surface; membrane	metabolic process	Pf00038	0.591	0.000	9	30.8	554	59.5	6.10
124398299	heat shock 70 kDa protein 1A [Mus musculus]	762.99	21.53	2	5	14		43 in binding: RNA binding	ucleus; organelle lumen	n; response to stimulus	Pf00012; Pf06723	0.592	0.000	6	31.8	641	70.0	5.72
46879190	EGF-like repeat and discoidin I-like domain-containing protein 3 isoform 1 [Mus musculus]	0.00	2.13	2	1	1		1 binding: protein binding	extracellular	ion of biological process	Pf00008; Pf00754	0.593	0.000	1		470	52.7	7.80
30061327	histone H2A type 1-H [Mus musculus]	262.93	17.97	10	1	3		24 binding: protein binding	extracellular; nucleus	esis; metabolic process	Pf00125	0.620	0.000	10	19.4	128	13.9	11.03
7106335	keratin, type I cytoskeletal 17 [Mus musculus]	246.16	15.01	12	4	8		11 ictural molecule activity	cytoskeleton; extracellular	ss: response to stimulus	Pf00038; Pf01576; Pf07	0.624	0.000	4	10.5	433	48.1	5.06
10946578	thymosin beta-4 [Mus musculus]	0.00	29.55	1	1	1		1 protein binding	keleton; cytosol; nucleus	ion of biological process	Pf01290	0.629	0.000	1		44	5.0	5.06
225903450	protein FAM203A [Mus musculus]	0.00	2.04	1	1	1		1 protein binding	keleton; cytosol; nucleus	ion of biological process	Pf01290	0.639	0.000	1		393	42.9	4.74
254553348	6-phosphofructokinase, muscle type [Mus musculus]	110.67	6.28	2	2	6		7 binding: protein binding	sm; cytosol; membrane	gical process; transport	Pf00365	0.648	0.000	3	7.9	780	85.2	8.00
22122833	G-protein coupled receptor 1 [Mus musculus]	24.56	2.55	1	1	1		1 gnal transducer activity	membrane	ss: response to stimulus	Pf00001	0.648	0.000	1		353	40.9	8.34
33468885	calyculin-binding protein [Mus musculus]	86.97	24.02	1	5	5		7 protein binding	n; extracellular; nucleus	ss: response to stimulus	Pf00496; Pf05002; Pf09	0.649	0.000	7	56.0	229	26.5	7.87
86474054	VGF nerve growth factor inducible precursor [Mus musculus]	0.00	3.08	1	1	1		1 protein binding	extracellular; membrane	ie to stimulus; transport		0.653	0.000	1		617	68.2	4.70
51092303	Try10-like trypsinogen precursor [Mus musculus]	78.26	4.07	2	1	1		3 catalytic activity		metabolic process	Pf00089	0.662	0.000	3	9.7	246	26.5	5.06
6680117	glutathione synthetase [Mus musculus]	35.66	1.69	1	1	1		1 binding: protein binding	extracellular	ss: response to stimulus	Pf03199; Pf03917	0.670	0.000	1		474	52.2	5.80
145301549	hemoglobin alpha, adult chain 2 [Mus musculus]	637.80	30.99	2	5	5		38 binding: transporter activity	extracellular; ribosome	ie to stimulus; transport	Pf00042	0.674	0.000	22	15.0	142	15.1	8.22
85861229	general transcription factor 3C polypeptide 2 [Mus musculus]	0.00	0.77	1	1	1		1 binding: protein binding	nucleus	metabolic process	Pf00400	0.677	0.000	1		907	100.2	6.54
110625757	DNA-directed RNA polymerase II subunit RPB9 [Mus musculus]	0.00	10.40	1	1	1		1 iding: metal ion binding	ucleus; organelle lumen	metabolic process	Pf01096; Pf02150	0.679	0.000	1		125	14.5	5.17
6755196	proteasome subunit alpha type-4 [Mus musculus]	93.62	13.03	1	4	4		6 catalytic activity	ar; nucleus; proteasome	metabolic process	Pf00227; Pf10584	0.682	0.000	6	13.8	261	29.5	7.72
21311939	cap-specific mRNA (nucleoside-2'-O-)-methyltransferase 1 [Mus musculus]	37.26	1.19	1	1	1		1 ivity: protein binding	cytoplasm; nucleus	metabolic process	Pf01585; Pf01728	0.682	0.000	1		837	95.6	7.27
30794412	TATA-binding protein-associated factor 2N [Mus musculus]	61.07	4.13	1	1	3		4 binding: RNA binding	cytoplasm; nucleus		Pf00076; Pf00641	0.687	0.000	1		557	58.6	8.40
407264682	PREDICTED: alpha-1-1 trypsin 1-1 isoform 2 [Mus musculus]	76.07	10.44	6	2	5		5 ivity: protein binding	extracellular; membrane	ss: response to stimulus	Pf00079	0.689	0.000	1		412	45.7	5.30
51010909	trypsin 5 precursor [Mus musculus]	19.61	8.13	2	1	1		14 ility: metal ion binding	extracellular	metabolic process	Pf00089	0.692	0.000	14	9.5	246	26.3	5.30
21362321	RING finger protein 126 [Mus musculus]	0.00	2.56	1	1	1		1 binding: protein binding	cytoplasm; nucleus	metabolic process	Pf00097; Pf12678; Pf12	0.693	0.000	1		313	34.1	5.17
6671549	peroxiredoxin-6 [Mus musculus]	158.46	27.68	3	6	6		7 ivity: catalytic activity	mitochondrion; vacuole	ss: response to stimulus	Pf00578; Pf08534; Pf10	0.698	0.000	7	18.7	224	24.8	6.37
158749553	splicing factor 3A subunit 2 [Mus musculus]	18.66	1.65	1	1	1		1 in binding: RNA binding	ss; spliceosomal complex	metabolic process	Pf12874	0.699	0.000	1		485	51.2	9.64
28461135	heat shock 70 kDa protein 12A [Mus musculus]	25.02	2.07	1	1	1		1 nucleotide binding	extracellular		Pf00012	0.711	0.000	1		675	74.8	6.77
111185930	transmembrane protease serine 13 [Mus musculus]	21.16	1.46	1	1	1		2 binding: receptor activity	extracellular; membrane	ollic process; transport	Pf00089; Pf00530; Pf09	0.713	0.000	2	9.6	548	60.3	9.07
130503301	serine protease inhibitor A3N precursor [Mus musculus]	130.53	7.89	4	1	2		5 zyme regulator activity	extracellular	ss: response to stimulus	Pf00079	0.717	0.000	1		418	46.7	5.82
270309161	programmed cell death protein 4 [Mus musculus]	33.34	2.35	1	1	1		1 in binding: RNA binding	plasm; cytosol; nucleus	ss: response to stimulus	Pf02847	0.719	0.000	1		469	51.7	5.16
22122737	BTB/POZ domain-containing protein KCTD15 [Mus musculus]	0.00	3.53	1	1	1		1 ing: transporter activity		ogenesis; development	Pf02214	0.720	0.000	1		283	31.9	7.40
157951596	carbonic anhydrase 2 [Mus musculus]	45.26	3.85	1	1	1		1 ility: metal ion binding	extracellular; membrane	ie to stimulus; transport	Pf00194	0.721	0.000	1		260	29.0	7.01
51317401	pirin [Mus musculus]	29.67	3.10	1	1	1		1 ility: metal ion binding	cytoplasm; nucleus	ion of biological process	Pf02678; Pf05726	0.721	0.000	1		290	32.0	7.11
188497724	hepatoma-derived growth factor [Mus musculus]	127.11	23.21	3	5	6		8 binding: RNA binding	n; extracellular; nucleus	ion of biological process	Pf00855	0.722	0.000	6	7.8	237	26.3	4.83
6754304	interferon beta precursor [Mus musculus]	0.00	7.14	1	1	1		1 protein binding	extracellular	ss: response to stimulus	Pf00143	0.726	0.001	1		182	22.1	9.67
157951676	apolipoprotein A-II precursor [Mus musculus]	83.79	18.63	1	2	2		3 ing: transporter activity	n; cytosol; extracellular	ie to stimulus; transport	Pf04711	0.727	0.001	2	32.8	102	11.3	7.18
70778915	moesin [Mus musculus]	496.37	16.98	1	6	16		48 in binding: RNA binding	ucleus; organelle lumen	ion of biological process	Pf00373; Pf00769; Pf09	0.727	0.001	7	24.0	577	67.7	6.60
9789999	G kinase-anchoring protein 1 [Mus musculus]	45.83	2.46	1	1	1		1 protein binding	cytoplasm	ss: response to stimulus		0.729	0.001	1		366	41.7	8.82
163310765	serum albumin precursor [Mus musculus]	2341.89	42.27	1	26	26		119 binding: protein binding	n; extracellular; nucleus	ie to stimulus; transport	Pf00273	0.733	0.001	83	35.0	688	68.6	6.07
13386186	CCR4-NOT transcription complex subunit 8 [Mus musculus]	0.00	3.77	1	1	1		1 in binding: RNA binding	cytoplasm; nucleus	ion of biological process	Pf04857	0.733	0.001	1		292	33.6	4.81
224809563	nuclear ubiquitously casein and cyclin-dependent kinase substrate 1	62.78	3.86	2	1	1		1 RNA binding	cytoplasm; nucleus	development		0.734	0.001	1		233	26.2	5.12
124430543	scorin isoform 2 [Mus musculus]	75.00	16.94	2	3	3		3 binding: protein binding	embrane; mitochondrion	ie to stimulus; transport		0.736	0.001	3	6.7	183	20.3	5.34
6754508	LIM and SH3 domain protein 1 [Mus musculus]	70.48	8.75	1	3	3		4 ing: transporter activity	cytoplasm; cytoskeleton	transport	Pf00018; Pf00412; Pf00	0.737	0.001	3	7.7	263	30.0	7.05
61743961	AHNK nucleoprotein isoform 1 [Mus musculus]	161.20	14.50	1	8	9		11 ictural molecule activity	brane; nucleus; vacuole	gical process; transport		0.740	0.001	8	15.4	5656	603.9	6.30
117606270	nucleoside diphosphate kinase B [Mus musculus]	268.58	42.11	2	2	7		20 binding: protein binding	mitochondrion; nucleus	ss: response to stimulus	Pf00334	0.740	0.001	3	9.6	152	17.4	7.50
166706889	transcription factor 20 isoform b [Mus musculus]	0.00	1.27</															

40254595	dihydropyrimidinase-related protein 2 [Mus musculus]	126.35	10.31	3	3	4	4 activity: protein binding	mbane: mitochondrion	ie to stimulus; transport	Pf01979; Pf07969	0.755	0.002	3	14.9	572	62.2	6.38	
30425122	protein FAM118B isoform 2 [Mus musculus]	0.00	2.91	2	1	1	1	catalytic activity			0.755	0.002	1		275	30.8	8.57	
357527384	methylacetacetate isomerase isoform 2 [Mus musculus]	19.50	6.21	2	1	1	1 activity: protein binding	toplasm: mitochondrion	metabolic process	Pf00043; Pf02798	0.758	0.002	1		161	18.0	7.28	
261824000	proteasome subunit alpha type-3 [Mus musculus]	163.00	20.00	1	5	5	10 activity: protein binding	in: nucleus; proteasome	metabolic process	Pf00227; Pf10584	0.759	0.002	9	7.7	255	28.4	5.44	
124339838	heat shock 70 kDa protein 1-like [Mus musculus]	985.37	17.94	1	1	12	48 binding: protein binding	ucleus; organelle lumen	in: response to stimulus	Pf00012; Pf06723	0.761	0.003	2	2.9	641	70.6	6.24	
407262068	PREDICTED: histone H3.3-like [Mus musculus]	306.03	38.97	2	1	9	63	DNA binding		Pf00125	0.762	0.003	6	8.5	136	15.2	10.84	
29789154	putative E3 ubiquitin-protein ligase UBR7 [Mus musculus]	0.00	2.12	1	1	1	1 binding: protein binding		metabolic process	Pf02207	0.763	0.003	1		425	48.0	4.75	
6755596	U1 small nuclear ribonucleoprotein C [Mus musculus]	0.00	11.95	1	2	2	2 in binding: RNA binding	y: spliceosomal complex	hesis: metabolic process	Pf06220	0.764	0.003	2	20.4	159	17.4	9.67	
52353955	D-3-phosphoglycerate dehydrogenase [Mus musculus]	144.93	14.07	1	6	6	6 vity: nucleotide binding	extracellular ion of biological process		Pf00389; Pf02826	0.765	0.003	6	14.2	533	56.5	6.54	
225690618	cytosolic acyl coenzyme A thioester hydrolase isoform 3 [Mus musculus]	106.22	13.43	3	4	4	5 activity: protein binding	it: extracellular: nucleus	metabolic process	Pf03061	0.768	0.003	5	6.2	350	39.2	8.40	
6753912	ferritin heavy chain [Mus musculus]	81.88	9.89	1	2	2	3 tivity: metal ion binding	ucleus; organelle lumen	ie to stimulus; transport	Pf00210	0.768	0.003	3	4.4	182	21.1	5.88	
6680047	guanine nucleotide-binding protein subunit beta-2-like 1 [Mus musculus]	382.00	40.38	1	14	14	27 or activity: RNA binding	ion: nucleus; ribosome	ie to stimulus; transport	Pf00400	0.769	0.004	25	26.6	317	35.1	7.69	
12963575	lymphokine-activated killer T-cell-originated protein kinase [Mus musculus]	0.00	2.12	1	1	1	1 vity: nucleotide binding		is: response to stimulus	Pf00069; Pf07714	0.770	0.004	1		330	36.7	5.12	
22122615	beta-centractin [Mus musculus]	59.54	8.78	2	1	3	3	nucleotide binding	cytoplasm: cytoskeleton	Pf00022	0.771	0.004	1		376	42.3	6.40	
149274502	PREDICTED: coiled-coil-helix-coiled-coil domain-containing protein [Mus musculus]	106.18	19.61	5	3	3	6	membrane		Pf06747	0.771	0.004	6	10.8	153	15.7	9.55	
356582426	nucleophosmin isoform 3 [Mus musculus]	131.40	31.13	4	9	9	15 in binding: RNA binding	anelle lumen: ribosome	ie to stimulus; transport	Pf03066	0.772	0.004	15		345	25.7	8.49	
226874906	14-3-3 protein epsilon [Mus musculus]	1376.88	54.12	1	16	18	74 in binding: RNA binding	mbane; mitochondrion	igical process; transport	Pf00244	0.773	0.004	57	21.0	255	29.2	4.74	
160358825	beta-2-glycoprotein 1 precursor [Mus musculus]	39.94	2.61	1	1	1	1 activity: protein binding	all surface; extracellular	ie to stimulus; transport	Pf00084; Pf09014	0.775	0.005	1		145	38.6	8.22	
224809393	acyl-CoA-binding domain-containing protein 6 isoform 3 [Mus musculus]	45.59	6.57	3	1	1	1	cytoplasm; nucleus		Pf00887	0.776	0.005	1		137	14.9	4.82	
51093867	carbamoyl-phosphate synthase 2, aspartate transcarbamylase, and	24.54	0.36	1	1	1	1 binding: protein binding	ucleus; organelle lumen	ie to stimulus; transport	Pf00117; Pf00185; Pf00	0.776	0.005	1		2225	243.1	6.43	
122937183	fructose 1,6-bisphosphatase isozyme 2 [Mus musculus]	0.00	3.83	1	1	1	1 tivity: metal ion binding	cytoplasm; extracellular	metabolic process	Pf00316; Pf00459	0.776	0.005	1		339	36.9	6.16	
26986559	lysine-specific histone demethylase 1B [Mus musculus]	34.82	1.33	1	1	1	1 binding: protein binding	nucleus	al process: reproduction	Pf01593; Pf04433; Pf07	0.777	0.005	1		826	92.6	7.74	
30424744	putative deoxyribonuclease TATDN1 [Mus musculus]	0.00	4.92	1	1	1	1 tivity: metal ion binding	nucleus		Pf01026	0.780	0.005	1		624	99.8	6.71	
210147534	gametocyte-specific factor 1 [Mus musculus]	0.00	5.39	1	1	1	1	metal ion binding	cytoplasm	Pf05253	0.780	0.005	1		167	19.1	6.40	
162135936	NEDD8-activating enzyme E1 catalytic subunit isoform 1 [Mus musculus]	41.49	5.41	3	3	3	5 binding: protein binding	nucleus ion of biological process		Pf00899; Pf01488; Pf02	0.783	0.006	5	33.1	462	51.7	5.45	
60593059	adrenocortical dysplasia protein [Mus musculus]	0.00	1.92	1	1	1	1 binding: protein binding	ucleus; organelle lumen	ie to stimulus; transport	Pf11509	0.783	0.006	1		416	44.7	5.27	
160358829	hemopexin precursor [Mus musculus]	25.21	3.26	1	2	2	2 tivity: metal ion binding	extracellular	ie to stimulus; transport	Pf00045	0.783	0.006	2	9.5	460	51.3	7.80	
377834153	PREDICTED: 60S ribosomal protein L35a-like [Mus musculus]	133.84	45.45	7	6	6	8 tctural molecule activity	itochondrion: ribosome	metabolic process	Pf00253	0.784	0.006	8	4.1	110	12.5	10.89	
451172117	delta-aminolevulinic acid dehydratase [Mus musculus]	151.28	17.58	1	5	5	6 binding: protein binding	it: extracellular: nucleus	is: response to stimulus	Pf00490	0.785	0.007	6	7.8	330	36.0	6.79	
15617203	chloride intracellular channel protein 1 [Mus musculus]	90.62	17.01	1	4	4	5 ing: transporter activity	itochondrion: nucleus	igical process; transport		0.785	0.007	5	7.6	241	27.0	5.17	
165932381	plasminogen activator inhibitor 1 RNA-binding protein isoform 4 [Mus musculus]	196.27	21.50	4	7	7	16	RNA binding	ar: membrane; nucleus	ion of biological process	Pf04774	0.785	0.007	15	16.7	386	42.2	8.44
6677803	40S ribosomal protein S29 [Mus musculus]	60.23	19.64	1	1	1	1 tctural molecule activity	extracellular: ribosome	metabolic process	Pf00253	0.786	0.007	1		56	6.7	10.13	
6754616	protein mago nashi homolog [Mus musculus]	23.05	5.48	2	1	1	1	RNA binding	y: spliceosomal complex	reproduction; transport	Pf02792	0.787	0.007	1		146	17.2	6.11
27734996	zinc finger FYVE domain-containing protein 16 [Mus musculus]	0.00	0.65	1	1	1	1 ing: transporter activity	ndosome: membrane	transport	Pf01363; Pf11979	0.787	0.007	1		1528	166.6	4.78	
22122343	protein farnesyltransferase subunit beta [Mus musculus]	76.67	5.72	2	2	2	3 binding: protein binding	cytoplasm: cytoskeleton	is: response to stimulus	Pf00432	0.788	0.007	3	10.3	437	48.8	5.80	
244798112	arrestin domain-containing protein 1 isoform b [Mus musculus]	123.45	2.77	2	1	1	2	extracellular: membrane	transport	Pf00339; Pf02752; Pf03	0.789	0.008	2	3.5	433	46.2	6.98	
226423909	2'-3'-cyclic-nucleotide 3'-phosphodiesterase isoform 1 [Mus musculus]	101.91	2.75	2	1	1	5 ie binding: RNA binding	itochondrion: nucleus	ie to stimulus; transport	Pf05881; Pf06414	0.790	0.008	5	6.0	400	44.6	8.51	
12963793	RIKEN cDNA 181009J06 precursor [Mus musculus]	71.63	8.10	2	1	1	7	catalytic activity		metabolic process	Pf00089	0.790	0.008	7	26.7	247	26.5	6.93
9789959	fizzy-related protein homolog [Mus musculus]	0.00	2.03	1	1	1	1	protein binding	membrane; nucleus	in: response to stimulus	Pf00400	0.791	0.008	1		493	54.7	9.06
188528624	protein arginine N-methyltransferase 5 [Mus musculus]	39.58	1.26	1	1	1	1 activity: protein binding	plasm: cytosol; nucleus	ion of biological process	Pf02475; Pf05185	0.791	0.008	1		327	72.7	6.34	
161484668	serine/threonine-protein phosphatase PP1-beta catalytic subunit [Mus musculus]	57.07	12.84	1	5	5	7 binding: protein binding	ucleus; organelle lumen	is: response to stimulus	Pf00149	0.794	0.009	1		637	37.2	6.19	
61888838	3-hydroxyacyl-CoA dehydrogenase type-2 [Mus musculus]	251.93	25.67	1	6	6	14 in binding: RNA binding	mbane; mitochondrion	hesis: metabolic process	Pf00106; Pf08659	0.794	0.009	14	27.8	261	27.3	8.76	
6678469	tubulin alpha-1C chain [Mus musculus]	1621.08	42.09	3	2	18	100 tctural molecule activity	y: cytoskeleton; nucleus	ent: metabolic process	Pf00091; Pf03953	0.795	0.009	5		449	49.9	5.10	
190014629	taperin [Mus musculus]	0.00	0.80	1	1	1	1	protein binding			0.796	0.010	1		749	80.0	7.09	
254540082	proteasome subunit beta type-4 precursor [Mus musculus]	151.71	15.91	1	4	4	8	catalytic activity	y: nucleus; proteasome	is: response to stimulus	Pf00227	0.796	0.010	8	14.8	264	29.1	5.64
6755202	proteasome subunit beta type-3 [Mus musculus]	53.63	18.54	1	4	4	4	catalytic activity	n: nucleus; proteasome	metabolic process	Pf00227	0.797	0.010	4	7.4	205	22.9	6.55
6678682	galectin-1 [Mus musculus]	69.55	33.33	1	4	4	5 gnal transducer activity	y: extracellular: nucleus	is: response to stimulus	Pf00337	0.797	0.010	5	8.4	135	14.9	5.49	
218931165	procollagen-lysine-2-oxoglutarate 5-dioxygenase 2 isoform 2 precursor [Mus musculus]	58.40	6.78	2	4	4	5 tivity: metal ion binding	extracellular: membrane	metabolic process	Pf03171	0.798	0.010	5	3.2	737	84.4	6.89	
7305247	lysosome C-1 precursor [Mus musculus]	63.34	8.11	1	1	1	1 activity: protein binding	Golgi; organelle lumen	is: response to stimulus	Pf00062	0.799	0.011	1		148	16.8	9.41	
459683864	heterogeneous nuclear ribonucleoprotein R isoform a [Mus musculus]	164.91	7.59	2	3	5	9 ie binding: RNA binding	y: spliceosomal complex		Pf00076	0.799	0.011	3	3.0	632	70.8	8.13	
13487925	estradiol 17 beta-dehydrogenase 5 [Mus musculus]	35.47	10.53	6	3	4	5	catalytic activity	plasm: cytosol; nucleus	is: response to stimulus	Pf00248	0.800	0.011	2	102.6	323	37.0	8.28
264681550	WD repeat-containing protein 26 [Mus musculus]	0.00	1.72	1	1	1	1	protein binding	cytoplasm; nucleus		Pf00400; Pf08662	0.801	0.012	1		641	70.5	6.16
19745156	importin-4 [Mus musculus]	55.59	1.76	1	2	2	2 ing: transporter activity	ucleus; organelle lumen	ibolic process; transport		0.801	0.012	2	40.1	1082	119.2	5.03	
51571537	pantothenate kinase 2 [Mus musculus]	109.27	8.58	3	4	4	7 vity: nucleotide binding	cytosol; mitochondrion	c process: reproduction	Pf03630	0.802	0.012	7	10.6	443	48.6	8.44	
114158687	protein PAT1 homolog 2 [Mus musculus]	86.01	8.32	1	4	4	4	ation regulator activity	cytoplasm; nucleus	ion of biological process	Pf09770	0.802	0.012	4	5.3	529	59.6	7.42
18252782	antithrombin-III precursor [Mus musculus]	114.31	16.99	1	8	8	10 activity: protein binding	extracellular	is: response to stimulus	Pf00079	0.802	0.012	9	2.7	465	52.0	6.46	
153945802	serine/threonine-protein kinase D1 [Mus musculus]	36.00	3.05	4	2	2	2 binding: protein binding	lgi: membrane; nucleus	ie to stimulus; transport	Pf00069; Pf00130; Pf09	0.803	0.012	2	11.7	918	102.0	6.58	
288541337	aminoacyl tRNA synthase complex-interacting multifunctional protein [Mus musculus]	97.36	20.31	1	1	5	6	protein binding	plasm: cytosol; nucleus	ion of biological process	Pf00043	0.803	0.012	1		320	25.4	7.83
20330802	serotransferrin precursor [Mus musculus]	328.04	23.82	1	16	16	20 ing: transporter activity	mbane; mitochondrion	ie to stimulus; transport	Pf00405; Pf12974	0.803	0.012	20	10.5	697	76.7	7.18	
163937847	mitotic checkpoint serine/threonine-protein kinase BUB1 isoform 2 [Mus musculus]	0.00	0.95	2	1	1	1 vity: nucleotide binding	ucleus; organelle lumen	is: response to stimulus	Pf00069; Pf08311	0.804	0.013	1		1058	119.5	6.10	
358030288	extracellular matrix protein 1 isoform 2 precursor [Mus musculus]	29.58	2.87	2	2	2	2 gnal transducer activity	extracellular	is: response to stimulus	Pf05782	0.807	0.014	2	3.5	1588	62.7	6.89	
28077077	testis-specific Y-encoded like protein 4 [Mus musculus]	0.00	2.71	1	1	1	1		nucleus	hesis: metabolic process	Pf00956	0.807	0.014	1		406	44.8	6.99
226494207	poly(A) polymerase gamma [Mus musculus]	0.00	1.22	1	1	1	1 ie binding: RNA binding	cytoplasm; nucleus	metabolic process	Pf01909; Pf04926; Pf04	0.807	0.014	1		339	82.9	9.16	
109627648	80 kDa MCM3-associated protein [Mus musculus]	53.49	0.96	1	2	2	2	nucleotide binding	ol: membrane; nucleus	transport	Pf03399; Pf10075	0.808	0.014	2	21.3	1971	217.2	6.61
9625018	glycerophosphodiester phosphodiesterase 1 [Mus musculus]	0.00	2.42	1	1	1	1 tivity: metal ion binding	cytoplasm; membrane	is: response to stimulus	Pf03009	0.809	0.015	1		331	37.6	6.90	
22122625	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial precursor [Mus musculus]	0.00	1.56	1	1	1	1	catalytic activity	toplasm: mitochondrion	metabolic process	Pf00378	0.809	0.015	1		385	43.0	8.06
19526920	serine/threonine-protein kinase MST4 [Mus musculus]	73.90	9.38	2	1	3	3 binding: protein binding	lgi: membrane; nucleus	ion of biological process	Pf00069; Pf06840; Pf07	0.809	0.015	1		416	46.6	5.24	
9789995	statmin [Mus musculus]	171.40	27.52	2	4	4	7	protein binding	extracellular: membrane	is: response to stimulus	Pf00836; Pf09726	0.810	0.015	7	30.2	149	17.3	5.97
22122445	parafibrin [Mus musculus]	35.92	1.88	1	1	1	7	protein binding	ucleus; organelle lumen	is: response to stimulus	Pf05179	0.810	0.015	1		531	60.5	9.61
31543976	14-3-3 protein gamma [Mus musculus]	844.60	36.44	1	5	12	74 in binding: RNA binding	extracellular: membrane	ie to stimulus; transport	Pf00244	0.811</							

6678477	ubiquitin-conjugating enzyme E2 E3 [Mus musculus]	30,68	13,04	2	1	3	3-binding: protein binding	cytoplasm; nucleus	ion of biological process	Pf00179	0,816	0,019	1		207	22,9	7,18
13385598	small nuclear ribonucleoprotein Sm D3 [Mus musculus]	78,33	24,60	1	2	2	2-binding: RNA binding	spliceosomal complex	hesis: metabolic process	Pf01423	0,816	0,019	2	7,1	126	13,9	10,32
13384980	395 ribosomal protein L11, mitochondrial [Mus musculus]	0,00	4,69	1	1	1	1-ctural molecule activity	anelle lumen; ribosome	metabolic process	Pf00298; Pf03946	0,816	0,019	1		192	20,7	9,73
33859674	sperm-associated antigen 5 [Mus musculus]	39,80	0,94	1	1	1	protein binding	cytoskeleton; nucleus	ion of biological process	Pf10359	0,816	0,019	1		1165	129,9	4,96
162287370	prelamin-A/C isoform A precursor [Mus musculus]	391,05	28,57	3	17	17	22-ctural molecule activity	ucleus; organelle lumen	ion to stimulus; transport	Pf00038; Pf00932; Pf12	0,817	0,019	22	10,9	665	74,2	6,98
31542833	neurtin-like protein precursor [Mus musculus]	0,00	5,56	1	1	1		membrane	development		0,817	0,019	1		162	17,4	7,23
62945234	cytochrome c oxidase copper chaperone [Mus musculus]	82,44	36,51	1	2	2	4-ltivity: metal ion binding	toplasm; mitochondrion	igical process; transport	Pf05051	0,817	0,019	4	13,0	63	6,8	7,69
269315836	cytoskeleton-associated protein 2 [Mus musculus]	80,67	6,33	1	4	4		cytoplasm; cytoskeleton	ion of biological process		0,818	0,020	4	5,7	664	74,0	9,23
21313266	major facilitator superfamily domain-containing protein 1 [Mus musculus]	0,00	2,16	1	1	1		membrane	transport	Pf07690	0,820	0,021	1		464	51,4	8,21
169808401	uncharacterized protein LOC100042314 [Mus musculus]	116,50	18,47	2	5	5	5-activity: protein binding		metabolic process	Pf00043; Pf02798	0,820	0,021	5	3,7	222	25,5	8,81
6681069	cysteine and glycine-rich protein 1 [Mus musculus]	157,00	42,49	1	6	6	7-binding: RNA binding	ion; extracellular; nucleus	inization and biogenesis	Pf00412	0,821	0,022	7	12,6	193	20,6	8,57
309264022	PREDICTED: 40S ribosomal protein SA-like [Mus musculus]	238,17	19,66	3	5	6	13-ctural molecule activity	ane; nucleus; ribosome	ibolic process; transport	Pf00318	0,821	0,022	11	10,9	295	32,8	4,87
6679439	peptidyl-prolyl cis-trans isomerase A [Mus musculus]	841,09	54,27	3	10	11	61-binding: RNA binding	ion; extracellular; nucleus	igical process; transport	Pf00160	0,822	0,022	57	6,8	164	18,0	7,90
162287102	eukaryotic translation initiation factor 2B, subunit 3 gamma isoform [Mus musculus]	25,94	3,54	2	2	2	2-lic activity: RNA binding	cytoplasm	ion; response to stimulus	Pf00483; Pf02348; Pf12	0,822	0,022	2	18,2	452	50,5	6,74
21313554	signal peptidase complex catalytic subunit SEC11C [Mus musculus]	28,19	4,17	1	1	1	1 catalytic activity	ic reticulum; membrane	metabolic process	Pf00717	0,822	0,022	1		192	21,6	9,23
309267120	PREDICTED: serine protease inhibitor A3K-like [Mus musculus]	272,63	26,70	5	2	8	14			Pf00079	0,822	0,022	2	7,5	382	43,1	4,96
124487277	RNA-binding protein 24 [Mus musculus]	39,50	9,32	2	2	2	4-ic binding: RNA binding	cytoplasm; nucleus	ion of biological process	Pf00076	0,823	0,023	4	5,8	236	24,8	8,51
76881807	alpha-1-antitrypsin 1-2 precursor [Mus musculus]	96,60	10,90	3	2	5	5-activity: protein binding	reticulum; extracellular	ion; response to stimulus	Pf00079	0,823	0,023	2	7,9	413	45,9	5,54
7106277	casein kinase II subunit beta [Mus musculus]	55,55	12,56	1	3	3	5-binding: protein binding	ar; membrane; nucleus	ion; response to stimulus	Pf01214	0,824	0,024	4	24,9	215	24,9	5,55
124487123	fodahesin [Mus musculus]	25,69	0,44	1	1	1		membrane		Pf11229; Pf12530	0,824	0,024	1		1798	198,8	6,74
18390321	replication protein A 70 kDa DNA-binding subunit isoform 2 [Mus musculus]	196,97	14,61	2	9	9	11-binding: metal ion binding	ucleus; organelle lumen	ion; response to stimulus	Pf01336; Pf04057; Pf08	0,825	0,024	11	27,3	623	69,0	7,91
7106303	EH domain-containing protein 1 [Mus musculus]	0,00	2,25	1	1	1	1-binding: protein binding	extracellular; membrane	ion to stimulus; transport	Pf00350; Pf01926; Pf12	0,825	0,024	1		534	60,6	6,83
16945962	rabphilin-3A [Mus musculus]	21,11	1,03	1	1	1	1-binding: transporter activity	tosol; Golgi; membrane	transport	Pf00168; Pf02318	0,825	0,024	1		681	75,4	8,27
262050553	plastin-3 [Mus musculus]	220,31	15,56	1	3	10	20-binding: protein binding	cytoplasm	development	Pf00307	0,825	0,024	3	6,0	630	70,7	5,62
284507286	BAG family molecular chaperone regulator 1 isoform 1S [Mus musculus]	37,13	4,57	2	1	1	1 protein binding	mitochondrion; nucleus	ion of biological process	Pf00240; Pf02179	0,826	0,025	1		219	24,9	4,97
158937308	vacuolar protein sorting-associated protein 33B [Mus musculus]	61,55	4,21	1	2	2	3 protein binding	ne; membrane; vacuole	nd biogenesis; transport	Pf00995	0,827	0,026	3	52,1	617	70,5	6,86
260064007	ubiquitin carboxyl-terminal hydrolase 24 [Mus musculus]	51,96	0,46	2	1	2	2-activity: protein binding		metabolic process	Pf00443	0,828	0,027	1		2617	293,8	6,19
47059495	Y-box-binding protein 3 long isoform [Mus musculus]	721,00	22,99	2	4	8	32-binding: RNA binding	cytoplasm; nucleus	ion; response to stimulus	Pf00313	0,828	0,027	16	6,2	361	38,8	9,69
21703762	eukaryotic translation initiation factor 3 subunit M [Mus musculus]	75,59	4,28	1	2	2	2-binding: RNA binding	cytoplasm	ion of biological process	Pf01399	0,828	0,027	2	10,1	374	42,5	5,74
225543110	YTH domain family protein 2 [Mus musculus]	34,98	1,21	3	1	1	1 RNA binding	cytoplasm	ion of biological process	Pf04146	0,828	0,027	1		579	62,2	8,79
10242373	DNA replication licensing factor MCM7 [Mus musculus]	50,43	7,93	1	5	5	5-binding: protein binding	plasm; cytosol; nucleus	ion; response to stimulus	Pf00493; Pf07728	0,829	0,027	5	21,1	719	81,2	6,37
225637531	eukaryotic translation initiation factor 3 subunit F [Mus musculus]	153,20	7,20	1	2	2	4-binding: RNA binding	cytoplasm	ion of biological process	Pf01398	0,829	0,027	3	10,5	361	38,0	5,58
6754254	heat shock protein HSP 90-alpha [Mus musculus]	6156,00	45,70	3	31	47	473-binding: RNA binding	mitochondrion; nucleus	ion to stimulus; transport	Pf00183; Pf02518	0,829	0,027	259	11,5	763	84,7	5,01
407261373	PREDICTED: prostaglandin H synthase 3-like [Mus musculus]	404,16	38,75	1	7	7	20-activity: protein binding	ion; cytoskeleton; nucleus	ion; response to stimulus	Pf04969	0,830	0,028	20	7,0	160	18,7	4,55
6755763	THO complex subunit 4 [Mus musculus]	61,74	15,29	2	3	3	3-binding: RNA binding	spliceosomal complex	ion to stimulus; transport	Pf00076	0,831	0,029	3	9,2	255	26,9	11,15
158966694	chromobox protein homolog 5 [Mus musculus]	55,84	6,81	1	1	1	2 protein binding	ucleus; organelle lumen	ion of biological process	Pf00385; Pf01393	0,831	0,029	2	22,7	191	22,2	5,86
84452155	ubiquitin carboxyl-terminal hydrolase 14 isoform 2 [Mus musculus]	115,43	7,64	3	4	4	7-activity: protein binding	membrane; proteasome	ion; response to stimulus	Pf00443	0,831	0,029	7	16,2	458	52,3	5,66
254692989	phospholipase DDHD2 [Mus musculus]	17,39	2,58	1	2	2	2-binding: protein binding	tosol; Golgi; membrane	metabolic process	Pf00536; Pf02825; Pf02	0,832	0,030	2	20,1	699	79,5	5,31
27923919	E3 ubiquitin-protein ligase RBBP6 isoform 2 [Mus musculus]	0,00	6,50	2	1	1	3-binding: RNA binding	cytoskeleton; nucleus	ion; metabolic process	Pf00783	0,832	0,030	3	12,5	123	13,8	8,88
39930559	REST corepressor 1 [Mus musculus]	48,70	2,36	2	1	1	1-binding: protein binding	cytoskeleton; nucleus	ion of biological process	Pf00249; Pf01448	0,832	0,030	1		382	43,9	7,25
55925589	U4/U6 small nuclear ribonucleoprotein Prp4 [Mus musculus]	30,06	3,45	1	2	2	2 protein binding	ion; spliceosomal complex	metabolic process	Pf00400; Pf08799	0,833	0,031	2	2,3	521	58,3	7,28
6755382	ruvB-like 2 [Mus musculus]	319,03	23,54	1	11	11	15-binding: protein binding	ucleus; organelle lumen	ion; response to stimulus	Pf00004; Pf03796; Pf06	0,835	0,032	15	17,3	463	51,1	5,64
31982755	vimentin [Mus musculus]	399,24	40,56	15	15	17	27-ctural molecule activity	extracellular; membrane	ion of biological process	Pf00038; Pf04111; Pf04	0,835	0,032	22	11,8	466	53,7	5,12
31981044	ubiquitin carboxyl-terminal hydrolase 8 isoform 2 [Mus musculus]	25,61	0,83	2	1	1	1-activity: protein binding	ne; membrane; nucleus	ion; response to stimulus	Pf00443; Pf00581; Pf08	0,835	0,032	1		1080	122,5	8,47
31541888	NF-kappa-B inhibitor-interacting Ras-like protein 1 [Mus musculus]	0,00	4,69	1	1	1	1-ivity: nucleotide binding	cytoplasm; membrane	ion; response to stimulus	Pf00025; Pf00071; Pf08	0,835	0,032	1		1992	21,6	7,33
27777677	putative deoxyribose-phosphate aldolase [Mus musculus]	0,00	4,09	1	1	1	1 catalytic activity	cytoplasm	metabolic process	Pf01791	0,836	0,033	1		318	35,0	8,72
124378022	cell division cycle protein 27 homolog [Mus musculus]	56,80	1,09	1	1	1	1 protein binding	ion; cytoskeleton; nucleus	esis; metabolic process	Pf00515; Pf07719; Pf12	0,836	0,033	1		825	91,8	7,02
225543091	teneurin-3 isoform 2 [Mus musculus]	0,00	0,41	2	1	1	1 protein binding	cell surface; membrane	ion; response to stimulus	Pf06247; Pf06484	0,836	0,033	1		2699	300,8	6,42
13385918	polyadenylate-binding protein-interacting protein 2 [Mus musculus]	42,45	12,10	1	1	2	2-iation regulator activity	cytoplasm	ion; response to stimulus	Pf07145	0,836	0,033	1		124	14,7	4,12
298358621	thymosin beta-10 [Mus musculus]	36,33	31,82	1	2	2	10 protein binding	cytoplasm; cytoskeleton	ion of biological process	Pf01290	0,836	0,033	10	7,5	44	5,0	5,36
21362309	SEC14-like protein 2 [Mus musculus]	49,66	3,72	2	2	2	2-ility: transporter activity	ion; membrane; nucleus	igical process; transport	Pf00650; Pf03765	0,837	0,034	2	3,8	403	46,3	7,11
158341634	protein FAM160A1 [Mus musculus]	86,39	2,04	1	3	3	3 DNA binding	cytoskeleton; nucleus	ion of biological process	Pf03344; Pf05793; Pf07	0,838	0,035	3	1,2	1081	120,1	4,63
9506981	exosome complex component RRP45 [Mus musculus]	0,00	2,51	1	1	1	1-lic activity: RNA binding	ucleus; organelle lumen	ion of biological process	Pf01138; Pf03725	0,838	0,035	1		438	48,9	5,11
51921285	ARF GTPase-activating protein GIT1 [Mus musculus]	25,20	5,58	1	3	3	3-binding: protein binding	cytoplasm	ion; response to stimulus	Pf00023; Pf01412; Pf08	0,838	0,035	3	13,6	770	85,2	6,93
244793625	outer dense fiber protein 2-like isoform 1 [Mus musculus]	0,00	2,34	1	1	1		cytoskeleton		Pf05667; Pf12128	0,838	0,035	1		642	74,1	6,27
254675341	heat shock transcription factor 2 binding protein [Mus musculus]	24,47	3,85	1	1	1	1-binding: transporter activity	sm; cytosol; membrane	ion to stimulus; transport	Pf01496	0,838	0,035	1		338	37,9	5,33
85701901	uncharacterized protein LOC128695 [Mus musculus]	194,54	15,34	1	4	4	12-binding: transporter activity	membrane	homeostasis; transport	Pf00210; Pf00939	0,839	0,036	10	9,2	176	20,6	8,51
188219518	dynactin subunit 5 [Mus musculus]	24,47	9,89	1	2	2	3 catalytic activity	cytoplasm; cytoskeleton			0,839	0,036	3	15,8	182	20,1	8,02
27754031	sorting nexin-6 [Mus musculus]	41,30	1,72	1	1	1	1 protein binding	ne; membrane; nucleus	ion to stimulus; transport	Pf00787; Pf03114; Pf09	0,840	0,037	1		406	46,6	6,16
407264603	PREDICTED: ferritin light chain 1-like isoform 3 [Mus musculus]	92,44	27,87	4	4	4	7-binding: protein binding	cytoplasm; extracellular	homeostasis; transport	Pf00210	0,841	0,038	3	3,3	183	20,8	6,00
15277329	protein FAM188A [Mus musculus]	40,71	4,95	1	2	2	2 metal ion binding	membrane; nucleus	cell death		0,841	0,038	2	1,5	444	49,6	4,78
283837769	DNA replication ATP-dependent helicase/nuclease DNA2 [Mus musculus]	0,00	0,94	1	1	1	1-binding: protein binding	ucleus; organelle lumen	ion to stimulus; transport	Pf00448; Pf00580; Pf08	0,841	0,038	1		1062	119,4	6,98
10946942	endothelial differentiation-related factor 1 [Mus musculus]	56,68	27,03	2	5	5	5-binding: RNA binding	ucleus; organelle lumen	ion of biological process	Pf01381; Pf08523; Pf12	0,841	0,038	5	4,0	148	16,4	9,99
30725808	gamma-taxilin [Mus musculus]	23,15	6,87	2	3	4	4 protein binding	ion; membrane; nucleus	ion of biological process	Pf09728	0,842	0,039	3	2,0	524	60,3	8,12
224809382	actin-related protein 2/3 complex subunit 5 [Mus musculus]	55,27	7,95	1	1	1	1 protein binding	cytoskeleton; extracellular	ion of biological process	Pf04699	0,842	0,039	1		151	16,3	5,67
21312358	putative methyltransferase NSUN4 [Mus musculus]	0,00	2,10	1	1	1	1-lic activity: RNA binding	anelle lumen; ribosome	metabolic process	Pf01189	0,842	0,039	1		381	42,8	8,25
58037313	coiled-coil domain-containing protein 18 [Mus musculus]	0,00	0,69	1	1	1	1-ivity: nucleotide binding	membrane	ion to stimulus; transport	Pf05557; Pf05667; Pf09	0,842	0,039	1		1455	169,6	5,49
110347473	apolipoprotein A-IV precursor [Mus musculus]	107,31	9,62	1	3	3	3-binding: transporter activity	ion; cytosol; extracellular	ion to stimulus; transport	Pf01442; Pf07902	0,843	0,040	3	4,0	395	45,0	5,47
12963615	tubulin beta-3 chain [Mus musculus]	1576,65	35,78	2	2	14	91-ctural molecule activity	ion; membrane; nucleus	ion; response to stimulus	Pf00091; Pf03953; Pf10	0,843	0,040	7	6,5	450	50,4	4,93
31982133	putative N-acetylglucosamine-6-phosphate deacetylase [Mus musculus]	88,16	15,65	1	5	5	5-ivity: metal ion binding	ucleus	metabolic process	Pf01979; Pf07969	0,845	0,					

9507003	polypyrimidine tract-binding protein 2 [Mus musculus]	132.31	7.89	1	3	4	4 in binding: RNA binding	spliceosomal complex	ion of biological process	Pf00076	0.847	0.044	3	2.1	532	57.6	8.81
21450351	cysteine sulfinic acid decarboxylase [Mus musculus]	91.49	7.10	1	3	3	catalytic activity	metabolic process	Pf00266: Pf00282: Pf01	0.847	0.044	3	13.1	493	55.1	6.61	
18390327	protein phosphatase 1 regulatory subunit 11 [Mus musculus]	30.94	6.87	1	1	1	zyme regulator activity	cytoplasm	ion of biological process	Pf07491	0.847	0.044	1	131	14.5	6.38	
22957446	AN1-type zinc finger protein 2B [Mus musculus]	37.64	2.72	1	1	1	metal ion binding	endoplasmic reticulum		Pf01428	0.847	0.044	1		257	27.9	6.93
407263455	PREDICTED: LOW QUALITY PROTEIN: mucin-2 [Mus musculus]	0.00	1.20	2	1	1	protein binding	extracellular: nucleus	ion of biological process	Pf00094: Pf01826: Pf08	0.847	0.044	3	5.8	1171	129.9	5.77
165972311	epithelial splicing regulatory protein 1 [Mus musculus]	245.01	14.54	2	8	9	12.6e binding: RNA binding	membrane: nucleus	ion of biological process	Pf00076: Pf11029	0.847	0.044	10	11.6	681	75.6	6.58
255918221	E3 SUMO-protein ligase PIAS2 isoform 5 [Mus musculus]	0.00	2.65	6	1	1	1 binding: protein binding	ucleus: organelle lumen	is: response to stimulus	Pf00291	0.847	0.044	1		565	62.6	8.22
254692960	protein misato homolog 1 [Mus musculus]	44.34	1.26	1	1	1	nucleotide binding	mbrane: mitochondrion	ization and biogenesis	Pf00091: Pf10644	0.848	0.046	1		556	61.2	6.46
21704212	protein NDRG4 isoform B [Mus musculus]	27.53	4.42	2	1	1	mbrane: mitochondrion	ion of biological process		Pf03096: Pf12697	0.848	0.046	1		339	37.1	5.90
270288744	PHD finger protein 14 isoform 2 [Mus musculus]	0.00	0.79	2	1	1	1 binding: protein binding	nucleus	is: response to stimulus	Pf00628	0.848	0.046	1		881	99.0	5.34
110227381	calpain small subunit 1 [Mus musculus]	116.71	7.46	2	2	2	3 binding: protein binding	extracellular: membrane	metabolic process		0.849	0.047		6.0	268	28.4	5.63
33859560	rab GDP dissociation inhibitor alpha [Mus musculus]	271.90	19.24	1	4	9	14 activity: protein binding	cytoplasm: Golgi	ie to stimulus; transport	Pf00996	0.849	0.047	4	2.7	447	50.5	5.08
9903607	protein canopy homolog 2 precursor [Mus musculus]	79.21	19.78	1	3	3	3 binding: protein binding	endoplasmic reticulum	ion of biological process	Pf11938	0.849	0.047	3	7.0	182	20.8	5.07
13195602	hsp70-binding protein 1 [Mus musculus]	18.86	1.96	1	1	1	1 binding: protein binding	cytoplasm	ion of biological process	Pf00459	0.849	0.047	1		357	39.1	5.36
16716595	inositol monophosphatase 2 [Mus musculus]	85.46	4.14	1	1	1	1 binding: protein binding	cytoplasm	metabolic process	Pf00459	0.850	0.048	1		290	31.7	6.23
7305487	SH3 domain-containing YSC84-like protein 1 [Mus musculus]	38.81	1.76	2	1	1	protein binding	membrane	ion of biological process	Pf00018: Pf04366: Pf07	0.850	0.048	1		340	37.0	8.97
13385492	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	77.33	14.50	1	2	2	3 binding: protein binding	mbrane: mitochondrion	ie to stimulus; transport	Pf05347	0.850	0.048	3	15.7	131	15.3	10.11
124487201	clustered mitochondria protein homolog [Mus musculus]	0.00	0.89	1	1	1	1 binding: protein binding	cytoplasm	ization and biogenesis	Pf12807	0.850	0.048	1		1353	151.7	6.02
311893326	C-terminal-binding protein 1 isoform 2 [Mus musculus]	60.01	8.39	4	1	4	6 binding: protein binding	iplasm: cytosol: nucleus	ion of biological process	Pf00389: Pf02826	0.851	0.049	1		429	46.5	6.65
226874952	hepatocyte growth factor-regulated tyrosine kinase substrate isoform 1	50.79	5.29	2	4	4	5 binding: protein binding	extracellular: membrane	ie to stimulus; transport	Pf00790: Pf01363: Pf09	0.851	0.049	5	1.7	775	86.0	6.16
145279198	myomesin-1 isoform 2 [Mus musculus]	0.00	0.89	2	1	1	1 binding: protein binding	cytoplasm: cytoskeleton		Pf00041: Pf00047: Pf07	0.852	0.050	1		1569	175.3	6.32
255069776	calmodulin-regulated spectrin-associated protein 3 isoform 2 [Mus musculus]	45.85	2.00	2	3	3	3 binding: protein binding	cytoplasm: cytoskeleton	ion of biological process	Pf00307: Pf00683: Pf11	0.852	0.050	3	4.9	1252	135.1	8.43
30794138	protein phosphatase methyltransferase 1 [Mus musculus]	0.00	2.33	1	1	1	1 activity: protein binding	c reticulum: membrane	abolic process; transport	Pf00561: Pf07819: Pf12	0.852	0.050	1		386	42.2	5.97
33859686	phosphoglucomutase-1 [Mus musculus]	98.52	10.97	1	7	7	8 binding: metal ion binding	cytoplasm: cytosol	metabolic process	Pf00408: Pf02878: Pf02	0.852	0.050	8	8.0	620	68.7	6.14
40556608	heat shock protein HSP 90-beta [Mus musculus]	356.25	39.92	2	18	36	226 binding: RNA binding	mitochondrion: nucleus	ie to stimulus; transport	Pf00183: Pf02518	0.852	0.050	56	10.4	724	83.2	5.03
24528553	Golgi SNAP receptor complex member 2 [Mus musculus]	35.70	5.19	1	1	1	2 binding: protein binding	ulum: Golgi: membrane	transport	Pf12352	0.852	0.050	1		212	24.7	8.21
90568036	ubiquitin-associated domain-containing protein 2 precursor [Mus musculus]	51.55	4.06	1	1	1	1 binding: protein binding	c reticulum: membrane		Pf00627	0.852	0.050	1		345	39.0	9.44
19527246	tubulin gamma-2 chain [Mus musculus]	37.36	9.31	4	4	4	4 binding: nucleotide binding	cytoplasm: cytoskeleton	esis: metabolic process	Pf00091: Pf03953: Pf10	0.853	0.052	4	12.6	451	51.1	6.21
133504509	oxysterol-binding protein 1 [Mus musculus]	241.03	11.93	1	9	9	11 binding: protein binding	lg: membrane: nucleus	transport	Pf00169: Pf01237	0.854	0.053	11		805	88.7	7.20
49355794	cyclin-dependent kinase 2-associated protein 1 [Mus musculus]	20.18	8.77	2	1	1	1 binding: protein binding		development	Pf09806	0.854	0.053	1		114	12.3	9.38
20982845	RNA-binding protein FUS [Mus musculus]	75.34	6.76	1	2	4	7 in binding: RNA binding	cytoplasm: nucleus		Pf00076: Pf00641	0.854	0.053	4	1.7	518	52.6	9.36
410025486	flap endonuclease 1 [Mus musculus]	63.62	6.05	1	3	3	3 binding: metal ion binding	ucleus: organelle lumen	is: response to stimulus	Pf00752: Pf00867: Pf01	0.854	0.053	3	6.0	380	42.6	8.34
51491880	metastasis-associated protein MTA2 [Mus musculus]	48.74	4.04	1	2	3	3 binding: protein binding	ucleus: organelle lumen	ion of biological process	Pf00320: Pf01426: Pf01	0.855	0.054	2	17.5	668	75.0	9.67
30410012	snurportin-1 [Mus musculus]	0.00	3.91	1	2	2	2 binding: transporter activity	cytoplasm: nucleus	transport	Pf11538	0.855	0.054	2	13.7	358	41.0	6.29
258547111	mitochondrial import receptor subunit TOM6 homolog [Mus musculus]	64.05	18.92	1	1	1	2 binding: protein binding	mbrane: mitochondrion	transport		0.855	0.054	2	12.6	74	7.9	4.89
111607436	interleukin enhancer-binding factor 3 isoform 4 [Mus musculus]	89.57	7.40	5	4	5	5 in binding: RNA binding	mitochondrion: nucleus	is: response to stimulus	Pf00035: Pf07528	0.856	0.056	4	6.9	703	76.3	7.75
30410030	maxin precursor [Mus musculus]	0.00	2.83	1	1	1	1 catalytic activity	extracellular	metabolic process	Pf00089	0.856	0.056	1		318	35.0	7.15
30794476	cAMP-dependent protein kinase type I-alpha regulatory subunit [Mus musculus]	95.51	19.16	2	8	8	10 binding: protein binding	cytoplasm: membrane	ion: response to stimulus	Pf00027: Pf02197	0.856	0.056	10	8.4	381	43.2	5.35
407261714	PREDICTED: elongation factor 1-alpha 1-like isoform 10 [Mus musculus]	1751.87	37.66	6	22	22	116 binding: RNA binding	ucleus: organelle lumen	is: response to stimulus	Pf00009: Pf03143: Pf03	0.856	0.056	98	16.9	502	50.6	9.01
6671569	60S acidic ribosomal protein P0 [Mus musculus]	314.22	26.50	1	8	8	15 binding: protein binding	uclear: nucleus: ribosome	is: response to stimulus	Pf00428: Pf00466	0.857	0.057	15	15.9	317	34.2	6.25
21703744	translation initiation factor eIF-2B subunit alpha [Mus musculus]	71.67	8.52	1	3	3	4 in binding: RNA binding	cytoplasm: membrane	is: response to stimulus	Pf01008	0.857	0.057	4		53	30.5	8.32
111955036	proto-oncogene serine/threonine-protein kinase mos [Mus musculus]	47.60	2.62	1	1	1	1 binding: nucleotide binding	cytoplasm: cytosol	al process: reproduction	Pf00069: Pf07714	0.857	0.057	1		543	37.9	9.22
188219551	translation initiation factor eIF-2B subunit delta isoform 2 [Mus musculus]	63.61	7.44	2	3	3	3 binding: RNA binding	cytoplasm	ion: response to stimulus	Pf01008	0.857	0.057	3	7.6	524	57.6	9.25
85701778	eukaryotic translation initiation factor 4E type 1B isoform 1 [Mus musculus]	322.60	45.49	2	11	11	18 binding: RNA binding	cytoplasm	metabolic process	Pf01652	0.858	0.058	18	21.1	244	28.0	8.75
12025542	ATPase Atn1 [Mus musculus]	130.98	15.80	1	6	6	10 binding: nucleotide binding	ucleus: organelle lumen	ie to stimulus; transport	Pf02374	0.858	0.058	9	15.0	388	38.8	4.91
31543224	mothers against decapentaplegic homolog 4 [Mus musculus]	41.12	2.72	1	2	2	2 binding: signal transducer activity	y: cytoskeleton: nucleus	ie to stimulus; transport	Pf03165: Pf03166	0.859	0.060	2	5.9	551	60.3	6.99
31543942	vinculin [Mus musculus]	703.20	30.11	2	31	31	39 binding: protein binding	extracellular: membrane	logical process; transport	Pf01044: Pf02901: Pf14	0.859	0.060	37	11.6	1066	116.6	6.00
17125358	proteasome activator complex subunit 2 isoform 2 [Mus musculus]	0.00	5.19	2	1	1	1 activity: protein binding	tracellular: proteasome	ion of biological process	Pf02251: Pf02252	0.859	0.060	1		231	26.1	5.20
45504405	inositol oxygenase [Mus musculus]	38.96	18.60	1	4	4	9 binding: nucleotide binding	cytoplasm	metabolic process	Pf05153	0.859	0.060	9	17.6	285	33.1	5.29
32963755	autophagy-related protein 16-1 isoform 3 [Mus musculus]	200.51	13.27	3	8	9	13 activity: protein binding	anelle lumen: vacuole	ie to stimulus; transport	Pf00400: Pf00769: Pf01	0.859	0.060	12	30.5	588	66.2	6.29
13386472	pre-rRNA processing protein FTSJ3 [Mus musculus]	23.95	1.19	1	1	1	1 binding: nucleotide binding	ucleus: organelle lumen	metabolic process	Pf01728: Pf07780: Pf11	0.860	0.061	1		535	95.5	8.38
37700232	nucleoside diphosphate kinase A [Mus musculus]	297.37	50.00	2	3	8	20 in binding: RNA binding	mitochondrion: nucleus	ie to stimulus; transport	Pf00334	0.860	0.061	3	22.1	152	17.2	7.37
171184402	ras-related protein Rab-4A [Mus musculus]	139.65	13.30	1	1	3	5 binding: transporter activity	lar: membrane: nucleus	ie to stimulus; transport	Pf00009: Pf00025: Pf00	0.861	0.063	2	24.6	128	24.4	6.07
41680647	protein FAM63A isoform 2 [Mus musculus]	0.00	4.58	2	2	2	2 binding: protein binding			Pf04424	0.861	0.063	2	19.1	459	50.2	4.74
19527194	conserved oligomeric Golgi complex subunit 4 [Mus musculus]	38.58	0.76	1	1	1	1 binding: protein binding	lasm: Golgi: membrane	nd biogenesis; transport	Pf08318	0.861	0.063	1		785	88.6	5.15
12963799	V-type proton ATPase subunit D [Mus musculus]	80.00	4.05	1	1	1	2 binding: transporter activity	ar: membrane: vacuole	nd biogenesis; transport	Pf01813	0.861	0.063	2	3.1	247	28.4	9.45
29789323	protein arginine N-methyltransferase 3 [Mus musculus]	24.61	1.89	1	1	1	1 binding: protein binding	lasm: cytosol: ribosome	ion of biological process	Pf06325: Pf08003: Pf08	0.862	0.064	1		528	59.4	5.30
158303306	egl nine homolog 1 [Mus musculus]	0.00	5.75	1	2	2	2 binding: protein binding	iplasm: cytosol: nucleus	is: response to stimulus	Pf01753: Pf03171	0.862	0.064	2	2.9	400	43.1	8.29
171184428	fas apoptotic inhibitory molecule 1 Faim-5 [Mus musculus]	30.43	11.73	3	2	2	2 binding: protein binding	y: cytoplasm	is: response to stimulus	Pf06905	0.862	0.064	2	27.7	179	20.2	5.64
20149730	B box and SPRY domain-containing protein [Mus musculus]	74.48	9.26	1	5	5	5 binding: protein binding	m: membrane: nucleus	transport	Pf00042	0.862	0.064	5	5.9	486	54.2	6.25
254540120	ATPase WRNIP1 [Mus musculus]	138.82	4.39	1	3	3	9 in binding: RNA binding	mitochondrion: nucleus	is: response to stimulus	Pf00004: Pf00006: Pf00	0.863	0.066	9	13.2	660	71.7	6.18
321267528	HIV Tat-specific factor 1 homolog [Mus musculus]	53.14	3.96	1	2	3	4 binding: RNA binding	nucleus	ion of biological process	Pf00076	0.863	0.066	3	8.7	757	86.2	4.40
13384788	CDK5 regulatory subunit-associated protein 3 [Mus musculus]	44.28	5.96	1	3	3	3 binding: protein binding	ion of biological process		Pf05600	0.864	0.067	3	24.8	503	57.0	4.83
27370078	serine/threonine-protein kinase 38-like [Mus musculus]	62.28	2.16	1	1	1	1 binding: protein binding	on: membrane: nucleus	is: response to stimulus	Pf00069: Pf00433: Pf07	0.864	0.067	1		464	53.7	6.96
12963687	Sjogren syndrome nuclear autoantigen 1 homolog [Mus musculus]	96.15	9.24	1	1	1	2 binding: protein binding	y: cytoskeleton: nucleus	ie to stimulus; transport	Pf04111	0.864	0.067	2	2.6	119	13.5	5.68
30794378	exosome complex component MTR3 [Mus musculus]	102.64	13.19	1	3	3	3 binding: RNA binding	ucleus: organelle lumen	is: response to stimulus	Pf01138	0.864	0.067	3	9.9	273	28.4	6.11
20149756	eukaryotic initiation factor 4A-III [Mus musculus]	140.94	18.33	4	5	8	11 binding: RNA binding	y: spliceosomal complex	logical process; transport	Pf00270: Pf00271	0.864	0.067	5	6.4	411	46.8	6.73
30017373	large subunit GTPase 1 homolog [Mus musculus]	0.00	2.73	1	1	1	1 binding: nucleotide binding	ucleus: organelle lumen	abolic process; transport	Pf01926: Pf04548	0.865	0.069	1		644	73.1	6.51
228008415	serine--tRNA ligase, mitochondrial precursor [Mus musculus]	24.24	1.54	1	1	1	1 binding: RNA binding	ndrion: organelle lumen	metabolic process	Pf00587	0.865	0.069	1		518	58.3	7.90
161086971	F-actin-capping protein subunit alpha-1 [Mus musculus]	64.12	20.98	1	2	5	5 binding: protein binding	tracellular: membrane	ion of biological process	Pf012							

268370040	neural Wiskott-Aldrich syndrome protein isoform 1 [Mus musculus]	75,45	6,59	2	4	4	4 activity: protein binding	ligand: membrane; nucleus	ion of biological process	P100568; P100786; P102	0,869	0,075	4	2,9	501	54,2	7,93	
55743143	rab11 family-interacting protein 5 isoform 2 [Mus musculus]	20,65	1,55	2	1	1	1	protein binding	membrane; mitochondrion	ion of biological process	P100168; P109457	0,870	0,077	1		645	69,5	9,07
319918850	bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 2 isoform 1 [Mus musculus]	48,41	3,26	3	2	2	2	activity: nucleotide binding	membrane	ion of biological process	P101583; P101747	0,870	0,077	2	9,6	614	69,4	7,42
110611224	HBS1-like protein isoform 2 [Mus musculus]	107,66	8,69	3	5	5	5	binding: RNA binding	extracellular	metabolic process	P100009; P103143; P103	0,870	0,077	5	4,8	679	74,8	6,35
12963497	kininogen-1 isoform 2 precursor [Mus musculus]	36,18	4,86	3	2	2	2	activity: protein binding	extracellular	ion of biological process	P100031	0,871	0,079	2	13,7	432	47,9	6,09
74315981	zinc finger Ran-binding domain-containing protein 2 [Mus musculus]	37,03	8,79	1	3	3	3	binding: RNA binding	nucleus	metabolic process		0,871	0,079	3	5,2	330	37,3	9,89
9790285	vacuolar protein sorting-associated protein 29 [Mus musculus]	109,13	14,29	1	3	3	5	activity: metal ion binding	endosome; membrane; metabolic process	transport	P100149; P112850	0,871	0,079	5	2,5	182	20,5	6,79
6679245	retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase 6 [Mus musculus]	0,00	8,00	1	1	1	1	activity: protein binding	cytosol; membrane	ion of biological process	P100531	0,871	0,079	1		150	17,3	5,67
255683451	brain protein 13 isoform 2 [Mus musculus]	0,00	5,79	2	1	1	1	protein binding	membrane		P110164	0,871	0,079	1		121	12,9	8,78
254028159	scaffold attachment factor B1 [Mus musculus]	67,45	1,92	1	1	2	2	in binding: RNA binding	nucleus	ion of biological process	P100076; P102037	0,871	0,079	1		937	105,0	5,35
226874860	uridine phosphorylase 1 [Mus musculus]	142,54	16,72	1	6	6	8	catalytic activity	cytoplasm	ion of biological process	P101048	0,871	0,079	7	10,5	311	34,1	6,58
79750409	hamartin [Mus musculus]	66,66	2,07	1	2	2	2	activity: protein binding	nucleus; organelle lumen	ion of biological process	P100261; P101576; P102	0,871	0,079	2	2,3	1160	128,6	6,37
357394774	DNA endonuclease RBBP8 [Mus musculus]	36,99	0,78	1	1	1	1	binding: protein binding	nucleus	ion of biological process	P103962; P108573; P110	0,872	0,080	1		893	100,8	6,68
110835726	putative pre-mRNA-splicing factor ATP-dependent RNA helicase DDX1 [Mus musculus]	58,08	8,96	2	6	6	9	in binding: RNA binding	spliceosomal complex	metabolic process	P100270; P100271; P104	0,872	0,080	9	26,0	703	79,9	7,30
126090857	constitutive coactivator of PPAR-gamma-like protein 1 [Mus musculus]	35,25	2,97	2	3	3	3	RNA binding	cytoplasm; membrane			0,872	0,080	3	6,2	1112	121,6	8,92
6753738	eukaryotic translation initiation factor 2 subunit 3, X-linked [Mus musculus]	136,30	24,58	3	9	9	13	binding: RNA binding	extracellular	metabolic process	P100009; P103144; P109	0,872	0,080	13	15,0	472	51,0	8,40
20070410	mediator of RNA polymerase II transcription subunit 10 [Mus musculus]	59,76	11,85	1	2	2	2	RNA binding	nucleus; organelle lumen	ion of biological process	P109748	0,872	0,080	2	20,8	135	15,7	6,19
118150664	serine/threonine-protein kinase 3 [Mus musculus]	109,28	6,84	2	3	3	3	binding: protein binding	cytoplasm; nucleus	ion of biological process	P100069; P100956; P107	0,872	0,080	3	3,2	497	56,8	4,98
146134409	L-xylulose reductase [Mus musculus]	80,13	25,41	2	6	6	7	binding: protein binding	membrane; nucleus	metabolic process	P100106; P101370; P101	0,872	0,080	7	10,4	244	25,7	7,31
268838948	BRISC and BRCA1-A complex member 1 [Mus musculus]	46,33	2,70	1	1	1	1	protein binding	cytoplasm; nucleus	ion of biological process		0,873	0,082	1		333	36,8	4,55
194353999	histone deacetylase 6 [Mus musculus]	89,17	2,35	1	2	2	3	binding: protein binding	nucleus; organelle lumen	ion of biological process	P100850; P102148	0,873	0,082	3	30,9	1149	125,7	5,78
158636007	ribosomal protein S6 kinase alpha-1 [Mus musculus]	160,17	12,11	13	3	8	9	in binding: protein binding	cytosol; nucleus; ribosome	ion of biological process	P100069; P100433; P107	0,873	0,082	3	5,8	735	82,8	7,97
226246542	ribonuclease H1 [Mus musculus]	0,00	2,81	1	1	1	1	binding: protein binding	mitochondrion; nucleus	metabolic process	P100075; P101693	0,874	0,084	1		285	31,8	9,29
84794548	UDP-N-acetylhexosamine pyrophosphorylase-like protein 1 [Mus musculus]	26,99	1,58	1	1	1	1	catalytic activity		metabolic process	P101704	0,874	0,084	1		507	56,6	5,43
167234396	motile sperm domain-containing protein 2 [Mus musculus]	0,00	1,74	1	1	1	1	structural molecule activity	membrane		P100635; P100650	0,874	0,084	1		518	59,8	5,76
159110851	dual specificity protein kinase TTK isoform 2 [Mus musculus]	51,08	5,28	2	3	3	4	binding: protein binding		metabolic process	P100069; P107714	0,874	0,084	4	6,0	815	91,5	8,06
244790299	echinoderm microtubule-associated protein-like 2 isoform 2 [Mus musculus]	38,96	2,16	2	1	1	1	activity: protein binding	cytoplasm; cytoskeleton		P103451	0,874	0,084	1		649	70,7	6,28
66717110	B-lymphocyte antigen CD20 [Mus musculus]	56,25	4,12	1	1	1	1	protein binding	nucleus; organelle lumen		P104103	0,874	0,084	1		491	31,9	5,22
13591862	protein SET isoform 1 [Mus musculus]	161,35	12,11	2	4	4	5	DNA binding	nucleus; organelle lumen	ion of biological process	P100956	0,874	0,084	5	12,5	289	33,4	4,32
254039596	iron-sulfur cluster assembly 2 homolog, mitochondrial precursor [Mus musculus]	0,00	7,79	1	1	1	1	structural molecule activity	cytoplasm; mitochondrion	metabolic process	P101521	0,874	0,084	1		154	16,7	5,60
146134519	NAD kinase domain-containing protein 1, mitochondrial isoform 2 [Mus musculus]	259,38	27,67	3	10	10	13	binding: protein binding	mitochondrion	ion of biological process	P100781; P101513	0,874	0,084	12	11,9	430	48,3	7,94
40254179	single-strand selective monofunctional uracil DNA glycosylase [Mus musculus]	16,47	15,05	1	3	3	4	activity: DNA binding	nucleus; organelle lumen	ion of biological process		0,874	0,084	4	2,0	279	30,6	6,77
46592826	ELAV-like protein 2 isoform 3 [Mus musculus]	132,48	20,75	9	7	7	7	binding: RNA binding			P100076	0,875	0,086	7	14,6	347	38,1	9,04
165905635	nucleic acid domain-containing protein 1 isoform 2 [Mus musculus]	49,68	1,20	2	1	1	1	protein binding	cytoplasm; nucleus		P104969	0,875	0,086	1		581	66,6	5,30
124378050	SEC16 homolog A [Mus musculus]	66,97	3,39	1	7	8	8	catalytic activity	cytosol; Golgi; membrane	metabolic process	P110697; P112931; P112	0,875	0,086	7	2,8	2357	254,0	5,81
21450323	heterogeneous nuclear ribonucleoprotein U-like protein 1 isoform 1 [Mus musculus]	46,50	1,63	1	1	1	1	in binding: RNA binding	nucleus	ion of biological process	P100622; P102037	0,875	0,086	1		859	95,9	6,58
119508441	26S proteasome non-ATPase regulatory subunit 9 [Mus musculus]	490,76	36,04	1	7	7	27	protein binding	nucleus; proteasome	ion of biological process	P104495	0,875	0,086	27	5,6	222	24,7	6,43
31541909	isochorismatase domain-containing protein 1 [Mus musculus]	98,12	11,45	1	4	4	4	catalytic activity	cytoplasm	metabolic process	P100857	0,875	0,086	4	1,8	297	32,0	7,39
194353962	ADP-ribosylation factor 1 [Mus musculus]	292,15	30,94	4	2	5	10	signal transducer activity	ligand: membrane; nucleus	ion of biological process	P100025; P100071; P100	0,875	0,086	2	22,0	181	20,7	6,80
254692855	double-strand break repair protein rad21 homolog [Mus musculus]	0,00	2,05	1	1	1	1	protein binding	nucleus; organelle lumen	ion of biological process	P104824; P104825	0,877	0,089	1		635	72,0	4,64
254553372	isoleucine--tRNA ligase, cytoplasmic [Mus musculus]	173,96	11,65	1	16	16	17	activity: nucleotide binding	membrane; nucleus	ion of biological process	P100133; P101406; P108	0,877	0,089	17	3,9	1262	144,2	6,55
156713423	26S proteasome non-ATPase regulatory subunit 8 [Mus musculus]	26,55	8,50	1	4	4	4	binding: nucleotide binding	nucleus; proteasome	metabolic process	P103399; P110075	0,877	0,089	4	16,2	353	39,9	9,58
300795920	lan-1-like protein 1 [Mus musculus]	217,29	13,28	1	5	5	9	in binding: protein binding	membrane; nucleus	ion of biological process	P105147	0,877	0,089	9	4,1	399	45,3	7,77
119372296	PCI domain-containing protein 2 [Mus musculus]	36,90	2,26	1	1	1	1	protein binding		ion of biological process	P101399	0,877	0,089	1		569	46,1	8,53
6753210	F-box/WD repeat-containing protein 1A isoform b [Mus musculus]	72,73	3,69	2	1	2	2	activity: protein binding	cytoplasm; nucleus	ion of biological process	P100400; P100646; P108	0,877	0,089	1		399	65,1	7,84
31981160	basic leucine zipper and W2 domain-containing protein 2 [Mus musculus]	0,00	2,39	1	1	1	1	protein binding	cytoplasm; nucleus	metabolic process	P102020	0,877	0,089	1		419	48,0	6,68
872521727	superkiller viralicidal activity 2-like [Mus musculus]	48,90	1,69	1	2	2	2	activity: nucleotide binding	cytoplasm; nucleus	metabolic process	P100270; P102711; P108	0,878	0,091	2	13,0	1244	137,4	6,28
7709986	SUMO-activating enzyme subunit 2 [Mus musculus]	257,93	16,14	1	10	10	13	binding: protein binding	cytoplasm; nucleus	metabolic process	P100899; P102134; P110	0,878	0,091	13	20,1	638	70,5	5,24
255003740	uncharacterized protein C17orf85 homolog [Mus musculus]	43,97	2,11	1	1	1	1	binding: RNA binding	cytoplasm; nucleus	metabolic process	P108675; P110309	0,878	0,091	1		615	70,0	5,80
6677759	rho-associated protein kinase 1 [Mus musculus]	49,83	1,85	1	3	3	3	activity: transporter activity	nucleus; organelle lumen	ion of biological process	P100038; P100069; P100	0,878	0,091	3	3,9	1354	158,1	5,86
6680083	growth factor receptor-bound protein 2 [Mus musculus]	44,34	9,68	1	3	3	3	in binding: RNA binding	membrane; nucleus	ion of biological process	P100017; P100018; P107	0,878	0,091	3	1,6	217	25,2	6,32
13385244	PKR-interacting protein 1 [Mus musculus]	0,00	3,76	1	1	1	1	in binding: RNA binding	nucleus; organelle lumen	ion of biological process	P106658	0,879	0,093	1		186	21,5	9,42
21313040	39S ribosomal protein L53, mitochondrial [Mus musculus]	70,21	15,25	1	2	2	2	mitochondrion; ribosome			P110780	0,879	0,093	2	3,1	118	12,7	9,52
124487247	prickle-like protein 2 isoform a [Mus musculus]	0,00	0,78	1	1	1	1	binding: protein binding	membrane; nucleus	ion of biological process	P100412; P106297	0,879	0,093	1		901	102,2	7,80
133779997	protein enabled homolog isoform 4 [Mus musculus]	0,00	2,22	4	1	1	1	protein binding	cytoskeleton; membrane	ion of biological process	P100568; P108776; P111	0,879	0,093	1		541	59,6	6,34
31980904	cleavage and polyadenylation specificity factor subunit 3 [Mus musculus]	34,88	4,53	1	3	3	3	in binding: RNA binding	nucleus; organelle lumen	metabolic process	P100753; P107521; P110	0,879	0,093	3	3,4	684	77,5	5,60
124486662	vacuolar protein sorting-associated protein 51 homolog [Mus musculus]	19,67	2,94	1	2	2	2	cytoplasm	cytosol; metabolic process	transport	P104124; P106148; P108	0,879	0,093	2	2,0	782	86,1	6,24
13384656	thioredoxin-like protein 4A isoform a [Mus musculus]	78,04	12,68	2	2	2	3	activity: protein binding	spliceosomal complex	ion of biological process	P100085; P102966	0,879	0,093	3	7,4	142	16,8	5,85
21536222	40S ribosomal protein S21 [Mus musculus]	38,07	19,28	2	2	2	2	structural molecule activity	cytosol; ribosome	metabolic process	P101249	0,880	0,095	2	3,0	83	9,1	8,51
39573709	hematological and neurological expressed 1-like protein [Mus musculus]	203,30	33,16	2	5	5	12	activity: protein binding	membrane; nucleus			0,880	0,095	12	6,0	190	20,0	8,62
289063477	protein FAM221A isoform 2 [Mus musculus]	0,00	11,24	2	2	2	2	activity: protein binding				0,880	0,095	2		258	28,3	7,53
110835702	coiled-coil and C2 domain-containing protein 1A [Mus musculus]	41,21	1,27	1	1	1	1	signal transducer activity	extracellular; nucleus	ion of biological process	P100168	0,880	0,095	1		943	103,6	7,84
47059013	keratin, type II cytoskeletal 73 [Mus musculus]	129,15	6,86	2	1	4	13	structural molecule activity	extracellular; nucleus		P100038; P101576; P103	0,881	0,097	1		539	58,9	8,09
27229147	zinc finger protein 654 [Mus musculus]	23,34	2,28	1	1	1	1	binding: metal ion binding	nucleus	ion of biological process		0,881	0,097	1		571	65,1	6,25
281485553	poly (ADP-ribose) polymerase family, member 4 [Mus musculus]	68,44	2,39	1	4	4	4	activity: protein binding	membrane; nucleus	ion of biological process	P100092; P100533; P100	0,882	0,099	4	4,3	1969	216,0	6,07
6479793	protein phosphatase 1G [Mus musculus]	56,37	3,32	1	2	2	3	binding: protein binding	nucleus	ion of biological process	P100481	0,882	0,099	2	11,6	542	58,7	4,39
27369936	BTB/POZ domain-containing protein KCTD3 [Mus musculus]	51,54	6,13	1	5	5	5	protein binding	nucleus	ion of biological process	P102214	0,882	0,099	5	8,8	615	88,8	7,15
407263138	PREDICTED																	

170650653	uncharacterized protein C19orf47 homolog isoform 2 [Mus musculus]	0,00	2,96	2	1	1	1	RNA binding	nucleus			0,883	0,101	1		371	40,1	10,05
124286826	eukaryotic peptide chain release factor subunit 1 [Mus musculus]	190,07	20,14	1	9	9	14	RNA binding	cytoplasm	hesis; metabolic process	PI03463; PI03464; PI03	0,884	0,103	11	13,0	437	49,0	5,71
13386092	density-regulated protein [Mus musculus]	38,30	4,04	1	1	1	1	RNA binding		metabolic process	PI01253	0,884	0,103	1		198	22,2	5,30
166295220	nucleoporin Nup43 [Mus musculus]	0,00	8,16	1	2	2	2	protein binding	ne: membrane; nucleus	nd biogenesis; transport		0,884	0,103	2	19,2	380	42,0	5,39
32469491	optineurin [Mus musculus]	125,17	8,90	1	6	6	7	protein binding	cytoplasm	Golgiligical process; transport	PI05557; PI07888; PI11	0,884	0,103	7	14,4	584	67,0	5,26
21312784	peptidyl-prolyl cis-trans isomerase-like 1 [Mus musculus]	69,56	20,48	1	3	3	4	catalytic activity	is: spliceosomal complex	metabolic process	PI00160	0,885	0,105	4	1,8	166	18,2	7,99
247269929	carboxylesterase 1C precursor [Mus musculus]	34,93	1,62	5	1	1	1	catalytic activity	ellular; organelle lumen	metabolic process	PI00135; PI07859	0,885	0,105	1		554	61,0	5,06
31044423	RNA demethylase ALKBH5 [Mus musculus]	22,20	5,06	1	2	2	2	in binding: RNA binding	ucleus; organelle lumen	ie to stimulus; transport		0,885	0,105	2	1,1	395	44,4	9,09
19526826	vacuolar protein sorting-associated protein 26A isoform a [Mus musculus]	130,81	12,84	2	4	4	9	protein binding	ndosome; membrane		PI03643	0,885	0,105	7	4,8	327	38,1	6,57
31982522	short-chain specific acyl-CoA dehydrogenase, mitochondrial precursor [Mus musculus]	64,04	15,78	1	6	6	6	ity: nucleotide binding	ucleus; organelle lumen	is: response to stimulus	PI00441; PI02770; PI02	0,885	0,105	6	17,5	412	44,9	8,47
31982028	ras suppressor protein 1 [Mus musculus]	26,17	2,89	1	1	1	1	protein binding	extracellular	is: response to stimulus	PI12799	0,886	0,107	1		277	31,4	8,63
253795504	thiopurine S-methyltransferase [Mus musculus]	216,18	29,58	1	8	8	13	catalytic activity	cytoplasm	metabolic process	PI05724	0,886	0,107	13	14,2	240	27,6	6,44
28077013	stromal membrane-associated protein 1 [Mus musculus]	56,88	5,68	1	2	2	2	inding: protein binding	cytoplasm; membrane	igical process; transport	PI01412	0,886	0,107	2	7,3	440	47,6	8,51
15011841	glutathione peroxidase 3 precursor [Mus musculus]	69,06	18,58	1	5	5	6	ctivity: catalytic activity	extracellular	is: response to stimulus	PI00255	0,886	0,107	6	9,7	226	25,4	8,22
12746422	exportin-7 [Mus musculus]	140,30	8,92	1	8	8	10	ing: transporter activity	in: membrane; nucleus		PI03810	0,887	0,110	9	14,3	1087	123,7	6,38
9055304	cGMP-inhibited 3',5'-cyclic phosphodiesterase A [Mus musculus]	48,88	0,61	1	1	1	1	ing: nucleotide binding	in: cytosol; membrane	in: response to stimulus	PI00233	0,887	0,110	1		1141	124,4	6,30
6677785	60S ribosomal protein L37a [Mus musculus]	98,93	18,48	1	2	2	4	ctural molecule activity	ular; nucleus; ribosome	metabolic process	PI01780	0,887	0,110	4	5,5	92	10,3	10,43
17505208	CD2 antigen cytoplasmic tail-binding protein 2 [Mus musculus]	101,52	7,31	1	2	2	2	protein binding	ucleus; organelle lumen	ion of biological process	PI02213	0,887	0,110	2	10,0	342	37,7	4,60
162951840	cytohesin-2 isoform 2 [Mus musculus]	0,00	3,51	2	1	1	1	protein binding	cytoplasm; membrane	is: response to stimulus	PI00169; PI01369	0,887	0,110	1		399	46,5	5,63
26986557	translation initiation factor eIF-2B subunit epsilon [Mus musculus]	48,50	3,63	1	3	3	3	in binding: RNA binding	cytoplasm; nucleus	in: response to stimulus	PI00132; PI02020	0,887	0,110	3	0,8	717	80,0	5,07
21699066	DCC-interacting protein 13-alpha [Mus musculus]	60,44	3,68	1	2	3	4	protein binding	ucleus; organelle lumen	igical process; transport	PI00169; PI00640	0,887	0,110	2	7,2	707	79,3	5,41
269954700	Sec24 related gene family, member C isoform 2 [Mus musculus]	85,93	5,49	2	4	5	5	metal ion binding	in: membrane; nucleus		PI00626; PI04810; PI04	0,887	0,110	4	11,0	1020	111,5	6,74
114052414	negative elongation factor E [Mus musculus]	30,64	1,63	1	1	1	1	in binding: RNA binding	ucleus; organelle lumen	ion of biological process	PI00076	0,888	0,112	1		367	41,5	9,39
124487155	laminin subunit alpha-5 precursor [Mus musculus]	27,73	0,16	1	1	1	1	activity: protein binding	lar; membrane; nucleus	ie to stimulus; transport	PI00052; PI00053; PI00	0,888	0,112	1		3718	403,8	6,73
13386122	replication protein A 14 kDa subunit [Mus musculus]	69,17	21,49	2	2	2	3	ucleus; organelle lumen	is: response to stimulus		PI08661	0,888	0,112	3	2,7	121	13,6	4,84
28077067	tubulin-specific chaperone D [Mus musculus]	141,41	5,85	1	6	6	6	activity: protein binding	cytoplasm; membrane	ion of biological process	PI12612	0,888	0,112	6	12,4	1196	133,2	6,51
18875338	cleavage stimulation factor subunit 2 [Mus musculus]	134,21	9,66	2	6	6	6	le binding: RNA binding	ucleus; organelle lumen	metabolic process	PI00076	0,889	0,114	5	4,1	580	61,3	6,83
13385012	mitochondrial import inner membrane translocase subunit TIM16 [Mus musculus]	79,66	22,40	1	3	3	4	mbane; mitochondrion	ie to stimulus; transport		PI03656	0,889	0,114	4	5,4	125	13,8	9,64
83649762	WAS protein family homolog 1 [Mus musculus]	56,35	7,16	1	3	3	3	protein binding	ndosome; membrane	igical process; transport	PI11945	0,889	0,114	3	6,2	475	51,6	5,44
165972339	peptidyl-prolyl cis-trans isomerase-like 4 [Mus musculus]	18,89	2,85	1	1	1	1	le binding: RNA binding	nucleus	metabolic process	PI00076; PI00160	0,889	0,114	1		492	57,2	6,11
21314832	UTP-glucose-1-phosphate uridylyltransferase [Mus musculus]	81,47	9,84	1	6	6	6	ing: nucleotide binding	in: extracellular; nucleus	metabolic process	PI01704	0,889	0,114	6	5,9	508	56,9	7,61
6755210	26S proteasome non-ATPase regulatory subunit 13 [Mus musculus]	102,58	13,83	1	7	7	7	activity: protein binding	nucleus; proteasome	ic process; reproduction		0,889	0,114	7	9,8	376	42,8	5,71
6678053	small nuclear ribonucleoprotein-associated protein B [Mus musculus]	34,35	3,03	2	1	1	1	in binding: RNA binding	is: spliceosomal complex	hesis; metabolic process	PI01423	0,890	0,116	1		231	23,6	10,90
114053325	ubiquitin carboxyl-terminal hydrolase 48 [Mus musculus]	0,00	0,86	1	1	1	1	activity: protein binding	mitochondrion; nucleus	metabolic process	PI00240; PI00443; PI06	0,890	0,116	1		1052	120,6	6,25
12746442	selenocysteine-specific elongation factor [Mus musculus]	95,75	9,09	1	5	5	6	in binding: RNA binding	mitochondrion; nucleus	ion of biological process	PI00009; PI03144	0,890	0,116	6	7,7	583	63,5	8,29
13385746	MORF4 family-associated protein 1 [Mus musculus]	0,00	18,40	1	1	1	1	protein binding	cytoplasm; nucleus			0,890	0,116	1		125	14,2	4,73
40789280	FAS-associated factor 1 [Mus musculus]	52,42	6,32	1	4	4	5	protein binding	in: membrane; nucleus	ie to stimulus; transport	PI00789	0,890	0,116	5	21,9	649	73,8	4,86
6681283	epidermal growth factor receptor isoform 2 precursor [Mus musculus]	0,00	1,37	2	1	1	1	gnal transducer activity	lgi; membrane; nucleus	ie to stimulus; transport	PI00757; PI01030	0,890	0,116	1		655	72,9	7,01
116268089	coiled-coil domain-containing protein 134 precursor [Mus musculus]	43,70	10,04	1	2	2	2	extracellular				0,890	0,116	2	5,4	229	26,5	8,53
225543161	lipoma-preferred partner homolog isoform 1 [Mus musculus]	21,92	1,47	1	1	1	1	inding: protein binding	cytoplasm; nucleus		PI00412	0,890	0,116	1		613	65,8	7,37
13385806	U6 snRNA-associated Sm-like protein LSM3 [Mus musculus]	129,59	11,76	1	1	1	5	RNA binding	is: spliceosomal complex	metabolic process	PI01423	0,890	0,116	5	2,0	102	11,8	4,70
15011884	bifunctional protein NCOAT [Mus musculus]	66,52	4,59	1	4	4	5	catalytic activity	mitochondrion; nucleus	ie to stimulus; transport	PI07555	0,891	0,119	5	18,0	916	103,1	4,92
13928670	vacuolar protein sorting-associated protein 35 [Mus musculus]	320,48	21,23	1	17	17	23	protein binding	lar; membrane	vacuole; bolic process; transport	PI03635	0,891	0,119	23	13,1	796	91,7	5,44
6678055	small nuclear ribonucleoprotein Sm D1 [Mus musculus]	0,00	9,24	1	1	1	1	RNA binding	is: spliceosomal complex	hesis; metabolic process	PI01423	0,891	0,119	1		119	13,3	11,56
31980772	serine/threonine-protein phosphatase PP1-gamma catalytic subunit [Mus musculus]	89,61	17,34	1	1	6	9	in binding: RNA binding	ucleus; organelle lumen	ie to stimulus; transport	PI00149	0,891	0,119	1		323	37,0	6,54
27754120	RNA-binding protein 48 [Mus musculus]	33,89	5,88	2	2	2	2	le binding: RNA binding	ucleus; organelle lumen	is: response to stimulus	PI00076; PI00098	0,891	0,119	2	3,1	357	40,0	6,74
6671557	AP-1 complex subunit mu-1 [Mus musculus]	45,95	6,38	1	3	3	3	protein binding	llular; Golgi; membrane	ie to stimulus; transport	PI00928	0,891	0,119	3	4,9	423	48,5	7,30
227908837	peroxisomal trans-2-enoyl-CoA reductase [Mus musculus]	1582,74	38,94	1	12	12	70	inding: protein binding	mbane; mitochondrion	metabolic process	PI00106	0,891	0,119	68	23,9	303	32,4	8,29
134032030	elongator complex protein 1 [Mus musculus]	39,27	2,53	1	2	2	2	activity: protein binding	ille lumen; proteasome	is: response to stimulus	PI00400	0,891	0,119	2	6,3	831	93,0	5,82
269784725	transcription initiation factor TFIIID subunit 9B isoform 2 [Mus musculus]	27,68	7,23	4	2	2	2	protein binding	ucleus; organelle lumen	ion of biological process	PI02291	0,891	0,119	2	9,4	249	27,2	9,58
23346437	splicing factor 3B subunit 4 [Mus musculus]	59,60	3,30	1	1	1	1	le binding: RNA binding	is: spliceosomal complex	metabolic process	PI00076	0,892	0,121	2	13,3	424	44,3	8,56
148223079	WD repeat-containing protein 82 [Mus musculus]	112,64	15,97	1	6	6	13	activity: protein binding	ucleus; organelle lumen	hesis; metabolic process	PI00400	0,892	0,121	10	23,7	313	35,1	7,69
22122839	TBC1 domain family member 13 [Mus musculus]	26,86	2,50	1	1	1	1	activity: protein binding	ion of biological process		PI00566	0,892	0,121	1		400	46,4	5,36
357589403	protein AF-10 isoform 2 [Mus musculus]	32,14	1,52	2	2	2	3	inding: protein binding	cytoplasm; nucleus	ion of biological process		0,892	0,121	2	7,3	990	104,5	8,78
61097906	alpha-actinin-1 [Mus musculus]	672,34	31,95	2	12	24	44	in binding: RNA binding	lar; membrane; nucleus	ion of biological process	PI03007; PI00435; PI08	0,892	0,121	19	9,6	892	103,0	5,38
29788764	adenylosuccinate lyase [Mus musculus]	137,46	9,71	1	3	3	4	catalytic activity	cytosol; mitochondrion	is: response to stimulus	PI00206; PI10397	0,892	0,121	4	7,3	484	54,8	7,27
169790947	rho GTPase-activating protein 17 isoform c [Mus musculus]	52,60	4,54	5	3	3	3	activity: protein binding	cytoplasm; membrane	ie to stimulus; transport	PI00620; PI03114	0,893	0,123	3	7,1	727	79,8	8,24
6755214	proteasome activator complex subunit 3 [Mus musculus]	159,82	12,99	1	3	3	4	activity: protein binding	n: nucleus; proteasome	is: response to stimulus	PI02251; PI02252	0,893	0,123	4	10,1	254	29,5	5,95
22164798	selenium-binding protein 1 [Mus musculus]	51,70	4,45	2	2	2	3	protein binding	ucleus; organelle lumen	ifferentiation; transport	PI05694; PI10282	0,893	0,123	1		472	52,5	6,29
13385930	probable RNA-binding protein 18 isoform 1 [Mus musculus]	32,52	5,26	1	1	1	1	le binding: RNA binding			PI00076	0,893	0,123	1		190	21,6	9,44
255069804	uncharacterized protein KIAA0513 isoform b [Mus musculus]	0,00	3,27	2	1	1	1				PI12335	0,893	0,123	1		397	45,2	5,07
254587947	serine/threonine-protein phosphatase 2A activator [Mus musculus]	61,91	14,86	1	5	5	5	inding: protein binding	in: membrane; nucleus	ion of biological process	PI03095	0,894	0,126	5	7,3	323	36,7	6,39
10946808	acidic fibroblast growth factor intracellular-binding protein isoform 1 [Mus musculus]	0,00	2,24	2	1	1	1	protein binding	mbane; nucleus		PI05427	0,894	0,126	1		357	41,2	6,76
21703976	bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase [Mus musculus]	39,14	1,90	1	1	1	1	inding: protein binding	extracellular; nucleus	is: response to stimulus	PI02733; PI02734	0,895	0,128	1		578	59,7	6,92
172088119	DNA replication licensing factor MCM2 [Mus musculus]	208,96	15,71	1	14	14	16	inding: protein binding	ucleus; organelle lumen	is: response to stimulus	PI00493; PI01078; PI07	0,895	0,128	15	11,6	904	102,0	5,72
164414722	acyl-CoA-binding domain-containing protein 7 [Mus musculus]	49,66	38,64	1	3	3	4				PI00887	0,895	0,128	4	3,5	88	10,0	5,55
268370688	histone-lysine N-methyltransferase setd3 [Mus musculus]	39,21	1,52	1	1	1	1	activity: protein binding	ucleus; organelle lumen	ion of biological process	PI00856; PI09273	0,895	0,128	1		594	67,1	5,60
31980694	RNA-binding protein with multiple splicing 2 [Mus musculus]	151,11	20,39	4	4	4	5	nucleotide binding			PI00076	0,895	0,128	5	5,3	206	22,4	8,41
125346156	ninein isoform 2 [Mus musculus]	0,00	1,87	2	3	3	3	ing: transporter activity	ucleus; organelle lumen	nd biogenesis; transport								

283436178	heterogeneous nuclear ribonucleoproteins C1/C2 isoform 2 [Mus musculus]	233,75	29,00	7	12	12	17 in binding: RNA binding	spliceosomal complex ion of biological process	PI00076	0,897	0,133	17	18,2	300	33,0	5,03
9790247	SUMO-activating enzyme subunit 1 [Mus musculus]	240,78	25,14	1	11	11	15 binding: protein binding	nucleus metabolic process	PI00899	0,897	0,133	15	7,7	350	38,6	5,36
82617544	F-box only protein 40 [Mus musculus]	30,42	1,13	1	1	1	1 binding: protein binding	cytoskeleton: nucleus ion: metabolic process	PI00897	0,897	0,133	1		710	79,9	6,92
121674799	RNA-binding protein with serine-rich domain 1 isoform 2 [Mus musculus]	54,63	4,26	2	1	1	2 binding: RNA binding	cytoplasm: nucleus ion of biological process	PI00076: PI08777: PF11	0,898	0,135	2	0,3	282	31,7	11,90
165932387	ligand of Numb protein X 2 [Mus musculus]	35,20	1,60	1	1	1	1 binding: protein binding	initiation and biogenesis	PI00097: PI00595	0,898	0,135	1		687	75,1	6,47
21699072	2'-5' oligoadenylate synthetase 1H isoform 1 [Mus musculus]	53,99	12,47	2	4	5	6 binding: RNA binding	response to stimulus	PI10421	0,898	0,135	4	7,5	369	43,6	8,03
281183266	coiled-coil domain-containing protein 127 isoform 2 [Mus musculus]	0,00	4,29	2	1	1	1			0,898	0,135	1		163	19,1	9,38
68226731	puromycin-sensitive aminopeptidase [Mus musculus]	326,53	16,52	1	15	15	18 lity: metal ion binding	extracellular: nucleus response to stimulus	PI01433	0,898	0,135	17	7,5	920	103,3	5,90
31559995	adapter molecule crk isoform 1 [Mus musculus]	261,33	25,66	3	7	7	9 activity: protein binding	extracellular: membrane response to stimulus	PI00017: PI00018: PI07	0,899	0,138	9	3,2	304	33,8	5,55
39930579	tyrosine--RNA ligase, mitochondrial [Mus musculus]	51,53	3,60	1	1	2	3 in binding: RNA binding	ndrion: organelle lumenesis: metabolic process	PI00579	0,899	0,138	1		472	52,6	9,16
157909784	cellular nucleic acid-binding protein isoform 3 [Mus musculus]	56,46	33,53	3	5	5	5 in binding: RNA binding	smic reticulum: nucleus ion of biological process		0,899	0,138	5	8,1	170	18,7	7,71
254553293	geranylgeranyl transferase type-2 subunit beta isoform 2 [Mus musculus]	63,63	3,32	2	1	1	1 binding: protein binding	cytoplasm metabolic process	PI00432	0,899	0,138	1		331	36,9	5,08
28077015	5-phosphohydroxy-L-lysine phospho-lyase [Mus musculus]	21,70	1,93	1	1	1	1 catalytic activity	toplasm: mitochondrion metabolic process	PI00202	0,900	0,140	1		467	51,9	6,46
165932333	lactoylglutathione lyase [Mus musculus]	165,62	22,83	1	4	4	10 livity: metal ion binding	extracellular ion of biological process	PI00903: PI12681	0,900	0,140	10	8,1	184	20,8	5,47
377833725	PREDICTED: dynein heavy chain 14, axonemal [Mus musculus]	36,44	0,13	2	1	1	1 lity: nucleotide binding	ytoskeleton: membrane component movement	PI00004: PI03028: PI07	0,900	0,140	1		4601	528,1	7,09
86476059	WD repeat-containing protein 37 isoform A [Mus musculus]	107,05	8,47	2	4	4	4 protein binding		PI00400	0,900	0,140	4	3,3	496	55,0	7,23
359718915	probable E3 ubiquitin-protein ligase C12orf51 homolog [Mus musculus]	51,73	0,18	1	1	1	1 activity: protein binding	membrane metabolic process	PI00622: PI00632	0,900	0,140	1		4418	483,8	6,06
227116275	dynactin subunit 3 isoform B [Mus musculus]	0,00	4,40	2	1	1	1 activity: protein binding	cytoplasm: cytoskeleton initiation and biogenesis		0,901	0,143	1		159	18,0	6,58
156616288	collagen alpha-6(VI) chain B precursor [Mus musculus]	31,75	3,81	3	4	4	4 protein binding	extracellular	PI00092	0,901	0,143	4	19,5	1182	130,9	5,77
27734986	putative adenosylhomocysteinase 2 [Mus musculus]	253,60	16,79	1	2	11	22 activity: protein binding	reticulum: extracellular ical process: transport	PI00670: PI01262: PI01	0,901	0,143	3	9,9	530	58,9	6,89
62243808	protein dopey-2 isoform 1 [Mus musculus]	113,40	3,09	2	8	8	9 protein binding	extracellular transport	PI00418	0,901	0,143	9	8,0	2295	257,3	6,13
6679337	phosphatidylinositol transfer protein alpha isoform [Mus musculus]	126,27	13,65	1	2	4	5 transporter activity	sm: cytosol: membrane transport	PI02121	0,901	0,143	3	10,6	271	31,9	6,37
253795500	oogenesis 3 [Mus musculus]	40,07	3,60	2	2	2	2			0,901	0,143	2	17,2	500	57,4	5,11
6755987	vitronectin precursor [Mus musculus]	92,21	13,60	1	6	6	8 binding: receptor activity	extracellular response to stimulus: transport	PI00045: PI01033	0,901	0,143	8	7,7	478	54,8	5,88
161016795	probable ATP-dependent RNA helicase DDX6 [Mus musculus]	273,12	27,12	2	14	14	32 binding: RNA binding	cytoplasmesis: metabolic process	PI00270: PI00271	0,901	0,143	28	9,8	483	54,2	8,66
225543181	cytoplasmic dynein 1 light intermediate chain 2 [Mus musculus]	50,93	3,86	1	2	2	2 binding: protein binding	cytoplasm: cytoskeleton lolic process: transport	PI05783	0,901	0,143	2	16,2	492	54,2	6,28
449784892	aminocyclase-1 [Mus musculus]	54,72	6,37	1	3	3	3 livity: metal ion binding	cytoplasm: extracellular metabolic process	PI01546: PI07687	0,901	0,143	3	10,8	408	45,8	6,21
112807186	GCN1 general control of amino-acid synthesis 1-like 1 [Mus musculus]	28,11	0,26	1	1	1	1 in binding: RNA binding	cytoplasm: membrane transport	PI01602: PI12074	0,901	0,143	1		2671	292,8	7,36
21312044	eukaryotic translation initiation factor 3 subunit K [Mus musculus]	32,08	10,09	1	2	2	2 RNA binding	cytoplasm: nucleus ion of biological process	PI03399: PI00075	0,901	0,143	2	5,3	218	25,1	4,93
158081796	glutathione S-transferase theta-2 [Mus musculus]	164,34	25,41	2	5	5	8 activity: protein binding	plasm: cytosol: nucleus metabolic process	PI00043: PI02798	0,902	0,145	7	4,4	244	27,6	7,55
144922627	nuclear cap-binding protein subunit 1 [Mus musculus]	0,00	1,27	1	1	1	1 in binding: RNA binding	mitochondrion: nucleus ical process: transport	PI02854: PI09088: PI09	0,902	0,145	1		790	91,9	6,64
13385890	ubiquitin-like-conjugating enzyme ATG3 [Mus musculus]	0,00	4,14	1	1	1	1 activity: protein binding	cytoplasm: cytosol response to stimulus: transport	PI03986: PI03987: PF10	0,902	0,145	1		314	35,8	4,72
29611656	RING finger protein 122 [Mus musculus]	30,86	5,84	1	1	1	1 binding: protein binding	ulum: Golgi: membrane	PI00097: PI12678	0,902	0,145	1		154	17,3	7,88
440918693	mycophenolic acid acyl-glucuronide esterase, mitochondrial isoform	0,00	6,85	2	1	1	1 catalytic activity	cytosol: mitochondrion metabolic process	PI00326: PI00561: PF12	0,902	0,145	1		292	32,1	8,81
155722992	solute carrier family 4 (anion exchanger), member 1, adaptor protein	74,33	1,54	1	1	1	1 protein binding	nucleus	PI00498	0,903	0,148	1		715	79,6	5,10
213972603	transmembrane protein 230 [Mus musculus]	52,16	9,17	1	1	1	1	membrane	PI05915	0,903	0,148	1		120	13,2	9,31
162287083	double-stranded RNA-binding protein Staufen homolog 2 isoform 1	62,38	1,86	2	1	1	1 RNA binding	smic reticulum: nucleus transport	PI00035	0,903	0,148	1		538	59,0	9,61
158186639	double-stranded RNA-binding protein Staufen homolog 1 isoform 1	45,46	9,61	3	4	4	4 in binding: RNA binding	reticulum: extracellular	PI00035	0,903	0,148	4	11,7	489	54,1	9,52
16464480	molybdopterin synthase sulfur carrier subunit Mocs2A [Mus musculus]	0,00	9,09	1	1	1	1 binding: protein binding	plasm: cytosol: nucleus metabolic process	PI02597	0,903	0,148	1		88	9,7	4,61
188035926	mimtin, mitochondrial [Mus musculus]	51,26	9,52	1	1	1	1 catalytic activity	mbrane: mitochondrion response to stimulus: transport	PI05071	0,903	0,148	1		168	19,6	8,25
31559817	DNA topoisomerase 2-binding protein 1 [Mus musculus]	52,50	0,73	1	1	1	1 binding: protein binding	ucleus: organelle lumen response to stimulus	PI00533: PI12738	0,904	0,151	1		1515	168,8	6,67
377837244	PREDICTED: E3 ubiquitin-protein ligase RBX1-like [Mus musculus]	49,70	10,00	4	4	4	5 catalytic activity	mbrane: nucleus	PI12678: PI12861	0,904	0,151	2	11,6	140	15,8	8,56
255683337	uncharacterized protein LOC68001 [Mus musculus]	36,20	5,17	1	1	2	2 plasm: cytosol: nucleus		PI11069	0,904	0,151	1		290	33,2	6,67
225703045	F-box and WD-40 domain protein 24 [Mus musculus]	874,52	28,11	1	14	15	58 protein binding		PI00446: PI12937	0,904	0,151	53	9,9	466	53,4	7,80
163644252	protein kinase C and casein kinase II substrate protein 3 [Mus musculus]	0,00	4,48	1	2	2	2 activity: protein binding	llular: Golgi: membrane ical process: transport	PI00018: PI06111: PI07	0,904	0,151	2	4,8	424	48,6	6,10
91064876	guanylate-binding protein 5 [Mus musculus]	0,00	1,69	1	1	1	1 binding: protein binding	cytoplasm: membrane response to stimulus	PI02263: PI02841: PI05	0,904	0,151	1		590	66,9	6,09
125490390	oocyte specific homeobox 5 [Mus musculus]	87,97	14,78	4	4	4	6 DNA binding	nucleus ion of biological process	PI00046	0,904	0,151	6	6,2	291	32,3	5,91
28626508	GTP-binding protein Rheb precursor [Mus musculus]	37,59	10,87	1	3	3	3 binding: protein binding	y: spliceosomal complex response to stimulus	PI00071: PI08477	0,904	0,151	3	3,6	184	20,4	5,92
10946928	heterogeneous nuclear ribonucleoprotein H [Mus musculus]	249,78	10,69	1	2	5	10 binding: RNA binding	y: spliceosomal complex ion of biological process	PI00076: PI08080	0,904	0,151	5	5,6	449	49,2	6,30
23346617	probable leucine--RNA ligase, mitochondrial [Mus musculus]	17,54	0,67	1	1	1	1 lity: nucleotide binding	ndrion: organelle lumen ion of biological process	PI00133: PI08264: PI09	0,904	0,151	1		902	101,4	8,19
33695123	cyclin-dependent kinase 11B [Mus musculus]	70,77	4,34	1	4	4	4 binding: RNA binding	ucleus: organelle lumen response to stimulus	PI00069: PI07714	0,904	0,151	4	14,4	784	91,5	5,39
255308928	huntingtin-interacting protein 1-related protein [Mus musculus]	59,87	8,33	1	7	8	8 activity: protein binding	mbrane: mitochondrion ical process: transport	PI01417: PI01576: PI01	0,904	0,151	7	8,3	1068	119,4	6,52
19526936	lan-1-like protein 2 [Mus musculus]	52,32	3,11	1	1	1	1 catalytic activity	sol: membrane: nucleus response to stimulus	PI05147	0,904	0,151	1		450	50,7	7,28
61742806	GRIP and coiled-coil domain-containing protein 2 [Mus musculus]	239,77	10,83	1	17	17	17 protein binding	lgi: membrane: nucleus ical process: transport	PI01465: PI02463: PI12	0,904	0,151	17	4,7	1680	194,4	5,14
407264102	PREDICTED: mitochondrial import receptor subunit TOM22 homolog	85,85	9,23	3	1	1	2			0,904	0,151	2	12,2	130	14,4	4,27
226342973	rho GTPase-activating protein 28 [Mus musculus]	48,88	3,70	5	3	4	4 zyme regulator activity	nucleus response to stimulus	PI00620	0,905	0,153	3	2,0	729	81,7	7,78
36031035	structural maintenance of chromosomes protein 3 [Mus musculus]	0,00	0,90	1	1	1	1 binding: protein binding	ucleus: organelle lumen response to stimulus	PI02463: PI06470: PI10	0,905	0,153	1		1217	141,5	7,18
27501448	eukaryotic translation initiation factor 6 [Mus musculus]	63,57	22,86	1	4	4	6 RNA binding	ucleus: organelle lumen response to stimulus: transport	PI01912	0,905	0,153	6	8,3	245	26,5	4,74
293651567	E3 ubiquitin-protein ligase UBR2 isoform 2 [Mus musculus]	134,46	2,68	2	4	4	5 binding: protein binding	ne: membrane: nucleus response to stimulus	PI02307: PI02617	0,905	0,153	4	14,9	1755	199,1	6,28
110224445	thioredoxin reductase 1, cytoplasmic isoform 2 [Mus musculus]	227,24	19,64	2	11	11	15 binding: protein binding	ucleus: organelle lumen response to stimulus	PI00070: PI02852: PI07	0,905	0,153	15	15,5	499	54,5	6,33
124487311	NFX1-type zinc finger-containing protein 1 [Mus musculus]	0,00	2,46	1	4	4	4 binding: RNA binding	cytoskeleton	PI01500: PI04851: PF11	0,905	0,153	4	5,0	1909	218,7	7,47
18017596	sorting nexin-4 [Mus musculus]	48,16	5,11	1	2	2	2 protein binding	endosome: membrane mmunication: transport	PI00787: PI09325	0,905	0,153	2	1,2	450	51,7	5,80
6755508	SHC SH2 domain-binding protein 1 [Mus musculus]	215,70	13,47	1	8	8	9 protein binding	response to stimulus	PI12708	0,905	0,153	9	7,9	668	75,9	4,97
31324532	probable D-tyrosyl-RNA(Tyr) deacylase 2 [Mus musculus]	0,00	5,36	1	1	1	1 catalytic activity	cytoplasm metabolic process	PI02580	0,905	0,153	1		168	18,2	7,91
58037139	mitochondrial inner membrane protein OXA1L [Mus musculus]	42,52	2,31	1	1	1	1 protein binding	mbrane: mitochondrion ion of biological process	PI02096	0,906	0,156	1		433	48,2	9,61
31980988	ADP-ribosylation factor-like protein 2 [Mus musculus]	142,77	23,91	1	4	5	5 binding: protein binding	mitochondrion: nucleus response to stimulus: transport	PI00025: PI00071: PI04	0,906	0,156	4	5,1	184	20,9	5,96
29789209	ribonucleoprotein PTB-binding 1 [Mus musculus]	0,00	1,47	1	1	1	1 binding: RNA binding	cytoplasm: nucleus	PI00076	0,906	0,156	1		708	79,3	8,72
189409145	histone-arginine methyltransferase CARM1 isoform 2 [Mus musculus]	38,13	1,54	2	1	1	1 binding: protein binding	plasm: nucleus response to stimulus	PI02475: PI03602: PI05	0,906	0,156	1		585	63,4	6,61
13384644	protein GTF3B [Mus musculus]	79,57	30,91	1	3	3	3			0,906	0,156	3		110	12,7	8,47
377833866	PREDICTED: armadillo repeat-containing protein 1 [Mus musculus]	117,90	22,07	2	6	6	7 metal ion binding	toplasm: mitochondrion transport		0,906	0,156	7	14,3	222	24,5	8,16
7305075	ras GTPase-activating protein-binding protein 1 [Mus musculus]	85,13	5,59	1	2	3	3 in binding: RNA binding	sol: membrane: nucleus response to stimulus: transport	PI00076: PI02136	0,907	0,159	2	6,9	465	51,8	5,59
358030301	low-density lipoprotein receptor isoform 2 precursor [Mus musculus]	29,44	0,86	4	1	1	1 binding: receptor activity	lgi: membrane: vacuole ical process: transport	PI00057: PI00058: PI06	0,907	0,159	1		810	89,4	4,98
168693628	ribulin-															

170763465	myomesin 2 [Mus musculus]	174,67	4,65	1	7	7	8;ctural molecule activity	skeleton; mitochondrion		PI00041; PI00047; PI07	0,908	0,161	7	6,6	1463	164,6	5,77	
33563284	COP9 signalosome complex subunit 6 [Mus musculus]	336,82	25,00	1	7	7	13	protein binding	cytoplasm; nucleus	metabolic process	PI01398	0,908	0,161	13	19,5	324	35,9	5,73
157277981	vomeranase 2, receptor 16 precursor [Mus musculus]	0,00	0,94	1	1	1	1	gnal transducer activity	membrane	response to stimulus	PI00003; PI01094; PI07	0,908	0,161	1		850	96,9	7,59
31541923	methylmalonic aciduria type A homolog, mitochondrial precursor [Mus musculus]	39,32	3,86	1	2	2	2	lity; nucleotide binding	toplasm; mitochondrion	metabolic process	PI02492; PI03308	0,908	0,161	2	19,8	415	45,9	9,32
148664250	heterogeneous nuclear ribonucleoprotein D-like [Mus musculus]	116,27	11,67	1	4	5	13;e binding; RNA binding	cytoplasm; nucleus	ion of biological process	PI00076	0,908	0,161	7	5,6	420	46,2	9,57	
161086893	calcium-binding protein 39 [Mus musculus]	80,35	4,99	1	2	2	2	inding; protein binding	cytoplasm; extracellular	ion of biological process	PI08569	0,908	0,161	2	4,7	341	39,8	6,89
159032056	U6 snRNA-associated Sm-like protein LSM4 [Mus musculus]	97,08	21,01	1	3	3	6	RNA binding	cytoplasm; spliceosomal complex	metabolic process	PI01423	0,908	0,161	6	6,3	138	15,2	10,05
254675306	leucine-rich repeat and coiled-coil domain-containing protein 1 isoform 1 [Mus musculus]	0,00	1,01	3	1	1	1	protein binding	ion; membrane	nucleus; ionization and biogenesis	PI07888; PI09726; PI12	0,908	0,161	1		993	115,2	5,99
10946986	cAMP-regulated phosphoprotein 19 isoform 1 [Mus musculus]	134,16	16,96	4	2	2	5	activity; protein binding	cytoplasm	response to stimulus	PI04667	0,908	0,161	5	3,8	112	12,3	9,09
227908784	elongation factor Tu GTP-binding domain-containing protein 1 [Mus musculus]	90,27	3,82	1	5	5	5	le binding; RNA binding	cytoplasm	esis; metabolic process	PI00009; PI00679; PI03	0,908	0,161	5	6,2	1127	125,7	6,16
124378033	nuclear pore complex protein Nup214 [Mus musculus]	66,36	1,97	1	4	4	4	ing; transporter activity	membrane	nucleus; igital process; transport		0,908	0,161	4	5,2	2085	212,8	7,08
160707978	protein piccolo isoform 2 [Mus musculus]	0,00	0,19	2	1	1	7	inding; protein binding	ucleus; organelle lumen	ie to stimulus; transport	PI00168; PI00595; PI03	0,908	0,161	6	10,6	4863	527,9	6,35
239937491	E3 ubiquitin-protein ligase TRIM32 [Mus musculus]	0,00	1,68	1	1	1	1	inding; RNA binding	y; cytoskeleton; nucleus	is; response to stimulus	PI00097; PI01436; PI10	0,908	0,161	1		655	72,0	6,90
31541939	chitinase domain-containing protein 1 isoform 2 precursor [Mus musculus]	33,87	2,58	2	1	1	1	atalytic activity	Golgi; nucleus; vacuole	is; response to stimulus		0,909	0,164	1		310	35,5	8,37
21312944	calcium-binding and coiled-coil domain-containing protein 1 [Mus musculus]	93,87	10,85	1	7	7	7	activity; protein binding	ucleus; organelle lumen	ion of biological process	PI01576; PI04156; PI05	0,909	0,164	7	4,3	691	77,2	4,82
9910556	small ubiquitin-related modifier 3 precursor [Mus musculus]	198,83	22,73	2	3	3	8	activity; protein binding	ucleus; organelle lumen	ion of biological process	PI00240; PI11976	0,909	0,164	8	7,2	110	12,4	5,96
20806109	poly [ADP-ribose] polymerase 1 [Mus musculus]	255,41	12,62	1	12	12	15	inding; RNA binding	ucleus; organelle lumen	ie to stimulus; transport	PI00533; PI00644; PI00	0,909	0,164	13	19,5	1014	112,7	8,95
13385168	cytochrome b-c1 complex subunit Rieske, mitochondrial [Mus musculus]	103,64	8,76	1	4	4	14	ing; transporter activity	mbrane; mitochondrion	ie to stimulus; transport	PI00355; PI02921; PI09	0,909	0,164	14	8,3	274	29,3	8,70
163644329	apolipoprotein E precursor [Mus musculus]	85,95	26,37	1	7	7	8	ing; transporter activity	brane; nucleus; vacuole	ie to stimulus; transport	PI01442	0,909	0,164	7	15,7	311	35,8	5,68
11177922	replication factor C subunit 2 [Mus musculus]	28,56	2,87	1	1	1	1	ing; nucleotide binding	chromosome; nucleus	is; response to stimulus	PI00004; PI01078; PI01	0,910	0,167	1		349	38,7	6,44
359279904	tropomyosin alpha-3 chain isoform 3 [Mus musculus]	315,05	33,87	6	12	21	21	protein binding	oskeleton; extracellular		PI00261; PI12718	0,910	0,167	8	4,9	248	29,0	4,78
11528490	protein flightless-1 homolog [Mus musculus]	54,68	1,49	1	2	2	2	protein binding	y; cytoskeleton; nucleus	ion of biological process	PI00626; PI12799	0,910	0,167	2	6,2	1271	144,7	6,06
30023855	enhancer of yellow 2 transcription factor homolog [Mus musculus]	0,00	7,92	1	1	1	1	ucleus; organelle lumen	igital process; transport	PI10163	0,910	0,167	1		101	11,5	9,33	
251823802	ubiquitin carboxyl-terminal hydrolase 16 [Mus musculus]	0,00	1,09	1	1	1	1	inding; protein binding	nucleus	is; response to stimulus	PI00443; PI02148	0,910	0,167	1		825	93,4	6,18
21312930	Golgi apparatus membrane protein TYP23 homolog B [Mus musculus]	0,00	3,90	1	1	1	1		membrane		PI05832	0,910	0,167	1		205	23,3	8,34
83009766	PREDICTED: regulator complex protein LAMTOR3-like [Mus musculus]	33,54	8,87	2	1	1	1			is; response to stimulus	PI08923	0,910	0,167	1		124	13,6	6,54
171184418	hydroxylsine kinase [Mus musculus]	26,75	2,13	1	1	1	1	lity; nucleotide binding	cytoplasm; membrane	metabolic process	PI01636; PI06293	0,910	0,167	1		376	42,3	6,02
34328187	cytoplasmic protein NCK1 [Mus musculus]	151,28	18,30	2	6	6	7	activity; protein binding	m; membrane; nucleus	is; response to stimulus	PI00017; PI00018; PI07	0,910	0,167	7	3,5	377	42,9	6,47
31981382	inosine-5'-monophosphate dehydrogenase 2 [Mus musculus]	429,21	32,10	3	16	16	27	inding; RNA binding	ar; membrane; nucleus	is; response to stimulus	PI00478; PI00571; PI00	0,910	0,167	25	11,2	514	55,8	7,28
18017602	SH3 domain-binding glutamic acid-rich-like protein 3 [Mus musculus]	94,68	38,71	1	4	4	10	atalytic activity	y; extracellular; nucleus	ion of biological process	PI00462; PI04908	0,910	0,167	8	7,5	93	10,5	5,14
13385798	dynactin subunit 4 [Mus musculus]	106,17	6,74	1	2	2	3	protein binding	cytoplasm; cytoskeleton		PI00560	0,911	0,170	3	2,0	460	52,2	7,69
21359827	charged multivesicular body protein 7 [Mus musculus]	34,70	2,44	1	1	1	1	transporter activity	ne; membrane; nucleus	transport	PI03357	0,911	0,170	1		451	50,6	5,22
71040107	cell adhesion molecule 1 isoform d precursor [Mus musculus]	0,00	3,12	4	1	1	1	protein binding	cytoplasm; membrane	ie to stimulus; transport	PI00047; PI07679; PI07	0,911	0,170	1		417	45,8	5,12
18079341	eukaryotic translation initiation factor 3 subunit H [Mus musculus]	183,96	13,35	1	5	5	6	inding; RNA binding	cytoplasm; extracellular	esis; metabolic process	PI01398	0,911	0,170	6	10,9	352	39,8	6,67
312147392	NADP-dependent malic enzyme isoform 2 [Mus musculus]	121,39	8,88	2	7	7	9	inding; protein binding	cytosol; mitochondrion	is; response to stimulus	PI00393; PI03949	0,911	0,170	8	6,5	552	61,4	6,48
120300928	potassium channel subfamily U member 1 [Mus musculus]	0,00	1,34	1	1	1	1	ing; transporter activity	membrane	igital process; transport	PI00520; PI03493; PI07	0,911	0,170	1		1121	126,8	8,10
226874935	inter-alpha-trypsin inhibitor heavy chain B2 precursor [Mus musculus]	79,53	4,00	1	4	4	4	activity; protein binding	extracellular	ion of biological process	PI00092; PI06668; PI08	0,911	0,170	4	4,8	950	106,3	7,40
189458847	cordon-bleu protein-like 1 isoform 2 [Mus musculus]	161,98	8,56	2	9	9	11		extracellular		PI09469	0,911	0,170	11	10,6	1203	129,5	8,00
7106399	ribonucleoside-diphosphate reductase subunit M2 [Mus musculus]	138,68	8,72	1	2	3	3	inding; protein binding	cytoplasm; nucleus	ion of biological process	PI00268	0,911	0,170	2	9,1	390	45,1	5,45
9055242	dnal homolog subfamily B member 1 [Mus musculus]	142,79	20,29	1	6	7	10	activity; protein binding	ucleus; organelle lumen	is; response to stimulus	PI00226; PI01556	0,911	0,170	8	4,1	340	38,1	8,63
124486895	6-phosphogluconate dehydrogenase, decarboxylating [Mus musculus]	244,97	19,25	1	8	8	8	lity; nucleotide binding	y; extracellular; nucleus	metabolic process	PI00393; PI03446	0,911	0,170	9	6,2	483	53,2	7,23
56499434	eukaryotic translation initiation factor 4 gamma 1 isoform b [Mus musculus]	417,81	12,37	2	16	20	30	inding; RNA binding	cytoplasm	ion of biological process	PI00566; PI02020; PI02	0,911	0,170	25	8,6	1593	175,2	5,38
357197177	mothers against decapentaplegic homolog 2 [Mus musculus]	60,65	2,57	1	1	1	1	gnal transducer activity	cytoplasm; nucleus	ie to stimulus; transport	PI03165; PI03166	0,911	0,170	1		467	52,2	6,58
31543918	ubiquitin-conjugating enzyme E2 variant 2 isoform 1 [Mus musculus]	57,79	20,00	2	2	3	4	activity; protein binding	nucleus	is; response to stimulus	PI00179	0,911	0,170	3	10,7	145	16,4	8,09
6806905	T-cell antigen CD7 precursor [Mus musculus]	42,38	3,81	1	1	1	1	protein binding	membrane		PI00047; PI07679; PI07	0,912	0,173	1		210	23,1	8,24
12963663	magnesium-dependent phosphatase 1 [Mus musculus]	20,10	4,27	1	1	1	1	gnal transducer activity		metabolic process	PI00702; PI10216; PI12	0,912	0,173	1		164	18,6	6,80
62243857	autophagy-related protein 2 homolog A [Mus musculus]	0,00	0,47	1	1	1	1		cytoplasm; membrane	metabolic process	PI09333; PI12624	0,912	0,173	1		1914	210,8	6,06
19527220	polyphosphoinositide phosphatase [Mus musculus]	31,67	1,32	1	1	1	1	gnal transducer activity	ome; Golgi; membrane	is; response to stimulus	PI02383	0,912	0,173	1		907	103,4	6,98
29150251	DNA damage-binding protein 2 [Mus musculus]	49,37	2,55	1	1	1	1	inding; protein binding	nucleus	is; response to stimulus	PI00400	0,912	0,173	1		432	48,3	9,17
21313424	dr1-associated corepressor [Mus musculus]	81,61	8,78	1	2	2	2	inding; protein binding	nucleus	ion of biological process	PI00125; PI00808	0,913	0,176	2	5,1	205	22,3	5,26
21312046	mitotic spindle-associated NMDX complex subunit MIP18 [Mus musculus]	58,12	17,18	1	2	2	2	inding; nucleotide binding	keleton; cytosol; nucleus		PI01883	0,913	0,176	2	20,8	163	17,7	4,98
13195618	charged multivesicular body protein 1b-1 [Mus musculus]	22,80	7,04	2	2	2	2	protein binding	xtracellular; membrane	cell division; transport	PI03357	0,913	0,176	2	8,9	199	22,1	8,10
23956336	PMS1 protein homolog 1 [Mus musculus]	26,26	1,09	1	1	1	1	inding; nucleotide binding	nucleus	is; response to stimulus	PI01119; PI02518	0,913	0,176	1		917	103,5	7,05
21312936	39S ribosomal protein L13, mitochondrial [Mus musculus]	0,00	5,62	1	1	1	1	ctural molecule activity	anelle lumen; ribosome	metabolic process	PI00572	0,913	0,176	1		178	20,7	9,35
7305229	L-lactate dehydrogenase C chain [Mus musculus]	1979,55	38,86	1	12	13	65	inding; protein binding	cytoplasm; nucleus	ient; metabolic process	PI00056; PI02866	0,913	0,176	30		322	35,9	8,21
256818806	tryptophan--RNA ligase, cytoplasmic isoform 2 [Mus musculus]	164,71	23,58	3	10	10	19	lity; nucleotide binding	y; extracellular; nucleus	ion of biological process	PI00458; PI00579	0,913	0,176	19	7,8	475	53,6	7,08
30424639	oogenesis 4 [Mus musculus]	275,81	23,02	1	9	9	15					0,914	0,178	14	13,7	430	49,4	5,60
6754850	nuclear transcription factor Y subunit beta [Mus musculus]	29,05	6,28	1	1	1	1	inding; protein binding	ucleus; organelle lumen	ion of biological process	PI00125; PI00808	0,914	0,178	1		207	22,8	4,59
9790077	glycogen synthase kinase-3 beta [Mus musculus]	18,87	2,62	1	1	1	1	inding; protein binding	ucleus; organelle lumen	ie to stimulus; transport	PI00069; PI01636; PI07	0,914	0,178	1		420	46,7	8,78
251823891	histidine--RNA ligase, cytoplasmic [Mus musculus]	190,37	16,11	2	9	9	11	le binding; RNA binding	cytoplasm	metabolic process	PI00587; PI03	0,914	0,178	10		509	57,4	6,00
94681040	transforming acidic coiled-coil-containing protein 3 [Mus musculus]	834,36	29,68	1	24	24	47	ctural molecule activity	mbrane; mitochondrion	ie to stimulus; transport	PI00901; PI10225; PI01	0,914	0,178	46	7,5	630	70,4	4,61
213972631	targeting protein for Xkfp2 [Mus musculus]	66,70	8,99	1	6	6	7	protein binding	y; cytoskeleton; nucleus	ion of biological process	PI09041; PI12214	0,915	0,181	7	7,8	745	85,8	9,38
33859823	regulating synaptic membrane exocytosis protein 3 [Mus musculus]	32,67	4,23	1	1	1	1	protein binding		igital process; transport	PI00168	0,915	0,181	1		307	32,6	9,29
12566150	hydroxysteroid dehydrogenase-like protein 2 [Mus musculus]	120,15	11,43	1	4	4	5	lity; nucleotide binding	toplasm; mitochondrion	metabolic process	PI00106; PI02036	0,915	0,181	5		940	54,2	6,74
6679525	phosphotriesterase-related protein 2 [Mus musculus]	83,64	13,18	5	5	5	5	lity; metal ion binding	extracellular	metabolic process	PI01026; PI02126	0,915	0,181	5	2,7	349	39,2	6,67
304376297	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat [Mus musculus]	92,89	7,35	1	6	6	6	protein binding			PI00023; PI12796	0,915	0,181	6	10,5	993	107,3	6,42
157057176	serine/threonine-protein kinase WNK2 [Mus musculus]	209,75	6,51	1	10	14	17	lity; nucleotide binding	cytoplasm; membrane	ie to stimulus; transport	PI00069; PI07714; PI12	0,915	0,181	11	5,2	2059	218,0	5,73
8394490	translin-associated protein X [Mus musculus]	44,88	6,55	1	2</													

211065507	aspartate--RNA ligase, cytoplasmic isoform 1 [Mus musculus]	115,63	16,77	2	9	9	10	le binding: RNA binding	cytoplasm; extracellular	metabolic process	PI00152; PI01336	0,917	0,187	10	8,6	501	57,1	6,49	
110625714	kinetochore protein Nuf2 [Mus musculus]	118,21	11,88	1	6	6	7		ucleus; organelle lumen	ogenesis; reproduction	PI03800; PI05483; PI08	0,917	0,187	6	4,0	463	54,6	8,22	
84662730	far upstream element-binding protein 1 [Mus musculus]	344,41	23,68	1	12	15	19	in binding: RNA binding	nucleus	ion of biological process	PI00013	0,917	0,187	14	5,9	642	67,4	7,61	
22122389	mini-chromosome maintenance complex-binding protein [Mus mus]	23,38	1,56	1	1	1	1		m; membrane	nucleus;esis: metabolic process	PI09739	0,917	0,187	1		642	72,8	5,66	
6755224	twirlfin-2 [Mus musculus]	48,39	7,16	1	2	3	3	in binding: RNA binding	cytoskeleton; extracellular	is: response to stimulus	PI00241	0,917	0,187	2	14,1	349	39,4	6,80	
22095003	splicing factor 3A subunit 3 [Mus musculus]	109,39	9,38	1	5	5	6	in binding: RNA binding	is: spliceosomal complex	metabolic process	PI11931; PI12108	0,917	0,187	5	3,2	501	58,8	5,34	
189491857	liprin-alpha-1 isoform B [Mus musculus]	0,00	1,21	2	1	1	1	activity: protein binding	mitochondrion; nucleus	ion of biological process	PI00536; PI00769; PI01	0,917	0,187	1		1241	140,0	6,14	
440309866	adenosine deaminase [Mus musculus]	482,07	40,34	1	14	14	28	livity: metal ion binding	ganellie lumen; vacuole	to stimulus; transport	PI00962	0,918	0,190	27	6,4	352	40,0	5,72	
407262634	PREDICTED: G2/mitotic-specific cyclin-B1-like, partial [Mus muscu]	28,54	2,33	3	1	1	1		membrane		PI00134	0,918	0,190	1		301	33,7	5,63	
6753488	COP9 signalosome complex subunit 3 [Mus musculus]	233,03	16,55	1	6	6	11	protein binding	cytoplasm; nucleus	ent: metabolic process	PI01399	0,918	0,190	10	4,5	423	47,8	6,65	
13384810	acylphosphatase-1 [Mus musculus]	82,80	37,37	1	4	4	4	catalytic activity		metabolic process	PI00708	0,918	0,190	4	10,3	99	11,2	9,04	
306774103	serine/arginine-rich splicing factor 7 isoform 4 [Mus musculus]	86,44	19,28	5	3	4	5	in binding: RNA binding	cytoplasm; nucleus	igical process; transport	PI00076	0,918	0,190	4	6,4	223	25,6	11,80	
227116320	K506-binding protein 15 [Mus musculus]	48,08	0,82	1	1	1	1	activity: protein binding	extracellular; membrane	igical process; transport	PI00038; PI00254; PI01	0,918	0,190	1		1216	132,9	5,07	
9055336	PDZ domain-containing protein GIPC1 [Mus musculus]	0,00	4,50	1	1	1	1	activity: protein binding	extracellular; membrane	to stimulus; transport	PI00595	0,918	0,190	1		333	36,1	5,91	
256220343	dehydrogenase/reductase SDR family member 4 isoform 1 [Mus m	53,72	2,87	1	1	1	1	binding: protein binding	mitochondrion; nucleus	esis: metabolic process	PI00106; PI08659	0,918	0,190	1		279	29,9	9,38	
160948614	E3 ubiquitin-protein ligase UBR3 isoform 2 [Mus musculus]	31,57	0,37	2	1	1	1	binding: protein binding	membrane	is: response to stimulus	PI02207	0,918	0,190	1		1889	212,6	5,90	
268607544	tudor domain-containing protein 1 [Mus musculus]	124,15	5,89	1	6	7	8	binding: protein binding	cytoplasm	al process; reproduction	PI00567; PI01753	0,918	0,190	6	12,4	1172	129,6	5,81	
283806722	neurocalcin-delta [Mus musculus]	35,89	20,21	1	2	4	6	binding: protein binding	cytoplasm; cytosol	is: response to stimulus	PI00036	0,918	0,190	2	12,2	193	22,2	5,35	
160948569	regulator of G-protein signaling 3 isoform 2 [Mus musculus]	33,55	1,14	1	1	1	1	lctural molecule activity	ar; membrane	is: response to stimulus	PI00595; PI02	0,919	0,193	1		966	106,2	5,86	
148276987	trafficking protein particle complex subunit 13 isoform 3 [Mus mus	46,88	3,88	3	2	2	2	catalytic activity		metabolic process	PI06159	0,919	0,193	2	6,1	412	45,9	5,60	
220941123	transcription elongation factor SPT5 [Mus musculus]	38,72	1,85	1	2	2	2	in binding: RNA binding	ucleus; organelle lumen	is: response to stimulus	PI00467; PI03439; PI04	0,919	0,193	2	6,1	1082	120,6	5,05	
172072615	N-alpha-acetyltransferase 35, NaTC auxiliary subunit [Mus muscu]	135,40	7,86	1	5	6	7	protein binding	m; membrane	nucleus	ion of biological process	PI04112	0,919	0,193	6	5,9	725	83,3	7,30
6755995	WD repeat-containing protein 1 [Mus musculus]	889,10	33,17	1	22	22	54	protein binding	cytoskeleton; extracellular		PI00400; PI04762; PI08	0,919	0,193	47	11,2	606	66,4	6,60	
15809044	2'-5' oligoadenylate synthetase 1C [Mus musculus]	633,47	41,71	3	6	14	42	le binding: RNA binding		is: response to stimulus	PI10421	0,919	0,193	14	10,5	362	42,9	6,05	
51921377	reproductive homeobox on X chromosome, 8 [Mus musculus]	21,88	4,38	1	1	1	1	DNA binding	nucleus	ion of biological process	PI00046	0,919	0,193	1		320	35,9	3,94	
27883860	zygote arrest protein 1 [Mus musculus]	293,93	21,05	1	10	10	16		cytoplasm	development; transport		0,919	0,193	16	7,6	361	40,0	8,72	
148539988	paraplegin [Mus musculus]	0,00	0,90	1	1	1	1	ing: nucleotide binding	mbrane; mitochondrion	to stimulus; transport	PI00004; PI01078; PI01	0,919	0,193	1		781	85,9	9,04	
21704134	F-box only protein 21 [Mus musculus]	0,00	1,75	1	1	1	1	binding: protein binding			PI08755; PI12937	0,919	0,193	1		627	72,1	6,06	
27369754	astacin-like metalloendopeptidase [Mus musculus]	624,89	32,13	1	10	10	36	binding: protein binding	cytoplasm; membrane	al process; reproduction	PI01400	0,919	0,193	30	13,4	414	45,1	7,24	
6753322	T-complex protein 1 subunit delta [Mus musculus]	417,83	27,83	1	15	15	30	in binding: RNA binding	t; extracellular; nucleus	c process; reproduction	PI00118	0,919	0,193	30	9,8	539	58,0	8,02	
70778930	dual specificity protein phosphatase 12 [Mus musculus]	43,45	6,78	1	2	2	2	binding: protein binding	cytoplasm; nucleus	ion of biological process	PI00102; PI00782	0,920	0,196	2	3,7	539	37,1	7,99	
13386064	YEATS domain-containing protein 4 [Mus musculus]	52,25	3,08	1	1	1	1	protein binding	ucleus; organelle lumen	ion of biological process	PI03366	0,920	0,196	1		227	26,5	8,41	
21536236	homeobox protein NOBOX [Mus musculus]	79,87	1,71	1	1	1	1	DNA binding	cytoplasm; nucleus	al process; reproduction	PI00046	0,920	0,196	1		527	57,5	5,19	
9790153	peroxisomal membrane protein PEX14 [Mus musculus]	145,72	3,19	1	1	1	4	protein binding	ucleus; organelle lumen	igical process; transport	PI04695	0,920	0,196	4	5,0	376	41,2	5,11	
270265917	synapse-associated protein 1 [Mus musculus]	79,01	10,41	4	4	4	4		toplasm; Golgi; nucleus		PI03909	0,920	0,196	4	7,7	365	41,3	4,54	
29150274	protein GPR108 precursor [Mus musculus]	0,00	1,41	1	1	1	1		membrane		PI06814	0,920	0,196	1		569	63,9	7,56	
22003878	protein lin-28 homolog A [Mus musculus]	0,00	6,70	1	1	1	1	in binding: RNA binding	ucleus; organelle lumen	in; response to stimulus	PI00313	0,920	0,196	1		209	22,7	8,53	
110625896	TOM1-like protein 1 [Mus musculus]	33,10	2,02	1	1	1	1	activity: protein binding	ome; Golgi; membrane	to stimulus; transport	PI00790; PI03127	0,920	0,196	1		397	44,1	5,00	
84042521	barrier-to-autointegration factor [Mus musculus]	25,49	7,87	1	1	1	2	DNA binding	me; cytoplasm; nucleus	metabolic process	PI02961	0,920	0,196	2	1,3	89	10,1	6,09	
21704004	guanine nucleotide exchange factor MSS4 [Mus musculus]	0,00	8,94	1	1	1	1	metal ion binding		to stimulus; transport	PI04421	0,920	0,196	1		123	13,9	5,52	
499591031	PIH1 domain-containing protein 1 [Mus musculus]	43,52	2,41	1	1	1	1			inization and biogenesis	PI08190	0,920	0,196	1		290	32,2	5,21	
61657895	peroxisome biogenesis factor 1 [Mus musculus]	71,16	1,61	1	2	2	2	binding: protein binding	sol; membrane	nucleus	to stimulus; transport	PI00004; PI05496; PI06	0,921	0,200	2	1,6	1244	136,7	6,21
46402179	protein transport protein Sec24B [Mus musculus]	32,30	1,28	1	1	1	1	binding: protein binding	cytoplasm; membrane	igical process; transport	PI00026; PI04810; PI04	0,921	0,200	1		1251	135,5	6,96	
158854022	ethylmalonyl-CoA decarboxylase isoform b [Mus musculus]	0,00	4,35	2	1	1	1	catalytic activity	cytoplasm; cytosol	metabolic process	PI00378	0,921	0,200	1		299	32,7	7,02	
355390287	RNA binding motif protein, X-linked-like-1 [Mus musculus]	110,97	19,59	2	8	8	13	in binding: RNA binding	y; spliceosomal complex	is: response to stimulus	PI00076; PI08081	0,921	0,200	13	7,9	388	42,1	9,99	
224809373	kinesin-like protein KIF2A isoform 2 [Mus musculus]	152,14	10,92	4	8	9	9	binding: protein binding	y; cytoskeleton; vacuole	ent: metabolic process	PI00225	0,921	0,200	8	3,6	705	79,7	6,73	
329299048	DCN1-like protein 1 isoform 1 [Mus musculus]	212,60	18,92	6	5	5	9	protein binding			PI03556	0,921	0,200	9	4,5	259	30,1	5,34	
22122693	HAUS augmin-like complex subunit 3 [Mus musculus]	37,76	2,81	1	2	2	2		cytoplasm; cytoskeleton	inization and biogenesis	PI12252	0,921	0,200	2	8,3	570	66,3	5,29	
27229125	bifunctional coenzyme A synthase precursor [Mus musculus]	87,00	6,57	4	4	4	4	livity: nucleotide binding	ucleus; organelle lumen	metabolic process	PI01121; PI01467	0,921	0,200	4	22,1	563	62,0	7,11	
167466258	cullin-4A [Mus musculus]	134,04	10,67	1	1	9	10	protein binding		is: response to stimulus	PI00888; PI010557	0,921	0,200	1		759	87,7	8,35	
261878543	C-1-tetrahydrofolate synthase, cytoplasmic [Mus musculus]	372,30	19,89	1	19	19	27	lity: nucleotide binding	ccellular; mitochondrion	metabolic process	PI00763; PI01268; PI02	0,921	0,200	24	7,0	935	101,1	7,14	
6753882	peptidyl-prolyl cis-trans isomerase FKBP4 [Mus musculus]	424,74	27,95	1	12	12	25	in binding: RNA binding	mitochondrion; nucleus	to stimulus; transport	PI00254; PI00515; PI07	0,921	0,200	24	13,0	458	51,5	5,72	
13385324	cysteine and histidine-rich domain-containing protein 1 [Mus musc	108,61	15,11	1	5	5	7	binding: protein binding		is: response to stimulus	PI04968; PI04969	0,921	0,200	7	7,2	331	37,3	7,90	
6680924	cofilin-1 [Mus musculus]	817,16	68,07	1	10	13	55	protein binding	ucleus; organelle lumen	to stimulus; transport	PI00241	0,922	0,203	26		49	166	18,5	
153791789	signal recognition factor 54 kDa protein [Mus musculus]	168,19	12,70	2	7	7	8	le binding: RNA binding	ucleus; organelle lumen	to stimulus; transport	PI00448; PI01656; PI02	0,922	0,203	8	9,9	504	55,7	8,75	
31541826	calcium-binding protein 39-like [Mus musculus]	90,58	12,76	1	4	4	5				PI08569	0,922	0,203	4	3,8	337	39,1	8,31	
6671746	cofilin-2 [Mus musculus]	660,69	29,52	1	4	7	37	protein binding	ucleus; organelle lumen	ion of biological process	PI00241	0,922	0,203	8	3,1	166	18,7	7,88	
9507097	endophilin-B1 [Mus musculus]	82,84	7,67	1	2	3	4	activity: protein binding	mbrane; mitochondrion	to stimulus; transport	PI00018; PI03114; PI07	0,922	0,203	2	4,1	365	40,8	6,04	
13399318	protein Hikeshi [Mus musculus]	0,00	8,12	1	1	1	1	ing: transporter activity	iplasm; cytosol; nucleus	to stimulus; transport	PI05603	0,922	0,203	1		197	21,6	5,45	
17157983	peroxisomal carnitine O-octanoyltransferase [Mus musculus]	0,00	1,14	1	1	1	1	activity: protein binding	toplasm; mitochondrion	to stimulus; transport	PI00755	0,922	0,203	1		612	70,2	6,73	
57634518	sepin-11 [Mus musculus]	127,45	15,62	11	5	6	9	nucleotide binding	cytoplasm; cytoskeleton	inization and biogenesis	PI00735	0,923	0,206	8	2,3	429	49,3	6,81	
297747288	profilin subunit 6 [Mus musculus]	134,70	29,13	1	5	5	8	protein binding	nucleus;esis; metabolic process		PI01920	0,923	0,206	8	3,3	127	14,4	8,88	
327315370	sorbin and SH3 domain-containing protein 2 isoform 2 [Mus muscu]	0,00	0,92	2	1	1	1	in binding: RNA binding	cytoskeleton; membrane	component movement	PI00018; PI02208; PI07	0,923	0,206	1		1196	134,2	8,34	
124487331	biliverdin reductase A precursor [Mus musculus]	103,60	14,24	1	4	4	4	ing: nucleotide binding	cytoplasm; extracellular	metabolic process	PI01408; PI09166	0,923	0,206	4	2,4	295	33,5	7,02	
225543150	disks large-associated protein 5 [Mus musculus]	154,19	12,13	1	10	10	11	catalytic activity	y; cytoskeleton; nucleus	ation; metabolic process	PI03359	0,923	0,206	11	5,4	808	90,2	9,17	
7949098	neuronal pentraxin-2 precursor [Mus musculus]	0,00	1,63	1	1	1	1	metal ion binding	extracellular		PI00354	0,923	0,206	1		429	47,1	5,81	
409191601	transketolase-like protein 2 [Mus musculus]	66,99	3,67	1	2	2	2	livity: metal ion binding	cytoplasm	metabolic process	PI00456; PI00676; PI02	0,923	0,206	2	5,1	627	68,4	6,96	
124107629	caprin-2 [Mus musculus]	76,77	3,20	1	4	4	4	in binding: RNA binding	mitochondrion; nucleus	is: response to stimulus	PI00386; PI12287	0,923	0,206	4	8,9	1031	114,4	6,81	
255918149	DNA replication licensing factor MCM4 [Mus musculus]	151,53	10,44	1	9	9	9	binding: protein binding	n										

6679034	NEDD8 precursor [Mus musculus]	35,72	18,52	2	2	2	4	protein binding	extracellular; nucleus	is; response to stimulus	PI00240; PI11976	0,924	0,209	4	5,3	81	9,0	7,25
100817933	acyl-CoA dehydrogenase family member 9, mitochondrial [Mus musculus]	68,74	4,80	1	3	3	3	vity; nucleotide binding	mitochondrion; nucleus	metabolic process	PI00441; PI02770; PI02	0,924	0,209	3	11,5	625	68,7	7,46
228008377	small kinetochore-associated protein [Mus musculus]	48,21	5,77	1	2	2	2	protein binding	cytoskeleton; nucleus	ion of biological process	PI00064; PI00641; PI0	0,924	0,209	2	10,8	312	34,7	5,20
6755100	proliferation-associated protein 2G4 [Mus musculus]	248,72	25,13	1	10	10	14	in binding; RNA binding	cytosol; organelle lumen	ion of biological process	PI00557	0,925	0,212	14	3,4	394	43,7	6,86
254588102	nucleoporin 153 [Mus musculus]	30,74	2,12	1	3	3	3	ity; transporter activity	cytosol; organelle lumen	igical process; transport	PI00641; PI08604; PI0	0,925	0,212	3	13,4	1462	151,9	8,84
30794432	charged multivesicular body protein 2b [Mus musculus]	195,94	29,58	1	7	7	9	protein binding	mitochondrion; nucleus	transport	PI03357	0,925	0,212	9	7,8	213	23,9	8,78
164565377	splicing factor U2AF 65 kDa subunit isoform 2 [Mus musculus]	94,19	9,34	3	4	4	4	in binding; RNA binding	cytosol; spliceosomal complex	ion of biological process	PI00076	0,925	0,212	4	1,8	471	53,1	9,09
83921589	fragile X mental retardation syndrome-related protein 2 [Mus musculus]	340,45	23,44	1	8	12	16	in binding; RNA binding	cytoplasm		PI00013; PI05641	0,925	0,212	10	5,3	674	74,2	6,23
215983062	EH domain-containing protein 3 [Mus musculus]	92,51	5,79	1	1	3	4	in binding; protein binding	endosome; membrane	ibolic process; transport	PI00350; PI01926; PI2	0,925	0,212	1	535	60,8	6,46	
13385434	multifunctional protein ADE2 [Mus musculus]	183,58	22,59	2	10	10	10	in binding; protein binding	extracellular	metabolic process	PI00731; PI01259	0,925	0,212	9	10,1	425	47,0	7,23
30424792	inactive hydroxysteroid dehydrogenase-like protein 1 [Mus musculus]	20,18	2,73	1	1	1	1	vity; nucleotide binding	toplasm; mitochondrion	metabolic process	PI00106	0,925	0,212	1	320	36,8	8,48	
161016835	breast cancer type 1 susceptibility protein homolog [Mus musculus]	54,67	0,44	1	1	1	1	in binding; RNA binding	cytosol; organelle lumen	is; response to stimulus	PI00097; PI00533; PI04	0,925	0,212	1	1812	198,7	5,76	
77404392	staphylococcal nuclease domain-containing protein 1 [Mus musculus]	171,49	14,51	1	13	13	16	in binding; RNA binding	mitochondrion; nucleus	ion of biological process	PI00565; PI00567	0,925	0,212	15	12,7	910	102,0	7,43
22267440	osteoclast-stimulating factor 1 [Mus musculus]	66,60	8,84	1	2	2	2	protein binding	cytoplasm		PI00018; PI00023; PI07	0,925	0,212	2	1,1	215	23,8	5,68
22095023	dual specificity mitogen-activated protein kinase kinase 4 [Mus musculus]	67,24	13,85	1	5	5	6	in binding; protein binding	plasm; cytosol; nucleus	is; response to stimulus	PI00069; PI07714	0,925	0,212	6	4,7	397	44,1	8,07
30520181	kelch-like protein 8 [Mus musculus]	78,77	3,50	1	2	2	2	protein binding	nucleus	metabolic process	PI00651; PI01344; PI07	0,926	0,215	2	30,3	629	69,7	6,40
118403322	isobutyryl-CoA dehydrogenase, mitochondrial precursor [Mus musculus]	0,00	3,39	1	1	1	1	vity; nucleotide binding	toplasm; mitochondrion	metabolic process	PI00441; PI02770; PI02	0,926	0,215	1	413	45,1	8,02	
157909801	mitochondrial import receptor subunit TOM40 homolog [Mus musculus]	97,11	7,20	1	3	3	4	transporter activity	mbane; mitochondrion	igical process; transport	PI01459	0,926	0,215	4	2,7	361	37,9	7,74
6755040	profilin-1 [Mus musculus]	560,32	38,57	1	7	7	33	in binding; RNA binding	cytosol; extracellular	is; response to stimulus	PI00235	0,926	0,215	33	7,4	140	14,9	8,28
409168304	armadillo repeat-containing protein 3 isoform 3 [Mus musculus]	0,00	2,89	3	1	1	1	protein binding	extracellular		PI00514; PI05804	0,926	0,215	1	865	95,4	6,20	
19526908	biogenesis of lysosome-related organelles complex 1 subunit 4 [Mus musculus]	0,00	4,65	1	1	1	1	protein binding	cytoplasm; cytosol	ie to stimulus; transport	PI00076	0,926	0,215	1	215	23,1	5,14	
31981592	EH domain-containing protein 4 [Mus musculus]	226,23	23,66	1	12	14	17	in binding; protein binding	extracellular; membrane	ie to stimulus; transport	PI00350; PI01926; PI2	0,926	0,215	14	10,9	541	61,4	6,76
254553468	spermatogenesis-associated protein 5 isoform 2 [Mus musculus]	91,78	2,35	3	1	2	4	in binding; RNA binding	toplasm; mitochondrion	in; response to stimulus	PI00004; PI00910; PI01	0,926	0,215	1	892	97,1	8,24	
62530188	activator of 90 kDa heat shock protein ATPase homolog 2 [Mus musculus]	92,76	8,46	1	3	3	3	activity; protein binding	cytosol; organelle lumen	is; response to stimulus	PI00621; PI09229	0,926	0,215	3	0,4	331	37,6	6,44
30794150	alpha-mannosidase 2C1 [Mus musculus]	56,64	1,73	1	2	2	2	ivity; metal ion binding	cytosol	metabolic process	PI01074; PI07748; PI09	0,926	0,215	2	1,0	1039	115,6	6,51
20806111	ubiquitin-conjugating enzyme E2 G2 [Mus musculus]	22,50	5,45	1	1	1	1	in binding; protein binding	cytoplasm; endoplasmic reticulum	metabolic process	PI00179	0,926	0,215	1	165	18,6	4,70	
6679160	nucleoredoxin [Mus musculus]	45,27	3,68	1	2	2	2	activity; protein binding	plasm; cytosol; nucleus	is; response to stimulus	PI00578	0,927	0,219	2	11,1	435	48,3	4,93
29789343	eukaryotic translation initiation factor 3 subunit B [Mus musculus]	153,33	16,56	1	14	14	15	in binding; RNA binding	cytoplasm; extracellular	ion of biological process	PI00076; PI08662	0,927	0,219	15	8,3	803	91,3	5,02
260593704	beta-1,3-galactosyl-O-glycosyl-protein beta-1,6-N-acetylglucosaminidase 1 [Mus musculus]	0,00	5,93	1	3	3	3	catalytic activity	lasm; Golgi; membrane	is; response to stimulus	PI02485	0,927	0,219	3	12,6	455	52,8	7,81
357197131	ran-binding protein 3 isoform 3 [Mus musculus]	70,83	2,28	1	1	1	1	protein binding	cytoplasm; nucleus	transport	PI00638	0,927	0,219	1	438	46,8	4,87	
122939196	cathepsin light chain A isoform d [Mus musculus]	135,80	23,61	5	8	8	18	in binding; protein binding	cytoplasm; Golgi; membrane	transport	PI01086	0,927	0,219	14	5,0	216	23,5	4,50
7304971	COP9 signalsome complex subunit 5 isoform 1 [Mus musculus]	168,14	18,86	2	5	5	8	in binding; protein binding	cytoplasm; nucleus	ie to stimulus; transport	PI01398	0,927	0,219	8	9,7	334	37,5	6,54
85702366	ankyrin repeat and FYVE domain-containing protein 1 [Mus musculus]	44,63	4,53	1	4	4	4	in binding; protein binding	cytoplasm; membrane; vacuole	transport	PI00023; PI00651; PI01	0,927	0,219	4	11,1	1169	128,6	5,91
295789090	N-alpha-acetyltransferase 10 isoform 2 [Mus musculus]	129,02	12,44	3	3	3	6	activity; protein binding	cytosol; organelle lumen	metabolic process	PI00583; PI08445	0,928	0,222	4	3,1	225	24,8	6,61
7990041	ubiquitin-conjugating enzyme E2 A [Mus musculus]	33,87	6,58	1	1	1	1	in binding; protein binding	cytosol; organelle lumen	in; response to stimulus	PI00179	0,928	0,222	1	152	17,3	5,15	
70909306	origin recognition complex subunit 2 isoform B [Mus musculus]	0,00	1,33	2	1	1	1	DNA binding	cytosol; organelle lumen	metabolic process	PI04084	0,928	0,222	1	528	60,4	6,64	
9506945	polyadenylate-binding protein 2 [Mus musculus]	70,52	9,27	1	2	3	3	in binding; RNA binding	cytoplasm; nucleus	ibolic process; transport	PI00076	0,928	0,222	2	14,3	302	32,3	5,17
6755204	proteasome subunit beta-type-5 [Mus musculus]	221,05	34,09	1	10	10	12	catalytic activity	cytosol; nucleus; proteasome	is; response to stimulus	PI00227	0,928	0,222	11	7,0	264	28,5	7,02
51093840	eukaryotic translation initiation factor 3 subunit L [Mus musculus]	146,11	13,30	1	6	6	10	in binding; RNA binding	cytosol; organelle lumen	ion of biological process	PI01055	0,928	0,222	7	4,2	564	66,6	6,44
257471036	E3 ubiquitin-protein ligase RNF14 isoform B [Mus musculus]	77,59	9,19	2	3	3	3	in binding; protein binding	cytoplasm; nucleus	is; response to stimulus	PI01485	0,928	0,222	3	3,5	359	40,7	4,79
13384756	eukaryotic translation elongation factor 1 epsilon-1 [Mus musculus]	54,30	14,94	1	3	3	3	in binding; RNA binding	cytoplasm; nucleus	is; response to stimulus	PI00043	0,928	0,222	3	1,0	174	19,8	8,59
33239421	ubiquitin-associated protein 2-like isoform 1 [Mus musculus]	198,09	6,06	6	6	6	6	RNA binding	cytosol; organelle lumen	reproduction	PI12478	0,928	0,222	6	5,0	1105	116,8	6,54
27369836	la-related protein 4B [Mus musculus]	104,55	7,83	1	6	6	7	RNA binding	cytosol; organelle lumen	ion of biological process	PI05383	0,928	0,222	7	5,9	741	81,6	7,49
256665238	cytosolic purine 5'-nucleotidase isoform 3 [Mus musculus]	161,83	10,00	3	5	5	8	in binding; nucleotide binding	cytoplasm	metabolic process	PI05761	0,928	0,222	8	6,5	560	64,8	6,21
226494598	WD repeat-containing protein 7 [Mus musculus]	0,00	0,60	1	1	1	1	protein binding	cytoplasm	reproduction; development	PI00400	0,928	0,222	1	1489	163,3	6,90	
72384374	nucleolar RNA helicase 2 [Mus musculus]	45,55	4,58	1	4	4	4	in binding; RNA binding	cytosol; organelle lumen	is; response to stimulus	PI00270; PI00271; PI08	0,928	0,222	4	12,1	851	93,5	9,11
6678131	spermidine synthase [Mus musculus]	110,43	21,19	1	6	6	10	activity; protein binding	cytoplasm	metabolic process	PI01564	0,928	0,222	9	11,1	302	34,0	5,50
76677895	poly(U)-binding-splicing factor PUF60 isoform b [Mus musculus]	149,25	18,46	3	10	10	15	in binding; RNA binding	cytosol; nucleus	ion of biological process	PI00076	0,928	0,222	15	11,5	547	58,5	5,35
19527156	N-alpha-acetyltransferase 3B, N-acetyl auxiliary subunit [Mus musculus]	41,67	7,29	1	1	1	1	RNA binding	cytosol; spliceosomal complex	metabolic process	PI01423	0,929	0,225	1	96	10,4	4,48	
28892785	aldose 1-epimerase [Mus musculus]	204,86	10,82	1	3	3	9	activity; protein binding	cytoplasm; extracellular	metabolic process	PI01263	0,929	0,225	9	6,0	342	37,8	6,74
16033605	X-ray repair cross-complementing protein 5 [Mus musculus]	77,80	4,23	1	3	3	4	in binding; RNA binding	cytosol; organelle lumen	is; response to stimulus	PI02735; PI03730; PI03	0,929	0,225	4	1,2	732	83,0	5,16
254692911	SEC23-interacting protein [Mus musculus]	97,68	4,41	1	5	5	6	in binding; RNA binding	cytosol; organelle lumen	is; response to stimulus	PI00536; PI02862; PI07	0,929	0,225	6	5,4	998	110,7	5,72
194018533	eukaryotic peptide chain release factor GTP-binding subunit ERF3 [Mus musculus]	271,29	18,43	2	4	13	19	in binding; RNA binding	cytoplasm; membrane	genesis; metabolic process	PI00009; PI03143; PI03	0,929	0,225	5	3,1	635	68,5	5,21
124359948	tetratricopeptide repeat protein 5 isoform a [Mus musculus]	78,47	11,36	2	5	5	6	in binding; protein binding	cytoplasm; nucleus	is; response to stimulus	PI00009; PI03143; PI03	0,929	0,225	6	10,2	440	48,8	6,29
134053919	leucine zipper protein 2 precursor [Mus musculus]	0,00	2,03	1	1	1	1	protein binding	extracellular		PI00009; PI03143; PI03	0,929	0,225	1	345	39,0	8,50	
162329570	caprin-1 isoform c [Mus musculus]	166,92	6,07	3	4	4	5	RNA binding	cytoplasm; membrane	ion of biological process	PI12287	0,929	0,225	5	5,9	692	76,6	5,12
21704144	S-adenosylmethionine synthase isoform type-2 [Mus musculus]	195,46	28,86	1	10	11	15	in binding; nucleotide binding	cytoplasm; cytosol	is; response to stimulus	PI00438; PI02772; PI02	0,929	0,225	11	3,8	295	43,7	6,48
157266281	trafficking protein particle complex subunit 5 [Mus musculus]	38,77	4,26	1	1	1	1	protein binding	plasmic reticulum; Golgi	transport	PI04051	0,929	0,225	1	188	20,8	9,46	
258547119	cytoplasmic FMR1-interacting protein 1 isoform b [Mus musculus]	0,00	0,88	3	1	1	1	in binding; protein binding	cytoplasm; extracellular	is; response to stimulus	PI05994; PI07159	0,929	0,225	1	1251	144,8	6,95	
6755594	116 kDa U5 small nuclear ribonucleoprotein component isoform a [Mus musculus]	225,43	13,70	2	13	14	16	in binding; RNA binding	cytosol; spliceosomal complex	metabolic process	PI00009; PI00679; PI03	0,929	0,225	14	11,4	971	109,3	5,00
55769576	mad-like protein isoform 1 [Mus musculus]	59,15	1,96	5	4	4	4	protein binding	extracellular; membrane		PI00595; PI09045	0,929	0,225	4	5,3	1834	198,4	4,97
30519939	protein canopy homolog 4 precursor [Mus musculus]	225,31	19,18	1	5	5	12	protein binding	cytoplasm; extracellular	ion of biological process	PI11938	0,929	0,225	12	6,8	245	28,1	4,77
39930413	nuclear pore complex protein Nup98-Nup96 [Mus musculus]	133,83	8,93	1	8	8	12	in binding; protein binding	cytosol; organelle lumen	is; response to stimulus	PI04096	0,929	0,225	12	8,2	1187	124,7	6,39
31982437	sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating [Mus musculus]	0,00	1,93	1	1	1	1	vity; nucleotide binding	cytosol; organelle lumen	is; response to stimulus	PI01073; PI01370; PI02	0,929	0,225	1	362	40,7	7,85	
21704220	charged multivesicular body protein 1a [Mus musculus]	112,18	16,33	1	4	4	5	in binding; protein binding	cytosol; organelle lumen	is; response to stimulus	PI03357	0,929	0,225	5	6,5	196	21,6	8,06
31560022	glycogen [starch] synthase, muscle [Mus musculus]	175,34	9,89	1	9	9	12	activity; protein binding	cytoplasm; nucleus	ent; metabolic process	PI00534; PI05693	0,929	0,225	12	9,0	738	83,9	6,11
31542366	cyclin-dependent kinase 1 [Mus musculus]	206,83	28,28	42	7	8	12	in binding; protein binding	cytosol; organelle lumen	ie to stimulus; transport</								

162287089	chromosome-associated kinesin KIF4 [Mus musculus]	245,84	9,10	4	12	12	12	binding: protein binding	cytosol; nucleus; cytoskeleton; metabolic process	P100225; P105033; P106	0,931	0,232	11	6,1	1231	139,4	6,68
13384718	ubiquitin-conjugating enzyme E2 D3 [Mus musculus]	408,44	19,73	2	3	4	23	binding: protein binding	endosome; membrane; response to stimulus	P100179	0,931	0,232	8	5,6	147	16,7	7,80
84370282	syntaphin-binding protein 6 [Mus musculus]	25,30	4,29	1	1	1	1	cytoplasm; membrane	transport	P100957	0,931	0,232	1	210	23,7	9,19	
27229051	adaptin ear-binding coat-associated protein 1 [Mus musculus]	0,00	3,27	1	1	1	1	protein binding	cytoplasm; membrane	P107933	0,931	0,232	1	275	29,6	6,38	
213688406	dynein light chain 1, cytoplasmic [Mus musculus]	162,02	32,58	2	3	5	13	activity: protein binding	mitochondrion; nucleus; cytoskeleton; metabolic process; transport	P101221	0,931	0,232	6	3,5	89	10,4	7,40
88853570	probable E3 ubiquitin-protein ligase makorin-2 [Mus musculus]	38,02	4,81	1	2	2	2	in binding: RNA binding	metabolic process		0,931	0,232	2	2,0	416	46,6	7,34
254910981	WD repeat-containing protein 73 [Mus musculus]	0,00	1,89	1	1	1	1	protein binding			0,931	0,232	1		371	40,8	5,54
21704010	TIP41-like protein [Mus musculus]	55,50	15,87	1	4	4	4	cytoplasm; response to stimulus		P104176	0,931	0,232	4	9,2	271	31,2	5,63
23956138	ribosome maturation protein SBDS [Mus musculus]	89,01	20,80	1	5	5	5	in binding: RNA binding	nucleus; organelle lumen; response to stimulus	P101172; P109377	0,931	0,232	5	14,2	250	28,8	8,76
359718922	pre-mRNA-processing factor 19 isoform 3 [Mus musculus]	78,07	12,89	3	5	5	8	binding: protein binding	spliceosomal complex; response to stimulus	P100400; P108606	0,931	0,232	8	11,9	419	45,8	7,06
116686126	F-box only protein 7 [Mus musculus]	82,11	6,12	1	3	3	4	protein binding	mitochondrion; nucleus; cytoskeleton; metabolic process; transport	P100646; P11566; P112	0,931	0,232	4	4,7	523	57,6	5,83
139948568	synaptosomal-associated protein 29 [Mus musculus]	39,91	3,46	1	1	1	1	protein binding	on: membrane; nucleus; response to stimulus; transport	P105739	0,931	0,232	1		260	29,6	5,38
158517895	tetrapeptide repeat protein 38 [Mus musculus]	154,66	15,70	1	6	6	6	protein binding			0,931	0,232	6	8,2	465	52,2	6,30
258645100	secretogranin-3 isoform 2 precursor [Mus musculus]	97,42	4,51	3	3	3	4	RNA binding	extracellular; membrane		0,932	0,235	4	4,8	466	52,8	4,91
110625994	coagulation factor X isoform 2 preproprotein [Mus musculus]	58,06	4,99	2	3	3	3	binding: protein binding	extracellular; membrane; response to stimulus	P100008; P100089; P100	0,932	0,235	3	2,4	481	54,0	5,66
31982546	DNA replication factor Cdt1 [Mus musculus]	65,96	11,67	1	6	6	6	binding: protein binding	nucleus; ion of biological process	P108839	0,932	0,235	6	10,8	557	61,5	9,57
126158899	DNA (cytosine-5)-methyltransferase 3-like isoform 2 [Mus musculus]	0,00	1,43	1	1	1	1	binding: protein binding	nucleus; organelle lumen; ion of biological process		0,932	0,235	1		421	48,0	6,15
18875380	related C3 botulinum toxin substrate 3 precursor [Mus musculus]	160,60	30,21	3	1	6	10	binding: protein binding	cytoskeleton; membrane; response to stimulus	P100025; P100071; P108	0,932	0,235	1		192	21,4	8,15
15808988	eukaryotic translation initiation factor 4H [Mus musculus]	121,96	27,02	1	8	8	9	binding: RNA binding	cytoplasm; cytoskeleton; reproduction	P100076	0,932	0,235	9	10,1	248	27,3	7,23
20127150	Golgin subfamily A member 4 [Mus musculus]	211,95	5,23	1	11	11	11	protein binding	lgi; membrane; nucleus; cytoskeleton; metabolic process; transport	P101465; P105262; P110	0,932	0,235	11	9,3	2338	257,4	5,36
39930335	ATP-binding cassette sub-family F member 1 [Mus musculus]	88,13	6,21	1	5	5	6	lation regulator activity	janelle lumen; ribosome; ion of biological process	P100005	0,932	0,235	6	14,0	837	94,9	6,51
40254521	MOB-like protein phocin [Mus musculus]	97,05	12,44	1	2	2	3	binding: protein binding	tosol; Golgi; membrane	P103637	0,932	0,235	3	20,7	225	26,0	5,78
170650659	tubulin-folding cofactor B [Mus musculus]	142,37	26,23	1	6	6	8	protein binding	cytoskeleton; nucleus; cytoskeleton; development	P101302	0,932	0,235	8	5,7	244	27,4	5,24
145699101	collagen alpha-3(IV) chain precursor [Mus musculus]	0,00	0,60	1	1	1	1	ctural molecule activity	extracellular; response to stimulus	P101413	0,932	0,235	1		1669	161,6	9,48
254675244	plectin isoform 1 [Mus musculus]	167,07	3,14	12	12	15	16	ctural molecule activity	extracellular; membrane; response to stimulus	P100681; P103	0,932	0,239	13	11,9	4686	533,2	5,95
13384730	SAP domain-containing ribonucleoprotein [Mus musculus]	64,36	13,81	1	2	2	2	in binding: RNA binding	nucleus; organelle lumen; cytoskeleton; metabolic process; transport	P102037	0,933	0,239	2	30,0	210	23,5	6,65
6756039	14-3-3 protein theta [Mus musculus]	865,00	49,39	2	11	17	70	activity: protein binding	extracellular; membrane; response to stimulus; transport	P100244	0,933	0,239	25	16,9	245	27,8	4,78
291327528	poly(rC)-binding protein 2 isoform 4 [Mus musculus]	459,17	28,26	6	3	8	20	in binding: RNA binding	cytoplasm; nucleus; response to stimulus	P100013	0,933	0,239	6	2,6	322	33,9	8,24
255003777	glyoxalase domain-containing protein 4 [Mus musculus]	167,73	28,52	1	7	7	9	toplasm; mitochondrion		P100903; P112681	0,933	0,239	9	14,0	298	33,3	5,47
114145561	keratin, type II cytoskeletal 8 [Mus musculus]	269,72	28,57	11	8	15	29	ctural molecule activity	nucleus; organelle lumen; response to stimulus	P100038; P101576; P109	0,933	0,239	9	103,7	490	54,5	5,82
6753540	casein kinase II subunit alpha [Mus musculus]	42,61	12,00	1	3	3	3	binding: protein binding	nucleus; response to stimulus	P100069; P101636; P107	0,934	0,242	3	29,5	350	41,2	8,56
46559406	serine/threonine-protein kinase PAK 2 [Mus musculus]	67,07	3,63	1	1	2	3	binding: protein binding	sm; membrane; nucleus; response to stimulus	P100069; P100786; P107	0,934	0,242	2	0,0	524	57,9	5,77
148277591	synenin-1 isoform 2 [Mus musculus]	20,47	2,35	2	1	1	1	protein binding	extracellular; membrane; response to stimulus	P100595	0,934	0,242	1		298	32,2	7,15
113680352	carbonyl reductase [NADPH] 1 [Mus musculus]	191,58	26,71	3	8	8	12	lity: nucleotide binding	ar; membrane; nucleus; metabolic process	P100106; P101370; P108	0,934	0,242	12	9,1	277	30,6	8,31
256773299	phosphoribosyl pyrophosphate synthase-associated protein 2 isoform 1 [Mus musculus]	32,20	4,95	3	1	1	1	lity: metal ion binding	nent; metabolic process		0,934	0,242	1		283	31,3	6,93
146231996	E3 ubiquitin-protein ligase HUWE1 [Mus musculus]	91,40	2,26	1	9	9	12	in binding: RNA binding	n; extracellular; nucleus; response to stimulus	P100632; P102825; P106	0,934	0,242	12	5,5	4378	482,4	5,22
13384692	pre-mRNA branch site protein p14 [Mus musculus]	68,47	20,80	1	2	2	2	in binding: RNA binding	nucleus; spliceosomal complex; metabolic process	P100076	0,934	0,242	2	29,5	125	14,6	9,38
52317152	phospholipase A2, group IVC isoform 2 [Mus musculus]	2066,67	40,87	2	34	34	154	catalytic activity	nucleus; organelle lumen; metabolic process	P101735	0,934	0,242	143		597	67,8	6,00
19527372	proteasome assembly chaperone 2 [Mus musculus]	47,20	6,82	1	2	2	3	nucleus; ion of biological process		P100754	0,934	0,242	2	7,0	264	29,5	6,05
22122457	mitochondrial Rho GTPase 2 [Mus musculus]	96,10	11,77	1	5	6	8	ing: nucleotide binding	mbane; mitochondrion; response to stimulus; transport	P100071; P108355; P108	0,934	0,242	5	25,3	620	69,0	6,00
45592930	serine/threonine-protein phosphatase 2B catalytic subunit beta isoform 1 [Mus musculus]	0,00	1,52	1	1	1	1	binding: protein binding	sm; cytosol; membrane; response to stimulus; transport	P100149	0,934	0,242	1		525	59,1	5,91
244791124	dipeptidyl peptidase 3 [Mus musculus]	62,89	2,85	1	3	3	3	lity: metal ion binding	ar; membrane; nucleus; metabolic process	P103571	0,935	0,246	3	0,2	738	82,8	5,38
21703808	protein arginine N-methyltransferase 7 [Mus musculus]	46,23	6,65	1	4	4	4	activity: protein binding	nucleus; organelle lumen; cytoskeleton; metabolic process; reproduction	P106325	0,935	0,246	4	16,5	692	78,3	5,74
117647263	transmembrane protein 70, mitochondrial isoform 1 [Mus musculus]	0,00	2,77	2	1	1	1	mbane; mitochondrion	ization and biogenesis	P106979	0,935	0,246	1		253	28,3	7,47
29789050	ATP-binding cassette sub-family F member 3 [Mus musculus]	237,80	11,99	1	7	7	9	inding: protein binding	is; response to stimulus	P100005; P112848	0,935	0,246	8	7,0	709	79,8	6,16
326937469	zinc finger FYVE domain-containing protein 21 [Mus musculus]	69,71	4,70	1	1	1	1	metal ion binding	cytoplasm; endosome	P101363	0,935	0,246	1		234	26,0	8,34
31982032	39S ribosomal protein L21, mitochondrial [Mus musculus]	0,00	3,70	1	1	1	1	ctural molecule activity	mitochondrion; ribosome; metabolic process	P100829	0,935	0,246	1		216	24,0	9,48
103472017	myotubularin-related protein 7 [Mus musculus]	40,51	5,15	1	3	3	3	gnal transducer activity	sm; cytosol; membrane; metabolic process	P106602	0,935	0,246	3	6,5	660	75,6	6,43
170671724	UV radiation resistance associated [Mus musculus]	42,15	3,58	1	3	3	4	protein binding	sm; endosome; vacuole; cytoskeleton; metabolic process; transport	P110186	0,935	0,246	4	5,6	698	77,5	7,97
30352008	colled-coil domain-containing protein 104 [Mus musculus]	33,28	4,37	1	2	2	2	protein binding		P111527	0,935	0,246	2	2,7	343	39,6	4,93
84579909	mitogen-activated protein kinase 1 [Mus musculus]	153,86	25,70	10	6	9	9	gnal transducer activity	nucleus; organelle lumen; response to stimulus; transport	P100069; P101636; P107	0,935	0,246	6	13,0	358	41,2	6,98
126722910	sorting nexin-27 isoform 2 [Mus musculus]	0,00	1,90	2	1	1	1	protein binding	ne; membrane; nucleus; response to stimulus; transport	P100595; P100787; P100	0,935	0,246	1		526	59,5	6,24
13384620	heterogeneous nuclear ribonucleoprotein K [Mus musculus]	289,79	22,68	1	10	11	16	in binding: RNA binding	n; spliceosomal complex; response to stimulus; transport	P100013; P108067	0,935	0,246	14	5,5	463	50,9	5,54
226958239	G patch domain-containing protein 8 [Mus musculus]	0,00	0,73	1	1	1	1	in binding: RNA binding		P112171	0,936	0,249	1		1505	164,9	7,64
253314464	conserved oligomeric Golgi complex subunit 5 [Mus musculus]	0,00	1,21	1	1	1	1	transporter activity	lgi; membrane; nucleus; transport	P105992; P108700; P110	0,936	0,249	1		829	91,3	6,27
158966670	annexin A6 isoform b [Mus musculus]	647,99	34,03	3	23	23	41	ing: transporter activity	lar; membrane; vacuole; cytoskeleton; metabolic process; transport	P100191; P102181	0,936	0,249	40	14,5	667	75,2	5,55
21313640	AP-2 complex subunit beta isoform b [Mus musculus]	304,48	15,26	2	4	17	25	ing: transporter activity	lasm; Golgi; membrane; cytoskeleton; biogenesis; transport	P101602; P102883; P109	0,936	0,249	6	6,8	937	104,5	5,38
124486835	protein PRRC2C [Mus musculus]	145,14	2,60	3	7	7	8	in binding: RNA binding	mentation; development	P107001	0,936	0,249	8	5,8	2846	310,7	9,10
66392160	vacuolar protein sorting-associated protein 13A [Mus musculus]	55,36	0,73	1	2	2	2	cytoplasm; response to stimulus; transport		P106650; P112624	0,936	0,249	2	3,0	3166	359,2	6,19
84781808	RING finger protein 141 [Mus musculus]	110,43	13,91	1	3	3	3	binding: protein binding	ion of biological process	P100097; P112678	0,936	0,249	3	0,2	230	25,5	5,20
145966915	filamin-B [Mus musculus]	1710,43	27,90	1	57	63	86	in binding: RNA binding	extracellular; membrane; development	P100307; P10630	0,936	0,249	77	10,9	2591	276,4	5,69
295389521	condensin complex subunit 2 [Mus musculus]	93,43	6,16	1	4	4	4	n; cytoskeleton; nucleus	osis; metabolic process	P105786	0,936	0,249	4	2,9	731	82,3	4,96
6679685	enhancer of rudimentary homolog [Mus musculus]	87,60	34,62	2	4	8	8	RNA binding	membrane	P101133	0,936	0,249	7	11,3	104	12,3	5,92
112363072	actin-related protein 2/3 complex subunit 2 [Mus musculus]	105,17	15,00	1	4	4	4	protein binding	llular; Golgi; membrane; ion of biological process	P104045	0,936	0,249	4	10,7	300	34,3	7,36
31981588	V-type proton ATPase subunit H [Mus musculus]	89,55	5,80	1	2	2	4	lity: transporter activity	ar; membrane; vacuole; transport	P103224; P111698	0,936	0,249	4	4,5	483	55,8	6,61
12963867	N-terminal kinase-like protein [Mus musculus]	56,07	2,23	1	2	2	2	binding: protein binding	leton; Golgi; membrane; metabolic process; transport	P100069; P107714	0,936	0,249	2	8,5	806	89,1	6,44
51491852	methionine--tRNA ligase, cytoplasmic isoform 2 [Mus musculus]	57,81	3,66	2	3	3	3	le binding: RNA binding	nucleus; organelle lumen; metabolic process	P100043; P101333; P100	0,937	0,253	3	5,9	902	101,4	7,14
158966667	rab3 GTPase-activating protein catalytic subunit [Mus musculus]	567,50	29,15	1	27	27	44	activity: protein binding	n; extracellular; nucleus; ion of biological process		0,937	0,253	44	7,3	981	110,1	5,73
133862716	RNA polymerase II-associated protein 3 [Mus musculus]	64,39	5,76	1	4	4	4	protein binding		P107719	0,937	0,253	4	3,4	660	74,1	7,99
21312706	prolyl-4-hydroxylase associated domain-containing protein 1 isoform 1 [Mus musculus]	0,00	5,92	1	1	1	1	c									

77736535	syntaxin-18 [Mus musculus]	43.12	2.40	1	1	1	1	1	protein binding	lumen; Golgi; membrane	transport	PF10496	0.938	0.256	1		334	38.4	5.77
40549395	ankyrin repeat domain-containing protein 17 isoform b [Mus musculus]	66.58	2.64	3	6	6	6	6	in binding: RNA binding	cytoplasm; nucleus	ion of biological process	PF00013; PF00023; PF12	0.938	0.256	6	1.6	2352	246.5	6.70
112293273	DNA replication licensing factor MCM5 [Mus musculus]	119.21	11.72	1	7	7	7	7	ling: nucleotide binding	nucleus	ion; metabolic process	PF00493; PF07728	0.938	0.256	7	5.2	734	82.4	8.29
407262730	PREDICTED: uncharacterized protein LOC101056395 [Mus musculus]	0.00	2.52	1	1	1	1	1					0.938	0.256	1		278	31.5	8.03
87196334	transcription elongation regulator 1 [Mus musculus]	79.75	2.82	1	3	3	3	3	in binding: RNA binding	nucleus; organelle	lumen; ion of biological process	PF00397; PF01846; PF02	0.938	0.256	3	0.3	1100	123.7	8.65
33859482	elongation factor 2 [Mus musculus]	891.24	31.59	1	28	29	29	29	lation regulator activity	n; extracellular; nucleus	ion of biological process	PF00009; PF00679; PF03	0.938	0.256	67	7.1	858	95.3	6.83
66932952	ATP-binding cassette sub-family B member 9 [Mus musculus]	32.86	3.54	1	2	2	2	2	ing: transporter activity	m; membrane; vacuole	ie to stimulus; transport	PF00005; PF00664; PF02	0.938	0.256	2	4.3	762	83.9	7.62
23956176	suppressor of G2 allele of SKP1 homolog [Mus musculus]	704.37	59.23	1	21	21	49	49	protein binding	cytoplasm; nucleus		PF00515; PF04969; PF05	0.938	0.256	48	8.9	336	38.1	5.45
13752573	regulator complex protein LAMTOR2 [Mus musculus]	54.28	15.20	1	2	2	5	5	ctural molecule activity	ne; membrane; vacuole	is; response to stimulus	PF03259	0.938	0.256	5	7.1	125	13.5	5.40
6681225	developmentally-regulated GTP-binding protein 1 [Mus musculus]	88.71	10.35	1	3	3	3	3	ing: transporter activity	on; membrane; nucleus	transport	PF00009; PF01926; PF02	0.939	0.260	3	3.5	367	40.5	8.90
269973915	gephyrin isoform 2 [Mus musculus]	32.41	3.38	2	3	3	3	3	ctural molecule activity	ytoskeleton; membrane	ment; metabolic process	PF00994; PF03453; PF03	0.939	0.260	3	3.4	769	83.2	5.60
242332572	ras GTPase-activating-like protein IQGAP1 [Mus musculus]	540.38	14.85	2	24	24	29	29	activity: protein binding	lar; membrane; nucleus	is; response to stimulus	PF00307; PF00616; PF03	0.939	0.260	28	9.0	1657	188.6	6.48
229576983	pleckstrin homology domain containing, family G (with RhoGef domain)	30.11	1.15	1	1	2	2	2			is; response to stimulus	PF06621	0.939	0.260	1	1390	155.8	6.40	
87044901	tubulin-specific chaperone C [Mus musculus]	162.46	16.72	1	5	5	7	7	catalytic activity	cytoplasm	esis; metabolic process	PF07986	0.939	0.260	7	4.3	341	38.1	5.30
38372907	ATP-dependent RNA helicase DDX39A [Mus musculus]	109.98	12.65	1	3	6	8	8	le binding: RNA binding	cytoplasm; nucleus	ibolic process; transport	PF00270; PF00271	0.939	0.260	4	25.0	427	49.0	5.68
79748053	nuclear receptor-binding factor 2 [Mus musculus]	51.21	2.44	1	1	1	1	1	protein binding	cytoplasm; nucleus	ion of biological process	PF04212; PF08961	0.939	0.260	1	287	32.5	5.76	
22164768	coiled-coil domain-containing protein 25 [Mus musculus]	37.31	6.25	1	1	1	1	1				PF05670	0.939	0.260	1	208	24.5	6.95	
171460946	protein MTO1 homolog, mitochondrial precursor [Mus musculus]	57.98	4.33	1	2	2	2	2	le binding: RNA binding	toplasm; mitochondrion	esis; metabolic process	PF01134	0.939	0.260	2	3.2	669	74.3	8.92
12584982	probable folate receptor delta isoform 1 precursor [Mus musculus]	55.72	12.70	2	3	3	3	3	lity: transporter activity	xtracellular; membrane	reproduction; transport	PF03024	0.939	0.260	3	2.3	244	28.2	6.11
159110787	enconsin isoform 1 [Mus musculus]	24.04	0.82	2	1	1	1	1	protein binding	ytoskeleton; membrane	n; response to stimulus		0.939	0.260	1		730	81.9	9.36
86198335	bis(S'-nucleosyl)-tetraphosphate [asymmetrical] [Mus musculus]	47.72	21.09	1	3	3	3	3	lity: nucleotide binding	toplasm; mitochondrion	ath; metabolic process	PF00293	0.939	0.260	3	5.0	147	17.0	6.28
13385576	UPF0235 protein C15orf40 homolog [Mus musculus]	55.99	10.32	1	1	1	1	1				PF02594	0.940	0.263	1		126	13.2	9.16
124248556	F-box and WD-40 domain protein 9 [Mus musculus]	35.43	3.49	1	2	2	2	2	protein binding			PF00400	0.940	0.263	2	1.8	458	50.5	6.90
45504359	V-type proton ATPase subunit E 1 [Mus musculus]	92.56	26.55	2	7	7	9	9	ing: transporter activity	mitochondrion; vacuole	ibolic process; transport	PF01991	0.940	0.263	9	10.0	226	26.1	8.43
157838001	ATP-dependent RNA helicase DDX42 [Mus musculus]	48.94	4.31	1	4	4	4	4	le binding: RNA binding	ucleus; organelle	lumen; metabolic process	PF00270; PF00271	0.940	0.263	4	12.9	929	101.9	6.98
124358940	TBC1 domain family member 9B [Mus musculus]	36.54	2.01	1	3	3	3	3	livity: metal ion binding	membrane	ion of biological process	PF00566; PF02893	0.940	0.263	3	5.4	1246	139.8	5.35
149260287	PREDICTED: GTP-binding nuclear protein Ran-like [Mus musculus]	533.32	33.33	3	11	11	27	27	in binding: RNA binding	ie; extracellular; nucleus	ie to stimulus; transport	PF00025; PF00771; PF01	0.940	0.263	27	16.0	216	24.4	7.49
33859650	extended synaptotagmin-1 [Mus musculus]	131.48	9.34	1	10	10	11	11	protein binding	membrane		PF00168	0.940	0.263	11	4.0	1092	121.5	5.95
21703810	ubiquitin-like protein 4A [Mus musculus]	53.48	22.29	1	4	4	4	4	protein binding	sm; cytosol; membrane	id biogenesis; transport	PF00240; PF11976	0.940	0.263	4	4.3	157	17.8	8.44
31981458	glutaredoxin-1 [Mus musculus]	432.88	30.84	1	3	3	17	17	activity: protein binding	mitochondrion; nucleus	igical process; transport	PF00462	0.940	0.263	15	11.2	107	11.9	8.37
21704076	transcription initiation factor IIB [Mus musculus]	84.98	17.72	1	4	4	5	5	in binding: RNA binding	nucleus	ion of biological process	PF00382; PF08271	0.940	0.263	5	15.0	316	34.8	8.35
13385098	cancer-related nucleoside-triphosphatase homolog [Mus musculus]	59.03	4.74	1	1	1	1	1	le binding: RNA binding		is; response to stimulus	PF00910; PF01637; PF03	0.940	0.263	1		190	20.7	9.72
238550188	nuclear distribution protein nucle-1-like 1 [Mus musculus]	53.30	3.48	1	1	1	1	1	activity: protein binding	ucleus; organelle	lumen; ie to stimulus; transport	PF01442; PF04880; PF09	0.940	0.263	1		345	38.3	5.24
197333728	isochorismatase domain-containing protein 2A, mitochondrial precursor	48.84	9.22	1	2	2	3	3	catalytic activity	mitochondrion; nucleus	ion of biological process	PF00857	0.940	0.263	3	8.5	206	22.4	8.02
262263372	adenosylhomocysteinase [Mus musculus]	578.82	34.72	2	13	15	31	31	inding: protein binding	ie; extracellular; nucleus	is; response to stimulus	PF00670; PF02826; PF05	0.940	0.263	25	13.0	432	47.7	6.54
31982511	alcohol dehydrogenase class-3 [Mus musculus]	282.85	28.07	2	13	13	22	22	inding: protein binding	mitochondrion; nucleus	is; response to stimulus	PF00107; PF08240	0.940	0.263	22	20.8	374	39.5	7.25
13937355	S-formylglutathione hydrolase [Mus musculus]	139.45	15.60	2	4	4	7	7	catalytic activity	lgi; membrane; nucleus	metabolic process	PF00326; PF00756; PF05	0.940	0.263	7	10.2	282	31.3	7.12
65301143	RNA-binding motif protein, X-linked-like-2 [Mus musculus]	35.03	7.01	1	2	2	3	3	nucleotide binding	nucleus		PF00076	0.940	0.263	3	0.8	385	41.9	10.27
28461141	transcription initiation factor TFIID subunit 7 isoform 1 [Mus musculus]	39.19	13.20	1	4	4	6	6	inding: protein binding	ucleus; organelle	lumen; is; response to stimulus	PF04658	0.940	0.263	6	9.3	341	39.1	5.33
311893382	cytoplasmic dynein 1 intermediate chain 2 isoform 5 [Mus musculus]	40.92	1.14	5	1	1	1	1	activity: protein binding	cytoplasm; cytoskeleton	ibolic process; transport	PF11540	0.941	0.267	1		612	68.4	5.29
224922835	cytosin-A isoform b [Mus musculus]	127.63	9.21	2	9	9	10	10	activity: protein binding	cytoplasm; nucleus	ion of biological process	PF00038; PF00307; PF01	0.941	0.267	10	18.1	1118	124.4	5.76
7305443	60S ribosomal protein L7a [Mus musculus]	255.62	36.84	8	12	13	19	19	in binding: RNA binding	ie; nucleus; ribosome		PF01248	0.941	0.267	18	17.4	266	30.0	10.56
21312626	IST1 homolog [Mus musculus]	186.52	15.47	1	7	7	9	9	protein binding	n; cytosol; extracellular	ion of biological process	PF03398	0.941	0.267	9	6.6	362	39.4	5.44
283806541	metastasis-associated protein MTA3 isoform 4 [Mus musculus]	80.82	6.04	5	2	3	3	3	inding: protein binding	ucleus; organelle	lumen; ion of biological process	PF00320; PF01426; PF01	0.941	0.267	2	6.5	513	58.3	8.27
8393066	copper chaperone for superoxide dismutase [Mus musculus]	25.32	2.92	1	1	1	1	1	inding: protein binding	mitochondrion; nucleus	ie to stimulus; transport	PF00080; PF00403	0.941	0.267	1		274	28.9	6.10
145587092	afadin [Mus musculus]	339.46	11.32	1	19	19	24	24	protein binding	m; membrane; nucleus	is; response to stimulus	PF00498; PF00595; PF00	0.941	0.267	24	13.9	1820	206.4	6.32
239916005	thimet oligopeptidase [Mus musculus]	598.23	35.52	1	25	25	46	46	livity: metal ion binding	cytoplasm	is; response to stimulus	PF01432	0.941	0.267	43	11.8	687	78.0	5.99
124486927	kinesin-like protein KIF14 [Mus musculus]	115.55	6.34	10	10	10	10	10	inding: protein binding	mbrane; mitochondrion	is; response to stimulus	PF00225; PF00498; PF00	0.941	0.267	10	8.3	1624	180.8	7.58
124248575	ras GTPase-activating protein-binding protein 2 isoform b [Mus musculus]	58.33	11.58	2	5	6	9	9	le binding: RNA binding	cytoplasm	ie to stimulus; transport	PF00076; PF02136	0.941	0.267	8		449	50.8	5.43
56699423	E3 ubiquitin-protein ligase NEDD4 [Mus musculus]	0.00	0.68	1	1	1	1	1	activity: protein binding	tosol; Golgi; membrane	ie to stimulus; transport	PF00168; PF00397; PF00	0.941	0.267	1		887	102.6	5.26
75677414	src substrate cactin isoform 1 [Mus musculus]	267.88	22.16	2	11	11	11	11	protein binding	cytoplasm; cytoskeleton	ie to stimulus; transport	PF00018; PF02218; PF07	0.942	0.270	11	4.1	546	61.2	5.40
41350312	nascent polypeptide-associated complex subunit alpha isoform b [Mus musculus]	549.65	25.58	2	4	4	14	14	inding: protein binding	ie; extracellular; nucleus	ie to stimulus; transport	PF01849	0.942	0.270	14	6.0	215	23.4	4.56
21312189	iron-sulfur cluster assembly 1 homolog, mitochondrial precursor [Mus musculus]	36.98	17.05	1	2	2	3	3	ctural molecule activity	toplasm; mitochondrion	esis; metabolic process	PF01521	0.942	0.270	3	18.8	129	14.2	9.07
254553366	stAR-related lipid transfer protein 13 isoform 2 [Mus musculus]	45.78	3.23	2	3	3	3	3	activity: protein binding	mbrane; mitochondrion	is; response to stimulus	PF00620; PF01852; PF07	0.942	0.270	3	3.0	1113	125.0	7.53
13384768	ubiquitin-fold modifier-conjugating enzyme 1 [Mus musculus]	0.00	5.99	1	1	1	1	1	activity: protein binding	extracellular	is; response to stimulus	PF06494	0.942	0.270	1		167	19.5	7.40
262331533	centrosomal protein of 95 kDa isoform 2 [Mus musculus]	0.00	2.55	2	1	1	1	1	protein binding	cytoplasm; cytoskeleton		PF02463; PF12128	0.942	0.270	1		784	90.7	7.56
170295844	DNA repair protein XPC-H1 [Mus musculus]	88.38	4.75	1	3	3	3	3	DNA binding	nucleus	is; response to stimulus	PF00533; PF01834; PF12	0.943	0.274	3	1.9	631	68.9	6.33
298286543	28S ribosomal protein S36, mitochondrial isoform 2 [Mus musculus]	95.36	34.00	2	2	2	6	6		anelle lumen; ribosome			0.943	0.274	6	1.7	100	10.9	9.99
225543405	centromere protein J [Mus musculus]	52.95	4.91	1	5	5	5	5	ing: transporter activity	ar; membrane; nucleus	ie to stimulus; transport	PF00529; PF01025; PF01	0.943	0.274	5	14.2	1344	153.0	6.55
118582271	serine/arginine-rich splicing factor 1 isoform 2 [Mus musculus]	217.64	32.84	2	7	7	13	13	inding: RNA binding	ie; spliceosomal complex	ibolic process; transport	PF00076	0.943	0.274	13	6.6	201	22.3	7.94
62990166	structural maintenance of chromosomes protein 2 [Mus musculus]	195.63	11.00	1	13	13	14	14	inding: protein binding	ucleus; organelle	lumen; n; response to stimulus	PF01576; PF02463; PF05	0.943	0.274	14	12.5	1191	134.2	8.41
297747364	WD repeat-containing protein 53 [Mus musculus]	52.39	8.94	1	2	2	2	2	protein binding			PF00400	0.943	0.274	2	4.5	358	38.6	7.09
20070422	PRA1 family protein 2 [Mus musculus]	45.35	6.18	1	1	1	2	2		endosome; membrane		PF03208	0.943	0.274	2	12.3	178	19.5	9.60
269954677	glutamyl-tRNA synthetase isoform 1 [Mus musculus]	208.78	18.71	2	15	15	20	20	inding: RNA binding	cytoplasm	ion of biological process	PF00749; PF03950; PF04	0.943	0.274	20	8.6	775	87.6	7.31
117956381	proteasome activator complex subunit 4 [Mus musculus]	64.88	1.36	2	3	3	3	3	activity: protein binding	elle lumen; proteasome	n; response to stimulus	PF11919	0.943	0.274	3	7.3	1843	211.	

88759341	ring finger protein 113A2 [Mus musculus]	49.72	5.64	1	2	2	2	binding: protein binding	mitochondrion; nucleus	response to stimulus; transport	P100097; P100642; P11	0.944	0.277	2	6.0	337	38.0	6.46	
22094115	signal transducer and activator of transcription 3 isoform 3 [Mus musculus]	89.69	5.26	3	4	4	4	6; signal transducer activity	mitochondrion; nucleus	response to stimulus; transport	P100017; P101017; P102	0.944	0.277	6	11.4	722	83.1	7.12	
10946574	creatine kinase B-type [Mus musculus]	1393.59	49.61	2	16	16	85	binding: protein binding	cellular; mitochondrion	metabolic process	P100217; P102807	0.944	0.277	83	7.9	381	42.7	5.67	
10946800	syntrophin-6 [Mus musculus]	44.97	9.02	1	2	2	3	protein binding	Golgi; membrane	biogenesis; transport	P105739; P109177	0.944	0.277	3	3.6	255	29.0	4.92	
134053947	myc box-dependent-interacting protein 1 isoform 2 [Mus musculus]	29.07	5.24	2	2	2	2	protein binding	mitochondrion; nucleus	metabolic process; transport	P100018; P103114; P107	0.944	0.277	2	3.4	477	52.7	5.24	
117956377	Y-box-binding protein 2 [Mus musculus]	614.06	24.79	1	5	8	29	ation regulator activity	cytoplasm; nucleus	reproduction	P100313	0.944	0.277	15	10.5	359	38.1	10.76	
145966883	26S proteasome non-ATPase regulatory subunit 14 [Mus musculus]	53.19	9.68	1	4	4	5	binding: protein binding	nucleus; proteasome	response to stimulus	P101398	0.944	0.277	5	17.0	310	34.6	6.52	
114155125	RNA-binding protein 12 [Mus musculus]	65.91	1.41	1	1	1	1	binding: RNA binding	nucleus		P100076	0.944	0.277	1		992	102.7	8.32	
6753136	copper transport protein ATOX1 [Mus musculus]	65.34	38.24	1	2	2	3	ing: transporter activity	cytoplasm; nucleus	response to stimulus; transport	P100403	0.944	0.277	3	6.6	68	7.3	6.51	
170671742	ectoderm-neural cortex protein 2 [Mus musculus]	0.00	1.70	1	1	1	1	protein binding	cytoplasm; nucleus	biological process	P100651; P101344; P107	0.944	0.277	1		589	65.8	6.71	
114158701	nucleolar protein 14 [Mus musculus]	0.00	2.44	1	1	1	3	RNA binding	nucleus; organelle	metabolic process	P101417	0.944	0.277	1		860	98.7	7.59	
31543129	phosphatidate phosphatase LPIN2 isoform 2 [Mus musculus]	205.43	15.12	4	12	12	17	catalytic activity	membrane; nucleus	biological process	P104571; P108235; P108	0.944	0.277	17	13.4	893	99.6	5.47	
226246660	protein dpy-30 homolog A [Mus musculus]	34.00	11.11	1	2	2	2	protein binding	nucleus; organelle	metabolic process; transport	P105186	0.944	0.277	2	3.4	99	11.2	4.88	
23956156	protein LSM14 homolog A [Mus musculus]	107.94	11.69	1	5	6	9	A binding: RNA binding	cytoplasm	response to stimulus	P109532; P109542; P112	0.945	0.281	8	10.9	462	50.5	9.52	
198278417	testis-expressed sequence 30 protein [Mus musculus]	25.95	6.67	1	2	2	2				P112695; P112697	0.945	0.281	2	6.5	225	25.2	8.75	
124053443	activating molecule in BECN1-regulated autophagy protein 1 isoform 1 [Mus musculus]	0.00	2.07	2	2	2	2	protein binding	cytoplasm; nucleus	biological process	P100400	0.945	0.281	2	2.2	1209	133.0	6.83	
110625902	gamma-soluble NSF attachment protein [Mus musculus]	84.02	16.35	1	4	4	4	protein binding	mitochondrion; vacuole	transport		0.945	0.281	4	5.1	312	34.7	5.41	
19263324	methylome subunit p1Ch [Mus musculus]	0.00	4.98	1	1	1	2	RNA binding	membrane; nucleus	biological process; transport	P103517	0.945	0.281	2	4.8	241	26.5	4.12	
199559777	serine/threonine-protein phosphatase 5 [Mus musculus]	196.51	20.84	1	12	12	15	gnal transducer activity	ligand; membrane; nucleus	response to stimulus	P100149; P100515; P107	0.945	0.281	15	12.6	499	56.8	6.20	
6680237	hematological and neurological expressed 1 protein [Mus musculus]	98.50	21.43	1	2	2	4		nucleus			0.945	0.281	4	5.6	154	16.1	5.31	
7657067	ERO1-like protein alpha precursor [Mus musculus]	97.20	10.78	1	4	5	6	ility: nucleotide binding	reticulum; membrane	response to stimulus; transport	P104137	0.945	0.281	4	8.0	464	54.1	6.54	
119360354	NEDB8 ultimate buster 1 [Mus musculus]	143.35	13.52	1	8	9	11	protein binding	nucleus; organelle	metabolic process	P100627	0.945	0.281	10	13.9	614	70.3	5.88	
38348578	F-box and WD-40 domain protein 26 [Mus musculus]	572.24	22.53	1	7	11	41	protein binding	nucleus	response to stimulus	P100646; P112937	0.945	0.281	24	7.1	466	53.8	7.69	
269954711	tubulin-tyrosine ligase-like protein 12 [Mus musculus]	118.56	14.71	1	8	8	10	catalytic activity		metabolic process	P103133	0.945	0.281	9	2.9	639	74.0	5.63	
227430367	WD40 repeat-containing protein SMU1 [Mus musculus]	63.88	3.12	1	2	2	2	protein binding	cytoplasm; nucleus		P100400	0.945	0.281	2	12.8	513	57.5	7.18	
46559745	protein Hook homolog 3 [Mus musculus]	51.77	7.38	1	5	5	6	ing: transporter activity	Golgi; membrane	biological process; transport	P101496; P101576; P102	0.945	0.281	6	12.5	718	83.2	5.19	
31982171	murinoglobulin-1 precursor [Mus musculus]	62.91	2.91	2	3	4	4	zyme regulator activity	extracellular	reproduction	P100207; P101835; P107	0.945	0.281	3	5.6	1476	165.2	6.42	
6680193	histone deacetylase 1 [Mus musculus]	25.56	4.98	2	2	2	3	binding: protein binding	nucleus; organelle	metabolic process	P100850	0.945	0.281	3	17.3	482	55.0	5.48	
226874843	NF-kappa-B inhibitor zeta isoform B [Mus musculus]	0.00	3.97	2	2	2	2	protein binding	nucleus	response to stimulus	P100023; P112796	0.945	0.281	2	2.0	629	69.1	7.62	
85702119	F-box and WD-40 domain protein 18 [Mus musculus]	256.61	14.93	1	5	8	20	protein binding			P100646; P112937	0.945	0.281	11	11.5	469	54.1	8.00	
253314544	microtubule-associated protein RP/EB family member 2 isoform 3 [Mus musculus]	142.06	22.54	3	6	8	10	protein binding	cytoplasm; cytoskeleton	initiation and biogenesis	P103271	0.945	0.281	7	13.5	284	32.2	5.26	
158186674	serrate RNA effector molecule homolog isoform 3 [Mus musculus]	53.75	3.82	3	4	4	4	in binding: RNA binding	nucleus; organelle	metabolic process	P104959; P112066	0.945	0.281	4	5.7	864	99.4	5.92	
6678349	nucleolysin TIAR [Mus musculus]	93.61	4.85	1	2	2	2	in binding: RNA binding	cytoplasm; nucleus	biological process; reproduction	P100076	0.945	0.281	2	9.2	392	43.4	7.99	
160707945	splicing factor 1 isoform 2 [Mus musculus]	59.05	5.84	2	3	3	4	in binding: RNA binding	spliceosomal complex	reproduction	P100013	0.946	0.285	4	0.4	548	59.7	9.50	
30424882	E3 ubiquitin-protein ligase HECTD3 [Mus musculus]	0.00	1.86	1	1	1	1	activity: protein binding	nucleus	metabolic process	P100632; P103256	0.946	0.285	1	8.61	97.3	5.47		
154090941	keratin, type I cytoskeletal 42 [Mus musculus]	76.32	7.74	11	2	6	6	actual molecule activity	cytoplasm; cytoskeleton		P100038; P101576; P104	0.946	0.285	2	1.8	452	50.1	5.16	
309264292	PREDICTED: programmed cell death protein 5-like [Mus musculus]	195.47	54.76	1	7	7	17	DNA binding	extracellular; nucleus	biological process	P101984	0.946	0.285	17	11.7	126	14.3	5.68	
167234372	eukaryotic translation initiation factor 4B [Mus musculus]	213.96	14.24	1	10	10	19	binding: RNA binding	nucleus	metabolic process	P100076	0.946	0.285	19	9.1	611	68.8	5.67	
116235489	perilipin-2 [Mus musculus]	48.65	8.47	2	3	3	3	protein binding	sol; membrane; nucleus	response to stimulus; transport	P103036	0.946	0.285	3	3.9	425	46.6	6.87	
26080429	aldehyde dehydrogenase family 16 member A1 [Mus musculus]	136.50	9.48	1	6	6	6	catalytic activity		metabolic process	P100171; P107368	0.946	0.285	6	8.3	802	84.7	6.32	
219283237	modulator of apoptosis 1 [Mus musculus]	0.00	1.99	3	1	1	1	protein binding	mitochondrion; nucleus	response to stimulus; transport		0.946	0.285	1		352	39.4	6.13	
281332101	anterior gradient protein 3 homolog precursor [Mus musculus]	31.37	6.67	1	1	1	1	protein binding	extracellular			0.946	0.285	1		165	19.1	6.68	
93102417	glycine--tRNA ligase [Mus musculus]	115.85	11.39	1	8	8	12	binding: protein binding	mitochondrion; nucleus	metabolic process	P100458; P100587; P103	0.946	0.285	11	6.1	729	81.8	6.65	
126157504	serine/arginine repetitive matrix protein 2 [Mus musculus]	143.98	3.84	1	8	8	9	in binding: RNA binding	spliceosomal complex	metabolic process		0.946	0.285	9	8.5	2607	283.4	12.09	
297206826	rab11 family-interacting protein 1 isoform 2 [Mus musculus]	0.00	1.09	2	1	1	1	protein binding	endosome; membrane	transport	P100168; P109457	0.946	0.285	1		645	70.6	9.47	
255522964	protein PAT1 homolog 1 [Mus musculus]	45.96	1.69	1	1	1	1	ation regulator activity	nucleus; organelle	biological process	P109770	0.946	0.285	1		770	86.7	6.37	
33942089	ataxin-2-like protein [Mus musculus]	192.67	8.48	2	10	10	12	RNA binding	nucleus; organelle	biological process	P103153; P106741; P109	0.946	0.285	12	7.2	1049	110.6	8.85	
9790159	phosphatidylinositol transfer protein beta isoform [Mus musculus]	72.44	14.02	1	2	4	4	transporter activity	cytoplasm; Golgi	development; transport	P102121	0.946	0.285	2	20.2	271	31.5	6.95	
31712002	enhancer of mRNA-decapping protein 4 [Mus musculus]	167.93	8.92	1	11	11	12	protein binding	cytoplasm; nucleus		P100400	0.946	0.285	12	9.2	1390	150.6	5.68	
9055356	syntrophin-8 [Mus musculus]	89.33	13.98	1	3	3	3	protein binding	ne; membrane; vacuole	biogenesis; transport	P105739	0.947	0.288	3	2.7	236	26.9	5.01	
258679477	zinc finger FYVE domain-containing protein 19 isoform 2 [Mus musculus]	50.57	3.33	2	1	1	1	binding: protein binding			P101363	0.947	0.288	1		330	36.3	7.81	
407262061	PREDICTED: DNA repair protein XRC4 [Mus musculus]	68.48	8.92	2	3	3	4	binding: protein binding	cytosol; nucleus	response to stimulus	P106632	0.947	0.288	4	14.0	314	35.7	6.39	
407263609	PREDICTED: NACHT, LRR and PYD domains-containing protein 4A [Mus musculus]	92.17	25.57	1	5	6	6					0.947	0.288	5	5.5	219	24.4	7.94	
237820655	regulator complex protein LAMTOR5 [Mus musculus]	93.48	20.69	1	2	2	2	actual molecule activity	ne; membrane; vacuole	response to stimulus		0.947	0.288	5	9.8	145	15.3	6.67	
491222947	phenylalanine--tRNA ligase beta subunit [Mus musculus]	132.91	8.32	1	6	6	7	binding: RNA binding	cytoplasm	metabolic process	P103483; P103484	0.947	0.288	7	9.1	589	65.7	7.12	
31324571	CCR4-NOT transcription complex subunit 10 [Mus musculus]	54.45	3.36	1	2	2	2	protein binding	cytoplasm; nucleus	biological process		0.947	0.288	2	11.0	744	81.8	7.68	
7710012	thiomorpholine-carboxylate dehydrogenase [Mus musculus]	99.64	14.06	1	5	5	6	binding: protein binding	mitochondrion; nucleus	biological process; transport	P101488; P102423; P103	0.947	0.288	6	12.2	313	33.5	5.67	
6753320	T-complex protein 1 subunit gamma [Mus musculus]	737.12	40.92	1	20	21	46	in binding: RNA binding	extracellular; membrane	reproduction	P100118	0.947	0.288	39	11.6	545	60.6	6.70	
30520195	L-gulonolactone oxidase [Mus musculus]	0.00	1.59	1	1	1	1	ility: nucleotide binding	reticulum; membrane	metabolic process	P101565; P104030	0.947	0.288	1		440	50.4	8.24	
37059808	E3 ubiquitin-protein ligase Rnf220 [Mus musculus]	113.05	10.60	1	5	5	6	binding: protein binding	cytoplasm	metabolic process		0.947	0.288	6		1.7	566	62.7	6.04
126116585	keratin, type II cytoskeletal 1 [Mus musculus]	336.79	4.87	2	2	4	19	actual molecule activity	ar; membrane; nucleus	response to stimulus	P100038; P111853	0.947	0.288	10	7.1	637	65.6	8.15	
158533995	U6 snRNA-associated Sm-like protein LSM2 isoform 2 [Mus musculus]	0.00	27.37	2	2	2	5	in binding: RNA binding	spliceosomal complex	metabolic process	P101423	0.947	0.288	3	5.7	95	10.8	6.52	
33636709	serine/threonine-protein phosphatase 4 regulatory subunit 2 [Mus musculus]	43.58	2.40	1	1	1	1	activity: protein binding	cytoskeleton; nucleus	response to stimulus	P109184	0.947	0.288	1		417	46.4	4.56	
19527174	splicing factor 3B subunit 3 [Mus musculus]	147.79	7.31	1	9	9	9	protein binding	cytoskeleton; complex	metabolic process	P103178; P110433	0.948	0.292	9	4.4	1217	135.5	5.26	
22122593	HAUS augmin-like complex subunit 1 [Mus musculus]	44.24	2.88	1	1	1	1		cytoplasm; cytoskeleton	initiation and biogenesis		0.948	0.292	1		278	31.4	5.69	
52486843	transforming acidic coiled-coil-containing protein 2 isoform c [Mus musculus]	1101.80	19.76	5	46	46	69	activity: protein binding	nucleus; organelle	metabolic process; transport	P101576; P102463; P103	0.948	0.292	67	11.2	2879	305.0	4.79	
163310736	talin-2 [Mus musculus]	140.37	2.87	1	3	8	8	actual molecule activity	cytoskeleton; membrane	initiation and biogenesis	P100373; P101408; P102	0.948	0.292	3		12.1	2542	271.5	5.55
170784811	regulator of nonsense transcripts 1 isoform b [Mus musculus]	427.75	29.74	2	28	28	35	binding: RNA binding	spliceosomal complex	response to stimulus; transport	P100448; P104851; P109	0.948	0.292	34	10.4	1113	122.6	6.68	
258547148	dnaI homolog subfamily A member 1																		

27229101	redox-regulatory protein FAM213A [Mus musculus]	45,87	17,43	1		4	4	5	activity: catalytic activity	toplasm: mitochondrion	ion of biological process			0,949	0,296	5		8,8	218	24,4	9,17
34328303	uncharacterized protein LOC70909 [Mus musculus]	0,00	1,96	1		1	1	1						0,949	0,296	1			560	65,2	6,32
77812697	titin isoform N2-A [Mus musculus]	29,43	0,08	4		2	3	3	structural molecule activity	ucleus: organelle lumen	ss: response to stimulus	Pf00041: Pf00047: Pf00		0,949	0,296	2		15,4	33467	3713,7	6,37
33186923	phosphatidate cytidyltransferase 1 [Mus musculus]	59,27	3,25	1		1	1	1	catalytic activity	ic reticulum: membrane	metabolic process	Pf01148		0,949	0,296	1			461	52,8	7,72
13385624	eukaryotic translation initiation factor 2 subunit 1 [Mus musculus]	317,00	33,02	1		11	11	16	in binding: RNA binding	n: extracellular: nucleus	ss: response to stimulus	Pf00575: Pf07541		0,949	0,296	15		6,0	315	36,1	5,08
119672912	calcium homeostasis endoplasmic reticulum protein [Mus musculus]	59,66	5,12	1		4	4	4	in binding: RNA binding	ic reticulum: membrane	igical process: transport	Pf01585: Pf01805: Pf04		0,949	0,296	4		2,1	938	106,3	9,19
29150272	protein SEC13 homolog [Mus musculus]	124,56	11,18	1		4	4	5	protein binding	lar: membrane	transport	Pf00400		0,949	0,296	5			322	35,5	5,38
357933628	testican-3 isoform 2 precursor [Mus musculus]	0,00	3,46	2		1	1	1	binding: protein binding	extracellular: ss:	response to stimulus	Pf00050: Pf00086: Pf07		0,949	0,296	1			433	48,7	5,16
111185947	glycerophosphocholine phosphodiesterase GPCPD1 isoform 3 [Mus musculus]	0,00	2,39	2		2	2	2	catalytic activity	cytoplasm	metabolic process	Pf00686: Pf03009		0,950	0,300	2		1,4	628	71,3	6,28
124249080	HEAT repeat-containing protein 6 [Mus musculus]	57,02	1,60	2		1	2	2	RNA binding					0,950	0,300	1			1184	128,8	7,24
19525729	lambda-crystallin homolog [Mus musculus]	528,60	29,47	1		12	12	28	binding: protein binding	n: cytosol: extracellular	metabolic process	Pf00725: Pf02737		0,950	0,300	27		10,2	319	35,2	5,86
23397419	ribokinase [Mus musculus]	16,24	2,48	1		1	1	1	lity: nucleotide binding		metabolic process	Pf00294: Pf08543		0,950	0,300	1			323	34,1	5,47
124487477	N-alpha-acetyltransferase 30 [Mus musculus]	169,29	13,93	1		4	4	8	catalytic activity	cytoplasm	metabolic process	Pf00583		0,950	0,300	6		5,8	366	39,7	5,95
161353456	CD151 antigen [Mus musculus]	0,00	3,16	1		1	1	1		membrane r	component movement	Pf00335		0,950	0,300	1			253	28,2	7,47
6681071	cystatin-B [Mus musculus]	55,66	20,41	1		2	2	3	in binding: RNA binding	ucleus: organelle lumen	ss: response to stimulus	Pf00031		0,950	0,300	3		3,5	98	11,0	7,39
13507666	serine beta-lactamase-like protein LACTB, mitochondrial precursor	51,10	7,99	1		5	5	5	catalytic activity	toplasm: mitochondrion	metabolic process	Pf00144		0,950	0,300	5		7,9	551	60,7	8,90
226823266	disco-interacting protein 2 homolog B isoform 2 [Mus musculus]	35,70	0,67	2		1	1	1	activity: protein binding	n: extracellular: nucleus	metabolic process	Pf00501		0,950	0,300	1			1340	146,6	8,03
149251263	PREDICTED: ubiquitin-conjugating enzyme E2 L3-like isoform 2 [Mus musculus]	43,76	5,84	7		1	1	3	catalytic activity			Pf00179		0,950	0,300	2		2,6	154	17,9	8,75
149250091	PREDICTED: 40S ribosomal protein S12-like [Mus musculus]	206,08	40,15	8		5	5	9				Pf01248		0,950	0,300	9		2,7	132	14,5	7,93
188219757	alpha-aminoacidic semialdehyde dehydrogenase isoform a [Mus musculus]	873,45	35,62	2		17	17	47	catalytic activity	mitochondrion: nucleus	metabolic process	Pf00171		0,950	0,300	47		6,9	539	58,8	7,47
13384608	pterin-4-alpha-carbinolamine dehydratase [Mus musculus]	52,95	42,31	1		4	5	5	activity: protein binding	n: extracellular: nucleus	ion of biological process	Pf01329		0,950	0,300	4		8,7	104	12,0	6,80
443497959	AH receptor-interacting protein [Mus musculus]	201,38	35,76	1		10	10	15	protein binding	sol: membrane: nucleus	ie to stimulus: transport	Pf00254		0,950	0,300	14		7,6	330	37,6	6,40
169646270	coiled-coil domain-containing protein 14 [Mus musculus]	22,24	1,07	1		1	1	1		cytoskeleton				0,950	0,300	1			934	102,6	7,23
165932270	splicing factor 3A subunit 1 [Mus musculus]	58,92	8,09	1		5	6	6	in binding: RNA binding	ss: spliceosomal complex	metabolic process	Pf00240: Pf01805: Pf12		0,950	0,300	5		9,4	791	88,5	5,22
31981690	heat shock cognate 71 kDa protein [Mus musculus]	4836,36	49,07	1		22	37	248	in binding: RNA binding	ss: spliceosomal complex	ie to stimulus: transport	Pf00012: Pf02463: Pf06		0,950	0,300	170			646	70,8	5,52
52421794	pterin-4-alpha-carbinolamine dehydratase 2 [Mus musculus]	79,95	23,53	1		3	4	6	activity: protein binding	mitochondrion: nucleus	ion of biological process	Pf01329		0,950	0,300	5		1,4	136	14,8	9,16
25141332	copine-1 [Mus musculus]	27,15	2,99	1		2	2	2	protein binding	extracellular: nucleus		Pf00168: Pf07002		0,951	0,303	2		0,0	536	58,8	5,66
244791271	protein transport protein Sec31A [Mus musculus]	257,30	10,16	1		12	12	18	protein binding	ucleus: organelle lumen	ie to stimulus: transport	Pf03154: Pf09606: Pf12		0,951	0,303	18		16,3	1230	133,5	6,76
29789351	nuclear pore complex protein Nup107 [Mus musculus]	92,52	6,48	1		5	5	5	ity: transporter activity	ucleus: organelle lumen	ibolic process: transport	Pf04121		0,951	0,303	5		2,9	926	106,6	5,43
116256516	heterogeneous nuclear ribonucleoprotein D0 isoform 1 [Mus musculus]	177,49	19,51	4		6	7	17	in binding: RNA binding	plasm: cytosol: nucleus	ion of biological process	Pf00076		0,951	0,303	12		5,1	287	30,6	8,41
312222692	DOB-1 and CUL4-associated factor 11 [Mus musculus]	39,18	5,83	1		3	3	4	protein binding		metabolic process	Pf00400		0,951	0,303	4		2,2	549	62,0	6,44
19527388	ubiquitin thioesterase OTUB1 [Mus musculus]	460,33	38,38	1		9	9	24	activity: protein binding	cytoplasm: extracellular	ss: response to stimulus	Pf02338: Pf10275		0,951	0,303	21		14,3	271	31,3	4,94
6756051	zinc finger protein 207 isoform 4 [Mus musculus]	36,88	2,83	4		1	1	1	in binding: RNA binding	ucleus: cytoskeleton	ucleus ion of biological process			0,951	0,303	1			460	49,4	9,10
84794552	phosphatidylethanolamine-binding protein 1 [Mus musculus]	900,39	42,78	2		7	7	48	in binding: RNA binding	mitochondrion: nucleus	ion: response to stimulus	Pf01161		0,951	0,303	40		13,2	187	20,8	5,40
253970463	ketosamine-3-kinase [Mus musculus]	0,00	2,59	1		1	1	1	zyme regulator activity		metabolic process	Pf01636: Pf03881		0,951	0,303	1			309	34,4	7,87
158854007	Pf1H domain-containing protein 1 [Mus musculus]	60,72	24,17	1		4	4	5		nucleus		Pf06201		0,951	0,303	5		11,6	211	24,2	5,74
188219604	DNA-directed RNA polymerase II subunit RPB11 [Mus musculus]	25,53	6,84	1		1	1	2	binding: protein binding	ucleus: organelle lumen	metabolic process	Pf01193		0,952	0,307	2		12,7	117	13,3	5,86
134053905	26S proteasome non-ATPase regulatory subunit 11 [Mus musculus]	175,46	14,69	1		6	6	10	protein binding	nucleus: proteasome	esis: metabolic process	Pf01399		0,952	0,307	9		10,2	422	47,4	6,48
405778329	F-box/WD repeat-containing protein 11 isoform d [Mus musculus]	45,89	3,35	4		1	2	2	activity: protein binding	cytosol: nucleus	ie to stimulus: transport	Pf00400: Pf00646: Pf08		0,952	0,307	1			508	58,4	7,02
261878588	WD repeat-containing protein 13 isoform 1 [Mus musculus]	66,37	10,52	1		5	5	5	protein binding	cytoplasm: nucleus		Pf00400		0,952	0,307	5		1,9	485	53,6	9,14
19527028	vigilin [Mus musculus]	462,93	19,79	1		26	26	30	RNA binding	n: extracellular: nucleus	ibolic process: transport	Pf00013		0,952	0,307	30		8,2	1268	141,7	6,87
329745477	protein ITFG3 [Mus musculus]	26,51	1,62	1		1	1	1		extracellular: membrane				0,952	0,307	1			555	60,5	5,68
8393762	cleavage and polyadenylation specificity factor subunit 2 [Mus musculus]	84,37	7,29	1		6	6	6	ic activity: RNA binding	ucleus: organelle lumen	metabolic process	Pf00753: Pf07521: Pf10		0,952	0,307	6		5,3	782	88,3	5,11
31543773	Sjogren syndrome/scleroderma autoantigen 1 homolog [Mus musculus]	69,07	5,03	1		1	1	1	activity: protein binding			Pf06677		0,952	0,307	1			199	21,3	5,12
24528555	N-terminal Xaa-Pro-Lys N-methyltransferase 1 [Mus musculus]	61,21	11,66	1		2	2	2	catalytic activity	cytoplasm: nucleus	esis: metabolic process	Pf00891: Pf01209: Pf05		0,952	0,307	2		10,8	223	25,4	6,90
78000175	sorbin and SH3 domain-containing protein 1 isoform 1 [Mus musculus]	63,49	4,09	5		3	3	3	protein binding	ucleus: organelle lumen	ie to stimulus: transport	Pf00018: Pf02208: Pf07		0,952	0,307	3		2,7	684	76,3	7,58
37674269	protein phosphatase Slingshot homolog 3 [Mus musculus]	0,00	1,39	1		1	1	1	binding: protein binding	n: cytoskeleton: nucleus	ion of biological process	Pf00782: Pf08766		0,952	0,307	1			649	72,2	5,57
124248572	prefoldin subunit 3 [Mus musculus]	356,73	39,29	3		10	10	17	protein binding	cytoplasm: nucleus	metabolic process	Pf02996		0,953	0,311	16		6,4	196	22,4	6,28
19527240	TBC1 domain family member 10A [Mus musculus]	61,99	5,80	1		3	3	3	activity: protein binding	extracellular: ion of biological process		Pf00566		0,953	0,311	3		6,8	500	56,2	7,85
257153392	ubiquitin fusion degradation protein 1 homolog [Mus musculus]	55,14	9,12	1		3	3	4	protein binding	plasm: cytosol: nucleus	metabolic process	Pf03152		0,953	0,311	4		7,9	307	34,5	6,70
40254361	heat shock 70 kDa protein 4L [Mus musculus]	440,52	21,36	1		15	17	27	binding: protein binding	plasm: cytosol: nucleus	ss: response to stimulus	Pf00012		0,953	0,311	21		7,8	838	94,3	5,74
254910985	TFIIA-alpha and beta-like factor [Mus musculus]	36,45	1,28	1		1	1	1	binding: protein binding	ucleus: organelle lumen	ion of biological process	Pf03153		0,953	0,311	1			468	51,5	4,69
31542421	crk-like protein isoform 1 [Mus musculus]	35,84	9,57	2		2	2	2	in binding: RNA binding	cytoplasm	development	Pf00017: Pf00018: Pf07		0,953	0,311	2		15,7	303	33,8	6,74
213418055	SAM domain and HD domain-containing protein 1 isoform 1 [Mus musculus]	37,47	6,38	2		4	4	4	in binding: RNA binding	membrane: nucleus	ss: response to stimulus	Pf00536: Pf01966: Pf07		0,953	0,311	4		8,0	658	75,8	7,93
34610207	alanine--RNA ligase, cytoplasmic [Mus musculus]	321,31	12,29	1		12	12	15	in binding: RNA binding	cytoplasm: extracellular	ss: response to stimulus	Pf01411: Pf02272: Pf07		0,953	0,311	15		12,4	968	106,8	5,67
361050244	small G protein signaling modulator 1 isoform c [Mus musculus]	21,38	3,99	3		2	2	3	zyme regulator activity	cytoplasm: Golgi	ion of biological process	Pf02759		0,953	0,311	2		5,5	677	76,3	7,56
22164776	keratin, type II cytoskeletal 79 [Mus musculus]	111,25	6,78	8		1	4	15	structural molecule activity	oskeleton: extracellular		Pf00038: Pf01576		0,953	0,311	2		0,7	531	57,5	7,69
13385998	heat shock protein 75 kDa, mitochondrial precursor [Mus musculus]	516,49	23,09	1		14	15	32	in binding: RNA binding	ucleus: organelle lumen	ss: response to stimulus	Pf00183: Pf02518		0,953	0,311	15		9,1	706	80,2	6,68
188219557	protein regulator of cytokinesis 1 [Mus musculus]	260,39	19,31	1		12	12	13	protein binding	n: membrane: nucleus	ization and biogenesis	Pf03999		0,953	0,311	13		9,8	606	70,6	7,90
27502355	relasin-3 precursor [Mus musculus]	0,00	7,80	1		1	1	1	protein binding	extracellular: ion of biological process				0,953	0,311	1			141	14,9	5,91
161016820	aspartyl aminopeptidase isoform b [Mus musculus]	74,08	8,88	2		4	4	4	livity: metal ion binding	n: extracellular: nucleus	metabolic process	Pf02127		0,953	0,311	4		7,9	473	52,2	7,25
238814391	T-complex protein 1 subunit eta [Mus musculus]	507,11	30,88	1		17	17	34	binding: protein binding	cytosol: mitochondrion	ic process: reproduction	Pf00118		0,953	0,311	34		9,5	544	59,6	7,84
22094119	unconventional myosin-XVIIb [Mus musculus]	142,58	5,95	6		12	13	13	ing: transporter activity	ucleus: organelle lumen	reproduction: transport	Pf00038: Pf00063: Pf00		0,954	0,315	12		6,5	2035	230,8	6,16
4678674	L-lactate dehydrogenase B chain [Mus musculus]	9204,02	54,19	1		24	26	480	binding: protein binding	cytosol: mitochondrion	metabolic process	Pf00056: Pf02866		0,954	0,315	437		11,5	334		

282154801	NFU1 iron-sulfur cluster scaffold homolog, mitochondrial isoform 2	0,00	9,02	2	2	2	3 binding: protein binding	mitochondrion; nucleus; metabolic process	PI01106; PI08712	0,955	0,319	3	9,4	255	28,5	5,03
6754450	fatty acid-binding protein, epidermal isoform 1 [Mus musculus]	771,51	50,37	3	6	6	30 transporter activity	cytoplasm; extracellular; response to stimulus; transport	PI00061	0,955	0,319	29	6,2	135	15,1	6,54
6755198	proteasome subunit alpha type-6 [Mus musculus]	299,12	43,50	1	11	11	19 in binding: RNA binding	lumen; proteasome; ion of biological process	PI00227; PI10584	0,955	0,319	18	6,6	246	27,4	6,76
13386026	UPF0568 protein C14orf166 homolog [Mus musculus]	121,72	23,36	1	6	6	8 in binding: RNA binding	; cytoskeleton; nucleus; ion of biological process	PI10036	0,955	0,319	8	5,0	244	28,1	6,89
11793832	spectrin beta chain, non-erythrocytic 1 isoform 1 [Mus musculus]	118,39	5,25	5	15	15	15; ctural molecule activity	ucleus; organelle lumen; response to stimulus; transport	PI00169; PI00307; PI00	0,955	0,319	14	7,7	2363	274,1	5,58
19526912	hsc70-interacting protein [Mus musculus]	964,27	25,61	1	12	12	56 binding: protein binding	m; cytosol; extracellular; ion of biological process	PI00515	0,956	0,322	53	8,7	371	41,6	5,26
148747546	serine protease inhibitor A3K precursor [Mus musculus]	287,19	20,81	5	1	7	13 activity: protein binding	extracellular; response to stimulus	PI00079	0,956	0,322	1	418	46,6	5,16	
240255574	cold shock domain-containing protein E1 isoform 2 [Mus musculus]	154,82	16,17	2	14	14	14; A binding: RNA binding	embrane; mitochondrion; ion of biological process	PI00313; PI12901	0,956	0,322	14	13,8	767	85,6	6,33
298676498	magnesium transporter protein 1 [Mus musculus]	23,13	5,16	1	2	2	2 transporter activity	c; reticulum; membrane; iginal process; transport	PI04756	0,956	0,322	2	5,6	368	41,6	10,05
47523977	keratin, type II cytoskeletal 72 [Mus musculus]	109,67	7,50	1	1	4	7; ctural molecule activity	cytoskeleton	PI00038; PI01576; PI09	0,956	0,322	2	9,2	520	56,7	7,40
124430514	probable ATP-dependent RNA helicase DDX23 [Mus musculus]	109,41	7,33	1	6	6	6; e binding: RNA binding	; spliceosomal complex; metabolic process	PI00270; PI00271; PI04	0,956	0,322	6	4,9	819	95,4	9,58
94681061	5'-AMP-activated protein kinase catalytic subunit alpha-1 [Mus mus]	107,36	8,59	2	4	4	5 binding: protein binding	m; membrane; nucleus; response to stimulus; transport	PI00069; PI07714	0,956	0,322	5	2,8	559	63,9	8,12
31982300	hemoglobin, beta adult t chain [Mus musculus]	529,34	51,70	1	3	7	22; ng: transporter activity	m; cytosol; extracellular; response to stimulus; transport	PI00042	0,956	0,322	6	2,4	147	15,7	7,69
297206804	serine/threonine-protein kinase WNK1 isoform 2 [Mus musculus]	134,41	4,37	8	6	10	12 binding: protein binding	cytoplasm; response to stimulus; transport	PI00069; PI07714; PI12	0,956	0,322	6	9,0	2128	225,3	6,51
149269638	PREDICTED: nuclear transport factor 2-like [Mus musculus]	53,65	22,05	4	3	3	4 transporter activity	oskeleton; extracellular	PI02136	0,957	0,326	4	6,8	127	14,5	5,38
110815859	protein CASP isoform b [Mus musculus]	60,67	3,25	2	2	2	2; ng: transporter activity	gi; membrane; nucleus; iginal process; transport	PI01496; PI01576; PI02	0,957	0,326	2	2,6	676	77,1	5,39
157266260	Purkinje cell protein 4-like protein 1 [Mus musculus]	50,85	11,76	1	1	1	1 protein binding			0,957	0,326	1	68	7,5	5,52	
407728591	transcription factor E3 isoform d [Mus musculus]	34,84	2,31	4	1	1	1 binding: protein binding	cytoplasm; nucleus; response to stimulus	PI00010	0,957	0,326	1	432	46,7	7,71	
87299637	dynamitin-2 isoform 2 [Mus musculus]	64,16	6,10	7	4	5	5 binding: protein binding	gi; membrane; nucleus; ionic process; transport	PI00169; PI00350; PI01	0,957	0,326	3	16,5	869	97,9	7,44
67782360	extended synaptotagmin-2 [Mus musculus]	38,72	0,83	1	1	1	1 protein binding	membrane	PI00168; PI10358	0,957	0,326	1	845	94,1	7,75	
225543424	rho GTPase-activating protein 1 isoform 1 [Mus musculus]	127,49	12,53	2	5	6	7 activity: protein binding	xtracellular; response to stimulus	PI00620; PI00650	0,957	0,326	5	7,3	479	54,4	5,87
82524294	angio-associated migratory cell protein isoform 2 [Mus musculus]	65,58	7,59	2	3	3	3 protein binding	cell surface	PI00400	0,957	0,326	3	1,7	435	46,9	4,41
109948290	rab-like protein 3 [Mus musculus]	54,18	4,66	1	1	1	1 nucleotide binding	ucleus; response to stimulus	PI00071; PI08477	0,957	0,326	1	236	26,3	7,15	
11230780	tumor susceptibility gene 101 protein [Mus musculus]	35,47	7,42	1	2	2	2 protein binding	ucleus; organelle lumen; iginal process; transport	PI03148; PI05743; PI07	0,957	0,326	2	0,6	391	44,1	6,71
226051848	protein max isoform 2 [Mus musculus]	20,22	6,62	2	1	1	1 binding: protein binding	ucleus; organelle lumen; ion of biological process	PI00010	0,958	0,330	1	151	17,2	6,55	
217035142	kinetochore protein NDC80 homolog [Mus musculus]	95,41	9,81	1	8	8	8 protein binding	ucleus; organelle lumen; ionization and biogenesis	PI03801; PI03961; PI12	0,958	0,330	8	12,1	642	73,9	5,95
890011109	guanine nucleotide-binding protein subunit alpha-13 [Mus muscu]	85,44	4,77	7	1	2	2; gnal transducer activity	ar; membrane; nucleus; response to stimulus	PI00025; PI00503	0,958	0,330	1	377	44,0	8,21	
27597069	protein prune homolog [Mus musculus]	379,82	31,72	1	14	14	19; tivity: metal ion binding	cytoplasm; nucleus; metabolic process	PI01368; PI02833	0,958	0,330	18	7,6	454	50,2	5,11
160298182	growth/differentiation factor 9 precursor [Mus musculus]	247,56	21,32	1	10	10	26 protein binding	cytoplasm; extracellular	PI00019	0,958	0,330	26	7,7	441	49,6	8,27
47059486	pyridoxal phosphate phosphatase [Mus musculus]	110,41	23,63	1	6	6	6 binding: protein binding	ion; cytosol; membrane; response to stimulus	PI00702	0,958	0,330	6	9,6	292	31,5	5,74
31543485	Golgi-associated PDZ and coiled-coil motif-containing protein isofo	49,46	2,42	2	1	1	1 activity: protein binding	asm; Golgi; membrane; reproduction; transport	PI00595	0,958	0,330	1	455	49,8	6,35	
332939362	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltran	72,83	6,54	1	3	3	3; tivity: metal ion binding	ltular; Golgi; membrane; metabolic process	PI04666	0,958	0,330	3	535	61,4	7,62	
20270194	39S ribosomal protein L20, mitochondrial precursor [Mus muscu]	0,00	4,70	1	1	1	1; ctural molecule activity	anelle lumen; ribosome; metabolic process	PI00453	0,958	0,330	1	149	17,6	11,11	
10946722	cell differentiation protein RCD1 homolog [Mus musculus]	0,00	2,34	1	1	1	1 protein binding	cytoplasm; nucleus; response to stimulus	PI04078	0,958	0,330	1	299	33,6	8,03	
22550094	cAMP-dependent protein kinase type II-alpha regulatory subunit [I	140,15	21,64	1	6	8	11 binding: protein binding	xtracellular; membrane; response to stimulus	PI00027; PI02197; PI05	0,958	0,330	7	5,0	402	45,6	4,93
164698448	protein pelota homolog [Mus musculus]	72,79	10,65	1	3	3	3; tivity: metal ion binding	cytoplasm; nucleus; ation; metabolic process	PI03464; PI03	0,958	0,330	3	7,5	385	43,3	5,99
313661499	DNA (cytosine-5)-methyltransferase 1 isoform 4 [Mus musculus]	3739,03	38,22	2	1	70	269 in binding: RNA binding	me; cytoplasm; nucleus; response to stimulus	PI00145; PI01426; PI02	0,958	0,330	2	18,9	1502	169,9	7,69
22296603	COMM domain-containing protein 3 [Mus musculus]	48,84	14,36	1	3	3	3		PI07258	0,959	0,334	3	4,6	195	22,0	5,59
119508439	pyrroline-5-carboxylate reductase 3 [Mus musculus]	516,64	43,07	1	11	11	22 binding: protein binding	cytoplasm; metabolic process	PI01210; PI03802	0,959	0,334	22	4,8	274	28,7	7,27
25286717	thioredoxin domain-containing protein 9 [Mus musculus]	75,07	9,29	1	3	3	4	; cytoskeleton; nucleus; ion of biological process	PI00085	0,959	0,334	4	1,3	226	26,2	5,95
227330586	serine/threonine-protein kinase mTOR [Mus musculus]	63,66	1,73	1	5	5	5 binding: protein binding	rganelle lumen; vacuole; response to stimulus; transport	PI00454; PI02259; PI02	0,959	0,334	5	10,7	2549	288,6	7,17
226958349	triosephosphate isomerase [Mus musculus]	472,54	30,77	1	10	10	23 catalytic activity	t; extracellular; nucleus; nent; metabolic process	PI00121	0,959	0,334	23	14,2	299	32,2	5,74
256985205	28S ribosomal protein S29, mitochondrial isoform 1 [Mus muscu]	36,16	6,56	2	2	2	2 RNA binding	anelle lumen; ribosome; ion of biological process	PI05673; PI10236	0,959	0,334	2	1,8	366	42,1	8,95
33942059	delta isoform of regulatory subunit B56, protein phosphatase 2A [I	154,13	16,33	5	9	9	11 activity: protein binding	ucleus; response to stimulus	PI01603	0,959	0,334	11	8,0	594	69,0	7,96
209862973	FACT complex subunit SSRP1 [Mus musculus]	212,27	16,95	1	11	11	14 in binding: RNA binding	ucleus; organelle lumen; response to stimulus	PI00505; PI03531; PI08	0,959	0,334	14	8,2	708	80,8	6,76
294459939	F-box and WD-40 domain protein 28 isoform 2 [Mus musculus]	394,20	30,26	3	1	16	44 protein binding		PI00646; PI12937	0,959	0,334	2	4,3	466	54,3	8,00
29789195	transcription factor BTF3 homolog 4 [Mus musculus]	61,59	17,72	1	5	5	7		PI01849	0,959	0,334	7	14,4	158	17,3	6,35
41054806	guanine nucleotide-binding protein G(i) subunit alpha-2 [Mus mus	149,14	14,37	10	2	5	8; gnal transducer activity	ar; membrane; nucleus; response to stimulus; transport	PI00025; PI00503	0,959	0,334	3	9,1	355	40,5	5,45
89111939	exocyst complex component 1 [Mus musculus]	59,06	8,10	1	8	8	8		PI09763	0,960	0,338	8	13,2	901	102,6	6,47
329299065	sepin-1 isoform 2 [Mus musculus]	153,68	16,74	6	8	9	11 binding: protein binding	ucleus; organelle lumen; ion of biological process	PI00735; PI05368	0,960	0,338	10	1,8	436	50,5	8,57
359385498	14-3-3 protein zeta/delta isoform 1 [Mus musculus]	1386,73	51,02	3	11	17	97 in binding: RNA binding	ndrion; nucleus; vacuole; response to stimulus; transport	PI00244	0,960	0,338	46	11,9	245	27,8	4,79
47078287	proteasome inhibitor PI31 subunit [Mus musculus]	309,92	26,94	1	7	7	17 protein binding	; reticulum; proteasome; ion of biological process	PI08577; PI11566	0,960	0,338	17	8,7	271	29,6	5,25
21450325	flavin reductase (NADPH) [Mus musculus]	0,00	3,88	1	1	1	1; tivity: nucleotide binding	ar; membrane; nucleus; metabolic process	PI01073; PI01370	0,960	0,338	1	206	22,2	7,01	
459683847	60S ribosomal protein L22 isoform c [Mus musculus]	100,37	26,97	5	2	2	3; ctural molecule activity	ular; nucleus; ribosome; nent; metabolic process	PI01776	0,960	0,338	3	11,2	89	9,5	9,67
27229082	protein LZIC [Mus musculus]	65,38	11,05	1	2	2	3 protein binding	response to stimulus	PI06384	0,960	0,338	3	5,4	190	21,5	4,96
158508568	tyrosine-protein phosphatase non-receptor type 11 isoform b [Mus	288,44	21,75	2	12	12	18 activity: protein binding	mitochondrion; nucleus; response to stimulus; transport	PI00017; PI00102	0,960	0,338	18	14,1	593	68,0	7,30
224809376	nicotinic precursor [Mus musculus]	112,72	8,62	1	6	6	7 activity: protein binding	gi; membrane; vacuole; response to stimulus	PI05450	0,960	0,338	7	1,5	708	78,4	6,09
76443694	ubiquitin-40S ribosomal protein S27a precursor [Mus musculus]	1347,09	63,46	6	2	11	92; ctural molecule activity	anelle lumen; ribosome; metabolic process	PI00240; PI01599; PI11	0,960	0,338	4	2,5	156	17,9	9,64
163954948	far upstream element-binding protein 2 [Mus musculus]	135,71	11,36	1	6	8	8; A binding: RNA binding	glasm; cytosol; nucleus; iginal process; transport	PI00013; PI09005	0,960	0,338	6	11,0	748	76,7	7,33
227330590	E3 UFM1-protein ligase 1 [Mus musculus]	37,39	5,17	1	4	4	4 catalytic activity	m; membrane; nucleus; response to stimulus	PI09743	0,960	0,338	4	10,7	793	89,5	6,67
164519045	ubiquitin carboxyl-terminal hydrolase 4 [Mus musculus]	155,34	5,61	1	4	5	8 binding: protein binding	m; membrane; nucleus; ion of biological process	PI00443; PI06337	0,960	0,338	6	9,4	962	108,3	5,64
19526794	CD81 antigen [Mus musculus]	62,90	8,47	1	1	1	1 protein binding	xtracellular; membrane; response to stimulus	PI00335	0,961	0,342	1	236	25,8	5,83	
262118202	eukaryotic translation initiation factor 4E transporter isoform a [M	125,14	16,58	2	15	15	21 in binding: RNA binding	ucleus; organelle lumen; ionic process; transport	PI10477	0,961	0,342	21	8,6	983	107,9	7,74
114052416	misshapen-like kinase 1 isoform 2 [Mus musculus]	71,22	2,75	4	3	3	3; tivity: nucleotide binding	ltular; Golgi; membrane; response to stimulus; transport	PI00069; PI00780; PI07	0,961	0,342	3	6,7	1308	147,2	7,44
408357980	cAMP-responsive element modulator isoform 11 [Mus musculus]	53,53	6,19	13	1	1	1 DNA binding	nucleus; iginal process; reproduction	PI00170	0,961	0,342	1	113	12,7	9,13	
27229283	oligoribonuclease, mitochondrial precursor [Mus musculus]	44,72	5,91	1	2	2	2 catalytic activity	ucleus; organelle lumen; metabolic process	PI00929	0,961	0,342	2	11,6	237	26,7	7,15
313851007	peptidyl-prolyl cis-trans isomerase FKBP8 isoform a [Mus muscu]	57,95	13,40	2	5	5	5 activity: protein binding	embrane; mitochondrion; response to stimulus	PI00254; PI00515; PI07	0,961	0,342	5	2,1	403	43,6	5,16
407261929	PREDICTED: transcription initiation factor IIA subunit 2-like [Mus	45,24	21,10	2	3	3	3; tivity: nucleotide binding	ucleus; organelle lumen; metabolic process	PI02268; PI02751	0,961	0,342	3	1,0	109	12,5	6,62
93102413	galactokinase [Mus musculus]	166,10	16,33	1	6	6	9 binding: protein binding	cytoplasm; extracellular; metabolic process	PI08544; PI10509	0,961	0,342	9	7,7	392	42,3	5,26
163954941	fragile X mental retardation syndrome-related protein 1 isoform 1	518,30	29,10	3	14	17	24 in binding: RNA binding	cytoplasm; nucleus; ion of biological process	PI00013; PI05641; PI12	0,961	0,342	20	6,6	772	76,2	6,98
197333689	vesicular core protein isoform 4 precursor [Mus musculus]	90,65	8,85	5	5	5	5 binding: protein binding	xtracellular; membrane; movement; development	PI00008;							

183396774	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial [Mus musculus]	0,00	2,02	1	1	1	1	1	1	binding: protein binding	ndrion: organelle lumen	is: response to stimulus	Pf00456: Pf00676	0,962	0,346	1		446	50,7	8,06
166706862	serine/threonine-protein phosphatase 4 regulatory subunit 1 isoform 1 [Mus musculus]	179,80	9,31	2	8	8	8	9		protein binding				0,962	0,346	9	18,0	934	104,4	4,86
61657921	kinesin-1 heavy chain [Mus musculus]	100,41	6,65	3	6	6	6	6	ing: transporter activity	ucleus: organelle lumen	reproduction: transport	Pf00225: Pf01496: Pf01496	0,962	0,346	6		1,2	963	109,5	6,44
14389431	stress-induced-phosphoprotein 1 [Mus musculus]	1220,78	55,25	1	41	41	107	in binding: RNA binding	iplasm: cytosol: nucleus				Pf00515	0,962	0,346	96	7,6	543	62,5	6,80
38348230	ERO1-like protein beta precursor [Mus musculus]	253,82	20,13	1	9	10	13	ility: nucleotide binding	ic reticulum: membrane	igical process: transport			Pf01437	0,962	0,346	12	13,9	467	53,5	8,09
244790112	spastin isoform 2 [Mus musculus]	103,36	14,19	2	8	8	9	inding: protein binding	ar: membrane: nucleus	ie to stimulus: transport			Pf00004: Pf00437: Pf01437	0,962	0,346	9	5,8	613	66,3	9,69
91206392	mannose-6-phosphate isomerase [Mus musculus]	63,34	9,93	1	3	3	3	livity: metal ion binding	cytoplasm	metabolic process			Pf01238	0,962	0,346	3	1,0	423	46,5	5,95
124107594	3-phosphoinositide-dependent protein kinase 1 isoform A [Mus musculus]	156,02	14,85	2	9	9	11	inding: protein binding	iol: membrane: nucleus	ie to stimulus: transport			Pf00069: Pf07714	0,963	0,350	11	4,4	559	63,7	7,37
356582238	epsin-2 isoform 3 [Mus musculus]	61,82	1,72	3	1	1	1		lgi: membrane: nucleus	ie to stimulus: transport			Pf01417: Pf07651	0,963	0,350	1		583	62,2	7,84
19923865	histone H100 [Mus musculus]	163,83	34,21	1	8	8	9	inding: protein binding	ucleus: organelle lumen	al process: reproduction			Pf00538	0,963	0,350	8	17,8	304	32,2	10,59
31560731	V-type proton ATPase catalytic subunit A [Mus musculus]	431,92	29,01	1	17	17	30	ing: transporter activity	itochondrion: vacuole	ollic process: transport			Pf00006: Pf00306: Pf02306	0,963	0,350	30		617	68,3	5,58
27228993	SPRY domain-containing protein 7 [Mus musculus]	0,00	8,16	1	2	2	2		protein binding				Pf00622	0,963	0,350	2	0,1	196	21,7	6,70
125490378	nuclear autoantigenic sperm protein isoform 2 [Mus musculus]	557,77	17,72	2	16	16	37		protein binding	ucleus: organelle lumen	ollic process: transport		Pf10516	0,963	0,350	34	7,6	773	84,0	4,37
156231075	brefeldin A-inhibited guanine nucleotide-exchange protein 1 [Mus musculus]	35,18	1,25	2	2	2	2		protein binding	ucleus: organelle lumen	ie to stimulus: transport		Pf01369: Pf09324: Pf12369	0,963	0,350	2	3,3	1846	208,4	5,86
226062635	ran GTPase-activating protein 1 [Mus musculus]	187,23	16,81	1	9	9	9	zyme regulator activity	on: membrane: nucleus	ie to stimulus: transport			Pf07834	0,963	0,350	8	11,8	589	63,5	4,68
21312510	protein canopy homolog 3 precursor [Mus musculus]	70,26	19,20	1	5	5	6		protein binding	: endoplasmic reticulum	ie: response to stimulus		Pf11938	0,963	0,350	6	1,7	276	30,5	5,62
42475974	phosphatidylinositol 3-kinase catalytic subunit type 3 [Mus musculus]	100,66	3,72	1	3	3	3	inding: protein binding	cytoplasm: endosome	ie to stimulus: transport			Pf00454: Pf00613: Pf00613	0,963	0,350	3	3,2	887	101,4	6,73
108773813	nuclear pore complex protein Nup85 [Mus musculus]	42,10	2,90	1	2	2	2		protein binding	on: membrane: nucleus	ie to stimulus: transport		Pf07575	0,963	0,350	2	1,0	656	74,7	5,57
7949018	hsp90 co-chaperone Cdc37 [Mus musculus]	450,03	15,04	1	7	7	16		protein binding	itracellular: mbrane: mitochondrion	id biogenesis: transport		Pf03234: Pf04111: Pf08234	0,963	0,350	16	7,4	379	44,6	5,34
40353220	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial [Mus musculus]	0,00	3,42	1	1	1	1	activity: protein binding	ndrion: organelle lumen	metabolic process			Pf02779: Pf02780	0,963	0,350	1		322	35,5	5,52
13385302	eukaryotic translation initiation factor 4E type 3 [Mus musculus]	187,09	28,50	1	6	6	14		RNA binding	ucleus: organelle lumen	ion of biological process		Pf01652	0,963	0,350	13	5,5	207	22,8	6,52
163838664	rho guanine nucleotide exchange factor 16 [Mus musculus]	37,01	3,23	1	3	3	3		protein binding	cytoplasm	is: response to stimulus		Pf00018: Pf00169: Pf00518	0,964	0,354	3	4,3	713	80,3	7,49
7305579	mitochondrial import inner membrane translocase subunit Tim8B [Mus musculus]	35,98	9,64	1	1	1	1		metal ion binding	mbrane: mitochondrion	id biogenesis: transport		Pf02953	0,964	0,354	1		83	9,3	5,12
27764875	bedin-1 [Mus musculus]	192,37	8,48	1	5	5	7		protein binding	lgi: membrane: nucleus	is: response to stimulus		Pf04111: Pf12777	0,964	0,354	7	8,2	448	51,6	4,93
47059484	histone-binding protein RBBP4 [Mus musculus]	303,84	20,94	3	4	10	21	inding: protein binding	ucleus: organelle lumen	ion of biological process			Pf01265	0,964	0,354	4	6,4	425	47,6	4,89
359279950	tudor domain-containing protein 3 isoform 2 [Mus musculus]	52,19	3,91	2	3	3	3	in binding: RNA binding	cytoplasm: nucleus	ion of biological process			Pf00567: Pf00603: Pf08567	0,964	0,354	3	4,9	716	79,0	9,13
7304963	chloride intracellular channel protein 4 [Mus musculus]	78,90	15,02	1	2	2	2	ing: transporter activity	ynelle lumen: vacuole	ie to stimulus: transport				0,964	0,354	2	9,9	253	28,7	5,59
283806543	nuclear pore complex protein Nup133 [Mus musculus]	109,14	6,15	1	7	7	7	ing: transporter activity	ne: membrane: nucleus	ollic process: transport			Pf03177: Pf08801	0,964	0,354	7	6,3	1155	128,5	5,20
153791919	trafficking protein particle complex subunit 2 [Mus musculus]	44,43	10,71	2	2	2	3		protein binding	iticulum: Golgi: nucleus	igical process: transport		Pf04099: Pf04628	0,964	0,354	3	12,3	140	16,4	6,52
254553458	glucose-6-phosphate isomerase [Mus musculus]	492,75	25,99	2	18	18	31	activity: protein binding	ar: membrane: nucleus	ion of biological process			Pf00342	0,964	0,354	31	13,8	558	62,7	8,13
228480232	U2 small nuclear ribonucleoprotein A' [Mus musculus]	58,14	12,94	1	4	4	5	in binding: RNA binding	is: spliceosomal complex	metabolic process			Pf12799	0,964	0,354	5	13,0	255	28,3	8,62
260166719	cytoskeleton-associated protein 5 isoform 2 [Mus musculus]	617,94	12,18	2	25	25	33		protein binding	cytoplasm: cytoskeleton	ization and biogenesis		Pf12348	0,965	0,358	33	6,8	2011	223,4	7,93
28916671	poly(ADP-ribose) glycohydrolase ARH3 [Mus musculus]	52,82	2,43	1	1	1	1	livity: metal ion binding	ucleus: organelle lumen	metabolic process			Pf03747	0,965	0,358	1		370	39,4	4,96
6679809	flotillin-1 [Mus musculus]	58,09	3,04	1	1	1	1		protein binding	brane: nucleus: vacuole	ie to stimulus: transport		Pf01145	0,965	0,358	1		428	47,5	7,15
254540058	2'-5' oligoadenylate synthetase 1E [Mus musculus]	1140,86	43,54	2	9	17	73	ke binding: RNA binding		is: response to stimulus			Pf09249: Pf10421	0,965	0,358	45	8,9	356	41,9	6,00
71725385	GTP-binding protein Di-Ras2 [Mus musculus]	0,00	0,95	1	2	2	2	livity: nucleotide binding	membrane	is: response to stimulus			Pf00071: Pf08477	0,965	0,358	2	1,1	199	22,5	8,76
124248577	26S protease regulatory subunit 6B [Mus musculus]	202,62	28,23	1	11	12	16	ke binding: RNA binding	n: nucleus: proteasome	is: response to stimulus			Pf00004: Pf12265: Pf00006: Pf00006	0,965	0,358	15	4,0	418	47,4	5,21
16716381	lysine-tRNA ligase isoform 2 [Mus musculus]	137,47	11,26	3	7	7	7	ke binding: RNA binding	skeleton: mitochondrion	metabolic process			Pf00152: Pf01336	0,965	0,358	7	13,0	595	67,8	5,94
170650724	xa-Pro dipeptidase [Mus musculus]	51,65	9,53	1	5	5	5	livity: metal ion binding	extracellular	metabolic process			Pf00557: Pf05195	0,965	0,358	5	5,1	493	55,0	5,78
170172577	phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 2 [Mus musculus]	0,00	1,27	1	1	1	1	activity: protein binding	tosol: Golgi: membrane	ie to stimulus: transport			Pf00017: Pf00536: Pf03536	0,965	0,358	1		1257	138,9	6,54
6680908	cyclin-dependent kinase 5 [Mus musculus]	243,23	27,74	38	7	9	12	inding: protein binding	ucleus: organelle lumen	ie to stimulus: transport			Pf00069: Pf07714	0,965	0,358	8	11,4	292	33,3	7,66
117414164	delta(14)-sterol reductase [Mus musculus]	23,11	4,78	1	1	1	1		catalytic activity	ic reticulum: membrane	metabolic process		Pf01222: Pf06966	0,965	0,358	1		418	46,5	8,28
7305061	peptidyl-prolyl cis-trans isomerase FKBP3 [Mus musculus]	117,56	19,20	1	5	5	6	in binding: RNA binding	membrane: nucleus	metabolic process			Pf00254	0,965	0,358	6	11,1	224	25,1	9,28
9625037	rho-related GTP-binding protein RhoG precursor [Mus musculus]	107,72	9,95	1	1	2	4	inding: protein binding	ar: membrane: nucleus	is: response to stimulus			Pf00025: Pf00071: Pf04071	0,965	0,358	1		191	21,3	8,12
31980808	eukaryotic translation initiation factor 3 subunit G [Mus musculus]	94,26	15,94	1	5	5	6	in binding: RNA binding	cytoplasm: nucleus	ion of biological process			Pf00076: Pf12353	0,965	0,358	6	7,1	320	35,6	5,90
251823709	serine/threonine-protein kinase Nek3 isoform 2 [Mus musculus]	90,13	8,06	2	4	4	4	ing: nucleotide binding	cytoplasm: cytoplasm	esis: metabolic process			Pf00069: Pf07714	0,965	0,358	4	1,7	509	57,2	7,01
40789239	ankyrin repeat and LEM domain-containing protein 2 isoform 2 [Mus musculus]	25,44	3,22	2	3	3	3		protein binding	im: membrane: nucleus	ion of biological process		Pf11296	0,965	0,358	3	19,3	663	106,1	7,37
312922373	band 4.1-like protein 2 [Mus musculus]	156,28	12,96	2	12	12	12	ictural molecule activity	ar: membrane: nucleus	ion of biological process			Pf00373: Pf04382: Pf05382	0,966	0,362	12	10,2	988	109,9	5,43
123701991	RNA-binding protein 26 [Mus musculus]	97,11	3,36	1	3	3	3		ke binding: RNA binding	ion of biological process			Pf00076	0,966	0,362	3		983	110,9	9,07
6754004	guanine nucleotide-binding protein subunit alpha-11 [Mus musculus]	73,40	7,24	2	1	2	2	gnal transducer activity	ar: membrane: vacuole	is: response to stimulus			Pf00025: Pf00503	0,966	0,362	1		359	42,0	5,97
170014746	lSH domain and HEAT repeat-containing protein KIAA1468 isoform 1 [Mus musculus]	46,22	3,61	2	4	4	5		protein binding					0,966	0,362	5	1,4	1192	131,8	5,29
126723478	transmembrane protein 245 [Mus musculus]	0,00	0,91	1	1	1	1			membrane				0,966	0,362	1		880	97,7	8,75
222446627	ret finger protein-like 4A [Mus musculus]	84,90	20,21	1	6	6	9	inding: protein binding	ucleus: organelle lumen				Pf00622: Pf11002	0,966	0,362	8	10,0	287	32,3	7,53
9789873	methionine aminopeptidase 2 [Mus musculus]	132,12	12,97	1	6	6	9	in binding: RNA binding	cytoplasm: membrane	metabolic process			Pf00557	0,966	0,362	9	5,3	478	52,9	5,82
6752548	C-terminal-binding protein 2 isoform 2 [Mus musculus]	104,03	10,34	2	2	5	7	inding: protein binding	nucleus	ion of biological process			Pf00389: Pf02826	0,966	0,362	2	11,8	445	48,9	6,95
20982833	spermatogenesis-associated serine-rich protein 2 [Mus musculus]	77,95	6,79	1	3	3	3	in binding: RNA binding	cytoplasm				Pf07139	0,966	0,362	3	13,2	545	58,9	9,00
6681183	protein diaphanous homolog 1 [Mus musculus]	268,21	16,33	1	21	21	24	in binding: RNA binding	ytoskeleton: membrane	ie to stimulus: transport			Pf00769: Pf01576: Pf02576	0,966	0,362	24	11,8	1255	139,3	5,57
226958577	DBIRD complex subunit KIAA1967 homolog [Mus musculus]	33,47	2,06	1	2	2	2	in binding: RNA binding	n: spliceosomal complex	is: response to stimulus				0,966	0,362	2	10,9	922	102,9	5,25
224994233	lysine-specific histone demethylase 1A [Mus musculus]	38,30	1,99	1	1	1	1		inding: protein binding	ucleus: organelle lumen	is: response to stimulus		Pf01593: Pf04433	0,967	0,366	1		853	92,8	6,52
110784834	epidermal growth factor receptor substrate 15-like 1 isoform a [Mus musculus]	115,30	6,95	2	6	6	7	ing: transporter activity	ucleus: organelle lumen	reproduction: transport			Pf00038: Pf00261: Pf00261	0,967	0,366	7	8,1	907	99,2	5,02
283135190	serine/threonine-protein kinase MRCK beta [Mus musculus]	47,74	1,63	2	3	3	3	ing: transporter activity	ucleus: organelle lumen	ie to stimulus: transport			Pf00069: Pf01330: Pf001330	0,967	0,366	3	19,2	1713	194,6	6,46
145046267	ryanodine receptor 1 [Mus musculus]	0,00	0,34	1	1	1	1	ing: transporter activity	itracellular: membrane	ie to stimulus: transport			Pf00520: Pf00622: Pf01622	0,967	0,366	1		5035	564,7	5,27
7657357	nucleosome assembly protein 1-like 1 isoform 2 [Mus musculus]	123,92	11,76	4	2	4	12	in binding: RNA binding	cytoplasm: nucleus	esis: metabolic process			Pf00956	0,967	0,366	4	20,8	391	45,3	4,46
33620739	myosin light polypeptide 6 [Mus musculus]	584,60	37,09	4	5	5	21	ictural molecule activity	oskeleton:											

160707879	formin-2 [Mus musculus]	44,86	1,20	1	2	2	2	protein binding	ucleus; organelle lumen	ie to stimulus; transport	PI02181	0,969	0,373	2	10,2	1578	167,3	5,48	
30410014	zinc finger SWIM domain-containing protein 3 [Mus musculus]	43,89	5,18	1	3	3	3	metal ion binding			PI04434; P110551	0,969	0,373	3	2,7	695	79,1	6,87	
239985605	glomulin isoform b [Mus musculus]	95,79	10,34	2	6	6	7	activity: protein binding	ie to stimulus; transport		PI08568	0,969	0,373	7	9,3	532	60,6	5,05	
229093139	serine protease HTRA1 precursor [Mus musculus]	89,42	12,08	1	6	6	7	activity: protein binding	n; cytosol; extracellular	ie; response to stimulus	PI00050; PI00089; PI00	0,969	0,373	6	6,5	480	51,2	7,65	
32189434	immunoglobulin superfamily member 8 precursor [Mus musculus]	81,15	4,91	1	2	2	2	protein binding	xtracellular; membrane		PI07686	0,969	0,373	2	8,4	611	65,0	7,84	
448261635	dynamitin-1-like protein isoform c [Mus musculus]	307,88	27,65	4	18	18	27	binding: protein binding	mbane; mitochondrion	ie to stimulus; transport	PI00350; PI01031; PI02	0,969	0,373	27	11,4	716	80,2	7,20	
14149726	riboflavin kinase [Mus musculus]	0,00	7,10	1	1	1	1	binding: protein binding	toplasm; mitochondrion	ion of biological process	PI01687	0,969	0,373	1	155	17,4	7,55		
269973853	F-box only protein 30 [Mus musculus]	106,85	9,65	3	8	8	10	binding: protein binding		metabolic process	PI00646; P112937	0,969	0,373	10	3,7	746	82,6	5,26	
10946854	ribose-phosphate pyrophosphokinase 1 [Mus musculus]	36,36	6,29	5	2	2	2	binding: protein binding		nent; metabolic process	PI00156	0,969	0,373	1	318	34,8	6,98		
149255796	PREDICTED: methyltransferase protein 21D-like [Mus musculus]	122,37	11,40	2	2	2	2				P110294; P112847	0,969	0,373	2	10,1	228	25,6	4,70	
28916687	ras-related protein Rab-5B isoform 1 [Mus musculus]	126,67	15,81	2	1	3	4	binding: protein binding	ar; membrane; nucleus	ie to stimulus; transport	PI00009; PI00025; PI00	0,969	0,373	1	215	23,7	8,13		
118026911	unconventional myosin-Ib [Mus musculus]	0,00	2,58	1	1	1	8	binding: protein binding	xtracellular; membrane	igical process; transport	PI00063; PI06017	0,970	0,378	1		1006	116,0	9,41	
84794647	LIM and senescent cell antigen-like-containing domain protein 1 is	0,00	5,64	3	2	2	6	binding: protein binding	cytoplasm; membrane	is; response to stimulus	PI00412	0,970	0,378	2	7,1	337	38,4	8,05	
122937355	serine/threonine-protein kinase MARK2 isoform 2 [Mus musculus]	60,89	1,11	6	1	1	1	binding: RNA binding	on; membrane; nucleus	is; response to stimulus	PI00069; PI02149; PI07	0,970	0,378	1		722	80,8	9,60	
225579122	Na(+)/H(+) exchange regulatory cofactor NHE-RF3 [Mus musculus]	434,53	29,48	1	14	14	23	protein binding	xtracellular; membrane	igical process; transport	PI00595	0,970	0,378	22	8,5	519	56,5	5,49	
14140240	Golgi phosphoprotein 3 [Mus musculus]	80,19	12,42	1	3	3	3	protein binding	mitochondrion; nucleus	ie to stimulus; transport	PI05719	0,970	0,378	3	8,8	298	33,7	6,44	
33468857	histidine triad nucleotide-binding protein 1 [Mus musculus]	210,79	24,60	1	5	5	10	ility: nucleotide binding	ucleus; organelle lumen	is; response to stimulus	PI01230; P111969	0,970	0,378	10	7,6	126	13,8	6,87	
281485611	transcription factor BTF3 isoform 2 [Mus musculus]	35,38	4,32	2	1	1	1	RNA binding	cytoplasm; nucleus	igical process; transport	PI01849	0,970	0,378	1		162	17,7	7,50	
160707896	serine-threonine kinase receptor-associated protein [Mus musculus]	168,69	37,43	1	10	10	12	in binding: RNA binding	s; spliceosomal complex	is; response to stimulus	PI00400	0,970	0,378	12	12,6	350	38,4	5,12	
124487163	kinesin-like protein KIF13B [Mus musculus]	27,93	4,61	1	7	7	7	binding: protein binding	cytoplasm; cytoskeleton	ion of biological process	PI00225; PI00498; PI01	0,970	0,378	7	2,6	1843	204,4	5,80	
84579893	syntaxin-17 [Mus musculus]	76,69	20,93	1	6	6	7	protein binding	mitochondrion; vacuole	ie to stimulus; transport	PI00739	0,970	0,378	7	6,2	301	33,2	6,74	
9507213	tyrosyl-DNA phosphodiesterase 2 [Mus musculus]	34,33	4,32	1	2	2	2	iding: metal ion binding	ucleus; organelle lumen	is; response to stimulus	PI03372	0,970	0,378	2	16,8	370	41,0	5,50	
31981562	pyruvate kinase, muscle isoform M2 [Mus musculus]	1883,61	62,15	3	3	30	119	in binding: RNA binding	mitochondrion; nucleus	is; response to stimulus	PI00224; PI02887	0,970	0,378	6	11,8	531	57,8	7,47	
238231439	rab GTPase-binding effector protein 1 [Mus musculus]	38,07	5,57	1	5	5	5	ing: transporter activity	ndosome; membrane	igical process; transport	PI01496; PI03528; PI09	0,970	0,378	5	11,4	862	99,5	5,01	
11230802	alpha-actinin-4 [Mus musculus]	1063,86	48,57	3	26	38	74	in binding: RNA binding	y; extracellular; nucleus	ie to stimulus; transport	PI00307; PI00435; PI08	0,970	0,378	49	13,8	912	104,9	5,41	
257467625	Fc fragment of IgG binding protein-like precursor [Mus musculus]	0,00	0,35	2	1	1	1	protein binding	membrane		PI00094; PI01826; PI08	0,970	0,378	1		2581	280,0	6,18	
7305085	glutamine-fructose-6-phosphate aminotransferase [isomerizing] 1	135,93	14,98	2	9	9	10	catalytic activity	cytoplasm; extracellular	ion of biological process	PI00310; PI01380	0,971	0,382	10	14,3	681	76,7	6,77	
61557468	uncharacterized protein KIAA1551 [Mus musculus]	34,54	1,12	1	2	2	2					0,971	0,382	2	2,5	1521	168,9	7,44	
31560737	adenylosuccinate synthetase isozyme 2 [Mus musculus]	538,81	23,90	2	14	14	28	ing: nucleotide binding	sm; cytosol; membrane	is; response to stimulus	PI00709	0,971	0,382	27	10,0	456	50,0	6,38	
21630259	vesicle transport protein USE1 isoform 1 [Mus musculus]	24,75	11,11	2	3	3	3		c reticulum; membrane	igical process; transport	PI09753	0,971	0,382	3	5,2	270	30,6	9,11	
34419622	polyadenylate-binding protein 4 isoform 1 [Mus musculus]	275,77	15,91	4	8	12	19	le binding: RNA binding	cytoplasm; nucleus		PI00076; PI00658	0,971	0,382	10	7,2	660	72,2	9,39	
21362343	thymocyte nuclear protein 1 [Mus musculus]	51,55	11,50	1	3	3	3		nucleus		PI01878	0,971	0,382	3	0,4	226	26,2	9,11	
256773220	synaptotagmin-1 isoform a [Mus musculus]	92,34	3,61	2	5	5	5	inding: protein binding	cytoplasm; membrane	ie to stimulus; transport	PI02383; PI03372; PI08	0,971	0,382	5	1,4	1607	176,2	7,72	
160707958	annexin A7 [Mus musculus]	568,83	34,56	1	17	18	44	in binding: RNA binding	ar; membrane; nucleus	is; response to stimulus	PI00191	0,971	0,382	42	18,4	463	49,9	6,18	
309265521	PREDICTED: ubiquitin-conjugating enzyme E2 E1-like [Mus musculus]	46,92	13,57	3	1	3	3	catalytic activity			PI00179	0,971	0,382	1		193	21,3	8,53	
33859590	peroxisome proliferator-activated receptor delta [Mus musculus]	74,06	1,59	1	1	1	3	gnal transducer activity	nucleus	ie to stimulus; transport	PI00104; PI00105	0,971	0,382	3	0,4	440	49,7	7,02	
189491687	diacylglycerol kinase kappa [Mus musculus]	61,12	1,79	1	2	2	2	activity: protein binding	membrane	is; response to stimulus	PI00130; PI00169; PI00	0,971	0,382	2	3,9	1118	125,9	7,33	
309267203	PREDICTED: keratin, type II cytoskeletal 78-like, partial [Mus musculus]	183,93	3,78	9	1	2	6	inding: protein binding	on; membrane; nucleus	igical process; transport	PI00038; PI01576; PI02	0,971	0,382	4	4,2	503	55,8	6,19	
17647119	short/branched chain specific acyl-CoA dehydrogenase, mitochondrion	167,75	14,12	1	6	6	10	ility: nucleotide binding	ndrion; organelle lumen	metabolic process	PI00441; PI02770; PI02	0,971	0,382	8	19,5	432	47,8	7,87	
47458823	HAUS augmin-like complex subunit 7 isoform 2 [Mus musculus]	29,39	3,23	3	1	1	1	protein binding	ucleus; organelle lumen	ion of biological process		0,972	0,386	1		248	27,8	5,27	
7110703	26S protease regulatory subunit 8 [Mus musculus]	223,15	33,00	1	11	13	16	inding: protein binding	elle lumen; proteasome	is; response to stimulus	PI00004; PI01057; PI01	0,972	0,386	13	9,1	406	45,6	7,55	
269954704	HAUS augmin-like complex subunit 4 [Mus musculus]	44,79	2,20	1	1	1	1		cytoplasm; cytoskeleton	ization and biogenesis		0,972	0,386	1		363	42,2	5,81	
205277432	E3 ubiquitin-protein ligase HECTD1 [Mus musculus]	231,56	7,74	1	21	21	24	inding: protein binding		nent; metabolic process	PI00023; PI00632; PI00	0,972	0,386	23	4,0	2610	289,0	5,36	
21312352	superkiller viralicidal activity 2-like 2 [Mus musculus]	0,00	1,73	1	1	2	2	le binding: RNA binding	y; spliceosomal complex	metabolic process	PI00270; PI04851; PI08	0,972	0,386	1		1040	117,6	6,40	
167234433	echinoderm microtubule-associated protein-like 4 isoform 3 [Mus musculus]	39,35	2,85	3	3	3	3	inding: protein binding	cytoplasm; cytoskeleton	ion of biological process	PI00440	0,972	0,386	3	9,3	876	97,4	5,96	
257471003	plasminogen precursor [Mus musculus]	87,34	10,96	1	8	8	8	activity: protein binding	xtracellular; membrane	is; response to stimulus	PI00024; PI00051; PI00	0,972	0,386	8	3,4	812	90,7	6,60	
294979201	solute carrier family 45 member 3 [Mus musculus]	44,18	3,25	1	2	2	4		membrane	transport		0,972	0,386	4	2,6	553	59,7	7,46	
18034682	minor histocompatibility antigen H13 isoform 2 [Mus musculus]	28,13	5,03	4	2	2	3	activity: protein binding	c reticulum; membrane	metabolic process	PI04258; PI06550	0,972	0,386	3	0,2	378	41,7	6,04	
407027854	F-actin-capping protein subunit beta isoform d [Mus musculus]	175,43	39,62	4	9	10	16	protein binding	xtracellular; membrane	is; response to stimulus	PI01115	0,973	0,390	14	6,3	260	29,3	6,92	
9506541	diacylglycerol kinase epsilon [Mus musculus]	26,83	1,24	1	1	1	1	ing: nucleotide binding	cytoplasm; membrane	is; response to stimulus	PI00130; PI00609; PI00	0,973	0,390	1		564	63,6	7,44	
124487127	oxosome complex exonuclease RRP42 [Mus musculus]	37,29	5,15	1	1	1	1	RNA binding	ucleus; organelle lumen	metabolic process	PI01138; PI03725	0,973	0,390	1		291	31,8	5,19	
212227117	CCR4-NOT transcription complex subunit 3 [Mus musculus]	73,20	8,12	1	7	7	8	protein binding	cytoplasm; nucleus	is; response to stimulus	PI04065; PI04153	0,973	0,390	8	6,0	751	81,9	6,20	
33563292	PHD finger protein 6 [Mus musculus]	33,97	4,40	1	2	2	2	in binding: RNA binding	ucleus; organelle lumen	ion of biological process		0,973	0,390	2		6,9	364	41,1	8,73
124249092	zona pellucida sperm-binding protein 1 precursor [Mus musculus]	1381,81	22,47	1	15	15	114		llular; Golgi; membrane	reproduction	PI00088; PI00100	0,973	0,390	97	9,6	623	68,7	6,55	
18017605	ubiquitin-conjugating enzyme E2 N [Mus musculus]	110,89	23,03	3	5	6	10	in binding: RNA binding	y; extracellular; nucleus	is; response to stimulus	PI00179	0,973	0,390	7	8,2	152	17,1	6,57	
16716341	autophagy protein 5 [Mus musculus]	147,31	20,00	1	5	5	9	protein binding	ol; membrane; vacuole	ie to stimulus; transport	PI04106	0,973	0,390	9	5,8	275	32,4	5,91	
71480098	PEST proteolytic signal-containing nuclear protein [Mus musculus]	157,97	24,72	1	4	4	5		nucleus	metabolic process		0,973	0,390	5	16,2	178	19,0	7,49	
24418919	glycogen phosphorylase, brain form [Mus musculus]	110,69	8,78	3	8	8	8	activity: protein binding	cytoplasm	metabolic process	PI00343	0,973	0,390	8	4,7	843	96,7	6,73	
13994209	wiskott-Aldrich syndrome protein family member 1 [Mus musculus]	0,00	1,43	1	1	1	1	protein binding	mbane; mitochondrion	is; response to stimulus	PI02205	0,973	0,390	1		559	61,5	6,37	
117168271	endoribonuclease Dicer [Mus musculus]	82,37	2,83	1	6	6	6	in binding: RNA binding	cytoplasm; n	is; response to stimulus	PI00270; PI00271; PI00	0,973	0,390	6	4,6	1906	215,6	5,80	
38348556	cohesin 2 [Mus musculus]	29,84	1,68	2	1	1	1					0,973	0,390	1		476	55,1	5,58	
134949013	rho-associated protein kinase 2 [Mus musculus]	0,00	1,59	1	2	2	2	ing: transporter activity	mitochondrion; nucleus	ie to stimulus; transport	PI00038; PI00069; PI00	0,973	0,390	2	17,0	1388	160,5	5,99	
21312151	charged multivesicular body protein 2a [Mus musculus]	41,45	7,66	1	2	2	2	protein binding	xtracellular; membrane		PI03357	0,973	0,390	2	7,9	222	25,1	5,97	
444299620	ubiquitin-like modifier-activating enzyme 1 isoform 2 [Mus musculus]	1091,70	26,75	2	20	27	61	in binding: RNA binding	dron; nucleus; vacuole	metabolic process	PI00899; PI02134; PI09	0,973	0,390	43	11,6	1058	117,7	5,66	
22003856	protein Hook homolog 1 [Mus musculus]	461,08	24,45	1	20	20	24	protein binding	ytoskeleton; membrane	reproduction; transport	PI04156; PI05622	0,973	0,390	23	3,7	728	84,4	5,22	
119943127	polyadenylate-binding protein-interacting protein 1 isoform 2 [Mus musculus]	219,76	18,26	2	9	9	15	ation regulator activity	cytoplasm	ion of biological process	PI02854	0,973	0,390	15	10,9	367	42,0	4,51	
77917602	ubiquitin domain-containing protein UBFD1 [Mus musculus]	261,28	14,67	1	6	6	6	in binding: RNA binding			PI00240	0,974	0,394	15	7,0	368	40,1	8,85	
27754140	vacuolar protein sorting-associated protein VTA1 homolog [Mus musculus]	64,57	20,06	1	7	7	10	protein binding	xtracellular; membrane	transport	PI04652	0,974							

160333863	tight junction protein ZO-2 isoform 2 [Mus musculus]	41.00	1.54	2	2	2	2	protein binding; m: membrane; nucleus	response to stimulus	P100595; P100625; P107	0.975	0.398	2	9.6	1167	131.2	6.79	
190883484	RAC-gamma serine/threonine-protein kinase [Mus musculus]	69.97	5.85	6	3	3	4	binding: protein binding; lgi: membrane; nucleus	ie to stimulus; transport	P100069; P100169; P100	0.975	0.398	4	10.7	479	55.7	6.02	
9790175	serine/threonine-protein phosphatase 4 catalytic subunit [Mus mus]	36.47	4.23	1	1	1	1	gnal transducer activity; on: membrane; nucleus	is: response to stimulus	P100149	0.975	0.398	1	307	35.1	5.06		
21450341	NEDB8-activating enzyme E1 regulatory subunit [Mus musculus]	57.24	7.12	1	3	3	4	binding: protein binding	membrane ion of biological process	P100899	0.975	0.398	3	8.0	534	60.2	5.52	
170650719	mast/stem cell growth factor receptor Kit isoform 2 precursor [Mu	176.51	8.21	12	8	9	11	gnal transducer activity; brane; nucleus; vacuole	ie to stimulus; transport	P100047; P100069; P107	0.975	0.398	10	7.7	975	108.9	7.11	
85861252	UBX domain-containing protein 4 [Mus musculus]	55.44	7.71	1	5	5	6	protein binding; m: membrane; nucleus	response to stimulus	P100789	0.975	0.398	6	15.6	506	56.4	6.61	
110630015	eukaryotic translation initiation factor 4 gamma 2 isoform 2 [Mus	100.03	10.94	2	10	10	10	binding: RNA binding	cytoplasm ion of biological process	P102020; P102847; P102	0.975	0.398	10	12.9	868	97.9	6.99	
15426055	coatamer subunit beta [Mus musculus]	162.77	11.33	1	12	12	13	ctural molecule activity; lasm: Golgi; membrane	transport	P101602; P107718	0.975	0.398	13	8.6	953	107.0	6.00	
19882231	mediator of RNA polymerase II transcription subunit 30 [Mus mus]	28.88	4.49	1	1	1	1	inding: receptor activity; ucleus; organelle lumen	is: response to stimulus	P111315	0.975	0.398	1	178	20.3	8.28		
270341347	zinc finger protein 57 isoform 2 [Mus musculus]	134.83	18.90	2	7	7	9	inding: protein binding; ucleus; organelle lumen	ion of biological process	P101352	0.975	0.398	8	12.1	418	47.6	9.83	
29244556	mannose-1-phosphate guanylttransferase beta [Mus musculus]	69.43	3.33	1	1	1	2	livity: nucleotide binding; toplasm: mitochondrion	metabolic process	P100132; P100483; P12	0.975	0.398	1	360	39.9	6.74		
170932536	ATP-dependent RNA helicase DDX19A [Mus musculus]	819.00	29.92	5	17	17	41	le binding: RNA binding; m: membrane; nucleus	ie to stimulus; transport	P100270; P100271	0.975	0.398	41	8.0	478	53.9	6.67	
114205428	reticulocalbin-2 isoform 1 precursor [Mus musculus]	49.14	15.63	4	4	5	7	inding: protein binding; ucleus; organelle lumen			0.975	0.398	6	18.8	320	37.2	4.42	
134031994	proteasome subunit alpha type-2 [Mus musculus]	43.81	16.67	1	4	4	5	catalytic activity; ir: nucleus; proteasome	is: response to stimulus	P100227; P110584	0.975	0.398	5	10.1	234	25.9	7.43	
240849436	nexilin [Mus musculus]	383.20	19.93	1	14	16	31	ctural molecule activity; ytoplasm: cytoskeleton	ion of biological process	P100047; P107679	0.975	0.398	28	7.2	607	72.1	5.01	
125347788	protein Shroom2 [Mus musculus]	46.10	0.74	1	1	1	1	protein binding; xtracellular; membrane	is: response to stimulus	P100595; P108687; P108	0.976	0.402	1	1487	165.2	6.70		
255308881	serine/threonine-protein phosphatase 1 regulatory subunit 10 [Mu	85.00	1.91	1	2	2	4	n binding: RNA binding; ucleus; organelle lumen	ion of biological process	P100642; P108711	0.976	0.402	4	4.4	888	94.3	9.16	
120587003	TBC1 domain family member 1 [Mus musculus]	62.15	1.46	2	2	2	2	activity: protein binding	nucleus ion of biological process	P100566; P100640; P11	0.976	0.402	2	4.0	1162	131.9	6.99	
22203753	inorganic pyrophosphatase 2, mitochondrial precursor [Mus muscu]	42.99	6.06	1	2	2	2	livity: metal ion binding; toplasm: mitochondrion	metabolic process	P100719	0.976	0.402	2	35.8	330	38.1	6.98	
13385846	MANSC domain-containing protein 1 precursor [Mus musculus]	26.10	1.45	1	1	1	1		membrane	P107502	0.976	0.402	1	414	44.8	9.11		
256773243	methylcytosine dioxygenase TET3 [Mus musculus]	26.66	0.54	1	1	1	1	iding: metal ion binding; m: membrane; nucleus	ion of biological process	P112851; P112880	0.976	0.402	1	1668	180.3	7.33		
126723461	T-complex protein 1 subunit theta [Mus musculus]	941.99	48.54	1	26	26	56	inding: protein binding; m: cytosol; extracellular	c process: reproduction	P100118	0.976	0.402	55	12.5	548	59.5	5.62	
11496255	dnal homolog subfamily A member 4 [Mus musculus]	386.15	20.91	1	9	9	21	inding: protein binding; sm: cytosol; extracellular	is: response to stimulus	P100226; P100684; P101	0.976	0.402	20	6.7	397	44.9	7.58	
227496213	uncharacterized protein LOC194227 [Mus musculus]	201.46	17.67	1	5	9	11				0.976	0.402	6	5.4	498	56.8	5.06	
41282022	calumenin isoform 2 precursor [Mus musculus]	325.03	40.32	1	1	12	29	inding: protein binding; ellular; organelle lumen	ion of biological process		0.976	0.402	1	315	37.1	4.59		
110625979	elongation factor 1-gamma [Mus musculus]	353.02	26.09	2	13	13	30	n binding: RNA binding	cytoplasm: nucleus	P100043; P100647; P102	0.976	0.402	30	8.3	437	50.0	6.74	
29293809	ATP-citrate synthase isoform 2 [Mus musculus]	285.94	11.92	2	14	14	16	inding: protein binding; mitochondrion; nucleus	metabolic process	P100043; P100549; P102	0.977	0.406	16	14.7	1091	119.7	7.44	
9789951	forkhead box protein O3 [Mus musculus]	85.77	3.13	1	2	2	2	inding: protein binding; ol: membrane; nucleus	in: response to stimulus	P100250	0.977	0.406	2	0.3	672	71.0	5.12	
13626040	A-kinase anchor protein 12 [Mus musculus]	452.18	10.04	1	16	16	26	ctural molecule activity; ytoskeleton: membrane	ie to stimulus; transport	P103832	0.977	0.406	26	5.8	1684	180.6	4.44	
153791270	laminin subunit gamma-1 precursor [Mus musculus]	0.00	0.75	1	1	1	1	ctural molecule activity; ucleus; organelle lumen	al process: reproduction	P100052; P100053; P100	0.977	0.406	1	1607	177.1	5.19		
19527068	nuclear and spindle-associated protein 1 isoform a [Mus muscu]	191.95	14.75	2	6	6	7	n binding: RNA binding; ucleus; organelle lumen	ion of biological process		0.977	0.406	7	11.2	427	48.5	9.89	
117959928	protein GNAS isoform GNASS [Mus musculus]	126.85	5.53	10	1	2	2	gnal transducer activity; lgi: membrane; nucleus	ie to stimulus; transport	P100025; P100053; P108	0.977	0.406	1	380	44.2	6.47		
27369533	nuclear pore complex protein Nup93 [Mus musculus]	182.02	15.14	1	12	12	13	ctural molecule activity; ucleus; organelle lumen	nd biogenesis; transport	P104097	0.977	0.406	13	4.3	819	93.2	5.72	
37537518	acylglycerol kinase, mitochondrial precursor [Mus musculus]	0.00	2.14	1	1	1	1	livity: nucleotide binding; mbrane: mitochondrion	is: response to stimulus	P100781	0.977	0.406	1	421	46.9	8.40		
83745139	fibronectin type-III domain-containing protein 3A [Mus musculus]	39.34	1.25	1	2	2	2	n binding: RNA binding; tosol: Golgi; membrane	elopment: reproduction	P100041	0.977	0.406	2	3.1	1198	131.9	6.64	
2726191	ubiquitin-1 isoform 2 [Mus musculus]	157.04	12.64	3	4	6	9	protein binding; n: nucleus; proteasome	is: response to stimulus	P100240; P100627; P111	0.977	0.406	7	14.9	554	58.6	4.93	
227116327	talin-1 [Mus musculus]	185.05	6.53	1	13	16	18	ctural molecule activity; xtracellular; membrane	inization and biogenesis	P100373; P101608; P102	0.977	0.406	15	16.0	2541	269.7	6.18	
169234780	condensin complex subunit 3 [Mus musculus]	79.37	4.98	1	4	4	4		cytoplasm: cytoskeleton	esis: metabolic process	P112719	0.977	0.406	4	13.6	1004	112.8	5.55
21311849	gamma-glutamylcyclotransferase [Mus musculus]	555.83	34.57	1	10	10	32	activity: protein binding; m: cytosol; extracellular	is: response to stimulus	P106094	0.978	0.410	28	12.3	188	21.2	5.67	
95772123	protein phosphatase 1 regulatory subunit 12A [Mus musculus]	108.98	5.68	1	5	5	5	activity: protein binding; cytoplasm: cytoskeleton	igical process: transport	P100023; P112796	0.978	0.410	5	16.5	1004	111.7	5.60	
148742779	sperm-associated antigen 1 [Mus musculus]	279.40	21.20	17	19	19	22	inding: protein binding; y: cytoskeleton; nucleus	c process: reproduction	P100515; P107719	0.978	0.410	20	3.3	901	100.6	5.62	
161484595	antigen-presenting glycoprotein CD1d1 precursor [Mus musculus]	37.59	8.33	2	3	3	3	protein binding; ne: membrane; vacuole	is: response to stimulus	P107654	0.978	0.410	3	14.6	336	38.6	7.49	
72384357	diphosphoinositol polyphosphate phosphohydrolase 3-alpha [Mus	0.00	4.27	3	1	1	1	livity: metal ion binding	cytoplasm	metabolic process	P100293	0.978	0.410	1	164	18.6	5.69	
27734154	ras-related protein Rab-8B [Mus musculus]	151.46	26.57	3	3	6	10	inding: protein binding; mitochondrion; nucleus	ie to stimulus; transport	P100025; P100071; P104	0.978	0.410	4	5.9	207	23.6	9.07	
6753074	AP-2 complex subunit mu [Mus musculus]	100.43	11.03	1	5	5	8	protein binding; mbrane: mitochondrion	transport	P100928	0.978	0.410	8	6.1	435	49.6	9.54	
22164792	39S ribosomal protein L12, mitochondrial precursor [Mus muscu]	99.62	16.92	1	3	3	3	ctural molecule activity; anelle lumen; ribosome	ion of biological process	P100542	0.978	0.410	3	8.4	201	21.7	9.29	
12963511	40S ribosomal protein S19 [Mus musculus]	347.97	44.83	1	9	9	15	ctural molecule activity; anelle lumen; ribosome	ie to stimulus; transport	P101090	0.978	0.410	15	9.7	145	16.1	10.40	
124486789	phosphoinositide 3-kinase regulatory subunit 4 [Mus musculus]	41.58	2.58	1	4	4	4	inding: protein binding	cytoplasm: endosome	metabolic process	P100069; P100400	0.978	0.410	4	3.0	1358	152.5	7.12
148747558	peroxiredoxin-2 [Mus musculus]	932.08	39.39	1	8	8	55	activity: protein binding; cellular; mitochondrion	is: response to stimulus	P100578; P108534; P110	0.978	0.410	54	8.2	198	21.8	5.41	
356995862	epsin-1 [Mus musculus]	35.01	3.48	1	2	2	2	protein binding; m: membrane; nucleus	ie to stimulus; transport	P101417	0.978	0.410	2	0.2	575	60.2	4.81	
347543745	DNA cross-link repair 1A protein [Mus musculus]	33.19	1.43	1	1	1	1	catalytic activity; ucleus; organelle lumen	is: response to stimulus	P100753; P107522; P112	0.978	0.410	1	1047	116.1	8.32		
84871986	glutathione peroxidase 1 [Mus musculus]	78.45	9.95	1	2	2	2	activity: protein binding	mitochondrion; nucleus	is: response to stimulus	P100255	0.978	0.410	2	9.7	201	22.3	7.21
87196345	uncharacterized protein C18orf25 homolog [Mus musculus]	65.10	5.76	1	2	2	2				0.978	0.410	2	12.1	399	42.8	4.96	
91922791	E3 ubiquitin-protein ligase TRIP12 [Mus musculus]	76.32	3.80	2	6	7	7	activity: protein binding; ucleus; organelle lumen	is: response to stimulus	P100632; P102825	0.978	0.410	6	11.3	2025	224.0	8.35	
282847321	5'-AMP-activated protein kinase subunit gamma-2 isoform 3 [Mus	50.52	3.07	4	1	1	1	inding: protein binding	extracellular	is: response to stimulus	P100478; P100571	0.979	0.414	1	326	37.3	6.47	
30841037	oocyte specific homeobox 1 [Mus musculus]	236.99	39.71	1	4	8	22		nucleus ion of biological process		0.979	0.414	12	14.6	204	22.9	9.41	
9055524	src kinase-associated phosphoprotein 2 [Mus musculus]	38.58	2.79	1	1	1	1	protein binding; m: membrane; nucleus	ion of biological process	P100118; P100169; P107	0.979	0.414	1	358	40.7	4.70		
188219644	dnal homolog subfamily B member 6 isoform d [Mus musculus]	180.03	22.41	5	5	5	9	activity: protein binding; plasm: cytosol; nucleus	ion of biological process	P100226	0.979	0.414	9	7.5	241	26.8	8.25	
347582639	BRIS complex subunit Abro1 [Mus musculus]	46.46	8.02	1	3	3	3	protein binding; m: membrane; nucleus	response to stimulus	P100261; P110234	0.979	0.414	3	0.2	424	47.9	5.94	
112181194	serine/threonine-protein kinase PAK 1 [Mus musculus]	153.65	11.21	6	6	7	7	inding: protein binding; lgi: membrane; nucleus	ie to stimulus; transport	P100069; P100786; P107	0.979	0.414	6	2.5	544	60.6	5.86	
255069795	valine--tRNA ligase [Mus musculus]	82.68	3.96	13	5	5	5	inding: protein binding; toplasm: mitochondrion	ion of biological process	P100043; P100133; P108	0.979	0.414	4	7.6	1263	140.1	7.77	
31542814	leukotrien precursor [Mus musculus]	25.55	4.63	1	2	2	2	protein binding; yskeleton: extracellular	is: response to stimulus	P100147; P102994; P103	0.979	0.414	2	9.7	432	48.9	7.25	
30794464	prs-mRNA-splicing factor 3B8 [Mus musculus]	21.95	1.29	1	1	1	1	RNA binding	spliceosomal complex	metabolic process	P103371	0.979	0.414	1	542	63.7	10.54	
126518317	complement C3 precursor [Mus musculus]	193.41	7.10	3	12	12	14	activity: protein binding	extracellular	ie to stimulus; transport	P100207; P101759; P101	0.979	0.414	10	6.1	1663	186.4	6.73
254540218	mitochondrial inner membrane protein COX18 isoform 2 [Mus mus	46.57	2.72	2	1	1	1	transporter activity; mbrane: mitochondrion	nd biogenesis; transport	P102096	0.979	0.414	1	331	36.3	9.73		
50053824	early endosome antigen 1 [Mus musculus]	2178.64	45.07	1	64	66	110	inding: protein binding; xtracellular; membrane	nd biogenesis; transport	P101363; P107888; P109	0.979	0.414	107	9.0	1411	160.8	5.77	
7106259	bone morphogenetic protein 15 precursor [Mus musculus]	83.03	18.88	1	7	7	9	protein binding; cytoplasm: extracellular	al process: reproduction	P100019	0.979	0.414	8	7.1	392	44.9	9.00	
160420299	probable ATP-dependent RNA helicase DDX46 [Mus musculus]	159.37	9.41	1	10	10	11	le binding: RNA binding; ucleus; organelle lumen	metabolic process	P100270; P100271	0.980	0.418						

198278441	oxysterol-binding protein-related protein 9 isoform c [Mus musculus]	44,19	6,39	3	4	4	4	some: Golgi; membrane	transport	Pf01237	0,980	0,418	4	1,3	626	70,1	6,05	
7305631	vacuolar protein sorting-associated protein 45 [Mus musculus]	54,40	4,39	1	3	3	4	protein binding some: Golgi; membrane	transport	Pf00095	0,980	0,418	3	9,4	570	65,0	8,25	
8567402	serine/arginine-rich splicing factor 3 [Mus musculus]	65,05	13,41	2	1	2	3	in binding: RNA binding ucleus: organelle lumen ie	to stimulus; transport	Pf00076	0,980	0,418	2	0,3	164	19,3	11,65	
6756053	zinc finger protein ZPR1 [Mus musculus]	108,94	12,85	1	6	6	7	binding: protein binding ucleus: organelle lumen ie	to stimulus; transport	Pf03367	0,980	0,418	7	3,3	459	50,7	4,78	
24418876	protein FAM210A [Mus musculus]	21,10	2,56	1	1	1	1	mbane: mitochondrion		Pf06916	0,980	0,418	1	273	31,6	9,82		
226958422	protein kinase C and casein kinase substrate in neurons protein 2	336,22	19,14	2	11	11	17	activity: protein binding lgi: membrane: nucleus ie	to stimulus; transport	Pf00018: Pf00611: Pf07	0,980	0,418	17	11,6	486	55,8	5,20	
7110709	6-pyruvoyl tetrahydrobiopterin synthase [Mus musculus]	46,98	6,25	1	1	1	1	binding: protein binding toplasm: mitochondrion	metabolic process	Pf01242	0,980	0,418	1	144	16,2	6,52		
214010153	acylamino-acid-releasing enzyme [Mus musculus]	814,79	21,99	1	14	14	40	in binding: RNA binding ar: membrane: nucleus ie	metabolic process	Pf00326: Pf00561: Pf01	0,980	0,418	39	12,4	732	81,5	5,59	
254281313	AP-3 complex subunit mu-1 [Mus musculus]	107,70	6,22	2	3	3	3	protein binding lgi: membrane: vacuole nt movement; transport		Pf00928: Pf01217	0,981	0,422	3	11,9	418	46,9	6,93	
13385196	ER membrane protein complex subunit 2 [Mus musculus]	0,00	4,04	1	1	1	1	protein binding mitochondrion: nucleus			0,981	0,422	1	297	34,9	6,81		
300797601	U6 snRNA-associated Sm-like protein LSM6 [Mus musculus]	72,38	26,25	2	2	2	3	in binding: RNA binding i: spliceosomal complex	metabolic process	Pf01423	0,981	0,422	3	8,8	80	9,1	9,58	
6756037	14-3-3 protein eta [Mus musculus]	585,07	39,02	1	7	12	39	protein binding xtracellular: membrane ie	to stimulus; transport	Pf00244	0,981	0,422	11	6,9	246	28,2	4,89	
158186704	heterogeneous nuclear ribonucleoprotein M isoform b [Mus muscu]	177,02	20,43	2	15	15	19	in binding: RNA binding i: spliceosomal complex	metabolic process	Pf00076: Pf11532: Pf11	0,981	0,422	19	13,2	690	73,7	8,75	
6755364	activated RNA polymerase II transcriptional coactivator p15 [Mus i	170,75	43,31	1	7	7	21	IA binding: RNA binding ucleus: organelle lumen ion	ion of biological process	Pf02229	0,981	0,422	20	8,4	127	14,4	9,60	
170172546	WD repeat-containing protein 47 [Mus musculus]	34,01	0,76	1	1	1	1	protein binding cytoplasm: cytoskeleton	development	Pf00400	0,981	0,422	1	920	102,2	5,97		
6677975	transformer-2 protein homolog beta [Mus musculus]	50,90	5,90	1	2	2	2	ie binding: RNA binding ucleus: nucleus ion of biological process		Pf00076: Pf08777	0,981	0,422	2	11,7	288	33,6	11,25	
22122591	UBX domain-containing protein 1 [Mus musculus]	39,76	6,40	1	2	2	2	protein binding e: nucleus: proteasome ion of biological process		Pf00627: Pf00789	0,981	0,422	2	1,6	297	33,6	5,26	
21311899	coiled-coil domain-containing protein 97 [Mus musculus]	37,44	2,94	1	1	1	1			Pf09747	0,981	0,422	1	340	38,7	4,60		
67906177	protein transport protein Sec23A [Mus musculus]	115,18	14,77	1	10	10	15	binding: protein binding ulum: Golgi; membrane	transport	Pf00626: Pf04810: Pf04	0,981	0,422	13	8,2	765	86,1	7,08	
281182477	dynein light chain 2, cytoplasmic [Mus musculus]	180,12	32,58	1	3	5	15	activity: protein binding i: cytoskeleton: nucleus iolic process; transport		Pf01221	0,981	0,422	8	2,9	89	10,3	7,37	
13399310	40S ribosomal protein S10 [Mus musculus]	178,05	24,24	1	5	6	14	ctural molecule activity janelle lumen: ribosome inization and biogenesis		Pf03501	0,981	0,422	13	8,2	165	18,9	10,15	
314122205	serine/threonine-protein kinase TAO3 [Mus musculus]	0,00	1,11	1	1	1	2	ility: nucleotide binding mbane: mitochondrion is: response to stimulus		Pf00069: Pf07714: Pf09	0,982	0,426	2	0,2	898	105,3	7,36	
22122695	aminoacyl tRNA synthase complex-interacting multifunctional prot	84,32	20,36	1	1	5	6	protein binding cytoplasm: nucleus ion of biological process		Pf00043	0,982	0,426	1	280	31,1	7,46		
6755376	40S ribosomal protein S7 [Mus musculus]	70,10	13,92	1	4	4	6	ctural molecule activity janelle lumen: ribosome nent; metabolic process		Pf01251	0,982	0,426	6	10,3	194	22,1	10,10	
171460954	ubiquitin-like protein 7 [Mus musculus]	0,00	2,37	1	1	1	1	protein binding		Pf00240	0,982	0,426	1	380	40,4	5,01		
254580052	protein tweety homolog 3 [Mus musculus]	43,21	3,63	1	2	2	2	transporter activity xtracellular: membrane	transport	Pf04906: Pf05478	0,982	0,426	2	8,0	524	57,7	5,85	
19882201	26S proteasome non-ATPase regulatory subunit 2 [Mus musculus]	367,82	17,95	1	15	15	20	activity: protein binding ttracellular: proteasome ion of biological process		Pf01851	0,982	0,426	20	10,1	908	100,1	5,17	
28395018	junction plakoglobin [Mus musculus]	49,30	7,11	1	4	5	7	ctural molecule activity lar: membrane: nucleus ie	to stimulus; transport	Pf00514	0,982	0,426	6	17,9	745	81,7	6,14	
254587977	DNA polymerase delta catalytic subunit [Mus musculus]	40,51	1,00	1	1	1	1	ing: nucleotide binding ucleus: organelle lumen is: response to stimulus		Pf00136: Pf03104	0,983	0,430	1	1105	123,7	7,61		
34536815	serine/threonine-protein phosphatase 6 regulatory subunit 1 [Mus	39,04	2,45	1	2	2	2	protein binding cytoplasm: nucleus ion of biological process		Pf04499	0,983	0,430	2	4,9	856	94,5	4,64	
133778978	cation-independent mannose-6-phosphate receptor precursor [Mu	70,63	1,65	1	4	4	4	ity: transporter activity brane: nucleus: vacuole ie	to stimulus; transport	Pf00040: Pf00878: Pf02	0,983	0,430	4	7,4	2483	273,6	5,71	
16716467	sialic acid synthase [Mus musculus]	154,63	22,56	1	8	8	12	catalytic activity cytoplasm: cytosol	metabolic process	Pf03102: Pf08666	0,983	0,430	11	6,0	359	40,0	7,06	
125628629	eukaryotic translation initiation factor 3 subunit D [Mus musculus]	36,26	4,20	1	2	2	3	RNA binding cytoplasm: nucleus ion of biological process		Pf05091	0,983	0,430	3	4,5	548	63,9	6,05	
19527168	PC4 and SFRS1-interacting protein [Mus musculus]	39,40	6,06	3	2	3	4	in binding: RNA binding ucleus: organelle lumen is: response to stimulus		Pf00855: Pf11467	0,983	0,430	2	30,5	528	59,7	9,13	
30519921	39S ribosomal protein L50, mitochondrial [Mus musculus]	28,91	8,18	1	1	1	1	itochondrion: ribosome		Pf10501	0,983	0,430	1	159	18,2	9,33		
6754910	nuclear migration protein nDC [Mus musculus]	1175,57	43,98	2	20	21	68	protein binding skeleton: Golgi: nucleus inization and biogenesis		Pf04969	0,983	0,430	63	6,9	332	38,3	5,26	
6755566	Na(+)/H(+) exchange regulatory cofactor NHE-RF1 [Mus muscu]	19,65	5,35	1	2	2	2	ctural molecule activity xtracellular: membrane ie	to stimulus; transport	Pf00595: Pf09007	0,983	0,430	2	1,2	355	38,6	5,90	
13386338	ras-related protein Rap-2b precursor [Mus musculus]	0,00	8,74	1	1	1	1	ing: transporter activity xtracellular: membrane ie	to stimulus; transport	Pf00009: Pf00071: Pf02	0,983	0,430	1	183	20,5	4,81		
85662406	CAP-Gly domain-containing linker protein 2 isoform b [Mus muscu]	184,15	6,92	5	4	7	9	activity: protein binding cytoplasm: cytoskeleton		Pf01302: Pf01576: Pf08	0,983	0,430	4	3,3	1012	111,8	6,55	
170650634	NAD-dependent protein deacetylase sirtuin-2 isoform 3 [Mus musc]	60,04	3,76	3	1	1	1	binding: protein binding ucleus: organelle lumen is: response to stimulus		Pf02146	0,983	0,430	1	319	35,7	7,03		
31980844	dehydrogenase/reductase SDR family member 1 [Mus musculus]	100,18	24,92	1	7	7	7	ility: nucleotide binding mbane: mitochondrion	metabolic process	Pf00106: Pf08659	0,983	0,430	8	8,2	313	40,0	8,35	
157364966	OTU domain-containing protein 68 [Mus musculus]	31,42	5,54	2	2	2	3	catalytic activity	metabolic process	Pf02338: Pf10275	0,983	0,430	1	325	37,2	5,78		
9506971	profilin-2 [Mus musculus]	112,12	29,29	1	4	4	5	inding: protein binding skeleton: extracellular ical process; transport		Pf00235	0,983	0,430	5	2,1	140	15,0	6,99	
148747410	costamer subunit delta [Mus musculus]	415,58	29,35	1	15	15	25	in binding: RNA binding ulum: Golgi; membrane ie	to stimulus; transport	Pf00928	0,983	0,430	24	11,4	511	57,2	6,21	
62909983	cleavage and polyadenylation specificity factor subunit 6 [Mus mus]	53,07	2,36	1	1	1	1	ie binding: RNA binding ucleus: organelle lumen esis; metabolic process		Pf00076	0,983	0,430	1	551	59,1	7,15		
148539588	F-box and WD-40 domain protein 22 [Mus musculus]	188,13	17,60	1	3	9	18	protein binding		Pf00646: Pf12937	0,984	0,434	3	11,2	466	54,0	7,50	
29544881	tumor necrosis factor alpha-induced protein 8 isoform 2 [Mus mus	34,69	7,98	4	2	2	2	zyme regulator activity cytoplasm is: response to stimulus		Pf05527	0,984	0,434	1	188	21,8	8,75		
110625712	DNL-type zinc finger protein isoform 1 [Mus musculus]	45,86	5,08	1	1	1	1	metal ion binding toplasm: mitochondrion		Pf05180	0,984	0,434	1	177	19,4	9,48		
254540027	malate dehydrogenase, cytoplasmic [Mus musculus]	397,90	34,13	1	12	12	19	ility: nucleotide binding ocular: mitochondrion	metabolic process	Pf00056: Pf02866	0,984	0,434	19	6,0	334	36,5	6,58	
21312256	m7GpppX diphosphatase [Mus musculus]	54,94	5,33	1	2	2	2	lic activity: RNA binding mitochondrion: nucleus is: response to stimulus		Pf05652: Pf11969	0,984	0,434	2	10,3	338	39,0	6,48	
13384904	28S ribosomal protein S22, mitochondrial [Mus musculus]	81,92	5,29	1	2	2	2	ctural molecule activity janelle lumen: ribosome		Pf10245	0,984	0,434	2	14,4	359	41,2	8,56	
6679591	ras-related protein Rab-24 [Mus musculus]	37,30	4,43	1	1	1	1	binding: protein binding mitochondrion: vacuole ie	to stimulus; transport	Pf00025: Pf00071: Pf08	0,984	0,434	1	203	23,1	6,23		
109891942	disks large-associated protein 4 isoform c [Mus musculus]	87,95	16,49	5	5	5	8	protein binding membrane	cell communication	Pf03359	0,984	0,434	8	285	31,6	5,87		
209862992	dihydropyrimidine-related protein 3 isoform 1 [Mus musculus]	69,11	4,75	4	1	2	2	activity: protein binding n: cytosol: extracellular ion of biological process		Pf01979: Pf04909	0,985	0,438	1	568	61,7	6,49		
40795674	probable phospholipid-transporting ATPase 1IA [Mus musculus]	70,25	2,48	1	3	3	3	ing: transporter activity some: Golgi; membrane iolic process; transport		Pf00122: Pf00702	0,985	0,438	3	12,3	1047	118,5	7,69	
31542399	probable cytosolic iron-sulfur protein assembly protein CIAO1 [Mu	98,67	19,47	1	5	5	6	protein binding n: cytoskeleton: cytosol ion of biological process		Pf00400: Pf08662	0,985	0,438	6	5,3	339	37,6	4,88	
20452462	tetrapeptide repeat protein 1 [Mus musculus]	80,96	14,38	1	4	4	6	protein binding cytoplasm: membrane		Pf00515	0,985	0,438	6	10,6	292	33,2	5,01	
40807347	polyadenylate-binding protein-interacting protein 28 [Mus muscu]	69,88	11,03	1	1	2	4	lation regulator activity ion of biological process		Pf07145	0,985	0,438	3	4,9	136	15,5	4,32	
133922575	nDC domain-containing protein 2 [Mus musculus]	56,65	13,38	1	2	2	2	cytoplasm: cytoskeleton		Pf04969	0,985	0,438	2	9,1	157	17,6	5,07	
33563282	proteasome subunit alpha type-1 [Mus musculus]	280,36	37,26	1	9	9	15	activity: protein binding r: nucleus: proteasome is: response to stimulus		Pf00227: Pf10584	0,985	0,438	15	4,9	263	29,5	6,46	
29611667	pleckstrin homology domain-containing family F member 2 [Mus n	51,71	7,63	2	2	2	2	binding: protein binding endosome: membrane	transport	Pf00169: Pf01363	0,985	0,438	2	0,8	249	27,7	8,21	
163937863	myotubularin-related protein 14 [Mus musculus]	1001,11	26,54	2	18	18	55	gnal transducer activity cytoplasm	metabolic process		0,985	0,438	50	12,0	468	72,4	6,76	
6680604	keratin, type I cytoskeletal 16 [Mus musculus]	97,00	11,51	13	2	7	12	ity: transporter activity ar: membrane: nucleus ical process; transport		Pf00038: Pf01496	0,985	0,438	2	4,9	469	51,6	5,20	
679061729	fermitin family homolog 2 [Mus musculus]	110,49	8,09	1	5	5	5	protein binding on: membrane: nucleus is: response to stimulus		Pf00169: Pf00373	0,985	0,438	5	5	2,6	680	77,8	6,70
54607074	lysine-specific demethylase 2B isoform 3 [Mus musculus]	432,63	17,11	3	22	22	38	n binding: RNA binding membrane	metabolic process	Pf00046: Pf02008: Pf02	0,985	0,438	36	10,3	1303	149,0	8,37	
30519896	abhydrolase domain-containing protein 16A [Mus musculus]	42,08	6,99	1	3	3	3	catalytic activity	metabolic process	Pf00561: Pf12695: Pf12	0,985	0,438	3	23,1	558	63,0	8,25	
88853578	AP-1 complex subunit beta-1 isoform 2 [Mus musculus]	448,96	17,18	3	6	19	29	ing: transporter activity lasm: Golgi; membrane d biogenesis; transport		Pf01662: Pf02883: Pf09	0,985	0,438	10	4,9	943	103,9	5,17	
115334671	4-trimethylaminobutylaldehyde dehydrogenase precursor [Mus m	1341,35	37,45	1	19	19	63	inding: protein binding mbane: mitochondrion nt; metabolic process		Pf00171	0,985	0,438	60	6,8	518	55,9	7,46	
9799985	isovaleryl-CoA dehydrogenase, mitochondrial precursor [Mus musc]	108,06	11,79	1	5	5	5	ility: nucleotide binding ndrion: organelle lumen	metabolic process	Pf00441: Pf02770: Pf02	0,986	0,443	5	1,2	424	46,3	8,29	
208609941	receptor-type tyrosine-protein phosphatase eta isoform 2 [Mus m	34,56	0,69	2	1	1	1	activity: protein binding xtracellular: membrane is: response to stimulus		Pf00041: Pf00102: Pf00	0,986	0,44						

167900448	sec1 family domain-containing protein 2 isoform a [Mus musculus]	150.04	9.80	2	5	5	5	transport	P100995	0.987	0.447	5	3.9	684	74.7	6.81	
41152116	leucine-rich repeat-containing protein 47 [Mus musculus]	291.68	23.92	1	13	13	19 in binding: RNA binding	metabolic process	P103483: P112799	0.987	0.447	18	9.3	581	63.6	8.10	
31541824	eukaryotic translation initiation factor 1A, X-chromosomal [Mus musculus]	150.58	34.03	13	5	5	12 RNA binding	metabolic process	P101176	0.987	0.447	11	10.3	144	16.5	5.24	
164698506	vacuolar protein sorting-associated protein 4B [Mus musculus]	91.24	14.19	2	2	7	7 in binding: RNA binding	brane; nucleus: vacuole	ie to stimulus; transport	P100004: P100910: P101	0.987	0.447	2	4.5	444	49.4	7.11
6678225	tubulin-specific chaperone A [Mus musculus]	177.98	37.04	1	7	7	17 in binding: RNA binding	ucleus: organelle lumen	ization and biogenesis	P102970	0.987	0.447	17	10.2	108	12.7	5.27
161353515	ran-binding protein 9 [Mus musculus]	46.41	2.68	1	2	2	2 protein binding	i; cytoskeleton: nucleus		P100622: P108513: P110	0.987	0.447	2	0.8	710	75.7	6.86
23956326	DOB1- and CUL4-associated factor 8 [Mus musculus]	402.09	18.44	2	12	12	18 protein binding	metabolic process	P100400	0.987	0.447	18	9.8	591	66.0	5.87	
112983656	insulin-like growth factor 1 receptor precursor [Mus musculus]	0.00	0.95	1	1	1	1 gna1 transducer activity	membrane in;	response to stimulus	P100041: P100069: P100	0.987	0.447	1	1369	155.2	5.83	
168480120	rapamycin-insensitive companion of mTOR [Mus musculus]	122.22	2.75	1	5	5	5 protein binding	is; response to stimulus	P108167	0.987	0.447	5	7.8	1708	191.4	7.23	
6755372	40S ribosomal protein S3 [Mus musculus]	329.84	43.62	1	12	12	19 ictural molecule activity	ane; nucleus: ribosome	is; response to stimulus	P100189: P107650	0.987	0.447	19	4.7	243	26.7	9.66
311893360	dynactin subunit 1 [Mus musculus]	249.38	11.22	8	13	14	18 activity: protein binding	ytoskeleton: membrane	nt movement; transport	P101302: P103961: P105	0.987	0.447	14	10.7	1239	136.8	5.45
254588045	liprin-beta-2 isoform 1 [Mus musculus]	83.12	3.63	4	3	3	4 binding: protein binding	extracellular	metabolic process	P100536: P102920: P107	0.987	0.447	4	5.4	882	98.6	6.27
33859640	transaldolase [Mus musculus]	373.51	24.63	1	8	8	15 catalytic activity	i; extracellular; nucleus	metabolic process	P100923	0.987	0.447	15	13.5	337	37.4	7.03
7242171	proliferating cell nuclear antigen [Mus musculus]	297.54	31.03	1	8	8	13 activity: protein binding	ucleus: organelle lumen	is; response to stimulus	P100705: P102747	0.987	0.447	12	3.6	261	28.8	4.77
126506304	CLIP-associating protein 2 isoform a [Mus musculus]	0.00	0.54	3	1	1	1 protein binding	leton: Golgi; membrane	al process; reproduction	P112348	0.987	0.447	1	1286	140.6	8.63	
9055218	pre-mRNA-processing factor 40 homolog A [Mus musculus]	36.27	2.73	1	3	3	3 in binding: RNA binding	ucleus: organelle lumen	ion of biological process	P100397: P101846: P110	0.988	0.451	3	6.6	953	108.4	7.69
269308207	uncharacterized protein LOC52372 isoform b [Mus musculus]	97.53	9.72	2	3	3	5				0.988	0.451	5	16.6	463	46.8	11.44
172088095	RNA polymerase II subunit A C-terminal domain phosphatase SSU	83.07	17.01	1	3	3	4 catalytic activity	cytoplasm; nucleus	ion of biological process	P104722	0.988	0.451	4	4.9	194	22.5	5.21
229608928	Golgi resident protein GCP60 [Mus musculus]	175.80	12.19	1	7	7	13 mbane; mitochondrion	ibolic process; transport	P100887	0.988	0.451	13	4.2	525	60.1	5.05	
6755911	thioredoxin [Mus musculus]	269.74	31.43	1	4	4	8 in binding: RNA binding	mitochondrion; nucleus	ie to stimulus; transport	P100085	0.988	0.451	7	21.4	105	11.7	4.92
34328158	protein Wnt-6 precursor [Mus musculus]	61.04	10.16	1	3	3	3 protein binding	brane; organelle lumen	is; response to stimulus	P100110	0.988	0.451	3	9.7	364	39.6	8.66
339895909	adenosine kinase isoform 2 [Mus musculus]	303.22	44.93	2	15	15	22 ke binding: RNA binding	iplasm; cytosol	is; response to stimulus	P100294	0.988	0.451	21	10.1	345	38.4	6.04
31541819	ras-related GTP-binding protein A [Mus musculus]	26.07	2.24	2	1	1	1 binding: protein binding	brane; nucleus: vacuole	is; response to stimulus	P100025: P100071: P104	0.988	0.451	1	313	313	36.5	7.72
472339081	peroxisomal biogenesis factor 5 isoform 2 [Mus musculus]	88.71	11.13	2	6	6	6 protein binding	ndrion: organelle lumen	ical process; transport	P100515	0.988	0.451	6	5.3	602	66.8	4.55
124487099	heterogeneous nuclear ribonucleoprotein U-like protein 2 [Mus musculus]	134.64	9.53	1	7	7	10 in binding: RNA binding	nucleus		P100622: P102037: P108	0.988	0.451	9	12.5	745	84.9	4.89
27804321	ubiquitin-protein ligase E3A isoform 1 [Mus musculus]	59.58	7.35	3	5	5	5 activity: protein binding	i; nucleus: proteasome	ie to stimulus; transport	P100632	0.988	0.451	5	5.4	762	87.6	4.96
228008301	ZAR1-like protein [Mus musculus]	50.21	3.44	1	1	1	1 protein binding	cytoplasm			0.988	0.451	1	291	33.7	8.82	
124053459	unconventional myosin-Ixb isoform 3 [Mus musculus]	0.00	0.46	3	1	1	1 binding: protein binding	cytoplasm; cytoskeleton	is; response to stimulus	P100063: P100130: P100	0.988	0.451	1	1961	222.3	8.40	
23956110	U2 small nuclear ribonucleoprotein B" [Mus musculus]	82.90	12.00	2	3	3	3 in binding: RNA binding	is; spliceosomal complex	metabolic process	P100076	0.988	0.451	3	16.8	255	25.3	9.72
28076935	dynactin subunit 2 isoform 3 [Mus musculus]	346.91	33.08	3	12	12	14 activity: protein binding	xtacellular; membrane	ibolic process; transport	P104912	0.988	0.451	14	6.6	402	44.1	5.26
210147541	CCR4-NOT transcription complex subunit 2 isoform b [Mus musculus]	63.01	9.82	3	5	5	5 activity: protein binding	sm; membrane; nucleus	is; response to stimulus	P104153	0.988	0.451	5	3.2	499	54.9	8.22
407264321	PREDICTED: eukaryotic translation initiation factor 1-like [Mus musculus]	170.70	28.70	6	3	3	5 RNA binding	metabolic process	P101253	0.988	0.451	5	5.5	108	12.2	6.30	
6753490	COP9 signalosome complex subunit 4 [Mus musculus]	436.48	47.29	1	18	18	29 protein binding	cytoplasm; nucleus	metabolic process	P100139: P105470	0.989	0.455	27	19.9	399	46.3	5.83
153792534	E3 SUMO-protein ligase RanBP2 [Mus musculus]	119.77	2.88	1	9	10	10 in binding: RNA binding	mitochondrion; nucleus	ical process; transport	P100160: P100515: P100	0.989	0.455	9	6.2	3053	340.9	6.18
237820660	E3 ubiquitin-protein ligase UBR4 [Mus musculus]	475.23	7.74	2	38	39	44 binding: protein binding	on; membrane; nucleus	metabolic process	P102207	0.989	0.455	40	7.1	5180	571.9	6.06
257196264	nucleotide exchange factor SIL1 precursor [Mus musculus]	78.90	6.24	1	2	2	3	ulum; organelle lumen	transport		0.989	0.455	3	0.2	465	52.4	5.27
124244037	cyclin-dependent kinase-like 5 [Mus musculus]	67.17	3.84	1	1	2	2 binding: protein binding	sm; membrane; nucleus	ion of biological process	P100069: P107714	0.989	0.455	1	938	105.4	9.58	
93004085	pericentrin [Mus musculus]	85.87	0.86	1	2	3	4 protein binding	mbane; mitochondrion	ion of biological process	P102463: P105557: P109	0.989	0.455	2	15.4	2916	331.1	5.38
326368217	receptor expression-enhancing protein 6 isoform 2 [Mus musculus]	27.78	13.22	2	2	2	2 protein binding	membrane; nucleus		P103134	0.989	0.455	2	5.2	174	19.4	7.87
140972011	NACHT, LRR and PYD domains-containing protein 4F [Mus musculus]	1596.71	25.40	1	18	30	98 nucleotide binding	is; response to stimulus	P102758: P105729	0.989	0.455	57	8.5	937	107.8	6.84	
22203755	eukaryotic translation initiation factor 3 subunit C [Mus musculus]	168.42	8.56	1	7	7	8 in binding: RNA binding	cytoplasm	ion of biological process	P101399: P105470	0.989	0.455	8	8.9	911	105.5	5.78
31981178	peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagine amidase [Mus musculus]	58.72	7.22	1	4	4	4 binding: protein binding	cytoplasm; nucleus	is; response to stimulus	P101841: P103835: P104	0.989	0.455	4	6.8	651	74.2	6.89
21312048	M-phase phosphoprotein 6 [Mus musculus]	70.33	21.74	1	4	4	8 RNA binding	ucleus: organelle lumen	metabolic process	P101075	0.989	0.455	7	5.5	161	19.1	5.30
285402638	ribonuclease inhibitor isoform a [Mus musculus]	161.64	21.71	2	8	8	9zyme regulator activity	cytoplasm; extracellular	ion of biological process		0.989	0.455	9	6.5	456	49.8	4.78
33563260	arf-GAP domain and FG repeat-containing protein 1 [Mus musculus]	48.28	11.27	3	6	6	7 livity: metal ion binding	toplasm; Golgi; nucleus	reproduction; transport	P101412	0.989	0.455	7	22.7	559	57.9	8.63
45597447	superoxide dismutase [Cu-Zn] [Mus musculus]	863.82	45.45	1	6	6	31 binding: protein binding	mitochondrion; nucleus	ie to stimulus; transport	P100080	0.989	0.455	31	8.0	154	15.9	6.51
256000794	tropomyosin alpha-1 chain isoform 9 [Mus musculus]	171.82	26.69	10	1	9	16 ictural molecule activity	ytoskeleton; membrane	is; response to stimulus	P100261: P112718	0.989	0.455	1	281	32.5	4.77	
7906453	pre-mRNA-splicing factor SPF27 [Mus musculus]	47.61	14.67	1	3	3	3 i; spliceosomal complex	metabolic process	P105700	0.989	0.455	3	6.4	225	26.1	5.66	
50980303	28S ribosomal protein S27, mitochondrial [Mus musculus]	33.03	6.02	1	2	2	2 mitochondrion; ribosome			P110037	0.989	0.455	2	13.7	415	47.7	5.50
30794164	clathrin light chain B [Mus musculus]	230.34	31.75	1	10	10	15 ictural molecule activity	lasm; Golgi; membrane	transport	P101086	0.989	0.455	15	5.1	211	23.2	4.68
13385532	profilin subunit 1 [Mus musculus]	198.39	30.33	1	5	5	12 protein binding	ment; metabolic process	P101920	0.989	0.455	12	3.4	122	14.2	6.81	
31982273	peroxisomal multifunctional enzyme type 2 [Mus musculus]	399.63	23.81	1	16	16	26 binding: protein binding	mbane; mitochondrion	c process; reproduction	P100106: P101575: P102	0.990	0.459	26	13.8	735	79.4	8.57
189491684	dmx-like protein 2 [Mus musculus]	0.00	0.43	1	1	1	2 protein binding	xtacellular; membrane		P100140: P112234	0.990	0.459	2	8.5	3054	340.5	6.40
166157896	polyadenylate-binding protein 1-like [Mus musculus]	754.43	28.17	1	15	17	38 ke binding: RNA binding	ucleus: organelle lumen	c process; reproduction	P100076: P100658	0.990	0.459	33	11.3	607	67.4	8.51
33468927	DNA polymerase epsilon subunit 2 [Mus musculus]	0.00	1.33	1	1	1	1 ic activity: DNA binding	ucleus; organelle lumen	metabolic process	P104042: P112213	0.990	0.459	1	527	59.3	6.25	
165972321	LEM domain-containing protein 2 [Mus musculus]	0.00	1.57	1	1	1	1 membrane; nucleus	is; response to stimulus	P103020: P109402	0.990	0.459	1	111	57.5	9.01		
13385044	60S ribosomal protein L35 [Mus musculus]	124.33	36.59	1	6	6	8 ictural molecule activity	lasm; cytosol; ribosome	metabolic process	P100831	0.990	0.459	8	14.9	123	14.5	11.05
357394934	non-POU domain-containing octamer-binding protein [Mus musculus]	123.62	18.82	10	10	11	12 in binding: RNA binding	ucleus: organelle lumen	is; response to stimulus	P100076: P108075	0.990	0.459	11	11.1	473	54.5	8.95
34147169	zinc finger protein 598 [Mus musculus]	37.61	2.31	1	2	2	2 in binding: RNA binding				0.990	0.459	2	1.0	908	99.1	8.34
22507367	oxysterol-binding protein-related protein 10 [Mus musculus]	23.93	2.03	1	1	1	1	transport		P101237	0.990	0.459	1	591	65.8	7.39	
262118273	arginine--irRNA ligase, cytoplasmic [Mus musculus]	315.72	20.30	1	14	14	21 ke binding: RNA binding	mitochondrion; nucleus	metabolic process	P100750: P103485: P105	0.990	0.459	21	8.4	660	75.6	7.55
29364814	fumarylacetoacetate hydrolase domain-containing protein 2A [Mus musculus]	238.83	25.56	1	6	6	14 livity: metal ion binding	toplasm; mitochondrion	metabolic process	P101557	0.990	0.459	14	8.1	313	34.7	8.10
6678794	dual specificity mitogen-activated protein kinase kinase 1 [Mus musculus]	104.34	14.76	2	7	7	7 gna1 transducer activity	mitochondrion; nucleus	ie to stimulus; transport	P100069: P107714	0.990	0.459	8	12.3	393	43.4	6.70
255708463	DNA polymerase alpha subunit B isoform 2 [Mus musculus]	0.00	1.77	2	1	1	1 binding: protein binding	ucleus: organelle lumen	ibolic process; transport	P104042: P108418	0.990	0.459	1	566	62.8	5.10	
13385490	W3 ubiquitin-protein ligase RNF34 [Mus musculus]	109.98	13.30	1	4	4	4 binding: protein binding	ucleus: organelle lumen	is; response to stimulus		0.990	0.459	4	2.9	376	42.0	4.84
33468987	ED repeat-containing protein 4B [Mus musculus]	66.30	5.92	1	4	4	5 protein binding	plasm; nucleus: vacuole	in; response to stimulus	P100400: P111816	0.991	0.463	5	2.7	676	76.0	7.17
225637492	uncharacterized protein LOC73833 [Mus musculus]	39.61	2.91	1	1	1	1			P110239	0.991	0.463	1	344	37.2	8.62	
13994195	serine/threonine-protein phosphatase PP1-alpha catalytic subunit	97.81	19.70	1	2	7	10 binding: protein binding	ucleus: organelle lumen	in; response to stimulus	P100149	0.991	0.463	2	0.0	330	37.5	6.33
149268895	PREDICTED: 60S ribosomal protein L34-like [Mus musculus]	160.52	35.90	2	5	5	7 ictural molecule activity	itochondrion; ribosome	metabolic process	P1001199	0.991	0.463	7	9.6	117	13.3	11.47
160298217	glutathione S-transferase A4 [Mus musculus]	348.18	28.83	1	6	9	23 activity: protein binding	itochondrion	is; response to stimulus	P100043: P102798	0.991</						

6753324	T-complex protein 1 subunit zeta [Mus musculus]	580.01	29.76	2	17	17	31 in binding: RNA binding in: cytosol; extracellular; c	process: reproduction	PI00118	0.992	0.467	31	8.9	531	58.0	7.08
14719434	cysteine dioxygenase type 1 [Mus musculus]	197.42	33.00	1	6	7	26 tivity: metal ion binding sm: cytosol; membrane	e to stimulus: transport	PI05995; PI07847	0.992	0.467	21	8.0	200	23.0	6.46
33859498	uridine 5'-monophosphate synthase [Mus musculus]	57.73	10.19	1	5	5	5 catalytic activity cytoplasm; nucleus	e to stimulus: transport	PI00156; PI00215	0.992	0.467	5	5.6	481	52.3	6.61
253795455	ribosylidihydroxynicotinamide dehydrogenase [quinone] isoform 1 [M	46.48	8.66	2	2	2	2 tivity: metal ion binding n: extracellular; nucleus	ss: response to stimulus	PI02525; PI03358	0.992	0.467	2	0.6	231	26.2	7.01
17941277	STAM-binding protein [Mus musculus]	93.77	12.26	1	5	5	5 binding: protein binding lar: membrane; nucleus	ss: response to stimulus	PI01398; PI08969	0.992	0.467	5	2.3	424	48.5	6.64
124248548	protein FAM134A [Mus musculus]	50.79	3.70	1	2	2	2 ic reticulum; membrane			0.992	0.467	2	7.6	541	57.5	4.46
56744242	AP-1 complex subunit gamma-1 [Mus musculus]	52.38	3.88	2	3	3	4 ling: transporter activity sme: Golgi; membrane	e to stimulus: transport	PI01602; PI02883	0.992	0.467	3	6.6	825	91.7	6.80
13385652	40S ribosomal protein S20 [Mus musculus]	200.89	36.13	1	5	5	11 ctural molecule activity extracellular; ribosome	metabolic process	PI00338	0.992	0.467	11	14.7	119	13.4	9.94
255003735	60S ribosomal protein L10a [Mus musculus]	331.73	30.88	1	7	7	20 ctural molecule activity janelle lumen; ribosome	metabolic process	PI00687	0.992	0.467	16	12.4	217	24.8	9.94
254826790	mitochondrial dicarboxylate carrier [Mus musculus]	107.23	17.42	1	4	4	5 transporter activity mitochondrion; nucleus	transport	PI00153	0.993	0.471	5	9.8	287	31.7	9.32
6755662	signal recognition particle 9 kDa protein [Mus musculus]	0.00	12.79	1	1	1	1 RNA binding cytoplasm	e to stimulus: transport	PI05486	0.993	0.471	1	86	10.2	7.99	
70778826	deubiquitinating protein VCP135 [Mus musculus]	63.84	3.77	1	4	4	4 gnal transducer activity plasmic reticulum; Golgi	ss: response to stimulus	PI02338	0.993	0.471	4	3.0	1220	134.4	7.17
29243946	threonine synthase-like 1 isoform a [Mus musculus]	43.62	3.88	2	3	3	3 ling: nucleotide binding mitochondrion; nucleus	metabolic process	PI00004; PI00291; PI01	0.993	0.471	3	22.2	747	83.0	7.20
89242139	rho GTPase-activating protein 12 isoform 2 [Mus musculus]	44.33	6.77	2	6	6	6 activity: protein binding is: response to stimulus		PI00169; PI00397; PI00	0.993	0.471	6	6.5	813	92.6	7.96
6753374	cadherin-1 precursor [Mus musculus]	39.75	3.73	1	3	3	7 binding: protein binding sme: Golgi; membrane	e to stimulus: transport	PI00028; PI01049; PI08	0.993	0.471	3	23.2	884	98.2	4.84
22122825	actin-related protein 2 [Mus musculus]	100.55	14.47	1	5	5	7 binding: protein binding loskeleton; extracellular	reproduction; transport	PI00022	0.993	0.471	7	10.9	394	44.7	6.74
7304929	trafficking protein particle complex subunit 3 [Mus musculus]	52.87	8.33	1	2	2	2 protein binding ulum: Golgi; membrane	transport	PI04051	0.993	0.471	2	6.0	180	20.3	4.96
131980617	vesicle transport through interaction with t-SNAREs homolog 1B [P	135.83	14.22	1	3	3	3 protein binding lgi: membrane; vacuole	transport	PI03908; PI05008; PF12	0.993	0.471	3	2.5	232	26.7	9.04
7305485	endophilin-A2 isoform 1 [Mus musculus]	101.40	12.50	3	5	5	5 protein binding endosome; membrane	transport	PI00018; PI03114; PI07	0.993	0.471	5	9.5	368	41.5	5.72
134288988	E3 ubiquitin-protein ligase HERC2 [Mus musculus]	28.55	0.56	1	3	3	3 binding: protein binding mitochondrion; nucleus in: response to stimulus		PI00173; PI00415; PI00	0.993	0.471	3	3.1	4836	527.1	6.27
13385388	mediator of RNA polymerase II transcription subunit 28 [Mus mus	48.22	10.11	1	2	2	2 protein binding ucleus; organelle lumen ion of biological process		PI11594	0.993	0.471	2	0.6	178	19.5	5.58
13386106	cleavage and polyadenylation specificity factor subunit 5 [Mus mus	59.84	7.49	1	2	2	2 in binding: RNA binding ucleus; organelle lumen isis: metabolic process			0.993	0.471	2	14.0	227	26.2	8.82
31980942	inositol monophosphatase 1 [Mus musculus]	112.23	12.64	1	3	3	3 binding: protein binding mitochondrion; nucleus is: response to stimulus		PI00459	0.993	0.471	3	2.0	277	30.4	5.19
6678359	transketolase [Mus musculus]	751.67	37.08	1	26	26	60 binding: protein binding ar: membrane; nucleus ion of biological process		PI00456; PI00676; PI02	0.993	0.471	587	12.9	623	67.6	7.50
327180707	serine/threonine-protein phosphatase 2A 55 kDa regulatory subun	69.07	3.00	2	1	1	1 activity: protein binding is: response to stimulus			0.993	0.471	1	367	42.6	5.36	
24497431	nucleoporin p58/p45 [Mus musculus]	38.44	2.39	1	2	2	2 ling: transporter activity membrane; nucleus	transport		0.993	0.471	2	0.1	587	59.4	9.29
6680806	bisphosphoglycerate mutase [Mus musculus]	561.09	52.90	1	15	15	50 catalytic activity nent: metabolic process		PI00300	0.993	0.471	42	11.6	259	30.0	7.06
33468985	KH domain-containing protein 3 [Mus musculus]	2610.05	55.23	1	32	32	172 in binding: RNA binding cytoplasm; membrane	ion of biological process	PI04094; PI05955	0.993	0.471	167	8.3	440	48.0	5.95
27229275	RING finger protein 114 [Mus musculus]	559.74	62.01	1	13	13	49 binding: protein binding cytoplasm; nucleus c process: reproduction		PI00097; PI05605	0.994	0.475	43	6.4	229	25.7	7.03
16980385	zinc finger CCHC domain-containing protein 8 [Mus musculus]	52.35	2.12	1	2	2	2 in binding: RNA binding y: spliceosomal complex	metabolic process	PI00098; PI04046	0.994	0.475	2	4.2	709	78.0	4.73
9789881	ADP-ribosylation factor-like protein 3 [Mus musculus]	115.21	20.33	1	3	3	4 gnal transducer activity lgi: membrane; nucleus e to stimulus: transport		PI00009; PI00025; PI00	0.994	0.475	4	5.8	182	20.5	7.24
21312888	ubiquitin-conjugating enzyme E2 C [Mus musculus]	43.57	11.73	1	2	2	2 tivity: nucleotide binding nucleus	gical process: transport	PI00179; PI05743	0.994	0.475	2	3.7	179	19.6	7.33
12963757	inositol-3-phosphate synthase 1 [Mus musculus]	227.05	12.93	1	9	9	18 tivity: nucleotide binding cytoplasm	metabolic process	PI01658; PI07994	0.994	0.475	17	5.9	557	60.9	6.42
31982664	inosine triphosphate pyrophosphatase [Mus musculus]	88.73	18.69	1	3	3	5 ling: nucleotide binding cytoplasm isis: metabolic process		PI01725	0.994	0.475	5	3.4	198	21.9	5.87
189458807	cingulin [Mus musculus]	248.40	14.68	2	21	21	25 activity: motor activity ytoskeleton; membrane isis: metabolic process		PI01576; PI03962; PI05	0.994	0.475	24	9.9	1192	136.5	5.91
13385440	hsp90 co-chaperone Cdc37-like 1 [Mus musculus]	28.13	2.69	1	1	1	1 cytoplasm		PI08565	0.994	0.475	1	335	38.4	5.39	
31560083	protein FAM192A [Mus musculus]	64.32	8.27	1	2	2	2 nucleus		PI10187	0.994	0.475	2	6.1	254	28.7	5.14
30794470	ribosomal L1 domain-containing protein 1 [Mus musculus]	0.00	1.77	1	1	1	1 ctural molecule activity anelle lumen; ribosome ion of biological process		PI00687	0.994	0.475	1	452	50.4	9.98	
29789347	structural maintenance of chromosomes protein 4 [Mus musculus]	140.04	5.52	1	7	7	8 binding: protein binding me: cytoplasm; nucleus in: response to stimulus		PI02463; PI06470	0.994	0.475	8	7.4	1286	146.8	7.30
21313396	cob(1)yrinic acid a,c-diamide adenosyltransferase, mitochondrial p	17.23	8.02	1	2	2	2 tivity: nucleotide binding toplasm; mitochondrion	metabolic process	PI01923	0.994	0.475	2	11.5	237	26.3	9.20
390979669	eukaryotic elongation factor 2 kinase [Mus musculus]	234.96	14.36	1	10	10	13 in binding: RNA binding ion of biological process		PI02816	0.995	0.480	13	6.1	724	81.7	5.38
257153357	protein zwilch homolog [Mus musculus]	38.00	1.51	1	1	1	1 chromosome	ion of biological process	PI09817	0.995	0.480	1	596	67.4	6.01	
110625961	replication protein A 32 kDa subunit [Mus musculus]	91.39	12.59	1	3	3	5 binding: protein binding ucleus; organelle lumen ss: response to stimulus		PI08784	0.995	0.480	5	2.4	270	29.4	5.76
6754046	glycosylphosphatidylinositol anchor attachment 1 protein [Mus mu	0.00	3.22	1	2	2	2 catalytic activity c reticulum; membrane	metabolic process	PI04114	0.995	0.480	2	18.1	621	67.9	8.40
6679201	platelet-activating factor acetylhydrolase 1B subunit gamma [Mus	79.10	20.69	1	5	5	6 activity: protein binding cytoplasm; cytosol c process: reproduction		PI00657	0.995	0.480	6	9.9	232	25.8	6.93
148741777	ras-related protein Rab-22A [Mus musculus]	129.65	18.04	2	3	3	4 binding: protein binding lar: membrane; nucleus e to stimulus: transport		PI00009; PI00025; PI00	0.995	0.480	4	12.5	194	21.8	8.15
8394027	serine/threonine-protein phosphatase 2A 65 kDa regulatory subun	413.50	25.30	4	14	14	28 activity: protein binding yme: cytoplasm; cytosol ss: response to stimulus			0.995	0.480	25	11.5	589	65.3	5.11
254675279	tight junction protein ZO-1 isoform 2 [Mus musculus]	78.54	2.49	2	4	4	5 protein binding ym: membrane; nucleus	development	PI00595; PI00625; PI00	0.995	0.480	4	14.3	1685	188.7	6.67
227116300	importin subunit alpha-7 [Mus musculus]	94.93	13.43	2	5	5	5 ling: transporter activity cytoplasm	reproduction; transport	PI00514; PI01749	0.995	0.480	5	6.7	536	59.9	4.94
294979193	protein ECT2 isoform 2 [Mus musculus]	55.99	3.06	2	3	3	3 gnal transducer activity y: cytoskeleton; nucleus e to stimulus: transport		PI00533; PI00621; PF12	0.995	0.480	3	0.5	882	99.6	7.25
110347487	cytoplasmic aconitate hydratase [Mus musculus]	263.84	16.09	2	15	15	17 in binding: RNA binding y: Golgi; mitochondrion ss: response to stimulus		PI00330; PI00694	0.995	0.480	16	9.7	889	98.1	7.50
110625963	adenosine 3'-phospho 5'-phosphosulfate transporter 1 [Mus muscu	0.00	2.36	1	1	1	1 tity: transporter activity lasm; Golgi; membrane e to stimulus: transport		PI08449	0.995	0.480	1	382	42.0	9.39	
371876057	eukaryotic translation initiation factor 4 gamma 3 isoform 3 [Mus	117.73	4.17	3	2	6	7 in binding: RNA binding yme: membrane al process: reproduction		PI00566; PI02847; PI02	0.995	0.480	2	8.6	1464	161.7	5.97
6677777	60S ribosomal protein L26 [Mus musculus]	33.70	34.48	1	6	6	6 ctural molecule activity ucleus; organelle lumen isis: metabolic process		PI00467	0.995	0.480	8	13.9	145	17.2	10.55
33859492	lysine-specific demethylase 6A [Mus musculus]	55.36	1.33	2	2	2	2 binding: protein binding ucleus; organelle lumen ss: response to stimulus		PI00515; PI02373; PI05	0.995	0.480	2	10.7	1424	157.4	7.46
21313140	tax1-binding protein 3 [Mus musculus]	47.14	13.71	2	1	1	1 protein binding ar: membrane; nucleus ss: response to stimulus		PI00595	0.995	0.480	1	124	13.7	8.48	
148747331	coronin-7 [Mus musculus]	58.35	4.99	1	4	4	5 protein binding tosol: Golgi; membrane		PI00400; PI08954	0.995	0.480	5	20.2	922	100.7	5.77
117553631	sal-like protein 4 isoform a [Mus musculus]	141.27	10.12	5	10	10	10 binding: protein binding yme: cytoplasm; nucleus ion of biological process		PI00096	0.995	0.480	10	4.1	1067	113.0	7.81
6754036	aspartate aminotransferase, mitochondrial [Mus musculus]	102.15	12.79	1	6	6	8 in binding: RNA binding ndrion; organelle lumen e to stimulus: transport		PI00155	0.995	0.480	6	17.7	430	47.4	9.00
21312688	oocyte-expressed protein homolog [Mus musculus]	331.07	26.83	1	4	4	23 in binding: RNA binding cytoplasm c process: reproduction			0.996	0.484	20	7.6	164	18.4	6.01
294712552	novel oogenesis protein [Mus musculus]	224.22	17.07	3	3	7	7 protein binding ucleus; organelle lumen	response to stimulus		0.996	0.484	5	11.6	498	56.7	5.45
28201956	mRNA export factor [Mus musculus]	129.21	17.66	1	6	6	7 protein binding ucleus; organelle lumen	response to stimulus	PI00400	0.996	0.484	7	5.8	368	40.9	7.83
21312422	N-allyl-acetyltransferase 50 [Mus musculus]	272.64	47.02	1	11	11	16 activity: protein binding cytoplasm; nucleus isis: metabolic process		PI00583	0.996	0.484	16	8.9	168	19.3	8.81
6679605	26S proteasome non-ATPase regulatory subunit 4 [Mus musculus]	240.22	20.48	1	5	5	9 in binding: RNA binding n: nucleus; proteasome ss: response to stimulus		PI04056	0.996	0.484	9	6.3	376	40.7	4.79
27754097	protein Drl [Mus musculus]	37.22	4.55	1	1	1	1 binding: protein binding ucleus; organelle lumen ion of biological process		PI00808	0.996	0.484	1	176	19.4	4.75	
28077089	leptin receptor gene-related protein [Mus musculus]	0.00	9.92	1	1	1	1 protein binding sme: Golgi; membrane ss: response to stimulus		PI04133	0.996	0.484	1	131	14.3	4.96	
28892935	coiled-coil and C2 domain-containing protein 1B [Mus musculus]	137.56	9.55	1	8	8	8 binding: protein binding y: nucleus ion of biological process		PI00168	0.996	0.484	8	6.3	648	93.0	5.41
115298670	U5 small nuclear ribonucleoprotein 40 kDa protein [Mus musculus]	36.85	6.15	1	2	2	2 in binding: RNA binding y: spliceosomal complex	metabolic process	PI00400	0.996	0.484	2	9.0	358	39.3	8.10
190194418	desmoplakin [Mus musculus]	108.79	1.80	3	5	6	6 ctural molecule activity ucleus; organelle lumen in: response to stimulus		PI00038; PI00681; PI01	0.996	0.484	5	4.2	2883	332.7	6.80
29825825	protein H1D1 [Mus musculus]	51.72	5.96	1	4	4	4 leton: Golgi; membrane e to stimulus: transport		PI09742; PI12722	0.996	0.484	4	10.9	788	88.7	5.94
342307066	serpin B6 isoform b [Mus musculus]	169.06	19.84	2	7	7	12 activity: protein binding loskeleton; extracellular al process: reproduction		PI00079	0.996	0.484	12	7.0	378	42.6	5.74
188528613	gla maturation factor beta [Mus musculus]	113.49	21.13	3	3	3	5 protein binding is: response to stimulus		PI00241	0.996						

6996917	glucose-6-phosphate 1-dehydrogenase X [Mus musculus]	1399.41	45.05	2	24	24	98	binding: protein binding	lar: membrane; nucleus	is: response to stimulus	Pf00479; Pf02781	0.997	0.488	96	6.7	515	59.2	6.49
160333229	calpain-1 catalytic subunit [Mus musculus]	62.10	2.66	1	2	2	2	binding: protein binding	extracellular: membrane	metabolic process	Pf00648; Pf01067	0.997	0.488	2	4.2	713	82.1	5.87
111160869	transformer-2 protein homolog alpha [Mus musculus]	30.17	2.48	1	1	1	1	in binding: RNA binding	ucleus: organelle lumen	metabolic process	Pf00076	0.997	0.488	1	282	32.6	11.27	
46358401	sickle tail protein isoform b [Mus musculus]	43.19	1.34	5	2	2	2	activity: protein binding	cytoplasm: membrane	abolic process: transport	Pf03915	0.997	0.488	2	3.1	1341	146.0	9.22
25742730	60S ribosomal protein L32 [Mus musculus]	157.62	43.70	3	6	6	8	ctural molecule activity	lasm: cytosol; ribosome	metabolic process	Pf01655	0.997	0.488	8	5.6	135	15.8	11.33
22507357	ribosomal protein S6 kinase alpha-3 [Mus musculus]	129.62	8.24	13	1	6	7	inding: protein binding	lasm: nucleus; ribosome	is: response to stimulus	Pf00069; Pf00433; Pf07	0.997	0.488	1	740	83.6	6.89	
119372294	protein-arginine deiminase type-6 [Mus musculus]	7554.45	39.00	1	32	32	503	inding: protein binding	l: cytoskeleton; nucleus	ion of biological process	Pf03068; Pf08526; Pf08	0.997	0.488	460	11.7	682	76.7	5.52
163310723	ER degradation-enhancing alpha-mannosidase-like protein 3 precursor [Mus musculus]	38.87	2.58	1	2	2	2	livity: metal ion binding	lbrane: organelle lumen	is: response to stimulus	Pf01532; Pf02225	0.997	0.488	2	5.9	931	104.1	5.06
6680722	ADP-ribosylation factor 5 [Mus musculus]	290.31	27.22	2	5	5	13	gnal transducer activity	lgi: membrane; nucleus	ie to stimulus; transport	Pf00025; Pf00071; Pf00	0.997	0.488	5	10.4	180	20.5	6.79
21312550	solute carrier family 25 member 35 [Mus musculus]	43.19	6.00	1	2	2	2		mbrane: mitochondrion	transport	Pf00153	0.997	0.488	2	6.1	300	32.6	9.52
6679012	nucleosome assembly protein 1-like 4 [Mus musculus]	233.37	19.20	1	6	7	25	RNA binding	nucleus	esis: metabolic process	Pf00956	0.998	0.492	13	10.2	375	42.7	4.67
116089273	rab GDP dissociation inhibitor beta [Mus musculus]	922.60	47.64	1	18	23	54	in binding: RNA binding	llular: Golgi; membrane	ie to stimulus; transport	Pf00996	0.998	0.492	42	10.1	445	50.5	6.25
24371231	DNA (cytosine-5)-methyltransferase 3A isoform 2 [Mus musculus]	44.53	1.74	2	1	1	1	inding: protein binding	ucleus: organelle lumen	in: response to stimulus	Pf00145; Pf00855	0.998	0.492	1	689	77.8	6.49	
160333671	valine--tRNA ligase, mitochondrial precursor [Mus musculus]	44.16	1.32	1	1	1	1	livity: nucleotide binding	toplasm: mitochondrion	ion of biological process	Pf00133; Pf08264; Pf09	0.998	0.492	1	1060	118.4	7.14	
7948999	peroxiredoxin-4 precursor [Mus musculus]	460.23	20.44	1	3	5	34	activity: protein binding	mitochondrion: nucleus	al process: reproduction	Pf00578; Pf08534; Pf10	0.998	0.492	5	6.6	274	31.0	7.15
319402141	ubiquitin-conjugating enzyme E2 O2-like [Mus musculus]	175.04	23.72	4	8	8	17	activity: protein binding		metabolic process	Pf00179; Pf05773	0.998	0.492	17	11.8	371	42.2	4.89
6680770	apoptosis regulator BAX [Mus musculus]	0.00	10.42	1	1	1	1	ing: transporter activity	mitochondrion: nucleus	ie to stimulus; transport	Pf00452	0.998	0.492	1	192	21.4	4.98	
255069715	cytosol aminopeptidase [Mus musculus]	23.67	8.29	1	4	4	4	livity: metal ion binding	mitochondrion: nucleus	metabolic process	Pf00883; Pf02789	0.998	0.492	4	3.6	519	56.1	7.72
27151744	SH3 domain-containing kinase-binding protein 1 isoform 2 [Mus musculus]	319.03	14.01	3	9	9	11	activity: protein binding	ytoskeleton; membrane	igical process: transport	Pf00018; Pf07653	0.998	0.492	11	5.7	628	68.8	7.46
7304957	chromatin assembly factor 1 subunit A [Mus musculus]	33.12	1.87	1	2	2	2	protein binding	ucleus: organelle lumen	is: response to stimulus	Pf11600; Pf12253	0.998	0.492	2	3.4	911	101.9	5.40
313151236	DNA ligase 1 [Mus musculus]	0.00	0.75	1	1	1	1	ing: nucleotide binding	toplasm: Golgi; nucleus	is: response to stimulus	Pf01068; Pf04675; Pf04	0.998	0.492	1	932	104.0	7.09	
21314838	endophilin-B2 [Mus musculus]	128.40	14.68	1	5	6	8	protein binding	cytoplasm: nucleus	is: response to stimulus	Pf03114	0.998	0.492	6	4.1	395	44.1	5.99
124486670	mitochondrial glutamate carrier 2 [Mus musculus]	34.54	5.00	2	2	2	2	transporter activity	mbrane: mitochondrion	transport	Pf00153	0.998	0.492	2	6.4	320	34.1	9.19
124249204	replication factor C subunit 3 [Mus musculus]	0.00	8.99	1	3	3	3	ing: nucleotide binding	chromosome: nucleus	is: response to stimulus	Pf03215; Pf10424	0.998	0.492	3	19.7	356	40.5	8.38
125858491	protein CIP2A [Mus musculus]	71.47	7.72	2	8	8	8	inding: protein binding	leton: Golgi; membrane	reproduction: transport	Pf00521; Pf00769; Pf01	0.998	0.492	7	5.8	907	102.0	6.28
37718970	proteasome-associated protein ECM29 homolog [Mus musculus]	792.16	18.75	1	29	29	39		e: nucleus; proteasome	metabolic process	Pf13001	0.998	0.492	38	7.2	1840	203.6	7.06
75832031	HD domain-containing protein 2 [Mus musculus]	65.08	5.53	1	1	1	1	livity: metal ion binding	toplasm: mitochondrion	metabolic process	Pf01966	0.999	0.496	1	199	22.7	5.02	
295317391	eukaryotic translation initiation factor 2-alpha kinase 4 isoform 2 [Mus musculus]	68.64	1.50	2	2	2	2	in binding: RNA binding	lasm: cytosol; ribosome	is: response to stimulus	Pf00069; Pf00587; Pf01	0.999	0.496	2	0.3	1536	174.1	6.48
156255161	acyl-CoA-binding domain-containing protein 5 isoform 4 [Mus musculus]	43.34	2.33	4	1	1	1		m: membrane; nucleus	transport	Pf00887	0.999	0.496	1	472	52.3	5.29	
13752585	pleckstrin homology domain-containing family A member 3 [Mus musculus]	0.00	3.03	1	1	1	1	protein binding	lasm: Golgi; membrane		Pf00169	0.999	0.496	1	297	33.4	6.44	
27369808	RING finger protein unkempt homolog [Mus musculus]	46.46	0.99	1	1	1	1	in binding: RNA binding	nucleus			0.999	0.496	1	810	88.0	6.87	
153945749	DNA topoisomerase 2-alpha [Mus musculus]	62.36	2.75	1	4	4	4	in binding: RNA binding	ucleus: organelle lumen	in: response to stimulus	Pf00204; Pf00521; Pf02	0.999	0.496	4	10.3	1528	172.7	8.60
28173566	peroxisomal N(1)-acetyl-spermine/spermidine oxidase [Mus musculus]	454.19	28.97	1	14	14	40	activity: protein binding	plasm: organelle lumen	ion of biological process	Pf01593	0.999	0.496	38	11.9	504	55.4	5.11
125490368	phosphatidylinositol 5-phosphate 4-kinase type-2 alpha [Mus musculus]	44.67	5.68	2	2	2	2	livity: nucleotide binding	m: membrane; nucleus	ient: metabolic process	Pf01504	0.999	0.496	2	10.1	405	46.1	6.99
46592839	GRIP1-associated protein 2 [Mus musculus]	53.93	2.73	1	2	2	2	activity: protein binding	extracellular: membrane	ion of biological process	Pf01576; Pf05557; Pf07	0.999	0.496	2	13.7	806	92.7	5.25
110625942	tudor and KH domain-containing protein [Mus musculus]	127.20	10.36	1	5	5	5	in binding: RNA binding	toplasm: mitochondrion	al process: reproduction	Pf00013; Pf00567	0.999	0.496	5	8.6	560	62.1	4.94
28849881	protein phosphatase 1F [Mus musculus]	85.21	7.52	3	3	3	3	livity: metal ion binding	cytoplasm: cytosol	is: response to stimulus	Pf00481	0.999	0.496	3	12.7	452	49.6	5.30
52145307	NACHT, LRR and PYD domains-containing protein 9B [Mus musculus]	827.42	22.13	1	21	25	51	nucleotide binding	cytoplasm		Pf02758; Pf05729	0.999	0.496	41	9.8	1003	114.7	7.59
377834086	PREDICTED: sulfatase-modifying factor 2 isoform 1 [Mus musculus]	53.08	8.44	3	2	2	2	inding: protein binding	culum: organelle lumen		Pf03781	0.999	0.496	2	1.2	308	34.7	7.11
21313234	brain-specific angiogenesis inhibitor 1-associated protein 2-like precursor [Mus musculus]	120.01	10.31	1	6	6	7	protein binding	lar: membrane; nucleus	is: response to stimulus	Pf00018; Pf07653; Pf08	0.999	0.496	7	5.8	514	57.2	8.75
50234896	ubiquitin-conjugating enzyme E2 O [Mus musculus]	153.74	9.32	1	11	11	12	in binding: RNA binding	nucleus	metabolic process	Pf00179	0.999	0.496	12	10.6	1288	140.7	5.06
30039680	polypyrimidine tract-binding protein 3 isoform 2 [Mus musculus]	54.83	2.87	5	1	2	2	in binding: RNA binding	nucleus	ion of biological process	Pf00076	0.999	0.496	1	523	56.7	9.13	
358356400	beta-1,4-galactosyltransferase 2 [Mus musculus]	41.40	2.71	1	1	1	1	livity: metal ion binding	lasm: Golgi; membrane	metabolic process	Pf02709	0.999	0.496	1	369	41.9	9.26	
124377988	probable tRNA(His) guanylyltransferase [Mus musculus]	28.54	3.69	1	1	1	1	inding: protein binding	toplasm: mitochondrion	esis: metabolic process	Pf04446	0.999	0.496	1	298	34.9	8.57	
6753670	dolichol-phosphate mannosyltransferase [Mus musculus]	37.43	9.62	1	2	2	2	catalytic activity	m: membrane; nucleus	metabolic process	Pf00535	0.999	0.496	2	28.2	260	29.2	9.51
62234487	plasma membrane calcium ATPase 1 [Mus musculus]	96.52	8.11	7	8	8	9	ing: transporter activity	tracellular: membrane	igical process: transport	Pf00122; Pf00689; Pf00	1.000	0.500	9	9.9	1220	134.7	5.91
58037503	E3 ubiquitin-protein ligase RNF170 [Mus musculus]	36.62	5.24	1	1	1	2	inding: protein binding	c reticulum: membrane	metabolic process	Pf00097	1.000	0.500	2	13.7	286	33.4	5.66
79749980	amyloid beta A4 precursor protein-binding family A member 1 [Mus musculus]	32.57	0.95	1	1	1	1	protein binding	lgi: membrane; nucleus	ie to stimulus; transport	Pf00595; Pf00640	1.000	0.500	1	842	92.9	4.88	
12963595	melanoma-associated antigen G1 [Mus musculus]	0.00	2.51	1	1	1	1	protein binding	m: cytoplasm; nucleus	is: response to stimulus	Pf01454	1.000	0.500	1	279	31.4	9.07	
54020676	eukaryotic translation initiation factor 2A [Mus musculus]	106.31	11.36	1	6	6	9	in binding: RNA binding	cytoplasm: extracellular	is: response to stimulus	Pf08642	1.000	0.500	7	6.2	581	64.4	8.91
18699726	vacuolar protein sorting-associated protein 4A [Mus musculus]	112.67	17.85	2	4	9	11	in binding: RNA binding	tracellular: membrane	abolic process: transport	Pf00004; Pf00910; Pf01	1.000	0.500	6	8.2	437	48.9	7.80
267844902	WASH complex subunit FAM21 [Mus musculus]	64.89	3.52	1	3	3	3		ndosome: membrane	transport		1.000	0.500	3	2.7	1334	145.2	4.77
6755206	proteasome subunit beta type-7 precursor [Mus musculus]	174.28	11.91	1	4	4	7	catalytic activity	al: nucleus; proteasome	metabolic process	Pf00227; Pf12465	1.000	0.500	7	7.1	277	29.9	7.99
165377065	UMP-CMP kinase [Mus musculus]	279.53	23.79	1	5	5	11	livity: nucleotide binding	ucleus: organelle lumen	metabolic process	Pf00406; Pf02223; Pf06	1.000	0.500	11	6.3	227	25.7	7.97
350606354	plastin-2 [Mus musculus]	695.67	41.15	1	19	23	52	inding: protein binding	tracellular: membrane	ie to stimulus; transport	Pf00036; Pf00307	1.000	0.500	36	6.6	627	70.1	5.33
6753294	catechin alpha-1 [Mus musculus]	214.43	10.71	3	10	10	11	ctural molecule activity	ytoskeleton: membrane	in: response to stimulus	Pf01044	1.001	0.496	11	11.9	906	100.0	6.23
31981577	profilin subunit 2 [Mus musculus]	322.54	40.26	1	7	7	18	protein binding	ucleus: organelle lumen	metabolic process	Pf01920	1.001	0.496	18	4.5	154	16.5	6.58
6755110	procollagen-lysine-2-oxoglutarate 5-dioxygenase 3 precursor [Mus musculus]	28.89	3.10	1	2	2	2	livity: metal ion binding	tracellular: membrane	is: response to stimulus	Pf03171	1.001	0.496	2	30.2	741	84.9	6.23
123858774	TATA-binding protein-associated factor 172 [Mus musculus]	43.38	0.76	1	1	1	2	ing: nucleotide binding		metabolic process	Pf00176; Pf00271; Pf12	1.001	0.496	2	0.4	1848	206.9	6.43
29789080	coatamer subunit beta' [Mus musculus]	350.17	21.99	1	19	19	28	ctural molecule activity	tosol; Golgi; membrane	transport	Pf00400; Pf04053	1.001	0.496	26	10.5	905	102.4	5.30
326937494	aldehyde dehydrogenase domain-containing protein 4 isoform 2 [Mus musculus]	33.36	5.03	2	2	2	2	catalytic activity		metabolic process	Pf00561; Pf03403; Pf12	1.001	0.496	2	2.9	318	36.0	8.27
6678407	tumor protein D52 isoform 5 [Mus musculus]	432.21	40.00	5	10	10	21	inding: protein binding	ndoplasmic reticulum	igical process: transport	Pf04201	1.001	0.496	21	7.2	185	20.0	4.88
125987599	CD2-associated protein [Mus musculus]	147.17	6.44	1	4	4	6	protein binding	ucleus: organelle lumen	igical process: transport	Pf00018; Pf07653	1.001	0.496	6	7.3	637	70.4	6.38
110625972	UPF0577 protein KIAA1324-like homolog precursor [Mus musculus]	45.40	1.46	1	1	1	1	gnal transducer activity	mbrane	is: response to stimulus	Pf07562; Pf07699	1.001	0.496	1		1028	113.6	6.14
100818161	RAP1, GTP-GDP dissociation stimulator 1 isoform a [Mus musculus]	399.88	18.78	2	10	10	13	protein binding	extracellular	ion of biological process	Pf00514	1.001	0.496	13	12.9	607	66.0	5.35
6678999	gla-derived noxin precursor [Mus musculus]	68.67	9.07	1	4	4	5	activity: protein binding	tracellular: membrane	ie to stimulus; transport	Pf00079	1.001	0.496	5	9.6	397	44.2	9.85
166706913	inositol hexakisphosphate and diphosphoinositol-pentakisphosphate	28.81	1.69	1	2	2	2	livity: nucleotide binding	cytoplasm	metabolic process	Pf00328; Pf08443	1.001	0.496	2	3.0	1123	127.6	7.80
7304861	alpha-adducin isoform 2 [Mus musculus]</																	

114145487	ras-related GTP-binding protein C [Mus musculus]	134.00	12.31	2	4	4	7-binding: protein binding	plasm; nucleus; vacuole	ss; response to stimulus	Pf00025; Pf04670	1.003	0.489	7	7.8	398	44.1	5.10	
267844920	WW domain-binding protein 11 [Mus musculus]	51.91	1.40	1	1	1	1-binding: RNA binding	ucleus; organelle lumen	ion of biological process	Pf09429	1.003	0.489	1		641	69.8	8.40	
157838013	C2 domain-containing protein 5 isoform 2 [Mus musculus]	79.16	2.90	3	3	3	3-binding: protein binding	cytoplasm; membrane	ie to stimulus; transport	Pf00168; Pf01906	1.003	0.489	3	4.1	999	109.8	5.80	
6679811	flotillin-2 isoform 2 [Mus musculus]	53.61	3.43	2	1	1	1-binding: protein binding	extracellular; membrane	development	Pf01145	1.003	0.489	1		379	41.6	5.22	
31981100	40S ribosomal protein S14 [Mus musculus]	189.41	39.74	2	6	6	10-binding: regulator activity	janelle lumen; ribosome	ion of biological process	Pf00411	1.003	0.489	10	10.6	151	16.3	10.05	
163310776	AP-3 complex subunit beta-1 [Mus musculus]	69.27	3.44	1	4	4	4-binding: protein binding	lgi; membrane; vacuole	ie to stimulus; transport	Pf01602; Pf12717	1.003	0.489	4		8.1	1105	122.7	
46909575	FAD-linked sulphydryl oxidase ALR [Mus musculus]	51.28	15.15	1	2	2	3-binding: protein binding	toplasm; mitochondrion	metabolic process	Pf04777	1.003	0.489	3		1.3	198	22.9	
158636012	lupus La protein homolog [Mus musculus]	245.95	13.98	1	9	9	13-binding: RNA binding	nucleus	metabolic process	Pf00076; Pf05383; Pf08	1.003	0.489	13		9.3	415	47.7	
31543349	vesicle-fusing ATPase [Mus musculus]	1004.00	36.02	1	26	26	59-binding: RNA binding	lgi; membrane; vacuole	ie to stimulus; transport	Pf00004; Pf00910; Pf01	1.003	0.489	59		9.6	744	82.6	
150456419	ATP-dependent RNA helicase A [Mus musculus]	171.58	8.03	1	11	11	11-binding: RNA binding	ucleus; organelle lumen	ss; response to stimulus	Pf00035; Pf00270; Pf00	1.003	0.489	11	12.5	1383	149.5	6.83	
18139547	protein bicaudal D homolog 2 isoform 2 [Mus musculus]	114.85	4.51	4	3	4	6-binding: transporter activity	ucleus; organelle lumen	reproduction; transport	Pf01496; Pf03961; Pf04	1.003	0.489	3	3.6	209	93.3	5.44	
21539593	interferon-induced transmembrane protein 3 [Mus musculus]	0.00	14.60	1	1	1	1-binding: protein binding	ne; membrane; nucleus; vacuole	ss; response to stimulus	Pf04505	1.003	0.489	1		137	14.9	7.40	
187831285	sorting nexin-16 isoform a [Mus musculus]	31.99	2.91	1	1	1	1-binding: protein binding	ne; membrane; vacuole	immunization; transport	Pf00787	1.003	0.489	1		344	38.8	5.21	
110625948	acetyl-Coenzyme A acetyltransferase 3 [Mus musculus]	71.72	13.35	1	1	5	5-binding: catalytic activity	ucleus; organelle lumen	metabolic process	Pf00108; Pf00109; Pf02	1.003	0.489	1		101	397	41.4	
71037403	myosin light chain, regulatory B-like [Mus musculus]	114.17	31.40	3	5	5	17-binding: protein binding	cytoskeleton; extracellular	igical process; transport	Pf00036	1.004	0.485	17	6.4	172	19.9	4.81	
291322740	inositol 1,4,5-trisphosphate receptor type 1 [Mus musculus]	181.88	5.57	4	16	16	16-binding: transporter activity	ucleus; organelle lumen	ie to stimulus; transport	Pf00520; Pf01365; Pf02	1.004	0.485	16	7.3	2749	313.0	6.04	
154240730	clathrin interactor 1 [Mus musculus]	211.53	16.37	1	9	9	10-binding: protein binding	lgi; membrane; nucleus	nd biogenesis; transport	Pf01417; Pf07651	1.004	0.485	10	3.9	623	67.7	6.42	
32189430	axin interactor, dorsalization-associated protein [Mus musculus]	0.00	2.30	1	1	1	1-binding: protein binding	cytoplasm	ss; response to stimulus	Pf08910	1.004	0.485	1		305	34.9	6.74	
6754906	cytosolic Fe-S cluster assembly factor NUBP1 [Mus musculus]	0.00	2.81	1	1	1	1-binding: protein binding	sm; cytosol; membrane	ion of biological process	Pf01656; Pf10609	1.004	0.485	1		320	34.1	5.90	
31981603	BSD domain-containing protein 1 [Mus musculus]	65.04	7.49	1	3	3	4-binding: protein binding			Pf03909	1.004	0.485	4	1.6	427	46.9	4.40	
21312920	tetratricopeptide repeat protein 33 [Mus musculus]	27.55	2.67	1	1	2	2-binding: protein binding				1.004	0.485	1		262	29.4	5.35	
22808337	26S protease regulatory subunit 6A [Mus musculus]	176.69	18.78	1	10	10	11-binding: nucleotide binding	n; nucleus; proteasome	ss; response to stimulus	Pf00004; Pf01078; Pf05	1.004	0.485	11	7.5	442	49.5	5.19	
8392847	alpha-actinin [Mus musculus]	71.19	14.63	2	2	4	4-binding: nucleotide binding	cytoskeleton; extracellular		Pf00022	1.004	0.485	2	1.8	376	42.6	6.64	
114431250	phospholipase A-2-activating protein [Mus musculus]	1370.79	34.76	1	25	25	63-binding: catalytic activity	protein binding	extracellular	ss; response to stimulus	Pf00400; Pf08324; Pf09	1.004	0.485	56	8.1	794	87.2	6.14
9789913	coatamer subunit zeta-1 [Mus musculus]	166.19	24.86	1	4	4	9-binding: protein binding	plasm; Golgi; membrane	transport	Pf01217	1.004	0.485	8	9.5	177	20.2	4.81	
112293266	heat shock 70 kDa protein 4 [Mus musculus]	1535.72	42.04	1	30	33	85-binding: protein binding	mitochondrion; nucleus	ie to stimulus; transport	Pf00012; Pf06723	1.004	0.485	74	9.5	842	94.1	5.21	
31542413	coronin-1C [Mus musculus]	320.95	30.38	4	17	17	26-binding: protein binding	cytoskeleton; membrane	nd biogenesis; transport	Pf00400; Pf08953; Pf08	1.004	0.485	26	11.4	474	53.1	7.08	
328927083	microtubule-associated protein 4 isoform 4 [Mus musculus]	530.17	22.19	4	22	22	30-binding: protein binding	RNA binding	ytoskeleton; membrane	r component movement	Pf00418	1.004	0.485	30	10.6	1086	113.6	4.91
7305619	ubiquitin carboxyl-terminal hydrolase 5 [Mus musculus]	274.33	18.41	1	15	15	23-binding: protein binding		ion of biological process	Pf00443; Pf00627; Pf02	1.004	0.485	22	7.4	858	95.8	5.01	
58037145	small nuclear ribonucleoprotein Sm D2 [Mus musculus]	90.47	37.29	3	4	4	5-binding: RNA binding	ss; spliceosomal complex	esis; metabolic process	Pf01423	1.004	0.485	5	8.4	118	13.5	9.91	
83999999	glucosamine-6-phosphate isomerase 2 [Mus musculus]	306.91	17.03	2	5	5	14-binding: catalytic activity	cytoplasm; nucleus	metabolic process	Pf01182	1.005	0.482	14	6.3	276	31.1	6.90	
13385042	protein FAM136A [Mus musculus]	79.86	13.04	2	2	2	2-binding: catalytic activity	toplasm; mitochondrion		Pf05811	1.005	0.482	2	9.3	138	15.7	7.61	
27369788	RUN and FYVE domain-containing protein 1 [Mus musculus]	869.26	40.59	3	30	30	57-binding: transporter activity	ne; membrane; nucleus	igical process; transport	Pf01363; Pf02759	1.005	0.482	55	9.6	712	80.3	5.68	
406855427	xa-Pro aminopeptidase 1 [Mus musculus]	55.39	5.56	1	4	4	4-binding: protein binding	cytoplasm; cytosol	metabolic process	Pf00557; Pf01321	1.005	0.482	4	5.3	666	74.5	5.83	
451172066	alpha-2-HS-glycoprotein isoform 3 precursor [Mus musculus]	59.83	5.03	2	1	1	1-binding: enzyme regulator activity	extracellular	ie to stimulus; transport	Pf00031	1.005	0.482	1		338	36.4	6.46	
7549752	cullin-1 [Mus musculus]	833.88	35.70	2	32	32	60-binding: catalytic activity	protein binding	ment; metabolic process	Pf00888; Pf10557	1.005	0.482	58	9.5	776	89.6	8.00	
45544618	S-methyl-S'-thioadenosine phosphorylase [Mus musculus]	123.18	21.91	1	7	7	7-binding: catalytic activity	n; extracellular; nucleus	ss; response to stimulus	Pf01048	1.005	0.482	7		283	31.0	7.14	
122937361	guanine nucleotide-binding protein-like 1 [Mus musculus]	78.99	7.58	1	5	5	7-binding: transporter activity	membrane; nucleus	ie to stimulus; transport	Pf01926; Pf02421	1.005	0.482	7	8.5	607	68.7	5.68	
9055370	eukaryotic translation initiation factor 3 subunit 1 [Mus musculus]	112.29	20.31	1	7	7	8-binding: RNA binding	cytoplasm; extracellular	ion of biological process	Pf00400	1.005	0.482	8	9.5	325	36.4	5.64	
254553424	THO complex subunit 3 [Mus musculus]	38.85	2.56	1	1	1	1-binding: structural molecule activity	ucleus; organelle lumen	biologic process; transport	Pf00400; Pf04053; Pf08	1.005	0.482	1		351	38.7	6.09	
6754976	peroxiredoxin-1 [Mus musculus]	2481.38	67.84	2	15	17	152-binding: RNA binding	ucleus; organelle lumen	ie to stimulus; transport	Pf00578; Pf08534; Pf10	1.006	0.478	116	8.6	199	22.2	8.12	
284005138	pre-mRNA 3' end processing protein WDR33 isoform 3 [Mus musculus]	54.66	3.92	4	1	1	1-binding: RNA binding	nucleus	metabolic process	Pf00400	1.006	0.478	1		255	29.7	9.57	
166295190	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly	50.79	3.50	1	1	1	1-binding: catalytic activity	mbane; mitochondrion	esis; metabolic process	Pf01209; Pf01728; Pf03	1.006	0.478	1		343	38.4	6.10	
84043961	eukaryotic translation initiation factor 5B [Mus musculus]	195.98	5.35	1	7	7	7-binding: RNA binding	cytoplasm	ion of biological process	Pf00009; Pf01926; Pf11	1.006	0.478	7	3.9	1216	137.5	5.59	
31559918	nardilysin precursor [Mus musculus]	347.92	9.39	1	11	11	16-binding: protein binding	toplasm; mitochondrion	ion of biological process	Pf00675; Pf05193	1.006	0.478	15	7.3	1161	132.8	4.87	
51036613	fragile X mental retardation protein 1 homolog [Mus musculus]	152.69	7.33	2	3	5	8-binding: RNA binding	n; cytoskeleton; nucleus	igical process; transport	Pf00013; Pf05641; Pf12	1.006	0.478	3	2.9	614	68.8	7.42	
32451488	probable E3 ubiquitin-protein ligase HERC4 isoform 2 [Mus musculus]	36.31	1.14	2	1	1	1-binding: catalytic activity	ss; cytoplasm	reproduction	Pf00015; Pf00632	1.006	0.478	1		1049	117.5	6.37	
6753960	guanine deaminase [Mus musculus]	328.18	26.43	1	14	14	25-binding: protein binding		metabolic process	Pf01979; Pf07969	1.006	0.478	24	7.1	454	51.0	5.53	
70608139	BRCA1-associated protein [Mus musculus]	53.48	5.92	1	3	3	3-binding: protein binding	sm; membrane; nucleus	ss; response to stimulus	Pf01756; Pf12	1.006	0.478	3	3	141	66.9	5.64	
125642573	swi5-dependent recombination DNA repair protein 1 homolog [Mus musculus]	99.45	8.15	1	3	3	4-binding: protein binding	ucleus; organelle lumen	ss; response to stimulus	Pf10376	1.006	0.478	4	12.3	319	35.2	5.15	
115511040	CD164 sialomucin-like 2 protein precursor [Mus musculus]	55.86	12.21	1	2	2	5-binding: catalytic activity	membrane		Pf05283	1.007	0.474	5	10.9	172	18.2	7.39	
6680658	[Protein ADP-ribosylarginine] hydrolase [Mus musculus]	131.54	23.76	1	9	9	10-binding: metal ion binding		metabolic process	Pf03747	1.007	0.474	9	9.0	362	40.0	5.76	
19527154	protein BRICK1 [Mus musculus]	49.21	22.67	1	2	2	3-binding: protein binding	cytoskeleton; extracellular	ss; response to stimulus		1.007	0.474	3	5.2	75	8.8	5.45	
24762230	40S ribosomal protein S15a [Mus musculus]	178.73	51.54	2	8	8	14-binding: structural molecule activity	mitochondrion; ribosome	ss; response to stimulus	Pf00410	1.007	0.474	12	7.0	130	14.8	10.13	
21450165	DEP domain-containing protein 7 [Mus musculus]	95.33	16.83	1	8	8	11-binding: protein binding	ss; membrane	ion of biological process	Pf00610	1.007	0.474	10	6.0	511	58.4	7.61	
13385536	armadillo repeat-containing protein 10 [Mus musculus]	44.83	9.80	1	2	2	2-binding: protein binding	mbane; mitochondrion	ion of biological process	Pf04826	1.007	0.474	2	12.0	306	33.3	7.99	
13385800	transcription elongation factor B polypeptide 2 [Mus musculus]	241.14	33.05	1	6	6	19-binding: protein binding	ucleus; organelle lumen	ion of biological process	Pf00240	1.007	0.474	14	9.9	118	13.2	5.01	
33468897	glutamate--cysteine ligase catalytic subunit [Mus musculus]	0.00	2.51	1	1	1	1-binding: protein binding	cytoplasm; cytosol	ss; response to stimulus	Pf03074	1.007	0.474	1		637	72.5	5.90	
282847442	interactor protein for cytohesin exchange factors 1 isoform 1 [Mus musculus]	74.90	13.30	4	4	4	4-binding: protein binding	sm; cytosol; membrane	ion of biological process	Pf00169	1.007	0.474	4	5.0	406	45.8	6.73	
222418581	spartin isoform b [Mus musculus]	0.00	2.28	2	1	1	1-binding: protein binding	mbane; mitochondrion	ss; response to stimulus	Pf04212; Pf06911	1.008	0.471	1		614	66.4	5.52	
164519048	protein FAM105B [Mus musculus]	36.72	4.55	1	2	2	2-binding: catalytic activity	cytoplasm	ss; response to stimulus	Pf10275	1.008	0.471	2		352	40.3	5.68	
257153454	nicotinamide phosphoribosyltransferase [Mus musculus]	42.23	1.63	1	1	1	1-binding: activity: protein binding	n; extracellular; nucleus	in; response to stimulus	Pf04095	1.008	0.471	1	4.1	491	55.4	7.15	
13385314	protein syndesmos [Mus musculus]	31.02	3.32	1	1	1	1-binding: RNA binding	cytoplasm	metabolic process		1.008	0.471	1		211	23.4	9.26	
126090572	WASH complex subunit 7 [Mus musculus]	36.20	0.77	1	1	1	1-binding: protein binding	cytoplasm; endosome	transport		1.008	0.471	1		1173	136.3	7.37	
30424609	YTH domain family protein 1 [Mus musculus]	27.08	1.25	1	1	1	1-binding: RNA binding			Pf04146	1.008	0.471	1		559	60.8	8.95	
57222272	probable RNA polymerase II nuclear localization protein SLC7A6O5	86.65	7.84	1	2	2	4-binding: RNA binding	cytoplasm; nucleus	development; transport		1.008	0.471	4	11.8	306	35.0	4.58	
6677833	protein S100-A10 [Mus musculus]	38.31	27.84	1	2	2	2-binding: protein binding	extracellular; membrane	ie to stimulus; transport	Pf01023	1.008	0.471	2		97	11.2	6.77	
9507023	geranylgeranyl transferase type-2 subunit alpha [Mus musculus]	204.87	8.64	1	5	5	5-binding: protein binding	cytoplasm	metabolic process	Pf01239; Pf07711	1.008	0.471	5	0.7	567	64.9	5.80	
6677709	transcription factor p65 [Mus musculus]	45.95	4.37	1	2	2	2-binding: protein binding	plasm; cytosol; nucleus	ss; response to stimulus	Pf00554	1.008	0.471	2	15.2	549	60.2	5.76	
27370032	ubiquitin-like modifier-activating enzyme 6 [Mus musculus]	570.77	21.46	1	20	20												

51592067	Nck-associated protein 5 isoform 2 [Mus musculus]	0,00	0,54	2	1	1	1	1	ility: nucleotide binding	metabolic process	Pf01243; Pf10590; Pf12	1,009	0,467	1		1841	200,9	7,21	
19527238	pyridoxine-5'-phosphate oxidase [Mus musculus]	63,17	5,75	1			1	1	2;ility: nucleotide binding	metabolic process	Pf01243; Pf10590; Pf12	1,009	0,467	2			30,1	8,22	
6755967	voltage-dependent anion-selective channel protein 3 isoform 2 [Mus musculus]	301,37	39,58	2	9	10			17;ing: transporter activity	mitochondrion; nucleus; ie to stimulus; transport	Pf01459	1,009	0,467	15	11,1	263	30,7	8,79	
58037279	RNA pseudouridylylase domain-containing protein 4 [Mus musculus]	0,00	2,39	1		1	1		1;ic activity: RNA binding	toplas; mitochondrion	Pf00849	1,010	0,463	1		377	42,4	10,18	
85719322	phenylalanine--RNA ligase, mitochondrial isoform 2 [Mus musculus]	54,28	9,59	2	2	2			2;ke binding: RNA binding	toplas; mitochondrion	Pf01409; Pf03147	1,010	0,463	2	9,1	219	25,6	5,22	
139948818	protein FAM98A [Mus musculus]	94,03	7,18	2	3	3			3; RNA binding		Pf10239	1,010	0,463	3	5,1	515	55,0	8,95	
189339262	V-type proton ATPase subunit C1 [Mus musculus]	146,51	19,90	1	9	9			9;ility: transporter activity	ar; membrane; vacuole	Pf03223	1,010	0,463	9	8,1	382	43,9	7,46	
31982030	rho GDP-dissociation inhibitor 1 [Mus musculus]	280,01	37,25	1	7	7			22;activity: protein binding	extracellular; membrane; is; response to stimulus	Pf02115	1,010	0,463	21	23,1	204	23,4	5,20	
6753494	coronin-1B [Mus musculus]	112,28	25,41	1	12	12			15; protein binding	lokeleton; extracellular; is; response to stimulus	Pf00400; Pf08953; Pf08	1,010	0,463	14	4,5	484	53,9	5,78	
46575912	protein WWC2 [Mus musculus]	125,72	5,64	1	6	6			7; protein binding		Pf00397	1,010	0,463	7	18,6	1187	132,5	5,71	
6677983	caseinolytic peptidase B protein homolog [Mus musculus]	431,15	18,91	1	11	11			19;ictural molecule activity	skeleton; mitochondrion; is; response to stimulus	Pf00004; Pf00023; Pf01	1,010	0,463	19	9,3	677	76,0	8,51	
85701536	multiple C2 and transmembrane domain-containing protein 2 [Mus musculus]	50,74	3,30	1	3	3			3;binding: protein binding	membrane	Pf00168; Pf08372	1,010	0,463	3	13,0	878	100,1	7,09	
88758584	pyridoxal-dependent decarboxylase domain-containing protein 1 [Mus musculus]	317,26	15,07	2	11	11			14; catalytic activity	cytoplasm; Golgi	Pf00282	1,010	0,463	14	5,4	710	78,5	5,54	
28077049	charged multivesicular body protein 4b [Mus musculus]	161,85	26,79	2	7	7			9; protein binding	lar; membrane; nucleus; ie to stimulus; transport	Pf03357	1,010	0,463	9	8,9	224	24,9	4,82	
110625975	pyruvate dehydrogenase kinase, isozyme 1 precursor [Mus musculus]	31,09	2,53	1	1	1			1;binding: protein binding	ndrion; organelle lumen; is; response to stimulus	Pf02518; Pf10436	1,010	0,463	1	434	49,0	8,19		
368711288	probable E3 ubiquitin-protein ligase DTX2 isoform 3 [Mus musculus]	338,80	17,98	4	10	10			19;binding: protein binding	m; membrane; nucleus; is; response to stimulus	Pf02825	1,011	0,460	18	13,1	573	62,4	7,88	
85986577	plastin-1 [Mus musculus]	696,05	35,71	1	18	22			35;binding: protein binding	cytoplasm; extracellular	Pf00036; Pf00307	1,011	0,460	29	12,4	630	70,4	5,38	
228008318	NACHT, LRR and PYD domains-containing protein 14 [Mus musculus]	3719,49	37,46	1	41	42	228		nucleotide binding		Pf05729	1,011	0,460	218	11,5	993	113,3	6,49	
9055256	2-cell-stage, variable group, member 1 [Mus musculus]	46,40	19,88	4	2	2			2; protein binding	eloment: reproduction	Pf07270	1,011	0,460	2	9,0	171	19,3	6,54	
27754103	26S protease regulatory subunit 10B [Mus musculus]	190,41	23,65	1	8	8			13;ke binding: RNA binding	e; nucleus; proteasome; is; response to stimulus	Pf00004; Pf00910; Pf01	1,011	0,460	13	3,9	389	44,1	7,49	
134288917	cytoplasmic dynein 1 heavy chain 1 [Mus musculus]	1109,30	15,31	2	68	69			86;in binding: RNA binding	ion; extracellular; Golgi; bolic process; transport	Pf03028; Pf03915; Pf04	1,011	0,460	83	7,9	4644	531,7	6,42	
256773241	tax1-binding protein 1 homolog [Mus musculus]	181,48	15,36	1	11	11			12;activity: protein binding	ucleus; organelle lumen; al process: reproduction	Pf00038; Pf01576; Pf02	1,011	0,460	12	9,3	814	93,6	5,33	
225543319	transitional endoplasmic reticulum ATPase [Mus musculus]	1360,28	29,90	2	25	26			88;in binding: RNA binding	r; nucleus; proteasome; ie to stimulus; transport	Pf00004; Pf00910; Pf01	1,011	0,460	73	10,0	806	89,3	5,26	
21312175	malignant T-cell-amplified sequence 1 [Mus musculus]	0,00	4,97	1	1	1			1; RNA binding	cytoplasm; membrane; is; response to stimulus	Pf01472	1,011	0,460	1	181	20,5	8,82		
21311925	AMP deaminase 2 [Mus musculus]	31,63	2,01	1	2	2			2;tlivity: metal ion binding	metabolic process	Pf00962	1,011	0,460	2	0,7	798	92,0	6,23	
153792001	ran-specific GTPase-activating protein [Mus musculus]	83,83	16,26	1	3	3			6;zyme regulator activity	cytoplasm; cytoskeleton; gical process: transport	Pf00638	1,011	0,460	6	3,1	203	23,6	5,22	
40254624	platelet-activating factor acetylhydrolase IB subunit beta [Mus musculus]	34,21	6,11	1	1	2			3;activity: protein binding	ucleus; organelle lumen; n; response to stimulus	Pf00657	1,011	0,460	2	3,3	229	25,6	5,92	
134032048	F-box and WD-40 domain protein 16 [Mus musculus]	582,68	30,82	1	8	14	42		protein binding		Pf00646; Pf12937	1,011	0,460	21	12,6	464	53,6	7,91	
21746142	protein arcease [Mus musculus]	32,93	10,78	2	2	2			2; protein binding		Pf01951	1,011	0,460	2	5,0	167	19,6	4,56	
113199761	tyrosine-protein phosphatase non-receptor type 18 [Mus musculus]	113,94	15,01	3	6	7			7;activity: protein binding	cytoplasm; nucleus	Pf00102	1,011	0,460	6	3,9	453	50,2	8,27	
116256510	AP-2 complex subunit alpha-1 isoform b [Mus musculus]	203,36	12,98	3	12	12			13;ing: transporter activity	cytoplasm; membrane; gical process: transport	Pf01602; Pf02296; Pf02	1,012	0,456	13	9,7	955	105,4	7,66	
38683820	active breakpoint cluster region-related protein isoform 2 [Mus musculus]	133,34	6,89	4	6	6			6;activity: protein binding	sm; cytosol; membrane; ie to stimulus; transport	Pf00168; Pf00169; Pf00	1,012	0,456	6	1,0	813	92,4	7,08	
228480219	LDLR chaperone MESD precursor [Mus musculus]	27,15	13,39	1	3	3			5; protein binding	c; reticulum; membrane; is; response to stimulus	Pf01085	1,012	0,456	5	4,3	224	25,2	6,34	
167900464	formin-binding protein 1-like isoform 2 [Mus musculus]	65,02	4,17	2	2	2			2; protein binding	ytoskeleton; membrane; gical process: transport	Pf00018; Pf00611; Pf07	1,012	0,456	2	4,6	551	63,9	6,27	
254750698	nucleobindin-1 isoform 1 precursor [Mus musculus]	259,11	28,10	2	13	13			21;iding: metal ion binding	llular; Golgi; membrane		1,012	0,456	21	10,3	459	53,4	5,07	
580371109	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10 [Mus musculus]	61,89	13,64	1	2	2			3; membrane	mitochondrion; bolic process: transport	Pf10249	1,012	0,456	3	10,6	176	21,0	8,03	
29244114	vacuolar fusion protein CC21 homolog [Mus musculus]	41,02	2,29	1	1	1			2; sm; membrane	vacuole	Pf08217	1,012	0,456	2	2,3	480	55,5	6,02	
359385706	rac GTPase-activating protein 1 [Mus musculus]	60,39	6,05	1	4	4			5;inding: protein binding	lar; membrane; nucleus; ie to stimulus; transport	Pf00130; Pf00261; Pf00	1,012	0,456	5	6,6	628	70,1	8,51	
119392070	conserved oligomeric Golgi complex subunit 3 [Mus musculus]	21,65	1,09	1	1	1			1; transporter activity	lgi; membrane; nucleus; gical process: transport	Pf01436	1,012	0,456	1	828	94,1	5,72		
162138994	phenylalanine--RNA ligase alpha subunit [Mus musculus]	71,62	4,72	1	2	2			2;ke binding: RNA binding	cytoplasm	Pf01409	1,012	0,456	2	14,6	508	57,6	8,28	
46399202	unconventional myosin-Vb [Mus musculus]	570,28	13,86	1	25	27			34;inding: protein binding	mbane; mitochondrion; gical process: transport	Pf00043; Pf01576; Pf01	1,012	0,456	29	11,0	1818	210,4	7,09	
30425054	protein unc-119 homolog B [Mus musculus]	36,12	3,98	1	1	1			1; nd biogenesis	transport	Pf03531	1,012	0,456	1	251	28,3	5,72		
124358932	la-related protein 4 isoform 2 [Mus musculus]	42,47	2,37	2	2	2			2;ke binding: RNA binding	ion of biological process	Pf05383	1,012	0,456	2	0,7	718	79,6	6,51	
25695174	ankyrin repeat, SAM and basic leucine zipper domain-containing p [Mus musculus]	145,31	9,68	1	5	5			5;ignal transducer activity	cytoplasm; n; response to stimulus	Pf00023; Pf00336; Pf07	1,013	0,452	5	8,2	475	53,0	6,24	
6754474	importin subunit alpha-2 [Mus musculus]	330,76	23,44	2	12	12			19;ing: transporter activity	cytoplasm; nucleus	Pf00514; Pf01749	1,013	0,452	19	8,5	529	57,9	5,68	
22165382	casein kinase I isoform alpha [Mus musculus]	100,71	8,31	1	3	3			4;inding: protein binding	ucleus; organelle lumen; is; response to stimulus	Pf00069; Pf07714	1,013	0,452	4	8,4	325	37,5	9,48	
258547156	programmed cell death 6-interacting protein isoform 3 [Mus musculus]	1148,17	42,12	3	42	43			82; protein binding	extracellular; membrane; ; cell division; transport	Pf03097	1,013	0,452	78	9,1	869	96,0	6,52	
118601011	secretory carrier-associated membrane protein 3 [Mus musculus]	46,77	6,88	1	2	2			3; llular; Golgi; membrane	ie to stimulus; transport	Pf04144	1,013	0,452	2	9,5	349	38,4	7,64	
227330633	phosphoglucosyltransferase 2 [Mus musculus]	153,85	21,17	2	11	11			14;tlivity: metal ion binding	n; cytosol; extracellular	Pf00408; Pf02878; Pf02	1,013	0,452	12	9,9	562	61,4	6,57	
78190507	exportin-1 [Mus musculus]	98,45	4,11	1	4	4			4;ing: transporter activity	ucleus; organelle lumen; ie to stimulus; transport	Pf03810; Pf08389; Pf08	1,013	0,452	4	6,1	1071	123,0	6,07	
254587958	RNA 3'-terminal phosphate cyclase [Mus musculus]	70,06	13,11	1	5	5			5;ke binding: RNA binding	ucleus; organelle lumen	Pf01137; Pf05189	1,013	0,452	5	4,2	366	39,2	7,90	
23510313	wiskott-Aldrich syndrome protein family member 2 [Mus musculus]	104,61	17,51	1	8	8			8; protein binding	ndosome; extracellular; ie to stimulus; transport		1,013	0,452	8	4,8	497	54,0	5,53	
227908800	WD repeat-containing protein 11 [Mus musculus]	57,36	0,98	1	1	1			1; protein binding	brane; nucleus; vacuole		1,013	0,452	1		1223	135,9	7,11	
459352741	insulin-degrading enzyme [Mus musculus]	0,00	2,36	1	3	3			3;inding: protein binding	elle lumen; proteasome; ion of biological process	Pf00675; Pf05193	1,014	0,449	3	4,0	1019	117,6	6,47	
27228963	developmental pluripotency-associated protein 5A [Mus musculus]	190,47	38,14	1	5	5	21		1; RNA binding	cytoplasm; ion of biological process		1,014	0,449	20	7,9	118	13,8	6,55	
306922350	serine/threonine-protein kinase CLK2 isoform 3 [Mus musculus]	109,65	8,08	6	5	5			6;tlivity: nucleotide binding	cytoplasm; cytoskeleton; is; response to stimulus	Pf00069; Pf03607; Pf07	1,014	0,449	5	6,3	755	82,8	8,44	
54312076	carboxypeptidase A1 precursor [Mus musculus]	224,17	23,87	1	8	8			11;tlivity: metal ion binding	extracellular	Pf00246; Pf02244	1,014	0,449	11		63	419	47,4	5,67
225543173	cartilage-associated protein precursor [Mus musculus]	26,77	5,25	1	2	2			2; protein binding	reticulum; extracellular; al process: reproduction		1,014	0,449	2	13,3	400	46,1	5,71	
19527102	syntaxin-12 [Mus musculus]	62,91	14,23	1	3	3			6; protein binding	ome; Golgi; membrane; gical process: transport	Pf00804; Pf05739	1,014	0,449	6	6,6	274	31,2	5,44	
7305099	synaptotagmin-like protein 4 [Mus musculus]	45,80	2,38	1	2	2			2;inding: protein binding	ne; membrane; nucleus; gical process: transport	Pf00168	1,014	0,449	2	1,5	673	76,0	8,84	
29788787	heterogeneous nuclear ribonucleoprotein Q isoform 2 [Mus musculus]	356,09	14,23	2	5	7			16;ke binding: RNA binding	cytosol; complex; is; response to stimulus	Pf00076	1,014	0,449	10	6,3	562	62,6	7,56	
79090327	COPII signalosome complex subunit 2 [Mus musculus]	229,18	23,25	1	10	10			21; protein binding	cytoplasm; nucleus; ion of biological process	Pf01399; Pf10075	1,014	0,449	21	7,6	443	51,6	5,53	
334358907	CCA RNA nucleotidyltransferase 1, mitochondrial isoform a [Mus musculus]	48,74	6,22	2	2	2			2;ke binding: RNA binding	skeleton; mitochondrion	Pf01743; Pf12627	1,014	0,449	2	15,2	434	49,9	8,56	
146033923	heterogeneous nuclear ribonucleoprotein U [Mus musculus]	330,80	12,38	1	13	13			22;in binding: RNA binding	; spliceosomal complex; ion of biological process	Pf00642	1,015	0,445	17	14,9	800	87,9	6,24	
30794234	BTB/POZ domain-containing protein 10 [Mus musculus]	93,16	5,68	1	3	3			4; protein binding	cytoplasm; nucleus; nization and biogenesis	Pf02214	1,015	0,445	4	9,8	475	53,7	7,77	
63003917	protein DD11 homolog 2 [Mus musculus]	190,37	20,05	2	8	8			12;activity: protein binding		Pf00077; Pf02040; Pf08	1,015	0,445	12	11,8	399	44,6	5,05	
85701680	keratin, type II cytoskeletal 2 oral [Mus musculus]	155,82	6,90	10	1	5			14;ictural molecule activity	cytoskeleton; nucleus	Pf00036; Pf01576	1,015	0,445	5	3,0	594	62,8	8,43	
163954953	E3 ubiquitin-protein ligase ARIH1 [Mus musculus]	309,59	20,00	1	10	10													

31542956	ubiquitin-conjugating enzyme E2 K [Mus musculus]	403.23	59.00	2	13	13	27-binding: protein binding	cytoplasm	is: response to stimulus	PI00179; PI00627	1,016	0,442	25	6,0	200	22,4	5,44	
13385366	DNA polymerase epsilon subunit 4 [Mus musculus]	81,48	9,32	1	1	1	2-binding: protein binding	ucleus; organelle lumen	esis: metabolic process	PI00125; PI00808	1,016	0,442	2	3,5	118	12,2	4,92	
16033304	apolipoprotein A-I preprotein [Mus musculus]	202,91	43,56	1	14	14	17-binding: transporter activity	it; extracellular; nucleus	ie to stimulus; transport	PI01442	1,016	0,442	17	7,4	244	30,6	5,73	
13385660	pre-mRNA-splicing factor SYF1 [Mus musculus]	0,00	0,82	1	1	1	1	protein binding	is; spliceosomal complex	is: response to stimulus	1,016	0,442	1		855	99,9	6,23	
6679583	ras-related protein Rab-11B [Mus musculus]	243,20	42,66	3	9	9	14-binding: protein binding	mbane; mitochondrion	ie to stimulus; transport	PI00025; PI00071; PI08	1,016	0,442	14	10,7	218	24,5	5,94	
45476577	kinesin-like protein KIF11 [Mus musculus]	92,46	3,23	1	4	4	4-binding: protein binding	cytoplasm; cytoskeleton	ment: metabolic process	PI00225; PI01042	1,016	0,442	4	5,8	1052	118,0	6,00	
12963571	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	35,75	11,50	1	1	1	2	catalytic activity	mbane; mitochondrion	ibolic process; transport	PI07347	1,016	0,442	2	1,6	113	12,6	10,17
186700620	methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial [Mus musculus]	144,98	0,84	1	1	1	1-binding: nucleotide binding	ndrion; organelle lumen	metabolic process	PI00289; PI00364; PI01	1,016	0,442	1		717	79,3	7,83	
21313012	ras-related protein Rab-48 [Mus musculus]	144,98	14,08	1	3	3	4-binding: nucleotide binding	mbane; mitochondrion	ie to stimulus; transport	PI00009; PI00025; PI00	1,017	0,438	1		213	23,6	6,06	
149257598	PREDICTED: 40S ribosomal protein S8 isoform 1 [Mus musculus]	317,66	45,19	3	9	9	18-binding: molecule activity	ular; nucleus; ribosome	metabolic process	PI01201	1,017	0,438	18	8,1	208	24,2	10,32	
19527376	anamorsin [Mus musculus]	103,38	23,30	1	5	5	6-binding: protein binding	ucleus; organelle lumen	ion of biological process	PI05093; PI08241	1,017	0,438	6	13,3	309	33,4	5,20	
126517505	E3 ubiquitin-protein ligase KCMF1 [Mus musculus]	45,67	2,89	1	1	1	1-binding: metal ion binding		metabolic process	PI00569; PI05605	1,017	0,438	1		381	41,8	5,76	
261824055	peptidyl-prolyl cis-trans isomerase FKBP2 precursor [Mus musculus]	149,41	33,57	1	6	6	15	catalytic activity	ic reticulum; membrane	metabolic process	PI00254	1,017	0,438	15	7,6	140	15,3	8,88
33859662	synaptic vesicle membrane protein VAT-1 homolog [Mus musculus]	471,91	18,47	1	7	7	22-binding: nucleotide binding	mbane; mitochondrion	ion of biological process	PI00107; PI08240	1,017	0,438	22	13,1	406	43,1	6,37	
124486923	182 kDa tankyrase-1-binding protein [Mus musculus]	171,09	8,49	1	10	10	11		cytoskeleton; nucleus		1,017	0,438	11	8,9	1720	181,7	4,88	
255683299	peptidyl-prolyl isomerase domain and WD repeat-containing protein	38,90	3,87	1	3	3	3-activity: protein binding	is; spliceosomal complex	metabolic process	PI00160	1,017	0,438	3	29,2	646	73,3	7,15	
189458891	centromere protein F [Mus musculus]	1151,53	21,69	1	62	62	69-binding: transporter activity	ucleus; organelle lumen	igical process; transport	PI01496; PI01576; PI02	1,017	0,438	68	9,5	2997	342,3	5,16	
28892859	fructose-2,6-bisphosphatase TIGAR [Mus musculus]	79,42	6,32	1	1	1	2	catalytic activity	is: response to stimulus	PI00300	1,017	0,438	1		269	29,2	8,18	
6753258	calpain-7 [Mus musculus]	34,45	2,09	1	2	2	2-activity: protein binding	is; extracellular; nucleus	ion of biological process	PI00648; PI01067; PI04	1,017	0,438	2	4,0	813	92,5	7,97	
225543134	thymidine kinase 2, mitochondrial precursor [Mus musculus]	60,14	2,96	1	1	1	1-binding: nucleotide binding	mbane; mitochondrion	esis: metabolic process	PI01712	1,017	0,438	1		1070	31,2	7,21	
23956216	protein SMG8 [Mus musculus]	0,00	1,11	1	1	1	1		ion of biological process	PI10220	1,017	0,438	1		991	109,6	7,77	
54312129	microtubule-associated tumor suppressor 1 homolog isoform 1 [Mus musculus]	67,38	4,88	3	5	5	5-binding: protein binding	ucleus; organelle lumen	ie to stimulus; transport	PI00038; PI01486; PI01	1,017	0,438	5	8,3	1210	134,3	6,86	
115511018	probable ubiquitin carboxyl-terminal hydrolase FAF-X [Mus musculus]	763,02	13,86	5	32	33	47-activity: protein binding	cytoplasm	is: response to stimulus	PI00443	1,017	0,438	42	9,8	2554	290,0	5,83	
21450271	nuclear receptor coactivator 5 [Mus musculus]	0,00	2,25	1	1	1	1	RNA binding	is; extracellular; nucleus	ion of biological process	1,017	0,438	1		579	65,3	9,82	
409971427	baculoviral IAP repeat-containing protein 6 [Mus musculus]	72,01	0,66	1	3	3	3-activity: protein binding	osome; Golgi; membrane	is: response to stimulus	PI00179; PI00653; PF12	1,018	0,434	3	10,4	4873	530,7	6,06	
6753060	annexin A5 [Mus musculus]	117,66	31,97	1	10	10	11-binding: protein binding	ar; membrane; nucleus	is: response to stimulus	PI00191	1,018	0,434	10	24,4	319	35,7	4,96	
83745120	60S acidic ribosomal protein P2 [Mus musculus]	268,82	25,22	1	3	3	9-binding: molecule activity	extracellular; ribosome	metabolic process	PI00428	1,018	0,434	9	10,4	115	11,6	4,54	
9506589	fructose-1,6-bisphosphatase 1 [Mus musculus]	69,10	22,49	1	5	5	5-binding: protein binding	m; cytosol; extracellular	is: response to stimulus	PI00316; PI00459	1,018	0,434	5	7,8	338	36,9	6,57	
323462200	quinone oxidoreductase-like protein 1 isoform 2 [Mus musculus]	0,00	3,00	2	1	1	1-binding: nucleotide binding	cytoplasm; cytosol	metabolic process	PI00107	1,018	0,434	1		333	37,0	6,09	
242247037	serine/threonine-protein kinase 35 isoform b [Mus musculus]	0,00	3,06	2	1	1	1-binding: nucleotide binding	cytoplasm; nucleus	metabolic process	PI00069	1,018	0,434	1		327	35,5	11,52	
6679671	epidermal growth factor receptor substrate 15 isoform A [Mus musculus]	117,96	10,03	2	9	9	11-binding: protein binding	endosome; membrane	nd biogenesis; transport	PI12763	1,018	0,434	9	7,0	897	98,4	4,60	
120587021	GPI transamidase component PIG-T precursor [Mus musculus]	39,37	3,95	1	3	3	3	catalytic activity	ic reticulum; membrane	ment: metabolic process	PI04113	1,018	0,434	3	13,9	582	65,7	8,40
9789907	STIP1 homolog and U-box-containing protein 1 [Mus musculus]	135,34	25,00	1	7	8	9-activity: protein binding	on; membrane; nucleus	is: response to stimulus	PI00515; PI04564; PF12	1,019	0,431	8	6,8	304	34,9	6,01	
58037409	14 kDa phosphohistidine phosphatase [Mus musculus]	297,40	47,58	1	8	8	19-gal transducer activity	m; cytosol; extracellular	ie to stimulus; transport	PI05005	1,019	0,431	16	8,5	124	14,0	5,53	
22165349	centromere/kinetochore protein zw10 homolog [Mus musculus]	140,47	15,53	1	11	11	15		im; membrane; nucleus	igical process; transport	PI06248	1,019	0,431	15	11,9	779	88,0	5,92
9910600	ubiquitin-conjugating enzyme E2 D2 [Mus musculus]	349,58	14,29	2	2	3	13-binding: protein binding		metabolic process	PI00179	1,019	0,431	2	1,8	147	16,7	7,83	
110815824	NACHT, LRR and PYD domains-containing protein 9C [Mus musculus]	205,21	7,27	1	2	8	12	nucleotide binding	cytoplasm		1,019	0,431	2	11,6	1004	115,6	7,62	
22779924	splicing factor 45 [Mus musculus]	0,00	2,22	1	1	1	1-binding: RNA binding	is; spliceosomal complex	metabolic process	PI00076; PI01585	1,019	0,431	1		405	45,3	5,82	
13385326	transmembrane protein C9orf123 homolog [Mus musculus]	0,00	12,61	1	1	1	1		membrane		1,019	0,431	1		111	11,3	9,39	
21703888	translation initiation factor eIF-2B subunit beta [Mus musculus]	56,34	2,56	1	1	1	1-binding: RNA binding	cytoplasm	in: response to stimulus	PI01008	1,019	0,431	1		351	38,9	6,24	
32964973	actin-related protein 3 [Mus musculus]	123,09	22,01	2	8	8	14-binding: protein binding	llular; Golgi; membrane	in: response to stimulus	PI00022	1,019	0,431	11	10,4	418	47,3	5,88	
327315389	CCR4-NOT transcription complex subunit 1 isoform 1 [Mus musculus]	101,67	2,84	4	6	6	6-binding: RNA binding	ar; membrane; nucleus	is: response to stimulus	PI04054; PI12842	1,019	0,431	6	4,2	2326	260,8	7,02	
6755114	peroxiredoxin-5, mitochondrial precursor [Mus musculus]	491,17	40,00	1	8	8	18-activity: protein binding	ucleus; organelle lumen	is: response to stimulus	PI00578; PI08534	1,019	0,431	18	7,8	210	21,9	8,85	
407260973	PREDICTED: transcription elongation factor B polypeptide 1-like [Mus musculus]	789,22	66,07	3	8	8	36	protein binding	ucleus; organelle lumen	ion of biological process	PI03931	1,019	0,431	34	11,0	112	12,5	4,78
157951741	catalsase [Mus musculus]	0,00	4,74	1	2	2	2-binding: protein binding	mitochondrion; vacuole	in: response to stimulus	PI00199; PI06628	1,019	0,431	1		627	59,8	7,88	
73622267	methylcrotonoyl-CoA carboxylase beta chain, mitochondrial [Mus musculus]	18,27	1,07	1	1	1	1-binding: nucleotide binding	ndrion; organelle lumen	metabolic process	PI01039; PI03255	1,019	0,431	1		563	61,3	8,00	
41235736	N-acetyltransferase 14 [Mus musculus]	65,53	14,56	1	2	2	3-binding: catalytic activity	DNA binding	membrane	ion of biological process	1,020	0,427	3	4,2	206	21,8	10,74	
54287684	elongation factor 1-delta isoform b [Mus musculus]	415,98	47,33	2	10	11	26-binding: signal transducer activity	ucleus; organelle lumen	is: response to stimulus	PI00736	1,020	0,427	22	9,3	281	31,3	5,06	
21489933	mitogen-activated protein kinase 3 [Mus musculus]	89,43	18,95	11	3	6	6-binding: signal transducer activity	ucleus; organelle lumen	ie to stimulus; transport	PI00069; PI01636; PI07	1,020	0,427	2	17,8	380	43,0	6,61	
148839318	structural maintenance of chromosomes flexible hinge domain-containing protein 1 [Mus musculus]	45,46	2,39	1	5	5	5-binding: protein binding	ucleus; organelle lumen	ion of biological process	PI06470	1,020	0,427	5	0,9	2007	225,5	7,24	
7305577	mitochondrial import inner membrane translocase subunit Tim8A [Mus musculus]	45,90	22,68	2	2	2	2	metal ion binding	mbane; mitochondrion	nd biogenesis; transport	1,020	0,427	2	12,8	97	11,0	5,16	
255003723	microchidia 3 [Mus musculus]	0,00	2,12	1	2	2	2-binding: protein binding	ucleus; organelle lumen	igical process; transport	PI01576; PI02518; PI05	1,020	0,427	2	15,4	942	106,5	5,68	
295424137	COP9 signalosome complex subunit 1 isoform 1 [Mus musculus]	285,94	21,86	2	12	12	15	protein binding	cytoplasm; nucleus	metabolic process	PI01399; PI01602	1,020	0,427	15	5,26	58,8	6,74	
31981470	39S ribosomal protein L3, mitochondrial [Mus musculus]	25,39	2,01	1	1	1	1-binding: molecule activity	anelle lumen; ribosome	metabolic process	PI00297	1,020	0,427	1		348	39,1	9,55	
156151407	disabled homolog 2 isoform c [Mus musculus]	113,99	9,49	3	4	4	4-binding: receptor activity	ucleus; organelle lumen	ie to stimulus; transport	PI00640	1,020	0,427	4	1,8	527	56,5	6,67	
48928014	ubiquitin carboxyl-terminal hydrolase 47 isoform 2 [Mus musculus]	83,08	4,65	2	6	6	7-activity: protein binding	cytoplasm	is: response to stimulus	PI00443	1,020	0,427	7	5,3	1356	154,7	5,08	
7106387	proteasome subunit alpha type-5 [Mus musculus]	253,46	25,31	1	4	4	10	catalytic activity	r; nucleus; proteasome	metabolic process	PI00227; PI01584	1,020	0,427	10	6,3	241	26,4	4,79
12963675	OClA domain-containing protein 1 isoform 1 [Mus musculus]	38,21	16,60	3	4	4	5		dosome; mitochondrion		1,020	0,427	5	2,1	247	27,6	7,81	
50845420	prostaglandin F2 receptor negative regulator precursor [Mus musculus]	106,71	14,33	1	12	12	12	protein binding	ulum; Golgi; membrane	ization and biogenesis	PI07679; PI07686	1,020	0,427	12	879	98,7	6,61	
146260278	glutathione peroxidase 6 precursor [Mus musculus]	48,39	5,43	1	1	1	1-binding: catalytic activity	extracellular	is: response to stimulus	PI00255	1,020	0,427	1		221	24,9	6,09	
226531227	thyroid hormone receptor interactor 11 [Mus musculus]	50,34	0,46	1	1	1	1-activity: protein binding	lgi; membrane; nucleus	development; transport	PI01576; PI07888; PI09	1,020	0,427	1		1976	226,3	5,26	
31981269	glutaredoxin-3 [Mus musculus]	230,32	15,13	1	7	7	12-binding: RNA binding	is; spliceosomal complex	is: response to stimulus	PI00085; PI00462; PI02	1,020	0,427	12	16,1	337	37,8	5,59	
11096332	UFFO160 protein MYG1, mitochondrial precursor [Mus musculus]	32,78	7,11	1	2	2	2		mitochondrion; nucleus	response to stimulus	PI03690	1,020	0,427	2	4,8	380	42,7	7,02
31560255	regulator of microtubule dynamics protein 1 [Mus musculus]	70,33	7,87	1	2	2	2	protein binding	skeleton; mitochondrion		1,021	0,424	2	5,8	305	35,0	8,70	
30455605	immunoglobulin-binding protein 1 [Mus musculus]	167,48	20,29	1	9	9	14-activity: protein binding	cytoplasm; cytoskeleton	is: response to stimulus	PI04177	1,021	0,424	14	9,2	340	38,9	6,18	
13386060	thioredoxin domain-containing protein 17 [Mus musculus]	69,78	18,70	1	2	2	4-binding: catalytic activity	m; cytosol; extracellular	is: response to stimulus	PI06110	1,021	0,424	4	9,3	123	14,0	4,77	
27754130	prostamide/prostaglandin F synthase [Mus musculus]	0,00	4,98	1	1	1	1-binding: nucleotide binding	reticulum; extracellular	metabolic process	PI00152	1,021	0,424	1		201	21,7	6,74	
145966752	ubiquitin-like protein ATG12 [Mus musculus]	0,00	9,93	1	2	2	2	protein binding	sm; cytosol; membrane	is: response to stimulus	PI02991; PI04110	1,021	0,424	2	4,9	141	15,2	4,97
226423873	drabrin-like protein isoform 3 [Mus musculus]	63,41	11,81	3	4	4	4-binding: protein binding	llular; Golgi; membrane	ie to stimulus; transport	PI00018; PI00241; PI07	1,021	0,424	4	1,2	432	4		

58037525	LSM domain-containing protein 1 [Mus musculus]	62.13	7.20	1		1	1	1	cytoplasm; nucleus	ion of biological process	PI01423	1,022	0,420	1		125	13.4	5.50		
274327800	G2 and S phase-expressed protein 1 [Mus musculus]	59.69	6.61	1		6	6	6	cytoplasm; cytoskeleton			1,022	0,420	6	11.4	741	78.7	9.39		
164663773	RAS p21 protein activator 1 [Mus musculus]	75.35	7.80	1		7	7	7	7 activity: protein binding	cytoplasm; membrane	ss: response to stimulus	PI00017: PI00018: PI00019	1,022	0,420	7	11.2	1038	115.4	6.60	
114205444	60S ribosomal protein L38 [Mus musculus]	32.53	22.86	8		1	2	3	3 ctural molecule activity	lasm: cytosol; ribosome	ion of biological process	PI01781	1,022	0,420	2	7.8	70	8.2	10.10	
29789199	importin-5 [Mus musculus]	441.56	15.13	2	15	15	15	30	ing: transporter activity	lgi: membrane; nucleus	ie to stimulus; transport	PI12755	1,022	0,420	30	7.2	1097	123.5	4.93	
30424613	kyurenine--oxoglutarate transaminase 3 [Mus musculus]	55.08	8.10	1		3	3	3	in binding: RNA binding	toplasm: mitochondrion	metabolic process	PI00155: PI01041: PI01042	1,023	0,417	3	16.3	420	47.3	7.20	
407262390	PREDICTED: UPF0586 protein C9orf41 homolog isoform 1 [Mus musculus]	29.00	5.25	3		2	2	4				PI07942: PI12847	1,023	0,417	4	6.1	400	46.3	6.16	
31560618	mitotic checkpoint protein BUB3 [Mus musculus]	167.64	26.07	1		7	7	10	protein binding	chromosome; nucleus	al process: reproduction	PI00400: PI04762	1,023	0,417	10	15.4	326	36.9	6.84	
12963569	protein phosphatase 1 regulatory subunit 7 [Mus musculus]	163.17	19.39	1		8	8	9	protein binding	extracellular:		PI12799	1,023	0,417	8	8.5	361	41.3	4.92	
9506983	serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform 1 [Mus musculus]	184.31	33.01	1		1	10	16	inding: protein binding	lar: membrane; nucleus	in: response to stimulus	PI00149	1,023	0,417	1		349	35.6	5.54	
27754056	tubulin beta-6 chain [Mus musculus]	783.18	33.78	2		5	14	51	ctural molecule activity	ar: membrane; nucleus	ent: metabolic process	PI00091: PI03953	1,023	0,417	15	10.0	407	50.1	4.89	
13385274	phospholipase B-like 1 precursor [Mus musculus]	0.00	2.18	1		1	1	1	catalytic activity	n: extracellular; vacuole	metabolic process	PI04916	1,023	0,417	1		550	63.0	8.87	
13385558	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8 [Mus musculus]	17.35	4.84	1		1	1	1	catalytic activity	mbane; mitochondrion	ibolic process: transport	PI05821	1,023	0,417	1		186	21.9	6.64	
27229036	signal recognition particle receptor subunit alpha [Mus musculus]	118.42	9.43	1		6	6	6	6 binding: RNA binding	xtracellular: membrane	ibolic process: transport	PI00448: PI02881: PI04048	1,023	0,417	6	7.7	636	69.6	8.95	
13385296	basic leucine zipper and W2 domain-containing protein 1 [Mus musculus]	133.50	10.02	1		5	5	5	in binding: RNA binding	cytoplasm	ion of biological process	PI02020	1,024	0,413	5	3.6	419	48.0	5.92	
38198665	NSFL1 cofactor p47 [Mus musculus]	222.42	32.53	1	10	10	17	17	protein binding	lgi: membrane; nucleus	inization and biogenesis	PI00789: PI08059	1,024	0,413	17	8.5	372	40.9	5.20	
11968166	cathepsin Z preproprotein [Mus musculus]	28.65	2.29	1		1	1	1	catalytic activity	n: extracellular; vacuole	ent: metabolic process	PI00112	1,024	0,413	1		306	34.0	6.60	
21105857	ras-related protein Rab-38 [Mus musculus]	35.83	15.17	2		1	3	3	inding: protein binding	lgi: membrane; nucleus	ie to stimulus; transport	PI00025: PI00071: PI04048	1,024	0,413	1		211	23.8	7.77	
169790909	28S ribosomal protein S9, mitochondrial precursor [Mus musculus]	0.00	1.79	1		1	1	1	1 ctural molecule activity	anelle lumen; ribosome	metabolic process	PI00380	1,024	0,413	1		390	44.9	8.81	
42794773	leucine carboxyl methyltransferase 1 [Mus musculus]	147.10	19.28	1		8	8	9	catalytic activity	cytoplasm; cytosol	ion of biological process	PI04072	1,024	0,413	8		332	38.2	5.62	
21914853	poly(A) polymerase alpha [Mus musculus]	24.02	1.35	1		1	1	1	6 binding: RNA binding	nucleus	metabolic process	PI01909: PI04926: PI04048	1,024	0,413	1		739	82.3	7.34	
472235316	male-enhanced antigen 1 isoform b [Mus musculus]	88.78	7.47	2		1	1	2		cytoplasm	velopment: reproduction	PI06910	1,024	0,413	2	0.2	174	18.6	4.08	
281427244	actin-related protein 2/3 complex subunit 4 isoform 3 [Mus musculus]	55.53	20.51	3	2	2	3	3	protein binding	toskeleton; extracellular	ion of biological process	PI05856	1,024	0,413	3	10.1	78	9.5	7.52	
12963791	retinol dehydrogenase 14 [Mus musculus]	84.85	12.28	1		4	4	4	ivity: nucleotide binding	idion: nucleus; vacuole	ition: metabolic process	PI00106: PI01370: PI08059	1,024	0,413	4	6.1	334	36.3	8.18	
19705578	V-type proton ATPase subunit B, brain isoform [Mus musculus]	463.88	21.53	2	12	12	20	ing: transporter activity	lgi: membrane; vacuole	ibolic process: transport	PI00006: PI00306: PI02020	1,024	0,413	18	10.7	511	56.5	5.81		
6680345	isocitrate dehydrogenase [NAD] subunit gamma 1, mitochondrial [Mus musculus]	44.92	10.94	1		5	5	6	6 ing: nucleotide binding	ucleus; organelle lumen	ion of biological process	PI00180	1,024	0,413	6	8.6	393	42.8	9.01	
158711665	cullin-4B [Mus musculus]	371.50	18.45	1	10	18	26	inding: protein binding	lar: membrane; nucleus	ss: response to stimulus	PI00888: PI10557	1,025	0,410	16	4.9	970	110.6	8.37		
28892973	F-box domain containing protein [Mus musculus]	631.82	22.65	1		7	11	35	protein binding			PI00646: PI12937	1,025	0,410	20	5.7	468	54.4	8.00	
13654268	GDP-L-fucose synthase [Mus musculus]	169.32	13.08	1		3	3	4	ivity: nucleotide binding	extracellular	metabolic process	PI01073: PI01370: PI02020	1,025	0,410	4	8.4	321	35.9	6.74	
31982714	protein BTG4 [Mus musculus]	62.52	9.20	1		2	2	2			ion of biological process	PI07742	1,025	0,410	2		6.9	250	28.6	8.73
23956096	general vesicular transport factor p115 [Mus musculus]	325.52	21.27	1	19	19	25	ing: transporter activity	ucleus; organelle lumen	nd biogenesis: transport	PI04869: PI04871	1,025	0,410	25	5.6	959	106.9	4.93		
33859604	26S protease regulatory subunit 7 [Mus musculus]	368.79	30.53	1	12	12	18	inding: protein binding	n: nucleus; proteasome	ion of biological process	PI00004: PI00158: PI07072	1,025	0,410	17	10.2	475	52.8	6.28		
149262068	PREDICTED: mitotic spindle assembly checkpoint protein MAD2A-like 1 [Mus musculus]	54.21	9.27	2		2	3	3				PI02301	1,025	0,410	3	0.4	205	23.6	5.20	
6755212	proteasome activator complex subunit 1 [Mus musculus]	0.00	9.64	1		2	2	2	2 activity: protein binding	tracellular: proteasome	ion of biological process	PI02251: PI02252	1,025	0,410	2	21.4	249	28.7	5.97	
242332593	regulator complex protein LAMTOR1 [Mus musculus]	46.58	14.91	1		1	1	1	1 ctural molecule activity	lgi: membrane; vacuole	ie to stimulus; transport		1,025	0,410	1		161	17.7	5.15	
241982716	myosin-11 isoform 1 [Mus musculus]	1137.56	21.31	5	34	47	73	ctural molecule activity	itochondrion; nucleus	ibolic process: transport	PI00038: PI00063: PI01041	1,025	0,410	47	6.4	1938	223.2	5.50		
6677805	40S ribosomal protein S4, X isoform [Mus musculus]	262.91	30.42	1	10	10	18	ctural molecule activity	ular: nucleus; ribosome	ion of biological process	PI00900: PI08071	1,025	0,410	17		263	29.6	10.15		
5722238	protein BUD31 homolog [Mus musculus]	26.03	9.71	1		1	1	1		nucleus		PI01125	1,025	0,410	1		103	11.9	8.18	
86262142	RNA-binding protein 14 [Mus musculus]	91.57	8.97	1		5	5	5	5 binding: RNA binding	ucleus; organelle lumen	ion of biological process	PI00076	1,026	0,406	5	10.0	669	69.4	9.67	
116734870	leukotriene A-4 hydrolase [Mus musculus]	62.91	4.09	1		2	2	2	2 in binding: RNA binding	n: extracellular; nucleus	metabolic process	PI01433: PI09127	1,026	0,406	2	28.6	611	69.0	6.42	
19527008	group XV phospholipase A2 precursor [Mus musculus]	0.00	6.31	1		2	2	2	2 catalytic activity	itochondrion; vacuole	metabolic process	PI02450: PI12697	1,026	0,406	2	8.1	412	47.3	6.47	
30425184	clavesin-2 [Mus musculus]	56.58	3.98	2		1	1	1	1 transporter activity	some: Golgi; membrane	nd biogenesis: transport	PI00650: PI03765	1,026	0,406	1		327	37.9	6.20	
13385090	cytochrome c oxidase subunit 6B1 [Mus musculus]	98.86	41.86	2		5	5	8	ivity: transporter activity	mbane; mitochondrion	ibolic process: transport	PI02297	1,026	0,406	8	4.8	86	10.1	8.72	
22122515	activator of 90 kDa heat shock protein ATPase homolog 1 [Mus musculus]	185.32	19.82	1		7	7	13	activity: protein binding	reticulum; extracellular	ss: response to stimulus	PI08327: PI09229	1,026	0,406	13	11.0	338	38.1	5.53	
224922832	far upstream element (FUSE) binding protein 3 [Mus musculus]	40.82	4.87	1		2	3	5	IA binding: RNA binding	cytoplasm; nucleus	ion of biological process	PI00013	1,026	0,406	2	2.6	575	61.9	8.38	
247494234	DnaI (Hsp40) homolog, subfamily C, member 13 [Mus musculus]	262.18	8.43	1	19	19	19	protein binding	lar: membrane; vacuole	cell differentiation		PI00226	1,026	0,406	19	5.3	2243	254.3	6.77	
30794140	protein disulfide-isomerase A5 precursor [Mus musculus]	132.98	16.44	1		8	8	10	catalytic activity	culum: organelle lumen	ss: response to stimulus	PI00085	1,026	0,406	9	8.3	517	59.2	7.50	
157785665	thymidylate kinase isoform 1 [Mus musculus]	138.96	20.28	6		6	6	8	ivity: nucleotide binding	ndion: organelle lumen	ss: response to stimulus	PI02223	1,026	0,406	8	11.7	212	23.9	7.90	
124487341	selenocysteine insertion sequence-binding protein 2-like [Mus musculus]	44.78	1.74	1		2	2	2	2 RNA binding	lasm: Golgi; membrane	transport	PI01248: PI08172	1,027	0,403	2	4.9	1089	119.7	6.23	
11140825	trafficking protein particle complex subunit 4 [Mus musculus]	50.32	3.65	1		1	1	1	protein binding	ulum: Golgi; membrane	ibolic process: transport	PI04099: PI04628	1,027	0,403	1		219	24.4	6.21	
21312520	dihydropyridine reductase [Mus musculus]	409.45	29.88	1		6	6	12	inding: protein binding	xcellular: mitochondrion	ss: response to stimulus		1,027	0,403	12	9.2	241	25.6	7.81	
34147224	fibronectin type III and SPRY domain-containing protein 1 [Mus musculus]	196.58	16.53	1		8	8	9	protein binding	n: cytoskeleton; nucleus	inization and biogenesis	PI00041: PI00622	1,027	0,403	9	11.2	496	55.5	6.67	
189181668	actin-like protein 6A [Mus musculus]	31.88	1.86	1		1	1	1	1 binding: protein binding	ucleus; organelle lumen	ss: response to stimulus	PI00022	1,027	0,403	1		429	47.4	5.60	
166091434	transcription elongation factor SPT6 [Mus musculus]	31.62	0.70	1		1	1	1	in binding: RNA binding	nucleus	ie to stimulus; transport	PI09371: PI12836	1,027	0,403	1		1726	199.0	4.93	
6680832	calmodulin [Mus musculus]	332.14	41.61	3		5	5	28	inding: protein binding	sol: membrane; nucleus	ie to stimulus; transport	PI00036: PI08726: PI12020	1,027	0,403	26	7.3	149	16.8	4.22	
156713458	kelch repeat and BTB domain-containing protein 8 isoform a [Mus musculus]	422.09	23.54	2	15	15	29	protein binding	asm: cytoskeleton; Golgi			PI00651: PI01344: PI07072	1,028	0,399	29	10.7	599	68.6	6.25	
30519997	bleomycin hydrolase [Mus musculus]	158.24	19.34	1		8	8	14	catalytic activity	n: extracellular; nucleus	ss: response to stimulus	PI03051	1,028	0,399	13	16.7	455	52.5	6.48	
309265470	PREDICTED: 60S ribosomal protein L28-like [Mus musculus]	108.71	33.58	2		5	5	6				PI01178	1,028	0,399	6	10.4	137	15.7	11.93	
254540066	serine/threonine-protein kinase graustaal [Mus musculus]	112.78	2.54	10		1	2	3	inding: protein binding	n: cytoskeleton; nucleus	ss: response to stimulus	PI00069: PI01636: PI07072	1,028	0,399	1		865	95.9	5.57	
31982405	transcription factor E2F5 [Mus musculus]	41.94	5.07	2		2	2	2	2 binding: protein binding	cytoplasm; nucleus	ion of biological process	PI02319	1,028	0,399	2	8.0	335	36.5	5.10	
66730553	nuclear fragile X mental retardation-interacting protein 2 [Mus musculus]	71.85	3.47	1		2	2	2	2 ic activity: RNA binding	asm; nucleus; ribosome	metabolic process		1,028	0,399	2	5.6	692	75.6	8.70	
82898755	PREDICTED: 60S ribosomal protein L31-like isoform 1 [Mus musculus]	50.96	19.35	4		3	3	5	5 ctural molecule activity	cytoplasm; ribosome	metabolic process	PI01198	1,028	0,399	5	1.7	124	14.3	10.52	
153791358	splicing factor 3B subunit 1 [Mus musculus]	82.25	5.67	1		7	7	7	7 gnal transducer activity	s: galactosomal complex	ss: response to stimulus	PI02161: PI05109: PI08059	1,028	0,399	7	3.2	1304	145.7	7.09	
42741690	ubiquitin-conjugating enzyme E2 variant 1 [Mus musculus]	55.45	19.05	1		3	4	4	4 activity: protein binding	n: extracellular; nucleus	ss: response to stimulus	PI00179	1,028	0,399	3	1.7	147	16.3	7.96	
117320524	phosphatidylinositol 3-kinase regulatory subunit alpha isoform 2 [Mus musculus]	432.64	25.97	4	21	21	29	activity: protein binding	sol: membrane; nucleus	ie to stimulus; transport	PI00017: PI00620: PI07072	1,029	0,396	29	9.0	724	83.5	6.28		
225903448	natural resistance-associated macrophage protein 2 isoform 1 [Mus musculus]	72.74	4.28	2		2	2	4	ing: transporter activity											

46560563	intersectin-2 isoform 2 [Mus musculus]	257.99	9.17	4	14	14	19 binding: protein binding	ucleus; organelle lumen	ie to stimulus; transport	PI00018; PI00168; PI00	1,030	0,392	18	13,1	1658	188,7	8,25	
169646306	striatin-interacting protein 1 [Mus musculus]	54.73	2.63	1	2	2		n; extracellular; nucleus	ion of biological process	PI07923; PI11882	1,030	0,392	2	0,6	837	95,5	6,25	
13386120	H/AcA ribonucleoprotein complex subunit 2 [Mus musculus]	62.35	6.54	1	1	1	RNA binding	ucleus; organelle lumen	metabolic process	PI01248	1,030	0,392	1		153	17,2	8,41	
244791232	mitochondrial inner membrane organizing system protein 1 [Mus musculus]	0,00	10,53	1	1	1		embrane; mitochondrion		PI04418	1,030	0,392	1		76	8,6	8,94	
47059026	single-stranded DNA-binding protein, mitochondrial isoform 1 [Mus musculus]	80,64	11,49	2	2	2	3A binding; RNA binding	ucleus; organelle lumen	ion of biological process	PI00436	1,030	0,392	3	13,9	148	17,1	9,79	
37574121	SCY1-like protein 2 [Mus musculus]	72,80	4,09	1	4	4	4 binding: protein binding	ome; Golgi; membrane	ie to stimulus; transport	PI00069; PI07714	1,030	0,392	4	8,0	930	103,3	8,02	
21704066	ras-related protein Rap-1a precursor [Mus musculus]	92,69	19,57	1	1	3	3 binding: transporter activity	extracellular; membrane	ie to stimulus; transport	PI00009; PI00071; PI08	1,030	0,392	1		184	21,0	6,67	
9790083	ruvB-like 1 [Mus musculus]	276,47	23,25	1	9	9	12 binding: nucleotide binding	ucleus; organelle lumen	ss; response to stimulus	PI00004; PI01078; PI01	1,030	0,392	12	10,8	456	50,2	6,42	
21704054	syntenin-2 [Mus musculus]	22,45	4,79	1	2	2	2 binding: protein binding	cytoplasm; extracellular		PI00595	1,030	0,392	2	11,4	292	31,5	8,81	
226874891	guanylate kinase isoform 2 [Mus musculus]	49,00	13,53	2	3	3	3 binding: protein binding	cytoplasm; cytosol	ibolic process; transport	PI00625; PI03193; PI05	1,030	0,392	3	21,8	207	22,8	6,40	
227908790	protein unc-45 homolog A [Mus musculus]	37,16	0,85	1	1	1	1 binding: protein binding	toplasm; Golgi; nucleus	hent; metabolic process	PI11701; PI12895	1,030	0,392	1		944	103,4	6,34	
226958601	golgi autoantigen, golgin subfamily b, macrogolgin 1 [Mus musculus]	246,41	5,00	6	16	17	17 binding: RNA binding	lasm; Golgi; membrane	inization and biogenesis	PI05622; PI07888; PI09	1,031	0,389	16	7,9	3238	369,9	5,05	
27754105	ubiquitin-conjugating enzyme E2 G1 [Mus musculus]	62,63	21,18	1	4	4	8 binding: protein binding	extracellular	metabolic process	PI00179	1,031	0,389	8	5,3	170	19,5	5,30	
39930415	integrin-linked kinase-associated serine/threonine phosphatase 2C	28,58	7,65	1	3	3	3 binding: metal ion binding	cytoplasm	ion of biological process	PI00481	1,031	0,389	3	4,7	392	42,7	7,36	
226442759	phosphatidylinositol 4-phosphate 5-kinase type-1 gamma isoform	0,00	1,42	2	1	1	1 binding: protein binding	cytoplasm; membrane	ie to stimulus; transport	PI01504	1,031	0,389	1		635	69,5	5,73	
21450625	eukaryotic initiation factor 4A-I isoform 1 [Mus musculus]	950,93	40,89	2	8	18	53 binding: RNA binding	cytoplasm; extracellular	hent; metabolic process	PI00270; PI00271; PI00	1,031	0,389	33	9,6	406	46,1	5,48	
21703842	IRNA-splicing ligase RtcB homolog [Mus musculus]	312,59	25,35	1	13	13	15 binding: RNA binding	cytoplasm	hent; metabolic process	PI001139	1,031	0,389	15	9,5	505	55,2	7,23	
158635992	PDZ and LIM domain protein 1 [Mus musculus]	299,51	34,25	1	10	10	16 binding: protein binding	cytoplasm; cytoskeleton	ss; response to stimulus	PI00412; PI00595	1,031	0,389	15	14,5	327	35,8	6,84	
19527108	2'-5' oligoadenylate synthetase 1D [Mus musculus]	488,05	36,01	4	9	15	37 binding: RNA binding	cytoplasm	ion of biological process	PI09249; PI10421	1,031	0,389	17	6,0	361	42,8	6,20	
110625954	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial i	113,98	19,35	4	4	4	6 binding: nucleotide binding	mbrane; mitochondrion	ibolic process; transport	PI01257	1,031	0,389	5	4,0	248	27,3	7,40	
167234411	iron-sulfur protein NUBPL precursor [Mus musculus]	23,81	3,13	1	1	1	1 binding: nucleotide binding	toplasm; mitochondrion	inization and biogenesis	PI10609	1,031	0,389	1		319	34,1	9,07	
161353449	RNA-binding protein 25 [Mus musculus]	49,34	3,82	1	2	2	2 binding: RNA binding	ucleus; organelle lumen	ion of biological process	PI00076; PI01480	1,031	0,389	2	1,2	838	99,5	6,32	
300360482	NEDD4 family-interacting protein 2 [Mus musculus]	43,81	7,99	1	2	2	2 binding: transducer activity	mbrane; mitochondrion	ie to stimulus; transport	PI10176	1,031	0,389	2	18,9	338	36,5	5,31	
449083347	fibronectin isoform g precursor [Mus musculus]	41,86	0,41	7	1	1	1 binding: protein binding	extracellular; membrane	ss; response to stimulus	PI00039; PI00040; PI00	1,031	0,389	1		2176	239,6	6,10	
6680840	calumenin isoform 1 precursor [Mus musculus]	378,77	42,86	1	2	13	37 binding: protein binding	extracellular; organelle lumen	ion of biological process		1,031	0,389	9	13,4	315	37,0	4,67	
357197123	target of rapamycin complex subunit LST8 isoform 2 [Mus musculus]	65,48	11,54	2	2	2	3 binding: protein binding	cytoplasm; cytosol	ss; response to stimulus	PI00400	1,031	0,389	3	2,2	260	28,7	5,40	
160333789	sepiapterin reductase [Mus musculus]	185,28	35,88	1	8	8	11 activity: protein binding	mitochondrion; nucleus	ss; response to stimulus	PI00106; PI08659	1,031	0,389	11	9,6	262	27,9	6,21	
163838648	ATP synthase subunit gamma, mitochondrial isoform b [Mus musculus]	297,72	28,47	2	8	8	11 binding: transporter activity	mbrane; mitochondrion	ibolic process; transport	PI00231	1,032	0,385	11	17,1	274	30,2	8,84	
21313242	N-alpha-acetyltransferase 16, NAtA auxiliary subunit [Mus musculus]	145,41	8,68	1	6	8	9 activity: protein binding	cytoplasm; extracellular	ion of biological process	PI12569	1,032	0,385	6	10,2	864	101,2	8,35	
27883844	small nuclear ribonucleoprotein E [Mus musculus]	32,10	13,04	1	1	1	3 binding: RNA binding	ss; spliceosomal complex	esis; metabolic process	PI01423	1,032	0,385	3	31,3	92	10,8	9,44	
254553321	40S ribosomal protein S3a [Mus musculus]	304,06	36,36	1	10	10	20 binding: molecular activity	janelle lumen; ribosome	ion of biological process	PI01015	1,032	0,385	20	15,6	264	29,9	9,73	
31980994	dnal homolog subfamily C member 7 [Mus musculus]	459,62	46,96	1	26	26	37 binding: protein binding	n; extracellular; nucleus	metabolic process	PI00226; PI00515	1,032	0,385	37	7,9	494	56,4	6,49	
6678938	DNA mismatch repair protein Msh2 [Mus musculus]	60,26	11,34	1	9	9	10 binding: protein binding	ucleus; organelle lumen	ion of biological process	PI00488; PI01624; PI05	1,032	0,385	10	14,4	935	104,1	5,96	
154146209	ubiquitin carboxyl-terminal hydrolase 7 [Mus musculus]	228,96	14,32	1	16	16	19 activity: protein binding	plasm; cytosol; nucleus	ss; response to stimulus	PI00443; PI00917; PI12	1,032	0,385	19	5,3	1103	128,4	5,55	
254540156	kcb repeat and BTB (POZ) domain containing 7 [Mus musculus]	107,58	12,32	2	7	7	9 binding: protein binding			PI00651; PI01344; PI07	1,032	0,385	9	15,0	690	77,6	6,01	
261823966	zinc finger protein 638 isoform 1 [Mus musculus]	59,48	1,35	2	3	3	3 binding: RNA binding	nucleus	ion of biological process		1,032	0,385	3	0,2	1926	214,3	6,76	
76559944	mitochondrial translocator assembly and maintenance protein 41 f	56,14	4,75	1	2	2	2 binding: protein binding	toplasm; mitochondrion		PI09139	1,032	0,385	2	10,2	337	37,9	9,11	
295444870	zinc finger protein 513 isoform 2 [Mus musculus]	0,00	2,04	2	1	1	1 binding: metal ion binding	nucleus	ion of biological process		1,032	0,385	1		539	57,6	7,05	
6753862	bis(S'-adenosyl)-triphosphate [Mus musculus]	36,14	15,33	1	2	2	2 binding: protein binding	sol; membrane	nucleus	ss; response to stimulus	PI01230; PI11969	1,032	0,385	2	35,8	150	17,2	6,73
25141233	matrin-3 [Mus musculus]	81,42	8,27	2	8	8	9 binding: RNA binding	ucleus; organelle lumen			1,032	0,385	8	13,6	846	94,6	6,25	
395627630	bridging integrator 2 [Mus musculus]	125,27	15,45	1	7	7	7 binding: protein binding	ytoskeleton; membrane	ie to stimulus; transport	PI03114	1,033	0,382	7	6,0	505	54,7	4,81	
51243034	oysterol-binding protein-like protein 8 isoform a [Mus musculus]	69,50	10,01	4	7	7	7 binding: protein binding	membrane; nucleus	ie to stimulus; transport	PI00169; PI01237	1,033	0,382	7	21,9	889	101,2	6,96	
21218416	developmental pluripotency-associated protein 3 [Mus musculus]	166,63	30,00	1	5	5	8 binding: protein binding	cytoplasm; nucleus	ion of biological process		1,033	0,382	8	4,0	150	17,7	9,64	
15011843	selenide, water dikinase 2 [Mus musculus]	30,46	1,55	1	1	1	1 binding: nucleotide binding	cytoplasm; nucleus	ion of biological process	PI00586; PI02769	1,033	0,382	1		452	47,8	6,06	
27754071	isoamyl acetate-hydrolyzing esterase 1 homolog [Mus musculus]	67,10	8,43	1	2	2	3 binding: catalytic activity			PI00657	1,033	0,382	3	7,1	249	28,0	5,52	
31542873	gamma-aminobutyric acid receptor-associated protein-like 2 [Mus musculus]	33,56	5,98	1	1	1	1 binding: protein binding	lgi; membrane; vacuole	ie to stimulus; transport	PI02991; PI04110	1,033	0,382	1		117	13,7	8,10	
8393156	putative ATP-dependent Clp protease proteolytic subunit, mitoch	101,85	22,06	1	5	5	13 binding: protein binding	ndrion; organelle lumen	esis; metabolic process	PI00574	1,033	0,382	10	3,7	272	29,8	7,47	
15433938	vesicle-associated membrane protein 4 [Mus musculus]	46,10	9,93	1	1	1	1 binding: protein binding	lasm; Golgi; membrane	igical process; transport	PI00957	1,033	0,382	1		141	16,3	7,44	
190610049	5, 10-methylenetetrahydrofolate synthetase-like [Mus musculus]	45,92	16,75	2	3	3	3 binding: nucleotide binding	cytoplasm	metabolic process	PI01812	1,033	0,382	3	1,8	203	23,2	6,70	
6755082	protein kinase C delta type [Mus musculus]	91,29	5,79	1	5	5	7 binding: protein binding	ucleus; organelle lumen	ie to stimulus; transport	PI00069; PI00130; PI00	1,033	0,382	7	8,2	674	77,5	7,39	
295389569	erythroid differentiation-related factor 1 [Mus musculus]	40,67	0,81	1	1	1	1 binding: protein binding	nucleus	ion of biological process	PI12069	1,033	0,382	1		1240	138,9	6,14	
93102415	trifunctional purine biosynthetic protein adenosine-3 [Mus musculus]	56,91	2,48	1	3	3	3 binding: nucleotide binding	cytoplasm; extracellular	ss; response to stimulus	PI00551; PI00586; PI01	1,033	0,382	3	11,0	1010	107,4	6,68	
19482160	coactosin-like protein [Mus musculus]	57,05	23,24	1	4	4	4 binding: protein binding	ar; membrane; nucleus	ie; response to stimulus	PI00241	1,033	0,382	4	7,1	142	15,9	5,40	
31541911	leucine-rich repeat-containing protein 40 [Mus musculus]	77,74	8,31	1	5	5	6 activity: protein binding			PI12799	1,033	0,382	6	8,6	602	68,0	6,84	
159032025	B-cell CLL/lymphoma 7 protein family member B [Mus musculus]	29,38	4,95	3	1	1	1 binding: protein binding			PI04714	1,033	0,382	1		202	22,2	4,75	
31541998	protein DPCD [Mus musculus]	24,57	9,36	1	2	2	2 binding: protein binding	nucleus	elomment; reproduction		1,033	0,382	2		15,2	203	23,0	9,03
260166642	catein beta-1 [Mus musculus]	44,03	8,45	1	4	5	5 binding: molecular activity	ar; membrane; nucleus	ie to stimulus; transport	PI00514	1,033	0,382	4	12,7	781	85,4	5,86	
9789937	dnal homolog subfamily A member 2 [Mus musculus]	280,58	25,49	1	10	10	22 binding: protein binding	ar; membrane; nucleus	ss; response to stimulus	PI00226; PI00684; PI01	1,033	0,382	22	12,7	412	45,7	6,48	
356582489	2-oxoglutarate dehydrogenase, mitochondrial isoform 3 [Mus musculus]	374,07	20,92	4	18	22	40 binding: protein binding	ndrion; organelle lumen	hent; metabolic process	PI00676; PI02779	1,033	0,382	31	25,6	1023	116,4	6,83	
254939694	splicing factor U2AF 35 kDa subunit isoform 1 [Mus musculus]	31,00	3,35	2	1	1	1 binding: RNA binding	ss; spliceosomal complex	metabolic process	PI00076; PI00642	1,033	0,382	1		239	27,8	8,81	
407262909	PREDICTED: 40S ribosomal protein S6-like [Mus musculus]	232,11	32,53	1	8	8	14 binding: molecular activity	janelle lumen; ribosome	ion of biological process	PI01092	1,034	0,378	14	7,6	249	28,7	10,84	
6680748	ATP synthase subunit alpha, mitochondrial precursor [Mus musculus]	1267,48	36,35	1	22	22	63 binding: transporter activity	mitochondrion; nucleus	igical process; transport	PI00006; PI00306; PI02	1,034	0,378	60	17,0	553	59,7	9,19	
6680229	high mobility group protein B2 [Mus musculus]	200,88	34,76	1	8	10	14 binding: RNA binding	n; extracellular; nucleus	ss; response to stimulus	PI00505	1,034	0,378	12	4,5	210	24,1	7,31	
21426889	40S ribosomal protein S11 [Mus musculus]	304,25	43,67	1	8	8	14 binding: molecular activity	n; membrane; ribosome	ition; metabolic process	PI00366	1,034	0,378	14	7,7	158	18,4	10,30	
162417952	leucine-rich repeat flightless-interacting protein 1 isoform 3 [Mus musculus]	126,97	10,75	2	1	4	5 binding: protein binding	m; membrane; nucleus	ion of biological process	PI09738	1,034	0,378	1		428	48,9	5,57	
158631230	store-operated calcium entry-associated regulatory factor [Mus musculus]	56,25	11,02	1	3	3	3 binding: transporter activity	ic reticulum; membrane	igical process; transport	PI06682	1,034	0,378	3	22,1	363	38,7	8,57	
29611663	exosome complex component RRP41 [Mus musculus]	0,00	4,90	1	1	1	1 binding: RNA binding	ucleus; organelle lumen	ss; response to stimulus	PI01138; PI03725	1,034	0,378	1		245	26,2	6,15	
112821677	NACHT, leucine rich repeat and PYD containing 2 [Mus musculus]	1241,46	26,10	1	29	29	62 binding: protein binding	cytoplasm	igical process; transport	PI00004; PI01078; PI02	1,034	0,378	61	10,1	1046	118,6	6,68	
6754086	glutathione S-transferase Mu 5 [Mus musculus]	578,19	42,86	1	10	12	33 activity: protein binding	cytoplasm; nucleus	ss; response to stimulus	PI00043; PI02798	1,034							

6679421	NADPH-cytochrome P450 reductase [Mus musculus]	73.65	8.26	1		6	6	7	binding: protein binding	mbane: mitochondrion	is: response to stimulus	Pf00175: Pf00258: Pf00	1,035	0,375	7		6.5	678	77.0	5.53
144446032	importin subunit alpha-8 [Mus musculus]	78.32	9.82	2		5	5	7	ing: transporter activity	cytoplasm: nucleus	transport	Pf00514: Pf01749	1,035	0,375	5		6.7	499	55.4	6.90
18252790	WD repeat-containing protein 5 [Mus musculus]	159.40	21.56	1		6	6	10	activity: protein binding	ucleus: organelle lumen	ion of biological process	Pf00400: Pf08662	1,035	0,375	10		20.9	334	36.6	8.27
13385914	regulator of G-protein signaling 10 [Mus musculus]	69.49	6.63	1		1	1	1	activity: protein binding	im: membrane	nucleus is: response to stimulus	Pf00615	1,036	0,372	1			181	21.1	6.81
76880489	rab GTPase-activating protein 1 isoform a [Mus musculus]	78.88	1.69	2		2	2	2	ing: transporter activity	ion: cytosol	membrane igital process: transport	Pf00566: Pf00640: Pf00	1,036	0,372	2		5.1	1064	120.7	5.25
33598964	myosin-10 [Mus musculus]	467.96	10.98	1		10	27	42	ing: transporter activity	mitochondrion: nucleus	ie to stimulus: transport	Pf00063: Pf00769: Pf01	1,036	0,372	10		12.7	1976	228.9	5.54
58037267	protein disulfide-isomerase A6 precursor [Mus musculus]	569.45	27.64	1		2	13	34	catalytic activity	brane: organelle lumen	ion of biological process	Pf00085	1,036	0,372	5		5.2	445	48.7	5.19
31559926	zinc-binding alcohol dehydrogenase domain-containing protein 2 [Mus musculus]	29.85	6.37	1		2	2	2	ing: nucleotide binding	toplasm: mitochondrion	metabolic process	Pf00107: Pf08240	1,036	0,372	2		9.4	377	40.5	7.42
112734861	importin-9 [Mus musculus]	139.72	7.40	1		7	7	11	ing: transporter activity	cytoplasm: nucleus	igital process: transport	Pf003810	1,036	0,372	11		7.6	1040	115.9	4.82
336088630	nitrilase homolog 1 isoform 2 [Mus musculus]	0.00	2.76	2		1	1	1	catalytic activity	mitochondrion: nucleus	metabolic process	Pf00795	1,036	0,372	1			290	31.9	7.05
30424776	shootin-1 isoform 2 [Mus musculus]	0.00	2.19	2		1	1	1	protein binding	cytoskeleton	ion of biological process	Pf08317	1,036	0,372	1			456	52.6	5.55
115583687	pre-mRNA-processing-splicing factor 8 [Mus musculus]	90.70	2.78	1		7	7	7	in binding: RNA binding	y: spliceosomal complex	metabolic process	Pf01398: Pf08082: Pf08	1,036	0,372	7		5.3	2335	273.4	8.84
256818804	uncharacterized protein LOC218333 [Mus musculus]	44.74	0.89	1		2	2	2		membrane			1,036	0,372	2		6.3	2241	242.1	5.48
262050570	lys-63-specific deubiquitinase BRCC36 [Mus musculus]	30.41	3.78	1		1	1	1	binding: protein binding	nucleus is: response to stimulus		Pf01398	1,036	0,372	1			291	33.3	5.83
21312246	DNA-directed RNA polymerase II subunit RPB4 isoform 1 [Mus musculus]	80.96	16.90	2		2	2	4	ivity: nucleotide binding	ucleus: organelle lumen	metabolic process	Pf03874	1,037	0,368	4		5.4	142	16.3	4.79
269784762	carbonyl reductase family member 4 [Mus musculus]	48.42	5.08	1		1	1	1	ivity: nucleotide binding	ndrion: organelle lumen	esis: metabolic process	Pf00106: Pf03435: Pf08	1,037	0,368	1			236	25.4	9.69
170014698	cullin-2 [Mus musculus]	86.47	6.31	1		5	5	5	protein binding	cytoplasm: nucleus	metabolic process	Pf00888: Pf10557	1,037	0,368	5		5.5	745	86.8	7.01
12963737	exportin-2 [Mus musculus]	188.81	10.81	1		10	10	12	ing: transporter activity	ar: membrane	nucleus	transport	1,037	0,368	12		14.5	971	110.4	5.77
7657011	DNA damage-binding protein 1 [Mus musculus]	968.81	29.74	1		34	34	78	binding: protein binding	ucleus is: response to stimulus		Pf03178: Pf10433	1,037	0,368	77		13.9	1140	126.8	5.26
67906187	bi-orientation of chromosomes in cell division protein 1 [Mus musculus]	68.93	32.95	1		5	5	6		cytoplasm: cytoskeleton	ization and biogenesis	Pf05205	1,037	0,368	6		7.9	173	18.4	5.90
83921618	ezrin [Mus musculus]	617.28	28.16	3		10	21	55	in binding: RNA binding	ucleus: organelle lumen	igital process: transport	Pf00373: Pf00769: Pf09	1,037	0,368	12		9.5	586	69.4	6.10
115299752	NACHT, LRR and PYD domains-containing protein 9A isoform 2 [Mus musculus]	245.80	10.43	2		6	11	14	nucleotide binding	cytoplasm		Pf02758: Pf05729	1,037	0,368	7		5.8	949	109.7	6.49
85701614	uncharacterized protein LOC105590 [Mus musculus]	58.61	5.82	1		3	3	4	binding: protein binding				1,037	0,368	4		7.2	567	62.4	10.10
197085601	securin isoform 2 [Mus musculus]	44.95	9.04	2		1	1	1	activity: protein binding	cytoplasm: nucleus	in: response to stimulus	Pf04856	1,037	0,368	1			188	20.5	9.48
268839673	UBX domain-containing protein 7 [Mus musculus]	40.23	2.86	1		1	1	1	protein binding	im: membrane	nucleus	Pf00789	1,038	0,365	1			489	54.8	5.16
13195660	DNA replication complex GINS protein SLD5 [Mus musculus]	59.34	4.04	1		1	1	1	protein binding	cytoplasm: nucleus	metabolic process		1,038	0,365	1			223	25.9	5.24
32130521	nuclear export mediator factor Nemf [Mus musculus]	0.00	0.94	1		1	1	1		cytoplasm: nucleus	transport	Pf05670: Pf05833: Pf11	1,038	0,365	1			1064	121.1	6.80
19072792	endoplasmic reticulum resident protein 44 precursor [Mus musculus]	219.73	16.75	1		5	6	12	binding: protein binding	brane: organelle lumen	is: response to stimulus	Pf00085: Pf01216: Pf07	1,038	0,365	9		4.4	406	46.8	5.27
19064696	villin-1 [Mus musculus]	36.07	2.66	1		2	2	2	binding: protein binding	cytoskeleton: extracellular	is: response to stimulus	Pf00626: Pf12209	1,038	0,365	2			827	92.7	6.04
113199755	armadillo repeat-containing protein 6 [Mus musculus]	47.71	4.27	1		2	2	2	protein binding		rentiation: development	Pf00514	1,038	0,365	2		1.6	468	50.7	6.00
46877043	engulfment and cell motility protein 2 isoform 3 [Mus musculus]	25.48	0.97	4		1	1	1	protein binding	ion: cytosol	membrane	ie to stimulus: transport	1,038	0,365	1			721	720	5.96
377837185	PREDICTED: NHP2-like protein 1-like [Mus musculus]	120.67	24.22	2		3	3	4	RNA binding	y: spliceosomal complex	ic process: reproduction	Pf01248	1,038	0,365	4		5.5	128	14.2	8.46
407260978	PREDICTED: DNA repair protein SWI5 homolog [Mus musculus]	63.11	29.21	2		3	3	3	protein binding	ucleus: organelle lumen	is: response to stimulus	Pf07061	1,038	0,365	2		3.0	89	10.3	4.77
345842335	obscurin isoform 1 [Mus musculus]	0.00	0.12	1		1	1	1	binding: protein binding	ytoskeleton: membrane	is: response to stimulus	Pf00041: Pf00047: Pf00	1,038	0,365	1			8032	874.0	5.96
258547104	E3 ubiquitin-protein ligase synoviolin precursor [Mus musculus]	0.00	1.63	1		1	1	1	binding: protein binding	im: membrane	nucleus is: response to stimulus	Pf00097: Pf12678: Pf12	1,038	0,365	1			6122	67.3	6.95
40068491	probable ATP-dependent RNA helicase DDX17 isoform 2 [Mus musculus]	268.76	26.78	3		4	10	17	in binding: RNA binding	nucleus is: response to stimulus		Pf00270: Pf00271	1,038	0,365	4		4.8	407	46.3	8.00
16418339	60S ribosomal protein L10 [Mus musculus]	140.86	20.09	4		6	6	11	actual molecule activity	nic reticulum: ribosome	metabolic process	Pf00252	1,038	0,365	11		8.9	214	24.6	10.08
6753412	craniofacial development protein 1 [Mus musculus]	45.24	3.39	1		1	1	1		extracellular	ion of biological process	Pf07572	1,039	0,362	1			295	32.9	4.86
226530884	protein-L-isoadipate(D-aspartate) O-methyltransferase [Mus musculus]	147.21	24.91	1		8	8	9	catalytic activity	cytoplasm: membrane	metabolic process	Pf01135: Pf01209: Pf05	1,039	0,362	9		8.3	285	40.4	8.35
63999380	alpha-2-macroglobulin receptor-associated protein precursor [Mus musculus]	350.68	33.33	1		14	14	29	protein binding	brane: organelle lumen	is: response to stimulus	Pf00400: Pf06401	1,039	0,362	29		12.1	360	42.2	7.87
54261730	receptor expression-enhancing protein 2 isoform 1 [Mus musculus]	0.00	6.69	2		2	2	3	protein binding	ic reticulum: membrane	nd biogenesis: transport	Pf03134	1,039	0,362	3		1.3	254	28.4	9.41
145966911	transmembrane emp24 domain-containing protein 9 precursor [Mus musculus]	120.12	8.51	1		3	3	8	protein binding	llular: Golgi	membrane igital process: transport	Pf01105	1,039	0,362	8		8.2	235	27.1	8.41
225543482	N-alpha-acetyltransferase 15, NATA auxiliary subunit [Mus musculus]	101.13	6.59	1		4	6	8	in binding: RNA binding	cytoplasm: nucleus	ion of biological process	Pf12569	1,039	0,362	5		5.0	865	101.0	7.52
13385484	ATP synthase subunit epsilon, mitochondrial [Mus musculus]	54.12	28.85	1		2	2	3	ivity: transporter activity	mbane: mitochondrion	ibolic process: transport	Pf04627	1,039	0,362	3		9.1	52	5.8	10.01
31982726	SRSF protein kinase 1 [Mus musculus]	30.18	1.23	1		1	1	1	in binding: RNA binding	ucleus: organelle lumen	is: response to stimulus	Pf00069: Pf07714	1,039	0,362	1			648	73.0	6.19
54027904	E3 ubiquitin-protein ligase RNF123 [Mus musculus]	55.25	0.84	1		1	1	1	binding: protein binding	cytoplasm	metabolic process	Pf00622	1,039	0,362	1			1314	148.6	6.70
205361114	dnaI homolog subfamily A member 3, mitochondrial isoform 2 [Mus musculus]	135.03	13.25	2		6	6	8	binding: protein binding	ucleus: organelle lumen	is: response to stimulus	Pf00226: Pf00684: Pf01	1,039	0,362	8		18.5	435	49.5	9.31
13385958	40S ribosomal protein S27-like [Mus musculus]	53.00	25.00	2		2	2	4	lation regulator activity	asm: nucleus: ribosome	is: response to stimulus	Pf01667	1,039	0,362	3		25.7	84	9.5	9.45
22094989	mitochondrial import inner membrane translocase subunit TIM50 [Mus musculus]	129.94	11.61	1		4	4	4	activity: protein binding	ucleus: organelle lumen	ie to stimulus: transport	Pf03031	1,039	0,362	4		1.6	353	39.8	8.13
274325486	leucine-rich repeat and calponin homology domain-containing protein 1 [Mus musculus]	0.00	2.16	2		2	2	2	protein binding	ucleus: organelle lumen	ion of biological process	Pf00307: Pf12799	1,040	0,358	2		12.6	649	69.9	6.89
14192922	actin, alpha cardiac class 1 [Mus musculus]	1837.99	35.28	2		15	15	158	binding: protein binding	cytoskeleton: extracellular	is: response to stimulus	Pf00022	1,040	0,358	14		6.5	377	42.0	5.39
115270981	colled-coil domain-containing protein 69 [Mus musculus]	74.52	14.85	5		3	3	3					1,040	0,358	3		7.2	202	23.3	6.99
91598596	sorting nexin-18 [Mus musculus]	64.23	8.46	1		5	5	7	activity: protein binding	xtracellular: membrane	igital process: transport	Pf00018: Pf00787: Pf03	1,040	0,358	7		6.1	615	67.7	6.46
28076969	glucose 1,6-bisphosphate synthase [Mus musculus]	155.68	17.71	1		11	11	15	catalytic activity	cytoplasm: cytosol	metabolic process	Pf00408: Pf02878: Pf02	1,040	0,358	15		12.3	621	70.2	6.49
30578432	NAD-dependent protein deacylase sirtuin-5, mitochondrial [Mus musculus]	95.61	20.00	1		4	4	6	inding: protein binding	ucleus: organelle lumen	ion of biological process	Pf02246: Pf02233	1,040	0,358	6		6.0	310	34.1	8.53
84871978	C-Myc-binding protein [Mus musculus]	94.54	42.72	1		4	4	6		y: cytoskeleton: nucleus	al process: reproduction		1,040	0,358	6		4.3	103	12.0	5.91
81295807	selenoprotein O [Mus musculus]	0.00	2.70	1		2	2	2				Pf02696	1,040	0,358	2		6.2	667	74.2	5.83
144922638	kinectin [Mus musculus]	612.26	16.65	1		22	22	29	in binding: RNA binding	ic reticulum: membrane	r component movement	Pf04156: Pf05557: Pf09	1,040	0,358	29		9.7	1327	152.4	5.90
21312776	tumor protein p63-regulated gene 1-like protein [Mus musculus]	51.61	3.01	1		1	1	1	protein binding	cytoplasm: extracellular		Pf12456	1,040	0,358	1			266	29.8	7.37
160298213	glutathione reductase, mitochondrial precursor [Mus musculus]	196.23	12.60	1		6	6	9	inding: protein binding	mbane: mitochondrion	al process: reproduction	Pf00070: Pf02852: Pf07	1,040	0,358	9		6.2	500	53.6	7.99
118130771	tyrosine-protein phosphatase non-receptor type 6 isoform a [Mus musculus]	0.00	1.51	2		1	1	1	ignal transducer activity	ucleus: organelle lumen	ie to stimulus: transport	Pf00017: Pf00102: Pf00	1,040	0,358	1			595	67.5	7.81
51593084	probable global transcription activator SNF-Δ2 isoform 1 [Mus musculus]	56.53	2.40	2		1	4	4	inding: protein binding	ucleus: organelle lumen	ion of biological process	Pf00176: Pf00270: Pf00	1,040	0,358	1			1583	180.6	7.20
12963539	protein ETHE1, mitochondrial precursor [Mus musculus]	180.05	30.31	1		7	7	8	ivity: metal ion binding	ucleus: organelle lumen	metabolic process	Pf00753: Pf12706	1,041	0,355	8		3.3	254	27.7	7.23
58037305	alpha-(1-3)-fucosyltransferase 1 precursor [Mus musculus]	95.65	5.93	1		3	3	3	catalytic activity	lasm: Golgi: membrane	metabolic process	Pf00852	1,041	0,355	3		3.6	489	55.5	6.23
6678137	signal recognition particle receptor subunit beta [Mus musculus]	155.47	19.33	1		4	4	5	inding: protein binding	ic reticulum: membrane	is: response to stimulus	Pf00025: Pf09439	1,041	0,355	5					

108872	ATP-dependent RNA helicase SUPV3L1, mitochondrial precursor [Mus musculus]	0.00	16	1	1	1	1	in binding: RNA binding	nucleus; organelle lumen	ion of biological process	Pf00271; Pf12513	1.042	0.352	1			779	87.0	7.84
170763467	mitochondrial import inner membrane translocase subunit TIM44 [Mus musculus]	235.08	29.87	1	12	12	16	ing: transporter activity	nucleus; organelle lumen	transport	Pf04280	1.042	0.352	16		9.7		51.1	8.13
17932368	glyoxylate reductase/hydroxypyruvate reductase [Mus musculus]	120.34	22.26	1	7	7	15	inding: protein binding	nucleus; cytosol; extracellular space	metabolic process	Pf00389; Pf01488; Pf02	1.043	0.348	15		8.0		328	7.65
31543245	protein Mdm4 [Mus musculus]	161.93	16.56	1	8	8	10	inding: protein binding	nucleus; response to stimulus		Pf00641; Pf02201	1.043	0.348	10		19.0		489	5.35
58037511	UPF0489 protein C5orf22 homolog isoform b [Mus musculus]	32.61	4.07	1	1	1	1				Pf12640	1.043	0.348	1				442	4.81
23956082	60S ribosomal protein L5 [Mus musculus]	136.85	21.89	3	8	8	15	ctural molecule activity	nucleus; organelle lumen	ion of biological process	Pf00861	1.043	0.348	15		9.5		297	34.4
227430309	NAD-dependent protein deacetylase sirutin-1 isoform 2 [Mus musculus]	0.00	1.43	2	1	1	1	inding: protein binding	nucleus; organelle lumen	ion to stimulus; transport	Pf02146	1.043	0.348	1				698	76.0
166235127	RNA-binding protein 28 [Mus musculus]	0.00	0.93	1	1	1	1	binding: RNA binding	y; spliceosomal complex	metabolic process	Pf00076	1.043	0.348	1				750	84.2
6671702	T-complex protein 1 subunit epsilon [Mus musculus]	635.21	30.31	1	20	20	44	inding: protein binding	nucleus; organelle lumen	ion; response to stimulus	Pf00118	1.043	0.348	43		10.3		541	59.6
226442772	membrane-associated progesterone receptor component 2 [Mus musculus]	55.41	20.28	1	2	2	3	rotein binding	membrane		Pf00173	1.043	0.348	3		15.4		217	23.3
7305261	methyl-CpG-binding domain protein 3 [Mus musculus]	69.82	7.02	1	2	2	2	inding: protein binding	nucleus; organelle lumen	ion of biological process	Pf01429	1.043	0.348	2		7.1		285	32.1
12385752	39S ribosomal protein L49, mitochondrial [Mus musculus]	0.00	8.43	1	1	1	1	ctural molecule activity	nucleus; organelle lumen	ion; metabolic process	Pf05046	1.043	0.348	1				166	19.1
19482172	retinol dehydrogenase 11 precursor [Mus musculus]	167.90	19.94	1	6	6	8	lity; nucleotide binding	c reticulum; membrane	; response to stimulus	Pf00106; Pf08659	1.043	0.348	8		8.8		316	35.1
84872207	RNA-binding motif, single-stranded-interacting protein 2 isoform b [Mus musculus]	45.13	10.70	2	3	3	3	binding: RNA binding	nucleus		Pf00076	1.043	0.348	3		23.3		365	37.6
139948802	ubiquitin carboxyl-terminal hydrolase isozyme L3 [Mus musculus]	264.56	31.74	2	7	7	15	activity: protein binding	mitochondrion; nucleus	; response to stimulus	Pf01088	1.044	0.345	15		8.8		230	26.1
126157472	uncharacterized protein LOC97476 [Mus musculus]	24.62	5.36	1	2	2	2	metal ion binding			Pf00446	1.044	0.345	2		8.3		429	47.2
29244158	F-box and WD-40 domain protein 19 [Mus musculus]	727.34	29.18	1	9	16	57	rotein binding			Pf00646; Pf12937	1.044	0.345	29		8.0		466	53.6
255760052	COP9 signalosome complex subunit 7a isoform 2 [Mus musculus]	292.61	40.43	2	10	10	19	rotein binding	cytoplasm; nucleus	metabolic process	Pf01399	1.044	0.345	18		9.9		277	30.4
31543767	protein sprouty homolog 4 [Mus musculus]	56.20	14.33	1	3	3	4	rotein binding	lasma; Golgi; membrane	; response to stimulus	Pf05210	1.044	0.345	4		3.9		300	32.5
31564627	tumor protein D54 [Mus musculus]	244.38	38.64	1	11	11	18	in binding: RNA binding	cytoplasm		Pf04201	1.044	0.345	16		10.5		220	24.0
358439536	mitochondrial inner membrane protein isoform 4 [Mus musculus]	931.10	36.81	2	1	32	57	in binding: RNA binding	mbraane; mitochondrion	cellular homeostasis	Pf09731	1.044	0.345	3		12.4		709	78.7
485050421	FYVE and coiled-coil domain-containing protein 1 [Mus musculus]	18.41	3.37	1	3	3	3	inding: motor activity	ne; membrane; vacuole	movement; transport	Pf01363; Pf01576; Pf02	1.044	0.345	3		14.1		1437	162.2
28201989	F-box only protein 28 [Mus musculus]	0.00	3.80	1	1	1	1	rotein binding			Pf00646	1.044	0.345	1				368	41.0
295789082	neuronal membrane glycoprotein M6-b isoform 6 [Mus musculus]	0.00	3.25	1	6	1	1		membrane	gical process; transport	Pf01275	1.044	0.345	1				246	26.8
293651575	oocyte specific homeobox 2 [Mus musculus]	152.28	45.03	1	2	6	12	DNA binding	nucleus	ion of biological process	Pf00076	1.044	0.345	2		19.3		151	17.3
8394239	squamous cell carcinoma antigen recognized by T-cells 3 [Mus musculus]	419.53	13.20	1	14	14	21	binding: RNA binding	nucleus; organelle lumen	ion of biological process	Pf00076	1.045	0.342	20		8.3		962	109.5
31575998	ATP synthase subunit e [Mus musculus]	0.00	25.35	1	2	2	2	lity: transporter activity	mbraane; mitochondrion	olitic process; transport	Pf05680	1.045	0.342	2		0.6		71	8.2
227908803	nodal modulator 1 precursor [Mus musculus]	193.52	7.83	1	8	8	10	catalytic activity	c reticulum; membrane		Pf00076	1.045	0.342	10		15.7		1214	133.3
110625724	pachytene checkpoint protein 2 homolog [Mus musculus]	44.18	3.01	1	1	1	1	inding: RNA binding	nucleus	ion; response to stimulus	Pf00004; Pf00910; Pf05	1.045	0.342	1				432	48.3
17184423	proline-serine-threonine phosphatase-interacting protein 1 [Mus musculus]	0.00	1.69	1	1	1	1	activity: protein binding	cytoplasm; cytoskeleton	ion to stimulus; transport	Pf00018; Pf00611; Pf07	1.045	0.342	1				415	47.5
150378458	disintegrin and metalloprotease domain-containing protein 10 precursor [Mus musculus]	126.70	13.22	1	9	9	9	inding: protein binding	lgi; membrane; nucleus	ion to stimulus; transport	Pf00200; Pf01421; Pf01	1.045	0.342	9		8.1		749	83.9
33562266	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4 [Mus musculus]	194.23	56.10	1	7	7	14	ing: transporter activity	mbraane; mitochondrion	olitic process; transport	Pf06522	1.045	0.342	14		8.0		82	9.3
30841021	ADP-ribosylation factor GTPase-activating protein 3 [Mus musculus]	33.46	7.82	1	3	3	3	lity: metal ion binding	tosol; Golgi; membrane	gical process; transport	Pf01412	1.045	0.342	3		7.1		524	57.5
169234938	ATP-binding cassette sub-family B member 7, mitochondrial [Mus musculus]	69.51	3.99	1	3	3	3	ing: transporter activity	mbraane; mitochondrion	olitic process; transport	Pf00005; Pf00664	1.045	0.342	3		10.4		752	82.5
140210054	afatoxin B1 aldehyde reductase member 2 [Mus musculus]	206.12	31.61	1	13	13	21	catalytic activity	ir; Golgi; mitochondrion	metabolic process	Pf00248	1.045	0.342	19		13.5		367	40.6
189491666	DET1- and DDB1-associated protein 1 [Mus musculus]	33.76	7.84	1	1	1	1				Pf10172	1.045	0.342	1				102	11.7
23956214	splicing factor, proline- and glutamine-rich [Mus musculus]	144.98	17.60	1	10	11	15	in binding: RNA binding	nucleus; organelle lumen	ion; response to stimulus	Pf00076; Pf08075	1.045	0.342	13		12.1		699	75.4
23956166	luc7-like protein 3 [Mus musculus]	70.11	6.11	1	3	3	3	A binding: RNA binding	membrane; nucleus	ion; response to stimulus	Pf03194	1.046	0.338	3		3.8		491	58.4
46909607	UDP-N-acetylglucosamine-peptide N-acetylglucosaminyltransferase 1 [Mus musculus]	67.59	3.73	1	4	4	4	activity: protein binding	nucleus; organelle lumen	ion; response to stimulus	Pf00515; Pf04184; Pf07	1.046	0.338	4		5.4		1046	116.9
31711990	protein LSM12 homolog [Mus musculus]	21.90	4.04	1	1	1	1				Pf09793	1.046	0.338	1				195	21.7
237757269	CUGBP Elav-like family member 2 isoform 7 [Mus musculus]	25.14	1.69	1	1	1	1	binding: RNA binding	cytoplasm; nucleus	esis; metabolic process	Pf00076	1.046	0.338	1				472	49.9
7305559	protein TCL1B4 [Mus musculus]	82.32	15.83	2	2	2	2				Pf01840	1.046	0.338	2		2.1		120	14.1
169259772	protein TSSC4 isoform 1 [Mus musculus]	26.18	3.15	1	1	1	1				Pf00076	1.046	0.338	1				317	33.5
7710086	ras-related protein Rab-10 [Mus musculus]	150.76	24.00	2	5	6	10	inding: protein binding	lgi; membrane; nucleus	ion to stimulus; transport	Pf00025; Pf00071; Pf04	1.046	0.338	6		8.5		200	22.5
13385810	protein PBDC1 [Mus musculus]	110.44	21.21	1	4	4	8				Pf04669	1.046	0.338	8		17.7		198	22.2
365774424	serine/threonine-protein kinase OSR1 [Mus musculus]	47.10	4.93	1	2	2	7	ginal transducer activity	cytoplasm; extracellular space	; response to stimulus	Pf00069; Pf07714; Pf12	1.046	0.338	2		9.9		527	58.2
41054974	nuclear protein localization protein 4 homolog isoform B [Mus musculus]	109.35	10.07	2	5	5	6	inding: protein binding	ir; membrane; nucleus	ionization and biogenesis	Pf05020; Pf05021; Pf11	1.046	0.338	6		15.1		576	64.3
13385384	26S proteasome non-ATPase regulatory subunit 12 [Mus musculus]	73.42	15.13	1	6	6	7	rotein binding	tracellular; proteasome		Pf01399	1.046	0.338	7		18.1		456	52.9
224922828	RNA-binding protein 42 [Mus musculus]	38.30	1.26	1	1	1	1	binding: RNA binding	cytoplasm; nucleus		Pf00076	1.046	0.338	1				478	50.2
228008286	transmembrane protein 135 [Mus musculus]	0.00	4.15	1	2	2	2		cytoplasm; membrane	ionization and biogenesis	Pf02466	1.046	0.338	2		6.4		458	52.3
6679961	myotrophin [Mus musculus]	156.89	31.36	3	3	3	6	rotein binding	elekon; cytosol; nucleus	; response to stimulus	Pf00023; Pf12796	1.047	0.335	6		4.6		118	12.9
257900520	MAGUK p55 subfamily member 6 isoform b [Mus musculus]	0.00	1.67	2	1	1	1	activity: protein binding	tracellular; membrane	metabolic process	Pf00018; Pf00595; Pf00	1.047	0.335	1				539	60.9
160298209	aspartate aminotransferase, cytoplasmic [Mus musculus]	125.16	17.92	1	6	6	6	catalytic activity	llular; nucleus; vacuole	; response to stimulus	Pf00155	1.047	0.335	6		13.0		413	46.2
172088163	folylpolyglutamate synthase, mitochondrial precursor [Mus musculus]	45.55	2.90	1	2	2	2	lity: nucleotide binding	nucleus; organelle lumen	nent; metabolic process	Pf02875	1.047	0.335	1		4.1		587	64.9
134152669	arginine and glutamate-rich protein 1 [Mus musculus]	46.44	2.95	1	1	1	1		mitochondrion; nucleus		Pf00076	1.047	0.335	1				271	32.9
34328236	ubiquitin-2 [Mus musculus]	36.80	5.02	2	1	3	3	rotein binding	ir; membrane; nucleus		Pf00240; Pf00627; Pf11	1.047	0.335	1				638	67.3
70608144	DNA fragmentation factor subunit alpha isoform b [Mus musculus]	0.00	6.04	2	1	1	1	rotein binding	nucleus; organelle lumen	ion of biological process	Pf02017; Pf09033	1.047	0.335	1				265	29.2
13385680	2,4-dienoyl-CoA reductase, mitochondrial precursor [Mus musculus]	40.76	2.39	1	1	1	1	lity: nucleotide binding	mitochondrion; nucleus	esis; metabolic process	Pf00106; Pf08659	1.047	0.335	1				335	36.2
6753918	AKT-interacting protein [Mus musculus]	24.52	2.40	1	1	1	1	catalytic activity	nucleus; organelle lumen	gical process; transport	Pf00179	1.047	0.335	1				292	32.9
25072201	uncharacterized protein C10orf118 homolog [Mus musculus]	82.88	6.76	1	6	6	6	nucleotide binding			Pf10498	1.047	0.335	6		2.4		917	104.8
160333600	F-box only protein 38 [Mus musculus]	43.32	1.42	1	2	2	2	rotein binding	cytoplasm; nucleus		Pf00076	1.047	0.335	2		1.6		1194	133.8
124248487	tumor suppressor candidate 3 precursor [Mus musculus]	123.96	17.00	1	7	7	10	lity: transporter activity	mbraane; mitochondrion	gical process; transport	Pf04756	1.047	0.335	10		22.7		347	39.5
84662745	guanine nucleotide-binding protein G(q) subunit alpha [Mus musculus]	106.26	6.69	2	1	2	2	ginal transducer activity	brane; nucleus; vacuole	ion to stimulus; transport	Pf00025; Pf00503	1.047	0.335	1				359	42.1
19527310	peptidyl-prolyl cis-trans isomerase F, mitochondrial precursor [Mus musculus]	105.22	20.87	1	4	5	5	activity: protein binding	nucleus; organelle lumen	ion to stimulus; transport	Pf00160	1.047	0.335	4		7.7		206	21.7
765085	zyxin [Mus musculus]	0.00	1.95	1	1	1	1	in binding: RNA binding	y; cytoskeleton; nucleus	; response to stimulus	Pf00412	1.048	0.332	1				564	60.5
16716349	nuclear pore glycoprotein p62 [Mus musculus]	58.12	1.90	1	1	1	1	ctural molecule activity	on; membrane; nucleus	ion to stimulus; transport	Pf05064	1.048	0.332	1				526	53.2
226958581	von Willebrand factor A domain-containing protein B isoform 2 precursor [Mus musculus]	31.62	2.22	2	2	2	2	lity: nucleotide binding	acellular; mitochondrion		Pf07728	1.048	0.332	2		7.7		1038	116.1
162287241	E3 ubiquitin-protein ligase UHRF1 isoform B [Mus musculus]	3180.73	41.86	3	39	39	206	inding: protein binding	nucleus; organelle lumen	ion; response to stimulus	Pf00097; Pf00240; Pf00	1.048	0.332	187		12.6		774	87.5
258613892	structural maintenance of chromosomes protein 1A [Mus musculus]	51.92	3.08	4	4	4	4	in binding: RNA binding	nucleus; organelle lumen	ion; response to stimulus	Pf02463; Pf05262; Pf05	1.048	0.332	4		15.0		1233	143.1

226062273	interferon-related developmental regulator 1 [Mus musculus]	44,47	2,00	1		1	1	1	nucleus;entiation: development	PI04836; PI05004	1,049	0,329	1		449	49,9	7,18			
6680019	glutamate--cysteine ligase regulatory subunit [Mus musculus]	60,46	14,96	1		3	3	3	activity: protein binding	cytoplasm;is: response to stimulus	PI00248	1,049	0,329	3		274	30,5	5,52		
162417959	ephexin-1 isoform 2 [Mus musculus]	19,77	1,61	2		1	1	1	protein binding	cytoplasm; membrane;is: response to stimulus	PI00018; PI00169; PI00	1,049	0,329	1	4,8	620	71,4	5,24		
29789158	NHL repeat-containing protein 2 [Mus musculus]	126,81	7,59	1		5	5	5	activity: protein binding	metabolic process	PI00578; PI01436	1,049	0,329	5	6,6	725	78,4	5,54		
10946870	alcohol dehydrogenase [NADP(+)] [Mus musculus]	740,58	49,85	2		16	16	62	catalytic activity	xtracellular; membrane	PI00248	1,049	0,329	47	11,6	325	36,6	7,39		
6754744	DNA mismatch repair protein Msh6 [Mus musculus]	47,21	2,95	1		4	4	4	binding: protein binding	ucleus; organelle lumen;is: response to stimulus	PI00488; PI00855; PI01	1,049	0,329	4	4,0	358	151,0	6,73		
24431937	nmrA-like family domain-containing protein 1 [Mus musculus]	58,40	6,15	1		2	2	2	lity: nucleotide binding	ucleus; organelle lumen;ollic process; transport	PI00106; PI02254; PI05	1,049	0,329	2	4,7	1309	34,4	6,86		
293597569	fructose-bisphosphate aldolase A isoform 2 [Mus musculus]	1187,65	46,70	5		23	23	75	in binding: RNA binding	mitochondrion; nucleus;is: response to stimulus	PI00274	1,049	0,329	73	13,0	364	39,3	8,09		
29336059	DNA-directed RNA polymerase II subunit RPB3 [Mus musculus]	0,00	2,91	1		1	1	1	binding: protein binding	ucleus; organelle lumen	PI01000; PI01193	1,049	0,329	1	275	31,4	4,92			
238231384	proteasome subunit beta type-6 precursor [Mus musculus]	119,06	18,07	1		4	4	6	catalytic activity	r: nucleus; proteasome	PI00227	1,049	0,329	6	3,5	238	25,4	5,11		
75677435	fatty aldehyde dehydrogenase [Mus musculus]	115,51	14,46	6		7	7	9	catalytic activity	mitochondrion; nucleus;is: response to stimulus	PI00171	1,050	0,326	8	11,9	484	53,9	8,35		
259155336	cTAGE family member 5 isoform 2 [Mus musculus]	50,98	5,83	3		5	5	5	protein binding	m: membrane; nucleus;d biogenesis; transport	PI02463; PI04156; PI05	1,050	0,326	5	9,0	772	86,7	5,29		
30794450	60S ribosomal protein L4 [Mus musculus]	375,97	22,20	1		13	13	29	ctural molecule activity	anelle lumen; ribosome	PI00573	1,050	0,326	28	13,1	419	47,1	11,00		
154240716	integrin alpha-V precursor [Mus musculus]	89,11	5,27	1		6	6	7	ing: transporter activity	ar: membrane; nucleus;e to stimulus; transport	PI01839; PI08441	1,050	0,326	6	2,7	1044	115,3	5,63		
112421097	SWI/SNF complex subunit SMARCC1 [Mus musculus]	36,08	2,26	4		3	3	4	binding: protein binding	ucleus; organelle lumen;is: response to stimulus	PI04433; PI10310	1,050	0,326	3	1,1	1104	122,8	5,73		
296010807	thioredoxin reductase 3 isoform 4 [Mus musculus]	37,83	1,80	4		1	1	1	binding: protein binding	smic reticulum; nucleus	reproduction; transport	PI00462; PI02852; PI07	1,050	0,326	1		501	55,0	7,59	
21314824	V-type proton ATPase subunit F [Mus musculus]	217,18	41,18	1		5	5	10	ity: transporter activity	ar: membrane; vacuole	ollic process; transport	PI01990	1,050	0,326	10	6,3	119	13,4	5,82	
356640190	PAB-dependent poly(A)-specific ribonuclease subunit 2 isoform 3 [Mus musculus]	36,52	0,77	3				1	activity: protein binding	cytoplasm; nucleus	metabolic process	PI00443; PI00929	1,050	0,326	1		473	132,3	5,94	
23346461	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrion [Mus musculus]	40,98	4,54	1		2	2	2	ing: nucleotide binding	mitochondrion; nucleus;e to stimulus; transport	PI00346	1,050	0,326	2	4,4	163	52,6	6,99		
305678350	kinesin-like protein KIFC1 [Mus musculus]	28,68	3,71	2		2	2	2	binding: protein binding	ne: membrane; nucleus;gical process; transport	PI00038; PI00225; PI05	1,050	0,326	2	10,5	674	74,1	8,72		
62510074	separin [Mus musculus]	94,94	1,56	1		3	3	3	catalytic activity	y: cytoskeleton; nucleus;c process; reproduction	PI00358	1,050	0,326	3	1,3	2118	232,9	6,90		
58037259	vacuolar protein sorting-associated protein 11 homolog [Mus musculus]	0,00	3,93	1		3	3	3	binding: protein binding	ne: membrane; vacuole	transport	PI00637; PI12451; PF12	1,050	0,326	3	3,0	941	107,7	7,01	
21703922	serine/threonine-protein kinase 24 [Mus musculus]	95,22	9,05	1		1	1	3	ing: nucleotide binding	ucleus; organelle lumen;is: response to stimulus	PI00069; PI06840; PI07	1,050	0,326	1		431	47,9	5,43		
6755905	tubby-related protein 3 [Mus musculus]	94,73	13,70	2		6	6	6	protein binding	ucleus; organelle lumen;is: response to stimulus	PI01167	1,051	0,322	6	6,6	460	51,2	6,24		
6755698	surfeit locus protein 4 [Mus musculus]	0,00	6,32	1		2	2	2	ulum: Golgi: membrane	ion of biological process	PI02077	1,051	0,322	2	9,3	269	30,4	7,78		
313482787	methionine adenosyltransferase 2 subunit beta isoform 2 [Mus musculus]	217,75	28,48	2		9	9	15	binding: protein binding	mitochondrion; nucleus;ion of biological process	PI00106; PI01370; PI02	1,051	0,322	14	10,2	323	36,2	6,60		
147904547	charged multivesicular body protein 6 [Mus musculus]	26,48	3,00	2		1	1	1	protein binding	xtracellular; membrane	transport	PI03357	1,051	0,322	1		200	23,4	5,44	
156717216	zinc finger CCHC domain-containing protein 6 [Mus musculus]	57,42	1,61	1		2	2	2	metal ion binding			1,051	0,322	2	7,7	1177	131,2	6,99		
50355943	probable helicase with zinc finger domain [Mus musculus]	0,00	0,66	1		1	1	2	in binding: RNA binding	nucleus		PI00580; PI00642; PI02	1,051	0,322	1		1965	219,8	7,40	
6681179	7-dehydrocholesterol reductase [Mus musculus]	25,38	1,49	1		1	1	1	catalytic activity	m: membrane; nucleus;ion of biological process	PI01222	1,051	0,322	1		471	53,9	8,35		
158854016	S-phase kinase-associated protein 1 [Mus musculus]	1367,58	47,85	1		12	12	95	activity: protein binding	plasm; cytosol; nucleus;esis; metabolic process	PI01466; PI03931	1,051	0,322	95	12,8	163	18,7	4,54		
40254163	mitochondrial fission factor [Mus musculus]	98,84	8,93	2		3	3	6	protein binding	mbrane; mitochondrion;e to stimulus; transport	PI05644	1,051	0,322	6	14,2	291	32,9	6,83		
285403538	dehydrogenase/reductase SDR family member 7B isoform 1 [Mus musculus]	0,00	7,64	2		2	2	2	lity: nucleotide binding	cytoplasm; membrane	metabolic process	PI00106; PI08659	1,052	0,319	2	0,8	314	34,0	9,50	
149271663	PREDICTED: spermine synthase-like [Mus musculus]	106,86	12,02	1		5	5	6	catalytic activity	cytoplasm; metabolic process	PI01564	1,052	0,319	6	3,8	366	41,3	5,06		
51317387	cyclin-G-associated kinase [Mus musculus]	42,67	2,61	4		3	3	3	binding: protein binding	cytoplasm; Golgi;gical process; transport	PI00226; PI07	1,052	0,319	2	7,6	1305	143,6	5,69		
164519134	transcriptional repressor p66 alpha isoform b [Mus musculus]	25,74	2,38	2		1	1	1	binding: protein binding	ucleus; organelle lumen;ion of biological process		1,052	0,319	1		629	67,3	9,89		
8393853	ADP-sugar pyrophosphatase [Mus musculus]	1347,63	40,83	1		8	8	54	in binding: RNA binding	xtracellular; nucleus	metabolic process	PI00293	1,052	0,319	53	6,8	218	24,0	5,48	
7710014	cullin-3 [Mus musculus]	41,56	2,86	1		3	3	3	activity: protein binding	lgi: membrane; nucleus;e to stimulus; transport	PI00888; PI10557	1,052	0,319	3	1,2	768	88,9	8,46		
114326446	myosin-9 isoform 1 [Mus musculus]	1733,97	31,28	1		55	71	127	in binding: RNA binding	mitochondrion; nucleus	reproduction; transport	PI00038; PI00063; PI01	1,052	0,319	93	7,1	1960	226,2	5,66	
254587960	serine/threonine-protein phosphatase PGAM5, mitochondrial isoform 1 [Mus musculus]	154,73	25,78	4		9	9	11	activity: protein binding	mbrane; mitochondrion;ion of biological process	PI00300	1,052	0,319	10	10,2	287	31,8	9,04		
255003819	transmembrane emp24 protein transport domain containing 7 precursor [Mus musculus]	87,47	9,82	1		2	2	3	ulum: Golgi: membrane	transport	PI01105	1,052	0,319	3	13,5	224	25,2	6,89		
7106389	proteasome subunit alpha type-7 [Mus musculus]	280,52	29,84	2		7	7	11	activity: protein binding	r: nucleus; proteasome	metabolic process	PI00227; PI10584	1,052	0,319	11		6,6	248	27,8	8,46
6754084	glutathione S-transferase Mu 1 [Mus musculus]	218,59	29,82	2		5	8	17	binding: protein binding	cytoplasm; extracellular;is: response to stimulus	PI00043; PI02798	1,052	0,319	4	8,5	218	26,0	7,94		
24429570	exportin-5 [Mus musculus]	60,37	0,75	1		1	1	1	ing: transporter activity	m: membrane; nucleus;gical process; transport	PI08389	1,052	0,319	1		1204	136,9	5,82		
158937240	mitochondrial import inner membrane translocase subunit Tim10 [Mus musculus]	34,33	38,89	1		4	4	7	ing: transporter activity	mbrane; mitochondrion;d biogenesis; transport	PI02953	1,052	0,319	6		90	10,3	6,29		
40807498	ribonuclease UK114 [Mus musculus]	185,54	40,00	2		5	5	10	ic activity: RNA binding	mitochondrion; nucleus	metabolic process	PI01042	1,052	0,319	7	7,7	135	14,2	8,68	
134031976	leucine-rich PPR motif-containing protein, mitochondrial precursor [Mus musculus]	115,11	6,47	1		10	10	10	in binding: RNA binding	ucleus; organelle lumen;gical process; transport		1,052	0,319	10	17,7	1392	156,5	6,83		
82905251	PREDICTED: peptidyl-prolyl cis-trans isomerase NIMA-interacting 1 [Mus musculus]	55,35	24,43	2		4	4	5	A binding: RNA binding	ucleus; organelle lumen	metabolic process	PI00639	1,053	0,316	5	13,9	131	13,8	9,77	
255003793	40S ribosomal protein S26 [Mus musculus]	74,46	20,87	2		2	2	2	ctural molecule activity	anelle lumen; ribosome;ion of biological process	PI01283	1,053	0,316	3	6,8	115	13,0	11,00		
13384700	thioredoxin domain-containing protein 12 precursor [Mus musculus]	209,08	28,24	1		4	4	9	catalytic activity	ulum; organelle lumen;ion of biological process	PI00085	1,053	0,316	9	10,4	170	19,0	5,26		
62241019	trafficking protein particle complex subunit 11 [Mus musculus]	66,38	2,91	1		3	3	3	activity: protein binding	cytoplasm; Golgi	transport	PI07919; PI11817; PF12	1,053	0,316	3	7,3	1133	128,3	7,58	
110625732	O-acetyl-ADP-ribose deacetylase 1 [Mus musculus]	0,00	3,95	1		1	1	1	catalytic activity	cytoplasm; metabolic process	PI01661	1,053	0,316	1		152	17,1	8,53		
165972315	ras-related protein R-Ras2 precursor [Mus musculus]	42,33	13,73	2		2	2	2	binding: protein binding	xtracellular; membrane;is: response to stimulus	PI00071; PI08477	1,053	0,316	2	5,7	204	23,4	6,01		
40254228	zinc transporter ZIP10 precursor [Mus musculus]	67,96	1,92	1		2	2	2	transporter activity	membrane	transport	PI01027; PI02535	1,053	0,316	2		1,5	833	94,3	6,71
161484662	60S ribosomal protein L17 [Mus musculus]	63,77	20,65	10		3	4	5	ctural molecule activity	osol; nucleus; ribosome	metabolic process	PI00237	1,053	0,316	3	3,4	184	21,4	10,18	
115299773	F-box and WD-40 domain protein 15 [Mus musculus]	353,87	29,40	1		9	15	26	protein binding	endoplasmic reticulum		PI00646; PI12937	1,053	0,316	17	6,4	466	53,6	8,78	
260763999	armadillo repeat-containing protein 8 isoform 2 [Mus musculus]	0,00	2,26	2		1	1	1				1,053	0,316	1		399	44,4	7,21		
149263037	PREDICTED: cytochrome c oxidase subunit 5B, mitochondrial-like [Mus musculus]	164,92	42,64	1		7	7	18	ity: transporter activity	mbrane; mitochondrion	transport	PI01215	1,054	0,313	18	9,4	129	13,8	8,12	
134032032	upstream-binding protein 1 isoform a [Mus musculus]	79,03	2,22	1		1	1	1	DNA binding	nucleus;ion of biological process	PI04516	1,054	0,313	1		540	60,2	6,27		
160333553	60S ribosomal protein L12 [Mus musculus]	209,35	49,09	3		7	7	12	ctural molecule activity	anelle lumen; ribosome	metabolic process	PI00298; PI03946	1,054	0,313	11	6,8	165	17,8	9,42	
13384752	spindle and kinetochore-associated protein 2 [Mus musculus]	0,00	5,83	1		1	1	1	protein binding	cytoplasm; cytoskeleton;ion of biological process		1,054	0,313	1		120	13,7	5,55		
19882203	interleukin-1 receptor accessory protein isoform b precursor [Mus musculus]	54,63	4,72	4		2	2	2	gnal transducer activity	xtracellular; membrane;is: response to stimulus	PI07679	1,054	0,313	2	9,5	360	41,5	6,38		
240120047	probable arginine--tRNA ligase, mitochondrial precursor [Mus musculus]	63,84	2,08	1		1	1	1	ke binding: RNA binding	xtracellular; organelle lumen	metabolic process	PI00750; PI05746	1,054	0,313	1		578	65,3	8,02	
46519156	40S ribosomal protein S24 isoform 1 [Mus musculus]	129,55	30,77	5		4	4	9	ctural molecule activity	osol; nucleus; ribosome	metabolic process	PI01282	1,054	0,313	9	9,7	130	15,1	10,89	
433809350	armadillo repeat protein deleted in velo-cardio-facial syndrome homolog [Mus musculus]	32,41	1,01	4		1	1	1	protein binding	m: membrane; nucleus	development	PI00414; PI04826	1,054	0,313	1		892	97,1	6,79	
22165384	tubulin beta-48 chain [Mus musculus]	2691,61	37,75	2		2	16	138	ctural molecule activity	ar: membrane; nucleus;nent; metabolic process	PI00091; PI03953; PI10	1,054	0,313	31	7,7	445	49,8	4,89		
7242156	acyl-protein thioesterase 2 [Mus musculus]	129,63	21,65	1		5	5	9	catalytic activity	cytoplasm; extracellular	metabolic process	PI00561; PI02230; PI03	1,055	0,310	8	7,8	231	24,8		

298676452	ATP-dependent (S)-NAD(P)H-hydrate dehydratase isoform 2 [Mus musculus]	66.46	18.65	2	5	5	7	ility: nucleotide binding	toplasm; mitochondrion	metabolic process	PI01256	1,056	0,307	7	6,2	327	35,1	8,13	
165932339	copper homeostasis protein cutC homolog isoform 2 [Mus musculus]	0,00	4,58	2	1	1	1	metal ion binding	ucleus; organelle lumen	inization and biogenesis	PI03932	1,056	0,307	1		162	27,9	7,94	
8567400	60S ribosomal protein L27 [Mus musculus]	145,21	44,12	1	6	7	10	ctural molecule activity	ular; nucleus; ribosome	metabolic process	PI01777	1,056	0,307	9	4,4	236	15,8	10,56	
58037169	coiled-coil domain-containing protein 115 [Mus musculus]	93,76	15,56	1	3	3	4	ism; endosome; vacuole				1,056	0,307	4	2,6	180	19,7	8,81	
29243988	ubiquitin-conjugating enzyme E2 R1 [Mus musculus]	80,75	10,64	1	3	3	4	ility: nucleotide binding	cytoplasm; nucleus	ss: response to stimulus	PI00179	1,056	0,307	4	0,2	235	26,6	4,56	
21450187	cat eye syndrome critical region protein 5 homolog precursor [Mus musculus]	62,10	2,63	1	1	1	1	catalytic activity	toplasm; mitochondrion	metabolic process		1,056	0,307	1		419	46,3	7,88	
27753998	ADP-ribose pyrophosphatase, mitochondrial [Mus musculus]	97,07	9,71	1	3	3	4	catalytic activity	cellular; mitochondrion	metabolic process	PI00293	1,056	0,307	4	2,6	350	38,6	6,76	
90991710	protein SCO1 homolog, mitochondrial [Mus musculus]	92,46	8,45	1	2	2	3	ility: metal ion binding	mbane; mitochondrion	ibolic process; transport	PI00578; PI02630	1,056	0,307	3	5,9	284	31,6	8,47	
172072613	CTP synthase 1 [Mus musculus]	379,86	23,01	1	15	16	18	ility: nucleotide binding		metabolic process	PI00117; PI06418; PI07	1,056	0,307	17	11,8	591	66,6	6,58	
85702071	peptidylprolyl cis/trans isomerase, NIMA-interacting 1 [Mus musculus]	142,91	27,04	2	3	3	6	activity: protein binding		metabolic process	PI00397; PI00639	1,056	0,307	6	3,6	159	18,0	8,78	
21312564	calponin-3 [Mus musculus]	159,91	19,09	2	6	6	10	protein binding	cytoskeleton	ion of biological process	PI00307; PI00402	1,056	0,307	10	5,1	330	36,4	5,72	
103472025	cleft lip and palate transmembrane protein 1 homolog [Mus musculus]	86,16	5,12	1	3	3	4		cell surface; membrane	ion of biological process	PI05602	1,056	0,307	4	7,5	664	75,2	6,30	
21704162	NEDD8-conjugating enzyme Ubc12 isoform 1 [Mus musculus]	234,60	36,61	3	7	7	12	ility: nucleotide binding		ion of biological process	PI00179	1,056	0,307	11	4,5	183	20,9	7,69	
21312758	serine/threonine-protein phosphatase 6 catalytic subunit [Mus musculus]	77,17	9,51	1	3	3	3	ility: metal ion binding	cytoplasm; cytosol	metabolic process	PI00149	1,056	0,307	3	16,0	305	35,1	5,69	
188528894	transmembrane 9 superfamily member 2 precursor [Mus musculus]	70,96	9,06	1	5	5	6		xtracellular; membrane	transport	PI02990; PI07690	1,056	0,307	6	6,4	662	75,3	7,43	
309266614	PREDICTED: F-box/WD repeat-containing protein 12 [Mus musculus]	198,44	20,94	8	2	7	12	protein binding			PI00646; PI12937	1,056	0,307	4	8,4	339	39,1	8,56	
34328379	probable D-lactate dehydrogenase, mitochondrial [Mus musculus]	145,87	18,39	1	7	7	8	inding: protein binding	mbane; mitochondrion	metabolic process	PI01565; PI02913	1,057	0,304	8	29,0	484	51,8	6,62	
7949055	hippocalcin-like protein 1 [Mus musculus]	235,22	57,51	3	9	11	18	inding: protein binding	extracellular	ss: response to stimulus	PI00036; PI10591	1,057	0,304	13	9,8	193	22,3	5,50	
166197677	PDZ and LIM domain protein 7 isoform c [Mus musculus]	0,00	5,32	3	1	1	1	inding: protein binding	y; cytoskeleton; nucleus	ion of biological process	PI00595	1,057	0,304	1		188	21,1	9,50	
6678465	tubulin alpha-3 chain [Mus musculus]	1572,13	40,00	2	2	17	87	ctural molecule activity	y; cytoskeleton; nucleus	esis; metabolic process	PI00091; PI03953	1,057	0,304	4	8,1	450	49,9	5,10	
17975508	1,4-alpha-glucan-branching enzyme [Mus musculus]	220,94	11,68	1	8	8	10	catalytic activity	ucleus	metabolic process	PI00128; PI02806; PI02	1,057	0,304	10	4,6	702	80,3	6,43	
21704140	3-hydroxyisobutyrate dehydrogenase, mitochondrial precursor [Mus musculus]	291,84	19,10	1	6	6	13	ility: nucleotide binding	toplasm; mitochondrion	metabolic process	PI02826; PI03446; PI03	1,057	0,304	13	6,5	335	35,4	8,13	
124358936	E3 ubiquitin-protein ligase TRIM1 [Mus musculus]	25,63	1,75	1	1	1	1	activity: protein binding	ucleus; organelle lumen	ibolic process; transport	PI00038; PI00097; PI00	1,058	0,301	1		630	71,8	5,05	
27754007	acyl carrier protein, mitochondrial precursor [Mus musculus]	42,54	9,62	1	2	2	3		mbane; mitochondrion	ibolic process; transport	PI00550	1,058	0,301	3	14,2	156	17,4	5,21	
55741463	prefoldin subunit 5 [Mus musculus]	129,46	40,91	1	7	7	12	protein binding	nucleus	ss: response to stimulus	PI02996	1,058	0,301	11	10,2	154	17,3	6,33	
8939988	phosphomannomutase 2 [Mus musculus]	158,11	28,10	2	9	9	11	catalytic activity	cytoplasm	metabolic process	PI03332; PI08282	1,058	0,301	11	6,4	242	27,6	6,42	
226823359	coatamer subunit alpha [Mus musculus]	467,22	18,87	1	23	23	27	ctural molecule activity	llular; Golgi; membrane		PI00400; PI04053; PI06	1,058	0,301	27	10,9	1224	138,3	7,65	
51921293	NLR family, pyrin domain containing 4G [Mus musculus]	704,37	16,80	3	5	15	38	nucleotide binding			PI02758; PI05729	1,058	0,301	5	4,0	738	85,4	6,64	
228480253	septin-2 isoform b [Mus musculus]	60,49	15,89	2	4	4	4	ctural molecule activity	ucleus; organelle lumen	ss: response to stimulus; transport	PI00071; PI00735	1,058	0,301	4	13,2	321	37,0	6,09	
255522949	uncharacterized protein C19orf57 homolog isoform 2 [Mus musculus]	0,00	1,24	2	1	1	1	protein binding				1,058	0,301	1		565	60,5	4,73	
30520193	putative sodium-coupled neutral amino acid transporter 9 [Mus musculus]	37,89	1,25	1	1	1	1		membrane	transport	PI01490	1,058	0,301	1		560	63,4	7,50	
19527144	mitochondrial intermembrane space import and assembly protein 1	41,84	6,47	1	1	1	2	catalytic activity	toplasm; mitochondrion	ibolic process; transport	PI06747	1,058	0,301	2	6,3	139	15,5	4,32	
285026483	tetratricopeptide repeat protein 4 isoform 2 [Mus musculus]	77,30	2,93	2	1	1	1					1,058	0,301	1		341	39,0	5,87	
20373157	oocyte-secreted protein 1 precursor [Mus musculus]	226,54	20,30	1	4	4	12		extracellular			1,059	0,298	12	10,0	202	23,0	5,21	
160707921	annexin A11 [Mus musculus]	36,66	4,57	1	1	2	2	in binding: RNA binding	ganelle lumen; vacuole	ss: response to stimulus; transport	PI00191	1,059	0,298	1		503	54,0	7,66	
160333362	paired amphipathic helix protein Sin3a isoform 1 [Mus musculus]	127,89	6,36	2	8	8	8	inding: protein binding	ucleus; organelle lumen	ss: response to stimulus	PI02671; PI08295	1,059	0,298	8	6,4	1274	145,0	7,25	
31542014	lysophospholipid acyltransferase 7 [Mus musculus]	0,00	2,54	1	1	1	1	catalytic activity	membrane	ment; metabolic process	PI03062	1,059	0,298	1		473	53,4	8,69	
70794799	MLN64 N-terminal domain homolog [Mus musculus]	0,00	4,26	1	1	1	1		ne; membrane; vacuole		PI10457	1,059	0,298	1		235	26,8	5,02	
61098078	striatin [Mus musculus]	286,91	21,03	5	15	15	19	protein binding	ytoskeleton; membrane	ss: response to stimulus	PI00400; PI08232	1,059	0,298	19	9,7	780	85,9	5,27	
84794625	[Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial	48,51	11,52	3	6	6	7	inding: protein binding	ndrion; organelle lumen	metabolic process	PI00481	1,059	0,298	7	13,4	538	61,1	6,67	
19527256	ATP-dependent RNA helicase DDX1 [Mus musculus]	322,80	24,59	1	17	17	19	in binding: RNA binding	ucleus; organelle lumen	ss: response to stimulus	PI00271; PI00	1,059	0,298	19	10,6	740	82,4	7,21	
6677905	Golgi apparatus protein 1 precursor [Mus musculus]	121,51	9,53	1	12	12	12	protein binding	llular; Golgi; membrane	ss: response to stimulus	PI00839	1,059	0,298	12	10,0	1175	133,6	6,84	
34368584	zinc finger CCH domain-containing protein 15 [Mus musculus]	0,00	4,93	1	2	2	2	in binding: RNA binding	ucleus; organelle lumen	ss: response to stimulus	PI00642	1,059	0,298	2	23,6	426	48,3	5,30	
357197158	protein arginine N-methyltransferase 1 isoform 2 [Mus musculus]	52,37	5,95	4	2	2	3	in binding: RNA binding	plasm; cytosol; nucleus	ion of biological process	PI05175; PI06325; PI08	1,059	0,298	3	3,0	353	40,5	5,60	
6678493	ubiquitin carboxyl-terminal hydrolase 10 [Mus musculus]	30,07	1,01	1	1	1	1	in binding: RNA binding	ion; endosome; nucleus	ss: response to stimulus	PI00443	1,059	0,298	1		793	87,0	5,17	
149240955	PREDICTED: casein kinase II subunit alpha-like [Mus musculus]	32,55	2,11	2	1	1	1	ility: nucleotide binding		metabolic process	PI00069; PI01636; PI07	1,059	0,298	1		331	37,9	6,83	
66773165	lysophosphatidic acid phosphatase type 6 precursor [Mus musculus]	140,17	11,48	2	5	5	5	catalytic activity	cellular; mitochondrion	ment; metabolic process	PI00328	1,059	0,298	4	1,5	418	47,6	7,72	
60218877	ATP-binding cassette sub-family D member 3 [Mus musculus]	142,48	7,74	1	5	5	10	ing: transporter activity	ndrion; organelle lumen	ibolic process; transport	PI00005; PI06472	1,059	0,298	10	9,2	659	75,4	9,26	
13386034	40S ribosomal protein S13 [Mus musculus]	167,73	51,66	3	8	8	16	ctural molecule activity	anelle lumen; ribosome	ion of biological process	PI00312; PI08069	1,060	0,295	15	10,2	151	17,2	10,54	
67846113	U1 small nuclear ribonucleoprotein 70 kDa [Mus musculus]	90,77	16,52	1	7	7	10	in binding: RNA binding	y; spliceosomal complex	ion of biological process	PI00076; PI12220	1,060	0,295	10	14,3	448	52,0	9,94	
31980629	vesicle-associated membrane protein 8 [Mus musculus]	107,79	32,67	3	3	3	5	protein binding	itochondrion; vacuole	ss: response to stimulus; transport	PI00957	1,060	0,295	5	11,1	101	11,4	8,19	
8567340	coatamer subunit gamma-2 [Mus musculus]	68,40	6,89	1	4	5	6	ctural molecule activity	tosol; Golgi; membrane	transport	PI01602; PI08752	1,060	0,295	5	15,7	871	97,6	5,80	
294774564	guanine nucleotide-binding protein G(i)/G(s)/G(o) subunit gamma-2	70,75	34,72	1	2	2	2	gnal transducer activity	xtracellular; membrane	ss: response to stimulus	PI00631	1,060	0,295	2	2,2	72	8,0	8,97	
47271535	signal recognition particle subunit SRP68 [Mus musculus]	116,62	7,84	1	5	5	6	RNA binding	ucleus; organelle lumen	ss: response to stimulus; transport		1,060	0,295	6	11,4	625	70,5	8,57	
13385036	60S ribosomal protein L15 [Mus musculus]	98,38	24,51	4	5	5	6	ctural molecule activity	osol; nucleus; ribosome	metabolic process	PI00827	1,060	0,295	6	3,2	204	24,1	11,62	
358679365	mitochondrial peptide methionine sulfoxide reductase isoform 3 [Mus musculus]	36,82	10,36	4	2	2	2	catalytic activity	itochondrion; nucleus	ss: response to stimulus	PI01625	1,060	0,295	2	7,6	193	21,5	7,58	
215490077	Sin3-associated polypeptide 18-like [Mus musculus]	21,31	11,63	1	2	2	3	RNA binding	ucleus; organelle lumen	ion of biological process	PI06487	1,061	0,292	3	4,3	172	19,6	9,80	
356995942	protein TFG isoform 2 [Mus musculus]	66,36	2,87	2	1	1	1	gnal transducer activity		ss: response to stimulus	PI00564	1,061	0,292	1		348	37,5	4,98	
262072972	high mobility group protein HMG-I/HMG-Y isoform 2 [Mus musculus]	55,73	16,67	5	2	2	3	inding: protein binding	romosome; nucleus	ss: response to stimulus		1,061	0,292	3	9,2	96	10,6	10,32	
85701644	regulator of microtubule dynamics protein 3 [Mus musculus]	144,37	14,47	2	7	7	9	protein binding	itochondrion; nucleus	ion; cellular homeostasis		1,061	0,292	9	10,3	470	52,0	5,21	
13195624	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 1	139,48	15,21	1	5	5	5	ility: nucleotide binding	ndrion; organelle lumen	ss: response to stimulus; transport	PI01712; PI02223	1,061	0,292	5	7,3	355	40,6	7,78	
368711320	mitochondrial fission regulator 1-like [Mus musculus]	54,40	6,92	1	2	2	2				PI05308	1,061	0,292	2		50	289	31,7	6,10
67846109	mitochondrial import inner membrane translocase subunit Tim9 [Mus musculus]	140,28	65,17	1	5	5	6	ing: transporter activity	mbane; mitochondrion	nd biogenesis; transport	PI02953	1,061	0,292	6	17,0	89	10,3	7,21	
13277394	grp94 protein homolog 1, mitochondrial precursor [Mus musculus]	147,85	43,32	1	9	9	11	inding: protein binding	ndrion; organelle lumen	ion of biological process		1,061	0,292	11	8,6	217	24,3	8,38	
21746165	transmembrane emp24 domain-containing protein 5 precursor [Mus musculus]	0,00	3,06	1	1	1	1		ulum; Golgi; membrane	nd biogenesis; transport	PI01105	1,061	0,292	1		229	26,2	4,93	
21313588	small glutamine-rich tetratricopeptide repeat-containing protein alpha	134,62	13,33	1	4	4	6	protein binding	cytoplasm		PI00515; PI07719	1,061	0,292	5	9,6	315	34,3	5,06	
6754954	sequestosome-1 [Mus musculus]	63,15	5,88	1	3	3	5	inding: protein binding	llular; nucleus; vacuole	ss: response to stimulus	PI00564; PI00569	1,061	0,292	4	8,2	442	48,1	5,21	
6677977	cytochrome c oxidase subunit 7A-related protein, mitochondrial isoform 1	52,34	27,03	2	3	3	4	ility: transporter activity	mbane; mitochondrion	ibolic process; transport	PI02238	1,062	0,289	4	18,				

167736371	ubiquitin conjugation factor E4 A [Mus musculus]	34,25	2,04	1	2	2	2	catalytic activity	cytoplasm	metabolic process	P104564; P110408	1,063	0,286	2	2,1	1028	118,1	5,33
261823931	H(+)/Cl(-) exchange transporter 5 isoform 1 [Mus musculus]	33,69	2,28	6	2	2	3	ing: transporter activity	lgi: membrane	vacuole ical process; transport	P100571; P100654	1,063	0,286	3	2,0	746	83,0	7,01
165932389	nuclear pore complex protein Nup155 [Mus musculus]	0,00	0,72	1	1	1	1	ctural molecule activity	im: membrane	nucleus ical process; transport	P103177; P100801	1,063	0,286	1		1391	155,0	6,15
6680129	THUMP domain-containing protein 3 [Mus musculus]	32,82	1,78	1	1	1	1	ic activity: RNA binding	ucleus; organelle lumen	metabolic process	P110170; P102926; P108	1,063	0,286	1		505	56,4	7,43
6756083	zona pellucida sperm-binding protein 3 precursor [Mus musculus]	3946,14	22,88	1	13	13	254	ity: transporter activity	llular: Golgi: membrane	to stimulus; transport	P100100	1,063	0,286	222	11,2	424	46,3	6,57
198278498	UPF0609 protein C1orf27 homolog [Mus musculus]	92,61	13,01	1	4	4	4		nucleus		P110228	1,063	0,286	4	6,7	346	39,3	7,69
257467675	acyl-Coenzyme A dehydrogenase family, member 10-like [Mus musculus]	40,60	3,60	2	2	2	2	ility: nucleotide binding	toplasm: mitochondrion	metabolic process	P100441; P102770; P102	1,063	0,286	2	2,3	555	61,4	9,36
183980004	heterogeneous nuclear ribonucleoprotein L [Mus musculus]	180,86	15,19	1	7	7	8	le binding: RNA binding	ucleus; organelle lumen	metabolic process	P100076	1,064	0,283	8	11,2	586	63,9	8,10
124487133	midasin [Mus musculus]	0,00	0,21	1	1	1	1	ility: nucleotide binding	ucleus; organelle lumen	metabolic process	P100004; P107726; P107	1,064	0,283	1		5582	629,2	5,73
91718886	synaptotagmin-like protein 2 isoform 3 [Mus musculus]	17,32	2,97	5	3	3	3	rotein binding	lgi: membrane	nucleus ical process; transport	P100168	1,064	0,283	3	2,0	910	102,4	6,57
226874940	colled-coil domain-containing protein 58 isoform 3 [Mus musculus]	79,85	20,90	3	3	3	3		toplasm: mitochondrion		P109774	1,064	0,283	3	3,1	134	15,6	8,60
262359900	eukaryotic translation initiation factor 5A-1 [Mus musculus]	316,96	40,26	2	9	9	23	in binding: RNA binding	im: membrane	nucleus ical process; transport	P101287	1,064	0,283	22	6,4	154	16,8	5,24
49355804	probable phospholipid-transporting ATPase 11C isoform b [Mus musculus]	63,85	1,70	2	2	2	2	ing: transporter activity	im: membrane	vacuole ical process; transport	P100122; P100702	1,064	0,283	2	3,5	1116	127,7	7,05
87298845	abnormal spindle-like microcephaly-associated protein homolog [Mus musculus]	66,42	1,63	1	5	6	7	rotein binding	y: cytoskeleton; nucleus	in: response to stimulus	P100307; P11971	1,064	0,283	6	12,9	3122	364,0	10,62
6680027	glutamate dehydrogenase 1, mitochondrial precursor [Mus musculus]	147,08	19,71	1	10	10	15	inding: protein binding	ndrion: organelle lumen	to stimulus; transport	P100208; P102812	1,064	0,283	10	20,0	558	61,3	8,00
31542488	protein VAC14 homolog [Mus musculus]	182,46	13,17	1	9	9	11	zyme regulator activity	ne: membrane	vacuole is; response to stimulus	P119196; P12755	1,064	0,283	11	7,1	782	88,0	6,13
483968030	cAMP-dependent protein kinase catalytic subunit alpha isoform 2 [Mus musculus]	0,00	4,96	2	1	1	1	inding: protein binding	itochondrion; nucleus	to stimulus; transport	P100069; P107714	1,064	0,283	1		343	39,8	8,66
253735731	mitochondrial fission 1 protein isoform 2 [Mus musculus]	289,37	29,66	2	5	5	9	rotein binding	mbrane: mitochondrion	to stimulus; transport		1,065	0,280	8	4,7	145	16,3	9,25
27370372	NACHT, LRR and PYD domains-containing protein 4A [Mus musculus]	363,82	12,73	1	10	14	23	nucleotide binding		to stimulus; transport	P102758; P105729	1,065	0,280	13	9,8	982	112,5	6,27
161484660	coproporphyrinogen-III oxidase, mitochondrial precursor [Mus musculus]	36,99	3,39	1	1	1	1	ity: transporter activity	mbrane: mitochondrion	to stimulus; transport	P101218	1,065	0,280	1		443	49,7	8,53
34328173	squalene synthase [Mus musculus]	77,47	7,93	3	3	3	5	catalytic activity	c: reticulum	metabolic process	P100494	1,065	0,280	4	4,5	416	48,1	6,32
21312062	transmembrane emp24 domain-containing protein 10 precursor [Mus musculus]	226,87	28,77	2	5	5	11	rotein binding	ulum: Golgi: membrane	to stimulus; transport	P101105	1,065	0,280	11	13,7	219	24,9	6,70
19526463	endoplasmic reticulum resident protein 29 precursor [Mus musculus]	252,73	23,28	1	6	6	15	ulum: organelle lumen		transport	P107749; P107912	1,065	0,280	13	11,0	262	28,8	6,15
153945822	DNA repair protein RAD50 [Mus musculus]	0,00	1,52	1	2	2	2	ing: transporter activity	ucleus; organelle lumen	to stimulus; transport	P101576; P102	1,065	0,280	2	6,2	1312	153,5	7,01
61742804	WD repeat domain 20 [Mus musculus]	178,88	6,15	1	3	3	5	rotein binding			P100400	1,065	0,280	5	13,8	569	62,8	8,00
27532959	cytosolic 10-formyltetrahydrofolate dehydrogenase [Mus musculus]	49,12	3,55	1	3	3	3	activity: protein binding	cellular: mitochondrion	metabolic process	P100171; P100550; P100	1,065	0,280	1		902	98,6	5,91
13384892	small integral membrane protein 12 [Mus musculus]	0,00	8,70	1	1	1	1		membrane			1,065	0,280	1		92	10,8	9,04
23956266	dnal homolog subfamily C member 9 [Mus musculus]	280,48	28,19	1	8	8	14	rotein binding	nucleus is; response to stimulus		P100226	1,065	0,280	14	7,5	259	30,0	5,94
160333332	protein Spindly [Mus musculus]	74,87	5,76	3	4	4	4	rotein binding	y: cytoskeleton; nucleus	inization and biogenesis		1,065	0,280	3	9,0	608	70,2	6,00
22779895	choline transporter-like protein 2 isoform 2 [Mus musculus]	96,46	8,64	2	7	7	7	gnal transducer activity	ar: membrane	vacuole to stimulus; transport	P104515	1,065	0,280	9	9,6	706	80,1	8,79
166295185	RISC-loading complex subunit TARBP2 isoform 1 [Mus musculus]	81,60	20,27	5	7	7	7	in binding: RNA binding	cytoplasm; nucleus is; response to stimulus		P100035	1,066	0,277	6	3,5	365	38,8	6,01
407261870	PREDICTED: peroxisomal membrane protein PEX13-like isoform 1 [Mus musculus]	0,00	5,43	2	2	2	2	rotein binding	cytoplasm; membrane	to stimulus; transport	P100018; P104088; P107	1,066	0,277	2	5,0	405	44,6	7,53
31980806	membrane-associated progesterone receptor component 1 [Mus musculus]	0,00	7,18	1	1	1	1		ucleus; organelle lumen	nt; response to stimulus	P100173	1,066	0,277	1		195	21,7	4,70
90903235	phospholipid hydroperoxide glutathione peroxidase, nuclear isoform 1 [Mus musculus]	157,91	18,78	2	3	3	6	activity: catalytic activity	itochondrion; nucleus	in: response to stimulus	P100255	1,066	0,277	5	7,8	197	22,2	8,46
161484652	ralBP1-associated Eps domain-containing protein 1 isoform 2 [Mus musculus]	63,13	1,43	2	1	1	1	inding: protein binding	membrane	transport	P112763	1,066	0,277	1		768	83,5	5,77
6754656	mannose-binding protein C precursor [Mus musculus]	27,49	4,92	1	1	1	1	inding: protein binding	extracellular	to stimulus; transport	P100059	1,066	0,277	1		244	25,9	5,06
240120117	2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial isoform 1 [Mus musculus]	220,64	18,51	2	7	7	12	catalytic activity	itochondrion; nucleus	metabolic process	P100155; P100266; P100	1,067	0,274	12	13,3	416	44,9	7,33
160298207	dihydroxyacetone phosphate acyltransferase [Mus musculus]	77,43	5,46	1	4	4	4	activity: protein binding	ndrion: organelle lumen	is; response to stimulus	P101553	1,067	0,274	4	6,1	678	76,8	8,13
313569874	apolipoprotein O isoform 3 [Mus musculus]	142,06	32,32	3	5	5	10		mbrane; mitochondrion		P109769	1,067	0,274	9	22,7	164	18,8	8,37
244793488	mitofusin-1 [Mus musculus]	193,69	12,69	2	8	8	8	inding: protein binding	mbrane: mitochondrion	ment; metabolic process	P100350; P104799	1,067	0,274	8		741	83,7	6,51
147905969	protein phosphatase 1 regulatory subunit 3D [Mus musculus]	54,66	10,39	1	2	2	2	activity: protein binding	cytoplasm	ion of biological process	P100370	1,067	0,274	2	10,2	279	30,5	8,25
147905039	protein QN1 homolog [Mus musculus]	37,06	1,07	7	1	2	2	rotein binding	on: membrane	nucleus inization and biogenesis	P103962; P109726; P112	1,067	0,274	1		1403	160,8	5,53
8567338	costamer subunit gamma-1 isoform 1 [Mus musculus]	212,92	12,93	2	8	9	12	ctural molecule activity	lgi: membrane	nucleus nt movement; transport	P116402; P108752	1,067	0,274	11	8,0	874	97,5	5,35
225543383	insulin-like growth factor 2 mRNA-binding protein 3 [Mus musculus]	215,09	14,34	1	7	9	14	le binding: RNA binding	cytoplasm; nucleus ical process; transport		P100013; P100076	1,067	0,274	10	7,9	579	63,5	8,87
124430535	39S ribosomal protein L38, mitochondrial precursor [Mus musculus]	0,00	2,63	1	1	1	1		anelle lumen; ribosome		P101161	1,067	0,274	1		380	45,0	8,10
6754090	glutathione S-transferase omega-1 [Mus musculus]	100,06	23,75	2	6	6	7	activity: protein binding	ar: membrane	nucleus to stimulus; transport	P100043; P100462; P102	1,067	0,274	7	9,0	240	27,5	7,36
254675270	40S ribosomal protein S5 [Mus musculus]	73,75	18,14	1	6	6	10	ctural molecule activity	extracellular; ribosome	ion of biological process	P100177	1,067	0,274	8	7,1	204	22,9	9,72
29244484	vacuolar protein sorting-associated protein 37B [Mus musculus]	30,96	2,46	1	1	1	1		xtracellular; membrane	transport	P107200	1,067	0,274	1		285	31,0	7,05
72384371	KIF1-binding protein [Mus musculus]	39,44	1,13	1	1	1	1	rotein binding	skeleton: mitochondrion	development; transport	P112309	1,067	0,274	1		617	71,0	5,48
58037541	keratinocyte-associated transmembrane protein 2 precursor [Mus musculus]	63,44	3,86	1	1	1	1		membrane			1,067	0,274	1		259	28,0	5,07
313661497	DNA (cytosine-5)-methyltransferase 1 isoform 3 [Mus musculus]	3744,89	38,17	2	1	70	268	n binding: RNA binding	me: cytoplasm; nucleus is; response to stimulus		P100145; P101426; P102	1,068	0,271	1		1501	169,8	7,69
21312064	pre-mRNA-splicing factor SFY2 [Mus musculus]	52,92	7,44	1	2	2	2		RNA binding	y; spliceosomal complex is; response to stimulus	P108231	1,068	0,271	2	0,1	242	28,7	8,66
269784644	DBIRD complex subunit ZNF326 [Mus musculus]	0,00	2,07	1	1	1	1	n binding: RNA binding	y; spliceosomal complex	ion of biological process	P104988	1,068	0,271	1		580	65,1	5,21
31981027	proteasomal ubiquitin receptor ADRM1 [Mus musculus]	96,31	6,14	1	2	2	4	activity: protein binding	e: nucleus; proteasome	in: response to stimulus	P104683	1,068	0,271	4	29,5	407	42,0	5,07
6480690	thioredoxin-dependent peroxide reductase, mitochondrial precursor [Mus musculus]	110,36	10,89	1	4	4	10	ivity: protein binding	dosome; mitochondrion	in: response to stimulus	P100578; P108534; P110	1,068	0,271	10	6,1	257	28,1	7,58
283837907	protein OS-9 isoform 2 precursor [Mus musculus]	90,71	17,18	8	10	11	12	rotein binding	ulum: organelle lumen	to stimulus; transport	P107915	1,068	0,271	11	11,9	617	69,7	4,83
7242181	phospholipase D3 [Mus musculus]	39,20	6,35	1	3	3	3	catalytic activity	xtracellular; membrane	metabolic process	P100642; P108371	1,069	0,268	3	1,7	488	54,4	6,52
234646498	UDP-glucose glycoprotein glucosyltransferase 1 precursor [Mus musculus]	405,65	12,44	2	18	18	20	activity: protein binding	brane: organelle lumen	metabolic process	P106427	1,069	0,268	20	4,1	1551	176,3	5,62
158966704	40S ribosomal protein S16 [Mus musculus]	179,99	32,19	2	5	5	9	ctural molecule activity	extracellular; ribosome	metabolic process	P100380	1,069	0,268	9	7,9	146	16,4	10,21
29789317	keratin, type II cytoskeletal 75 [Mus musculus]	208,94	14,52	12	1	9	19	ctural molecule activity	cytoskeleton	rentation; development	P100012; P100038; P101	1,069	0,268	2	6,2	551	59,7	8,31
31981273	cytosolic non-specific dipeptidase [Mus musculus]	164,34	15,16	1	6	6	7	ivity: metal ion binding	n: cytosol; extracellular	metabolic process	P101546; P107687	1,069	0,268	7	7,9	475	52,7	5,66
239865513	ATPase family AAA domain-containing protein 3 [Mus musculus]	81,76	8,46	1	5	5	6	le binding: RNA binding	ndrion: organelle lumen	ion of biological process	P100004; P100910; P101	1,069	0,268	5	5,8	591	66,7	9,29
109150439	prolyl 3-hydroxylase 1 isoform 3 [Mus musculus]	92,44	5,54	3	3	3	3	ivity: metal ion binding	ar: membrane	nucleus ical process; transport		1,069	0,268	3	8,6	560	64,1	4,88
225543576	UPF0468 protein C16orf80 homolog [Mus musculus]	0,00	4,15	1	1	1	1		RNA binding	extracellular	P105018	1,069	0,268	1		193	22,7	9,76
406647878	macrophage-capping protein [Mus musculus]	53,99	7,74	1	2	2	3	rotein binding	ucleus; organelle lumen	ion of biological process	P100626	1,069	0,268	2	1,4	349	38,7	6,95
19705424	26S proteasome non-ATPase regulatory subunit 3 [Mus musculus]	183,47	21,13	1	12	12	14	activity: protein binding	y: nucleus; proteasome	ion of biological process	P101399; P108375	1,069	0,268	14	8,1	530	60,7	8,44
7710060	mitogen-activated protein kinase 8 [Mus musculus]	33,50	4,17	17	2	2	2	gnal transducer activity	itochondrion; nucleus is; response to stimulus		P100069; P101636; P107	1,069	0,268	1		384	44,2	7,69
6678467	tubulin alpha-4A chain [Mus musculus]	987,25	42,19	2														

49522736	transmembrane emp24 domain-containing protein 4 precursor [Mus musculus]	35.84	8.81	1	1	2	2	ginal transducer activity	c reticulum; membrane	je to stimulus; transport	P101105	1.071	0.263	1			272	26.0	8.18	
407263576	PREDICTED: nuclear protein 56-like [Mus musculus]	47.77	4.84	3	2	2	2	ginal transducer activity	c reticulum; membrane	je to stimulus; transport	P1011798	1.071	0.263	2		5.5	327	41.7	9.89	
110431344	CD63 antigen [Mus musculus]	55.02	2.94	1	1	1	1	protein binding	ar; membrane	vacuole	je to stimulus; transport	P100335	1.071	0.263	1			238	25.7	9.98
6679821	protein farnesyltransferase/geranylgeranyltransferase type-1 subu	73.59	2.65	1	1	1	1	binding: protein binding	cytoplasm; cytoskeleton	is; response to stimulus	P101239	1.071	0.263	1			377	44.0	4.93	
13385016	serine/arginine-rich splicing factor 9 [Mus musculus]	0.00	4.95	1	1	1	1	je binding: RNA binding	ucleus; organelle lumen	ion of biological process	P100076	1.071	0.263	1			222	25.6	8.65	
62990169	twirlin-1 [Mus musculus]	76.61	8.29	2	2	3	4	binding: protein binding	ytoskeleton; membrane	ion of biological process	P100241	1.071	0.263	3		6.1	350	40.1	6.67	
6755973	protein lin-7 homolog C [Mus musculus]	48.88	6.60	7	2	2	2	binding: protein binding	ytoskeleton; membrane	immunological process: transport	P100255; P1002828; P109	1.071	0.263	1			197	21.8	8.43	
115648101	centromere-associated protein E [Mus musculus]	201.34	7.57	1	19	19	20	ing: transporter activity	ucleus; organelle lumen	igical process: transport	P100225; P101496; P101	1.072	0.260	20		11.4	2471	286.0	5.33	
11612505	stromal cell-derived factor 2-like protein 1 precursor [Mus musculus]	137.64	21.72	1	4	4	6	protein binding	brane; organelle lumen	is; response to stimulus	P102815	1.072	0.260	6		5.6	221	23.6	7.42	
254675300	nuclear mitotic apparatus protein 1 [Mus musculus]	222.96	5.73	1	12	12	12	protein binding	ucleus; organelle lumen	velopment; reproduction	P100216; P121228	1.072	0.260	12		17.8	2094	235.5	5.87	
46358064	auroa kinase A [Mus musculus]	37.34	1.68	1	1	1	1	binding: protein binding	y; cytoskeleton; nucleus	al process: reproduction	P100069; P101636; P107	1.072	0.260	1			417	47.1	9.36	
209870055	Abelson tyrosine-protein kinase 2 isoform a [Mus musculus]	27.26	1.30	4	1	1	1	binding: protein binding	ytoplasm; cytoskeleton	is; response to stimulus	P100017; P100018; P100	1.072	0.260	1			1078	117.7	7.66	
244790003	3-mercaptopyruvate sulfurtransferase [Mus musculus]	158.35	20.20	1	5	5	9	catalytic activity	mbrane; mitochondrion	metabolic process	P100581	1.072	0.260	9		5.8	297	33.1	6.47	
114051171	tRNA [guanine(10)-N(2)-methyltransferase homolog [Mus musculus]	42.66	2.17	1	1	1	1	1A binding: RNA binding	cytoplasm	ion of biological process	P101170; P102384; P106	1.072	0.260	1			460	52.9	8.46	
283945596	E3 ubiquitin-protein ligase Trim36 isoform 2 [Mus musculus]	65.23	3.49	2	3	3	4	binding: protein binding	ytoplasm; cytoskeleton	reproduction; transport	P100041; P100097; P100	1.072	0.260	4		6.1	717	81.3	6.25	
255760055	B-cell receptor-associated protein 29 [Mus musculus]	129.39	18.75	1	5	5	8	ing: nucleotide binding	mbrane; mitochondrion	ollic process: transport	P100521; P105529; P109	1.073	0.257	8		4.3	240	27.9	9.72	
6753242	calbindin [Mus musculus]	105.58	26.44	1	6	6	9	ing: metal ion binding	it; extracellular; nucleus	is; response to stimulus	P100036	1.073	0.257	7		10.1	261	30.0	4.83	
255958271	N-acetyl-D-glucosaminase kinase isoform 2 [Mus musculus]	34.18	2.40	2	1	1	1	lity: nucleotide binding	it; extracellular	metabolic process	P101869	1.073	0.257	1			292	31.9	6.32	
39930543	nuclear pore complex protein Nup54 [Mus musculus]	19.09	7.25	1	2	3	5	transporter activity	mbrane; nucleus	transport	P100331; P107448	1.073	0.257	2		12.0	510	55.7	7.02	
5082218	secreted phosphoprotein 24 precursor [Mus musculus]	0.00	4.93	1	1	1	1	zyme regulator activity	extracellular	ization and biogenesis	P100001; P107448	1.073	0.257	1			203	23.1	8.37	
27369748	succinate-semialdehyde dehydrogenase, mitochondrial precursor [Mus musculus]	150.49	8.99	1	4	4	4	lity: nucleotide binding	toplasm; mitochondrion	ent; metabolic process	P100171	1.073	0.257	4		3.9	523	55.9	8.25	
9790051	6-phosphofructokinase type C [Mus musculus]	161.66	9.18	1	4	7	9	binding: protein binding	it; extracellular; nucleus	esis; metabolic process	P100365	1.073	0.257	4			784	85.4	7.11	
407261777	PREDICTED: low molecular weight phosphotyrosine protein phosph	278.55	29.75	1	1	5	11	binding: protein binding	ar; membrane; nucleus	metabolic process	P101451	1.073	0.257	3		3.1	158	18.2	6.74	
124487419	keratin, type II cytoskeletal 2 epidermal [Mus musculus]	381.61	8.06	1	4	6	20	structural molecule activity	ion; extracellular; Golgi	ovement; development	P100038; P105701	1.073	0.257	14		6.2	707	70.9	8.05	
231570775	zinc finger CCH domain-containing protein 14 isoform c [Mus musculus]	59.50	1.90	3	1	1	1	binding: RNA binding	cytoplasm; nucleus		P107978	1.073	0.257	1			579	64.9	8.16	
160298168	protein NipSnap homolog 2 [Mus musculus]	267.94	26.33	1	9	9	35	binding: protein binding	toplasm; mitochondrion	ion of biological process	P101073; P101370; P105	1.073	0.257	27		16.6	281	32.9	9.33	
254692859	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9	88.37	9.81	1	3	3	4	binding: protein binding	ucleus; organelle lumen	ollic process: transport	P101073; P101370; P105	1.074	0.254	4		4.74	347	42.5	9.74	
377834060	PREDICTED: TBC1 domain family member 14-like isoform 11 [Mus musculus]	62.25	2.91	7	2	2	2	zyme regulator activity	ion of biological process		P100566	1.074	0.254	2			31	618	69.8	6.51
19525731	GDP-fucose protein O-fucosyltransferase 2 precursor [Mus musculus]	67.70	8.39	1	4	4	4	catalytic activity	plasmic reticulum; Golgi	ollic process: transport	P101000	1.074	0.254	4		11.2	429	49.4	6.48	
12487445	importin-8 [Mus musculus]	138.60	6.34	1	7	7	7	ing: transporter activity	m; membrane; nucleus	ollic process: transport	P103810; P108506	1.074	0.254	7		7.6	1010	117.0	5.16	
160358864	protein phosphatase 1H isoform 2 [Mus musculus]	39.65	4.26	4	2	2	2	catalytic activity			P100481	1.074	0.254	2		5.5	469	51.5	6.48	
124494256	protein-density lipoprotein receptor-related protein 1 precursor [Mus musculus]	41.03	0.22	1	1	1	1	binding: RNA binding	brane; nucleus; vacuole	je to stimulus; transport	P100557; P100058; P112	1.074	0.254	1			4545	504.4	5.36	
20846986	PREDICTED: 40S ribosomal protein S25-like [Mus musculus]	97.98	42.40	5	6	6	9	protein binding	ol; membrane; nucleus	igical process: transport	P103297	1.074	0.254	9		7.3	125	13.7	10.05	
226958490	peroxisomal biogenesis factor 19 isoform a [Mus musculus]	94.69	14.38	2	3	3	4	protein binding	ol; membrane; nucleus	igical process: transport	P104614	1.074	0.254	3		16.2	299	32.7	4.34	
125346196	angiotensin [Mus musculus]	13.87	1.46	1	1	1	1	ginal transducer activity	on; membrane; nucleus	is; response to stimulus	P112240	1.075	0.251	1			893	96.3	7.25	
31982236	integrin alpha-6 isoform 1 precursor [Mus musculus]	93.34	3.26	2	4	4	4	binding: protein binding	tracellular; membrane	is; response to stimulus	P101839; P108441	1.075	0.251	4		2.0	1073	119.5	6.96	
114158691	COP9 signalosome complex subunit 8 [Mus musculus]	313.99	24.88	1	4	4	10	protein binding	it; extracellular; nucleus	is; response to stimulus	P110075	1.075	0.251	9		4.4	209	23.2	5.20	
110625776	tetratricopeptide repeat protein 9C [Mus musculus]	112.44	21.64	1	5	5	7	protein binding			P100075	1.075	0.251	7		7.1	171	20.0	9.29	
295148202	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-1	236.81	0.80	3	1	1	14	ginal transducer activity	ol; membrane; nucleus	is; response to stimulus	P100168; P100387; P101	1.075	0.251	10		10.1	1003	114.5	7.53	
226958476	plexin-B2 precursor [Mus musculus]	346.12	12.60	1	20	20	25	ginal transducer activity	tracellular; membrane	is; response to stimulus	P101403; P101437; P101	1.075	0.251	24		12.7	1842	206.1	5.87	
27370092	elongation factor Tu, mitochondrial isoform 1 [Mus musculus]	518.42	32.74	2	14	14	29	je binding: RNA binding	ndrion; organelle lumen	metabolic process	P100009; P103143; P103	1.075	0.251	29		10.9	452	49.5	7.56	
27370038	translation factor Guf1, mitochondrial [Mus musculus]	22.14	1.69	1	1	1	1	ing: transporter activity	ndrion; organelle lumen	je to stimulus; transport	P100009; P100071; P100	1.075	0.251	1			651	72.4	8.76	
227500281	electron transfer flavoprotein subunit alpha, mitochondrial [Mus musculus]	314.68	33.93	1	10	10	18	lity: nucleotide binding	ndrion; organelle lumen	ollic process: transport	P100766; P101012	1.075	0.251	18		8.3	333	35.0	8.38	
21703972	NAD-dependent malic enzyme, mitochondrial precursor [Mus musculus]	252.41	14.94	1	9	9	14	ing: nucleotide binding	ndrion; organelle lumen	metabolic process	P100390; P103949	1.075	0.251	14		17.9	589	65.8	7.61	
27370102	HIRA-interacting protein 3 [Mus musculus]	58.17	1.46	1	3	3	3	protein binding	it; extracellular; nucleus	is; response to stimulus	P110075	1.075	0.251	3		0.5	601	65.2	7.84	
21746161	tubulin beta-2B chain [Mus musculus]	2328.48	37.75	1	1	16	130	structural molecule activity	on; membrane; nucleus	ent; metabolic process	P100091; P103953; P110	1.076	0.249	4		6.1	445	49.9	4.89	
124487362	arfaptin-1 [Mus musculus]	97.52	9.38	1	4	4	5	protein binding	tosol; Golgi; membrane	igical process: transport	P106456	1.076	0.249	5		26.1	373	41.5	6.76	
170650606	immunoglobulin superfamily member 3 precursor [Mus musculus]	79.82	5.78	1	6	6	6	protein binding	mbrane	development	P107686	1.076	0.249	6		15.7	1194	134.6	6.05	
6754222	heterogeneous nuclear ribonucleoprotein A/B isoform 2 [Mus musculus]	422.38	28.07	2	6	7	16	binding: RNA binding	cytoplasm; nucleus	ion of biological process	P100076; P108143	1.076	0.249	12		13.0	285	30.8	7.91	
21703344	GTP-binding protein SAR1a [Mus musculus]	86.43	11.62	2	2	2	3	ginal transducer activity	plasmic reticulum; Golgi	je to stimulus; transport	P100025; P100071; P100	1.076	0.249	3		8.9	198	22.4	6.68	
17174133	peptidyl-prolyl cis-trans isomerase B precursor [Mus musculus]	501.03	47.22	2	11	12	36	binding: RNA binding	ucleus; organelle lumen	ion of biological process	P100160	1.076	0.249	32		8.8	216	23.7	9.55	
34538601	cytochrome c oxidase subunit II [Mus musculus]	59.38	7.49	1	2	2	3	ing: transporter activity	mbrane; mitochondrion	ollic process: transport	P100116; P102790	1.076	0.249	3		5.1	227	26.0	4.73	
9506555	proteasome assembly chaperone 1 [Mus musculus]	38.50	4.84	1	1	1	1	protein binding	smic reticulum; nucleus	iliferation; development	P100293	1.076	0.249	1			289	33.1	6.37	
165972344	peroxisomal coenzyme A diphosphatase NUDT7 isoform 2 [Mus musculus]	70.76	5.09	2	1	1	1	binding: RNA binding	cytoplasm	ition; metabolic process	P100293	1.076	0.249	1			216	24.6	6.40	
309263233	PREDICTED: 60S ribosomal protein L23a-like [Mus musculus]	289.67	46.15	11	10	10	19	structural molecule activity	cytoplasm; ribosome	metabolic process	P100276; P103939	1.076	0.249	19		8.1	156	17.7	10.33	
13384758	adaptin ear-binding coat-associated protein 2 [Mus musculus]	94.49	9.02	1	2	2	3	cytoplasm; membrane		transport	P107933	1.076	0.249	3			266	28.6	7.94	
6754706	MARCKS-related protein [Mus musculus]	37.87	3.50	1	1	1	1	protein binding	tracellular; membrane	igical process: transport	P110200	1.076	0.249	1			200	20.2	4.61	
309265938	PREDICTED: NADH dehydrogenase [ubiquinone] iron-sulfur protein	65.61	18.87	1	2	2	3	mbrane; mitochondrion	ollic process: transport		P110200	1.076	0.249	3		3.0	106	12.6	8.92	
31560541	synaptogyrin-3 [Mus musculus]	53.89	11.79	1	2	2	2	protein binding	cytoplasm; membrane	igical process: transport	P101284	1.076	0.249	2			729	24.5	8.18	
31542438	cytochrome b5 type B precursor [Mus musculus]	160.13	21.92	2	3	3	8	ing: transporter activity	mbrane; mitochondrion	igical process: transport	P100173; P100230	1.076	0.249	8		9.7	146	16.3	4.89	
268370185	syntaxis-5 [Mus musculus]	100.26	21.41	1	8	8	10	protein binding	ligi; membrane; nucleus	nd biogenesis; transport	P100804; P105739	1.076	0.249	9		6.5	355	39.7	8.92	
111667439	actin-binding protein IPP [Mus musculus]	22.51	1.71	1	1	1	1	protein binding	cytoplasm; cytoskeleton		P100651; P101344; P107	1.076	0.249	1			584	65.2	5.74	
124487479	methionine synthase [Mus musculus]	38.27	1.92	1	2	2	2	livity: metal ion binding	cytoplasm	metabolic process	P100809; P102310; P102	1.076	0.249	2		17.0	1253	139.0	5.57	
28395023	nck-associated protein 1 [Mus musculus]	0.00	0.80	1	1	1	1	protein binding	tracellular; membrane	is; response to stimulus	P109735	1.077	0.246	1			1128	128.7	6.62	
28201978	pyruvate dehydrogenase protein X component, mitochondrial [Mus musculus]	254.58	21.16	1	10	10	13	catalytic activity	ndrion; organelle lumen	metabolic process	P100198; P100364; P102	1.077	0.246	13		13.1	501	54.0	7.75	
13384642	synaptotagmin-2-binding protein [Mus musculus]	63.10	8.28	1	1	1	2	protein binding	mbrane; mitochondrion	je to stimulus; transport	P100595	1.077	0.246							

6755152	prolyl endopeptidase [Mus musculus]	57,95	7,46	1	6	6	6	catalytic activity	plasm: cytosol; nucleus	metabolic process	Pf00326; Pf02897	1,078	0,243	6	10,4	710	80,7	5,73
6680724	ADP-ribosylation factor 6 [Mus musculus]	48,32	9,71	2	1	2	2	gnal transducer activity	lgi: membrane; nucleus	ie to stimulus; transport	Pf00025; Pf00071; Pf00	1,078	0,243	1		175	20,1	8,95
31044465	mitochondrial ornithine transporter 1 isoform 1 [Mus musculus]	289,41	27,57	1	9	9	17	mbrane; mitochondrion	transport		Pf00153	1,078	0,243	17	18,0	301	32,8	8,85
270309150	menin isoform b [Mus musculus]	44,75	5,40	2	2	2	2	binding: protein binding	ucleus: organelle lumen	in: response to stimulus	Pf05053	1,078	0,243	2	16,2	611	67,5	6,39
124378030	Golgin subfamily A member 2 isoform b [Mus musculus]	175,14	7,21	6	7	7	9	protein binding	lasm: Golgi; membrane	ion of biological process	Pf12128	1,078	0,243	8	9,9	999	113,2	5,00
18266680	succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial	88,26	9,23	1	5	5	5	activity: protein binding	ndrion: organelle lumen	ie to stimulus; transport	Pf01144	1,079	0,241	5	3,5	520	56,0	8,53
31560336	SAP30-binding protein [Mus musculus]	43,69	2,27	2	1	1	1	cytoskeleton	nucleus	ion of biological process	Pf07818	1,079	0,241	1		308	33,8	4,87
194440687	serine/arginine repetitive matrix protein 1 isoform 2 [Mus musculus]	28,79	0,76	2	1	1	1	IA binding: RNA binding	ic: spliceosomal complex	metabolic process	Pf01480	1,079	0,241	1		918	103,7	11,85
113680348	fascin [Mus musculus]	202,95	15,82	1	7	7	7	in binding: RNA binding	extracellular: membrane	r component movement	Pf06268	1,079	0,241	9	27,1	493	54,5	6,89
34328230	adenylate kinase 2, mitochondrial isoform b [Mus musculus]	776,06	43,53	2	10	10	38	ility: nucleotide binding	mbrane: mitochondrion	metabolic process	Pf00406; Pf05191	1,079	0,241	37	8,0	232	25,6	7,42
124487081	beta-1,3-glucosyltransferase precursor [Mus musculus]	37,10	1,43	1	1	1	1	catalytic activity	ic reticulum; membrane	metabolic process	Pf02434	1,079	0,241	1		489	55,3	6,92
257796245	dihydrolipoyllysine-residue acetyltransferase component of pyruvate	478,08	21,03	1	12	12	20	catalytic activity	ndrion: organelle lumen	metabolic process	Pf00198; Pf00364; Pf02	1,079	0,241	20	9,4	642	67,9	8,57
170295840	transcription intermediary factor 1-beta [Mus musculus]	240,25	13,31	1	12	12	18	in binding: RNA binding	ucleus: organelle lumen	ie to stimulus; transport	Pf00628; Pf00643	1,079	0,241	18	20,4	834	88,8	5,77
29789321	DNA polymerase delta subunit 3 [Mus musculus]	32,90	6,07	1	3	3	3	catalytic activity	mitochondrion; nucleus	is: response to stimulus	Pf09507	1,079	0,241	3	3,0	461	50,7	9,32
225543444	translocase of inner mitochondrial membrane domain-containing p	21,31	5,26	1	1	1	1	mitochondrion; nucleus			Pf02466	1,079	0,241	1		285	31,8	9,29
12408290	histone deacetylase complex subunit SAP30 [Mus musculus]	87,52	8,64	1	2	2	3	binding: protein binding	ucleus: organelle lumen	ion of biological process		1,079	0,241	3	1,2	220	23,2	9,07
254540034	kinetochore-associated protein DSN1 homolog [Mus musculus]	34,17	4,02	1	2	2	2	protein binding	me; cytoplasm; nucleus	inization and biogenesis	Pf08202	1,079	0,241	2	12,5	348	39,5	6,21
126723336	prohibitin-2 [Mus musculus]	224,61	30,43	1	11	11	15	protein binding	ucleus: organelle lumen	in: response to stimulus	Pf01145	1,079	0,241	15	10,3	299	33,3	9,83
377837128	PREDICTED: 60S ribosomal protein L23-like [Mus musculus]	111,80	24,29	2	4	4	7	ctural molecule activity	anelle lumen; ribosome	metabolic process	Pf00238	1,079	0,241	7	4,2	140	14,9	10,51
120537241	leucine--tRNA ligase, cytoplasmic [Mus musculus]	207,70	10,10	1	11	11	13	ility: nucleotide binding	cytoplasm; nucleus	ion of biological process	Pf00133; Pf01406; Pf01	1,080	0,238	13	5,9	1178	134,1	7,05
18700032	acidic leucine-rich nuclear phosphoprotein 32 family member B [M	142,93	17,28	1	3	6	9	protein binding	ucleus: organelle lumen	igical process; transport	Pf12799	1,080	0,238	5	12,5	272	31,1	4,01
27545181	serine/threonine-protein kinase A-Raf isoform 1 [Mus musculus]	27,20	1,66	3	1	1	1	gnal transducer activity	cytosol; mitochondrion	is: response to stimulus	Pf00069; Pf00130; Pf02	1,080	0,238	1		604	67,5	9,11
56605676	F-box and WD-40 domain protein 20 [Mus musculus]	310,94	29,06	1	7	14	29	protein binding			Pf00646; Pf12937	1,080	0,238	9	3,4	468	53,9	7,96
8393866	ornithine aminotransferase, mitochondrial precursor [Mus muscu	103,86	21,18	1	7	7	10	catalytic activity	ndrion: organelle lumen	esis: metabolic process	Pf00202	1,080	0,238	10	3,7	439	48,3	6,62
298231158	proline/serine-rich coiled-coil protein 1 [Mus musculus]	48,95	4,26	1	1	1	1	protein binding	leton; cytosol; nucleus	ion of biological process		1,080	0,238	1		329	34,7	10,70
51491845	clathrin heavy chain 1 [Mus musculus]	1743,89	32,60	1	56	56	117	ctural molecule activity	mbrane: mitochondrion	igical process; transport	Pf00637; Pf01394; Pf04	1,080	0,238	112	14,2	1675	191,4	5,69
124486606	predicted gene 12657 [Mus musculus]	362,61	42,65	7	1	10	62	DNA binding			Pf00125	1,080	0,238	2	4,9	136	15,2	11,52
225543561	uncharacterized protein KIAA2013 precursor [Mus musculus]	83,97	9,31	1	5	5	6		membrane		Pf10222	1,080	0,238	6	12,2	634	69,4	7,80
6677739	regucalcin [Mus musculus]	521,30	32,78	1	9	9	34	livity: metal ion binding	cytoplasm; nucleus	is: response to stimulus	Pf08450	1,081	0,235	26	7,1	299	33,4	5,34
157951706	hypoxia up-regulated protein 1 precursor [Mus musculus]	849,43	27,33	1	32	32	72	nucleotide binding	ellular: organelle lumen	in: response to stimulus	Pf00012	1,081	0,235	72	10,6	999	111,1	5,19
21313226	histone chaperone ASF1B [Mus musculus]	58,36	18,32	1	2	3	3	protein binding	ucleus: organelle lumen	ion of biological process	Pf04729	1,081	0,235	2	8,2	202	22,5	4,44
312222675	Golgin subfamily A member 5 [Mus musculus]	124,17	6,72	1	5	5	5	activity: protein binding	ucleus: organelle lumen	reproduction; transport	Pf00038; Pf00769; Pf01	1,081	0,235	5	1,4	729	82,3	6,23
224967104	arginine/serine-rich splicing factor 6 [Mus musculus]	40,13	8,85	1	2	4	4	le binding: RNA binding	ucleus: organelle lumen	is: response to stimulus	Pf00076	1,081	0,235	2	13,4	339	39,0	11,46
422398909	RING finger and CHY zinc finger domain-containing protein 1 isofo	43,41	7,24	2	2	2	2	binding: protein binding	cytoplasm; nucleus	ion of biological process		1,082	0,233	2	7,1	221	25,2	7,30
13385518	ADP-ribosylation factor-like protein 8B [Mus musculus]	69,70	5,38	2	1	1	2	binding: protein binding	brane; nucleus; vacuole	is: response to stimulus	Pf00025; Pf00071; Pf01	1,082	0,233	2	11,4	186	21,5	8,43
262399377	kelch domain-containing protein 3 [Mus musculus]	0,00	4,45	1	1	1	1	protein binding	ucleus: organelle lumen	ogenesis; reproduction	Pf01344; Pf07446	1,082	0,233	1		382	43,0	8,09
30424697	starch-binding domain-containing protein 1 [Mus musculus]	64,62	13,31	1	5	5	5		membrane		Pf00686	1,082	0,233	5	10,4	388	36,1	5,99
9055282	double-strand break repair protein MRE11A [Mus musculus]	0,00	1,42	1	1	1	1	binding: protein binding	ucleus: organelle lumen	in: response to stimulus	Pf00149; Pf04152	1,082	0,233	1		706	80,2	6,01
20587962	ubiquitinone biosynthesis protein COQ7 homolog [Mus musculus]	0,00	5,07	1	1	1	1	livity: metal ion binding	mitochondrion; nucleus	is: response to stimulus	Pf00232	1,082	0,233	1		217	24,0	7,17
6679299	prohibitin [Mus musculus]	369,47	34,56	2	10	10	15	binding: protein binding	ucleus: organelle lumen	is: response to stimulus	Pf01145	1,082	0,233	15	5,7	272	29,8	5,76
6677987	histone RNA hairpin-binding protein [Mus musculus]	103,82	8,73	1	5	5	10	RNA binding	cytoplasm; nucleus	ibolic process; transport		1,082	0,233	10	8,0	275	31,6	6,80
13385896	ras-related protein Rab-3c [Mus musculus]	35,83	13,45	2	1	3	3	nucleotide binding	mitochondrion; nucleus	ie to stimulus; transport	Pf00025; Pf00071; Pf04	1,083	0,230	1		223	25,1	6,68
9910194	dihydropyridine dehydrogenase (quinone), mitochondrial precursor	83,53	9,11	1	3	3	3	livity: nucleotide binding	mbrane: mitochondrion	ie to stimulus; transport	Pf01180	1,083	0,230	3	6,2	395	42,7	9,55
106507168	ras-related protein Rab-12 [Mus musculus]	0,00	2,88	1	1	1	1	nucleotide binding	lgi: membrane; vacuole	ie to stimulus; transport	Pf00025; Pf00071; Pf08	1,083	0,230	1		243	27,3	8,41
309267099	PREDICTED: ubiquitinone biosynthesis protein COQ9, mitochondrial	44,09	16,24	2	2	2	2					1,083	0,230	2	7,3	117	13,2	5,73
6679501	26S protease regulatory subunit 4 [Mus musculus]	206,83	25,91	1	9	11	15	in binding: RNA binding	n: nucleus; proteasome	is: response to stimulus	Pf00004; Pf00910; Pf01	1,083	0,230	13	10,0	440	49,2	6,21
162461907	stress-70 protein, mitochondrial [Mus musculus]	1382,10	40,80	1	27	28	69	in binding: RNA binding	ucleus: organelle lumen	ibolic process; transport	Pf00012; Pf06723	1,083	0,230	63	12,1	679	73,4	6,07
21539599	cytochrome b-c1 complex subunit 6, mitochondrial [Mus musculus]	31,19	7,87	1	1	1	1	ing: transporter activity	mbrane: mitochondrion	ibolic process; transport	Pf02320	1,084	0,227	1		89	10,4	4,87
10048462	mitochondrial carnitine/acylcarnitine carrier protein [Mus musculus]	28,81	2,66	1	1	1	1		mbrane; mitochondrion	transport	Pf00153	1,084	0,227	1		301	33,0	9,11
72384367	transmembrane protein 199 [Mus musculus]	183,54	28,85	1	7	7	12		membrane		Pf11712	1,084	0,227	10	6,4	208	23,1	9,10
256985114	diphosphomevalonate decarboxylase [Mus musculus]	64,78	3,74	1	1	1	1	binding: protein binding	ytosol: organelle lumen	ion of biological process		1,084	0,227	1		401	44,0	6,30
31560391	programmed cell death protein 10 [Mus musculus]	0,00	3,30	1	1	1	1	protein binding	llular; Golgi; membrane	is: response to stimulus	Pf06840	1,084	0,227	1		212	24,7	8,19
22122499	securin-2 [Mus musculus]	26,34	2,35	1	1	1	1	catalytic activity	extracellular	metabolic process	Pf03577	1,084	0,227	1		425	46,6	5,71
25141231	retinol dehydrogenase 10 [Mus musculus]	29,92	2,64	1	1	1	1	livity: nucleotide binding	ic reticulum; membrane	ic process; reproduction	Pf00106	1,085	0,225	1		341	38,1	7,59
9790141	actin-related protein 2/3 complex subunit 3 [Mus musculus]	41,51	20,79	1	4	4	6	protein binding	oskeleton; extracellular	ion of biological process	Pf04062	1,085	0,225	5	12,6	178	20,5	8,59
21553309	NAD(P)H-hydrate epimerase precursor [Mus musculus]	73,12	14,18	1	4	4	8	binding: protein binding	ellular: mitochondrion	esis: metabolic process	Pf03853	1,085	0,225	7	11,4	282	31,0	7,49
6678760	acyl-protein thioesterase 1 [Mus musculus]	140,25	13,91	1	3	3	5	catalytic activity	cytosol; mitochondrion	igical process; transport	Pf00561; Pf02230; Pf12	1,085	0,225	5	2,4	230	24,7	6,62
19527336	thioredoxin domain-containing protein 11 isoform 2 [Mus muscu	29,80	3,40	2	1	1	1		ic reticulum; membrane	ion of biological process	Pf00085	1,085	0,225	1		324	37,0	9,04
21312406	ADP-dependent glucokinase precursor [Mus musculus]	95,75	7,86	1	3	3	3	livity: metal ion binding	extracellular	metabolic process	Pf04587	1,085	0,225	3	3,6	496	53,9	5,62
6755252	transcriptional activator protein Pur-beta [Mus musculus]	62,59	4,63	1	1	2	2	lation regulator activity	ucleus: organelle lumen	ion of biological process	Pf04845	1,085	0,225	1		324	33,9	5,43
189458854	cat eye syndrome critical region protein 2 [Mus musculus]	0,00	0,98	1	1	1	1	protein binding	ucleus: organelle lumen	eloment; reproduction	Pf00439	1,085	0,225	1		1425	158,5	6,65
113195688	lamin-B2 [Mus musculus]	165,91	10,57	1	6	6	6	ctural molecule activity	ucleus: organelle lumen		Pf00038; Pf00932; Pf04	1,085	0,225	6	4,4	596	67,3	5,50
6678499	UDF-glucose 6-dehydrogenase [Mus musculus]	117,08	7,10	1	3	3	3	livity: nucleotide binding	plasm; cytosol; nucleus	ment; metabolic process	Pf00984; Pf03720; Pf03	1,085	0,225	3	10,3	493	54,8	7,56
46849708	succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial pre	304,00	24,19	1	11	11	16	ing: nucleotide binding	ellular: mitochondrion	metabolic process	Pf00549; Pf02222; Pf02	1,086	0,222	15	8,6	463	50,1	7,01
145587094	uncharacterized protein C2orf47 homolog, mitochondrial precursor	31,88	3,09	1	1	1	1		toplasm; mitochondrion			1,086	0,222	1		291	33,0	9,14
42741688	solute carrier family 23 member 2 [Mus musculus]	48,96	2,62	1	1	1	1	transporter activity	cytoplasm; membrane	ie to stimulus; transport	Pf00860	1,086	0,222	1		648	70,0	7,50
114158675	leukocyte elastase inhibitor A [Mus musculus]	69,58	8,71	1	3	3	3	zyme regulator activity	cytoplasm; extracellular	ion of biological process	Pf00079	1,086	0,222	3	12,3	379	42,5	6,21
9910550	signal peptidase complex catalytic subunit SEC11A [Mus musculus]	26,73	13,41	1	3	3	3	catalytic activity	ic reticulum; membrane	metabolic process	Pf00717	1,086	0,222	3	3,0	179	20,6	9,33
6677801	40S ribosomal protein S17 [Mus mus																	

6753884	peptidyl-prolyl cis-trans isomerase FKBP5 [Mus musculus]	84.48	13.38	1		7	7	8.activity: protein binding	im: membrane; nucleus	metabolic process	PI00254; PI00515	1,087	0,220	8	4.9	456	50.9	7.80	
31541860	apataxin and PNK-like factor isoform 2 [Mus musculus]	55.27	4.60	2		2	2	2.binding: nucleotide binding	me: cytoplasm; nucleus	response to stimulus	PI10283	1,087	0,220	2		15.9	478	53.0	5.21
27754065	inorganic pyrophosphatase [Mus musculus]	280.68	28.72	1		10	10	21.tivity: metal ion binding	cytoplasm; extracellular	metabolic process	PI00719	1,087	0,220	19		289	32.6	5.60	
45476581	non-specific lipid-transfer protein [Mus musculus]	351.80	15.72	1		10	10	22.ling: transporter activity	mitochondrion; nucleus	igical process; transport	PI00108; PI00109; PI02	1,087	0,220	18		13.8	547	59.1	7.44
254587964	acyl-coenzyme A thioesterase 8 [Mus musculus]	59.98	13.13	1		6	6	8.activity: protein binding	ndrion: organelle lumen	esis: metabolic process	PI00251	1,087	0,220	8		6.0	320	35.8	7.64
10181218	geminin [Mus musculus]	63.92	7.77	1		2	2	2.binding: protein binding	cytoplasm; nucleus	ion of biological process	PI07412; PI10359	1,088	0,217	2		15.9	206	23.3	4.67
9506985	lysosomal thioesterase PPT2 precursor [Mus musculus]	23.74	2.98	1		1	1	1 catalytic activity	im: membrane; vacuole	ibolic process; transport	PI00561; PI02089; PI07	1,088	0,217	1		302	34.3	6.39	
119964708	transmembrane 7 superfamily member 3 precursor [Mus musculus]	38.81	3.54	1		2	2	2	extracellular; membrane			1,088	0,217	2		0.5	565	63.2	8.25
86198316	protein disulfide-isomerase A4 precursor [Mus musculus]	1992.94	53.35	1		40	41	134.in binding: RNA binding	culum: organelle lumen	ion of biological process	PI00085; PI01216	1,088	0,217	116		10.4	641	72.3	5.22
124248484	teneurin-4 [Mus musculus]	0.00	0.68	1		1	1	1 protein binding	im: membrane; nucleus	response to stimulus	PI05593; PI06484	1,088	0,217	1			2796	311.0	6.49
13385472	60S ribosomal protein L14 [Mus musculus]	268.73	33.18	1		7	7	9.ctrual molecule activity	extracellular; ribosome	metabolic process	PI01929	1,088	0,217	8		8.5	217	23.5	11.02
309268906	PREDICTED: mitochondrial import inner membrane translocase su	65.35	33.62	2		4	4	4 protein binding	mbrane: mitochondrion	reproduction; transport	PI00226	1,088	0,217	4		1.8	116	12.4	10.10
28077051	neurolysin, mitochondrial precursor [Mus musculus]	365.45	23.01	1		16	16	22.tivity: metal ion binding	mbrane: mitochondrion	metabolic process	PI01432	1,089	0,215	21		9.4	704	80.4	6.44
13384990	migration and invasion enhancer 1 [Mus musculus]	28.91	6.09	1		1	1	1 protein binding	sm: cytosol; membrane	ion of biological process	PI10262	1,089	0,215	1			115	12.3	4.51
13195604	40S ribosomal protein S23 [Mus musculus]	227.73	22.38	2		4	4	11.ctrual molecule activity	janelle lumen: ribosome	metabolic process	PI00164	1,089	0,215	11		12.2	143	15.8	10.49
6753036	aldehyde dehydrogenase, mitochondrial precursor [Mus musculus]	937.35	42.77	6		23	24	65.binding: protein binding	ndrion: organelle lumen	ion of biological process	PI00171	1,089	0,215	57		11.3	519	56.5	7.62
21313330	PACRG-like protein [Mus musculus]	39.44	4.03	1		1	1	1			PI10274	1,089	0,215	1			248	27.3	9.89
32441290	protein lunapark isoform a [Mus musculus]	109.91	7.76	2		3	3	4	ic reticulum; membrane	response to stimulus	PI10058	1,089	0,215	4		11.6	425	47.5	5.27
31542899	guanine nucleotide-binding protein subunit beta-4 [Mus musculus]	116.83	10.29	1		2	3	3.gnal transducer activity	im: membrane; vacuole	response to stimulus	PI00400	1,089	0,215	2			340	37.4	6.16
84095197	transmembrane protein 55B [Mus musculus]	0.00	3.87	1		1	1	1 catalytic activity	ne: membrane; vacuole	metabolic process	PI09788	1,089	0,215	1			284	30.0	8.82
14916479	cation-dependent mannose-6-phosphate receptor precursor [Mus	52.15	8.27	1		2	2	2 transporter activity	ne: membrane; vacuole	transport	PI02157; PI09451	1,089	0,215	2		18.4	278	31.2	5.39
112181167	complement component 1 Q subcomponent-binding protein, mitoc	154.03	17.20	1		3	3	7.in binding: RNA binding	ucleus: organelle lumen	n: response to stimulus	PI02330	1,090	0,212	7		9.0	279	31.0	4.87
251823852	protein argonaute-1 [Mus musculus]	0.00	0.93	4		1	1	1 in binding: RNA binding	cytoplasm	ion of biological process	PI02170; PI02171; PI08	1,090	0,212	1			857	97.2	9.16
50345978	heat shock-related 70 kDa protein 2 [Mus musculus]	1568.32	41.71	1		12	29	81.binding: protein binding	ucleus: organelle lumen	n: response to stimulus	PI00012; PI06723	1,090	0,212	13		6.4	633	69.6	5.67
7657220	ICOS ligand precursor [Mus musculus]	0.00	3.11	1		1	1	1 protein binding	cell surface; membrane	response to stimulus	PI07634; PI07686; PI08	1,090	0,212	1			322	35.9	7.91
156766074	solute carrier family 12 member 6 isoform 1 [Mus musculus]	33.02	0.91	2		1	1	1.ling: transporter activity	membrane	response to stimulus; transport	PI00324; PI01490; PI03	1,090	0,212	1			1099	122.0	6.96
113195678	lysosome-associated membrane glycoprotein 1 precursor [Mus mu	232.05	8.37	1		3	3	8 protein binding	ar: membrane; vacuole	response to stimulus; transport	PI01299	1,090	0,212	8		4.4	406	43.8	8.40
21703948	replication factor C subunit 4 [Mus musculus]	47.67	6.87	1		3	3	3.ling: nucleotide binding	chromosome; nucleus	response to stimulus	PI00004; PI03215; PI05	1,090	0,212	3		8.2	364	39.8	6.70
46849745	serine/threonine-protein phosphatase 4 regulatory subunit 3A isofo	36.47	2.44	3		2	2	2 protein binding	y: cytoskeleton; nucleus	ion of biological process	PI04802	1,090	0,212	2		17.8	820	93.8	4.89
218777834	protein MCM10 homolog [Mus musculus]	0.00	0.79	1		1	1	1 binding: protein binding	ucleus: organelle lumen	ation; metabolic process	PI09329; PI09332	1,090	0,212	1			885	98.3	8.85
30409988	UDF-glucose 4-epimerase [Mus musculus]	78.63	13.54	1		4	4	7.binding: protein binding		metabolic process	PI00106; PI01073; PI01	1,090	0,212	6		14.9	347	38.2	6.74
124486883	tetratricopeptide repeat protein 37 [Mus musculus]	0.00	0.64	1		1	1	1 protein binding	me: cytoplasm; nucleus		PI00515	1,091	0,210	1			1563	173.8	7.12
210031293	choline dehydrogenase, mitochondrial [Mus musculus]	206.01	23.66	1		13	13	18.tivity: nucleotide binding	mbrane: mitochondrion	metabolic process	PI00132; PI01266; PI05	1,091	0,210	18		15.5	596	66.4	8.51
6755614	sperm surface protein Sp17 [Mus musculus]	0.00	7.38	1		1	1	1.activity: protein binding	cytoplasm; membrane	n: response to stimulus	PI02197	1,091	0,210	1			149	17.3	4.83
6755446	45 kDa calcium-binding protein precursor [Mus musculus]	35.32	2.77	1		1	1	1 binding: protein binding	brane: organelle lumen	response to stimulus; transport	PI01011	1,091	0,210	1			361	42.0	4.96
6753498	cytochrome c oxidase subunit 4 isoform 1, mitochondrial precursor	368.87	52.07	1		11	11	23.tivity: transporter activity	mitochondrion; nucleus	response to stimulus; transport	PI02936	1,091	0,210	23		9.2	169	19.5	9.23
31559970	transmembrane protein 214 [Mus musculus]	38.16	1.46	1		1	1	1 ic reticulum; membrane		cell death	PI10151	1,092	0,207	1			687	76.4	9.29
112181204	proto-oncogene c-Ret [Mus musculus]	33.02	1.53	1		1	1	1 binding: protein binding	cytoplasm; nucleus	response to stimulus	PI00554	1,092	0,207	1			588	65.1	6.60
6680003	gap junction alpha-4 protein [Mus musculus]	119.02	3.30	1		1	1	2	membrane	response to stimulus; transport	PI00029; PI10582	1,092	0,207	2		2.4	333	37.6	7.62
309265053	PREDICTED: up-regulated during skeletal muscle growth protein 5	62.72	25.86	1		1	1	1	mbrane: mitochondrion		PI00207	1,092	0,207	1			58	6.4	9.83
46518506	alpha-methylacyl-CoA racemase [Mus musculus]	138.24	21.00	1		8	8	8.activity: protein binding	toplasm; mitochondrion	metabolic process	PI002515	1,092	0,207	8		8.1	381	41.7	7.40
13385408	60S ribosomal protein L11 [Mus musculus]	138.68	31.46	4		6	6	12.ctrual molecule activity	janelle lumen: ribosome	ibolic process; transport	PI00281; PI00673	1,092	0,207	10		5.4	178	20.2	9.60
315013583	death domain-associated protein 6 [Mus musculus]	0.00	1.89	1		1	1	2 protein binding	ucleus: organelle lumen	response to stimulus	PI03344	1,092	0,207	1			740	81.5	4.70
47894398	tropomyosin alpha-4 chain [Mus musculus]	155.29	29.03	1		8	10	11.binding: protein binding	cytoplasm; cytoskeleton		PI00261; PI12718	1,093	0,205	9		20.6	248	28.5	4.68
27754054	dephospho-CoA kinase domain-containing protein [Mus musculus]	97.59	29.44	1		8	8	11.tivity: nucleotide binding	toplasm; mitochondrion	metabolic process	PI01121	1,093	0,205	11		10.2	231	26.5	9.58
295317330	synaptosomal-associated protein 23 isoform b [Mus musculus]	45.01	11.43	3		2	2	2 protein binding	brane: nucleus; vacuole	igical process; transport	PI00835; PI05739	1,093	0,205	2		5.5	210	23.2	4.98
13385322	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7 (69.92	23.36	1		3	3	4 catalytic activity	mbrane: mitochondrion	ibolic process; transport	PI05676	1,093	0,205	3		1.2	137	16.3	8.18
74271799	acyl-CoA dehydrogenase family member 11 [Mus musculus]	39.13	3.08	1		2	3	3.tivity: nucleotide binding	mitochondrion; nucleus	metabolic process	PI00441; PI01636; PI02	1,093	0,205	2		5.8	779	87.3	8.43
21313484	iron-sulfur cluster assembly enzyme ISCU, mitochondrial precursor	127.34	29.17	1		7	7	10.ctrual molecule activity	cytosol; mitochondrion	esis; metabolic process	PI01592	1,094	0,203	10		8.3	168	18.1	9.29
149266669	PREDICTED: NADH dehydrogenase [ubiquinone] 1 beta subcomp	44.41	16.28	1		2	2	4 catalytic activity	mitochondrion; nucleus	response to stimulus; transport	PI07225	1,094	0,203	3		4.5	129	15.1	9.89
9845273	mitochondrial carrier homolog 1 [Mus musculus]	94.80	8.74	1		3	3	3 mbrane: mitochondrion	igical process; transport	PI00153	1,094	0,203	3		3.5	389	41.5	9.32	
14874526	ras-related protein Rab-7a [Mus musculus]	284.37	31.40	1		7	7	12.binding: protein binding	brane: nucleus; vacuole	response to stimulus; transport	PI00009; PI00025; PI00	1,094	0,203	12		10.7	207	23.5	6.70
21539587	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3	52.62	8.33	1		1	1	1	mbrane: mitochondrion	ibolic process; transport	PI00111	1,094	0,203	1			84	9.3	8.47
124430773	nitric oxide-inducible gene protein [Mus musculus]	17.25	0.78	1		1	1	1	cytoplasm; nucleus	n: response to stimulus	PI08646	1,094	0,203	1			899	100.1	7.08
124487161	peptidylprolyl isomerase-like 5 [Mus musculus]	67.41	10.66	1		5	5	5.activity: protein binding			PI12799	1,094	0,203	5		2.3	422	47.5	8.57
21702962	peroxisome assembly factor 2 [Mus musculus]	43.82	1.22	1		1	1	1 in binding: RNA binding	sm: cytosol; membrane	igical process; transport	PI00004; PI00910; PI05	1,094	0,203	1			981	104.5	7.34
229892322	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial p	195.90	18.02	1		13	13	15.tivity: metal ion binding	mbrane: mitochondrion	ibolic process; transport	PI00111; PI00384; PI09	1,094	0,203	14		4.0	727	79.7	5.72
428673529	anoxamin-10 isoform 2 [Mus musculus]	148.71	8.65	2		5	5	6 transporter activity	membrane	transport	PI01457	1,094	0,203	6		7.7	601	69.2	7.40
309262452	PREDICTED: 60S ribosomal protein L21-like [Mus musculus]	71.22	13.75	11		4	4	7.ctrual molecule activity	cytoplasm; ribosome	metabolic process	PI00157	1,094	0,203	7		15.2	160	18.6	10.49
170763477	tissue-type plasminogen activator proproteoglycan [Mus musculus]	236.97	27.01	1		12	12	19.activity: protein binding	cytoplasm; extracellular	n: response to stimulus	PI00039; PI00051; PI00	1,095	0,200	17		5.6	559	63.1	8.15
255308899	60S ribosomal protein L3 [Mus musculus]	69.75	9.68	5		7	7	8.ctrual molecule activity	janelle lumen: ribosome	response to stimulus	PI00297	1,095	0,200	8		24.4	403	46.1	10.21
15277319	leucine zipper transcription factor-like protein 1 [Mus musculus]	162.90	18.06	1		5	5	6 protein binding	cytoplasm			1,095	0,200	6		3.6	299	34.8	5.17
326381098	serine--tRNA ligase, cytoplasmic isoform 2 [Mus musculus]	218.57	22.27	2		9	9	12.tivity: nucleotide binding	cellular; mitochondrion	metabolic process	PI00587; PI02403	1,095	0,200	12		6.3	512	58.4	6.30
34538602	ATP synthase F0 subunit 8 [Mus musculus]	0.00	14.93	1		1	1	2.tivity: transporter activity	mbrane: mitochondrion	ibolic process; transport	PI00895	1,095	0,200	1			67	7.8	9.88
255708458	phospholipase D1 [Mus musculus]	146.17	5.60	1		5	5	5.activity: protein binding	lgi: membrane; vacuole	response to stimulus	PI00169; PI00614; PI00	1,095	0,200	5		15.0	1036	119.5	8.70
31981842	hydroxymethylglutaryl-CoA synthase, cytoplasmic [Mus musculus]	198.88	15.19	1		6	7	7.activity: protein binding	sol: membrane; nucleus	n: response to stimulus	PI01154; PI08540	1,095	0,200	6		15.1	520	57.5	5.99
21313466	elongation factor Ts, mitochondrial precursor [Mus musculus]	108.11	19.44	1		5	5	6 in binding: RNA binding	mitochondrion; nucleus	metabolic process	PI00627; PI00889	1,095							

6753620	ATP-dependent RNA helicase DDX3X [Mus musculus]	622.93	34.74	3	22	25	54	in binding: RNA binding	anelle lumen: ribosome	is: response to stimulus	Pf00270: Pf00271	1,097	0,196	41	15,4	662	73,1	7,18	
6753992	gap junction alpha-1 protein [Mus musculus]	115,15	14,66	1	6	6	13	lity: transporter activity	mitochondrion: vacuole	to stimulus: transport	Pf00029: Pf03508: Pf10	1,097	0,196	12	7,2	382	43,0	8,76	
254540029	ER degradation enhancer, mannosidase alpha-like 2 precursor [Mus musculus]	34,27	2,08	1	1	1	1	livity: metal ion binding	membrane	metabolic process	Pf01532	1,097	0,196	1		577	64,6	5,55	
251823794	actin-binding protein anillin [Mus musculus]	172,93	6,24	1	7	7	7	protein binding	y: cytoskeleton: nucleus	ogenesis: development	Pf00169	1,097	0,196	7	9,0	1121	122,7	6,98	
132626693	mediator of DNA damage checkpoint protein 1 [Mus musculus]	30,58	0,47	1	1	1	1	ctural molecule activity	chromosome	is: response to stimulus	Pf00048: Pf00533: Pf03	1,097	0,196	1		1708	184,7	5,17	
110347535	heterogeneous nuclear ribonucleoprotein L-like [Mus musculus]	74,93	3,72	1	2	2	2	le binding: RNA binding	nucleus	ion of biological process	Pf00076	1,097	0,196	2	0,4	591	64,1	5,85	
124486712	ribosome-binding protein 1 isoform a [Mus musculus]	252,91	24,52	2	15	15	16	protein binding	ucleus: organelle lumen	ical process: transport	Pf00038: Pf03276: Pf03	1,098	0,193	16	11,5	1464	158,3	9,19	
23956396	erlin-2 [Mus musculus]	226,37	22,06	1	6	8	9	protein binding	c reticulum: membrane	metabolic process	Pf01145	1,098	0,193	7	3,9	340	37,8	5,50	
13385310	propionyl-CoA carboxylase beta chain, mitochondrial precursor [Mus musculus]	100,47	14,60	1	7	7	7	livity: nucleotide binding	ndrion: organelle lumen	metabolic process	Pf01039	1,098	0,193	7	1,6	541	58,4	7,66	
12963557	DNA methyltransferase 1-associated protein 1 [Mus musculus]	20,82	1,71	1	1	1	1	activity: protein binding	ucleus: organelle lumen	to stimulus: transport	Pf00499	1,098	0,193	1		468	53,1	9,50	
6678848	multidrug resistance-associated protein 1 [Mus musculus]	36,51	1,57	1	2	2	2	ing: transporter activity	lgi: membrane: nucleus	to stimulus: transport	Pf00005: Pf00664	1,099	0,191	2	1,4	1528	171,1	7,36	
34304032	cytochrome c oxidase assembly protein COX14 [Mus musculus]	49,66	14,04	1	1	1	1	gnal transducer activity	mbrane: mitochondrion	ization and biogenesis		1,099	0,191	1		57	6,4	9,79	
10092608	glutathione S-transferase P 1 [Mus musculus]	163,62	16,19	4	3	3	5	activity: protein binding	mitochondrion: nucleus	is: response to stimulus	Pf00043: Pf02798	1,099	0,191	5	13,5	210	23,6	7,87	
33469075	cellular retinoic acid-binding protein 2 [Mus musculus]	82,33	34,06	2	6	6	7	ing: transporter activity	y: extracellular: nucleus	ibolic process: transport	Pf00061	1,099	0,191	7	7,1	138	15,7	5,71	
13928668	vesicle transport through interaction with 1-SNAREs homolog 1A [Mus musculus]	0,00	4,15	1	1	1	1	protein binding	lasm: Golgi: membrane	id biogenesis: transport	Pf05008: Pf12352	1,099	0,191	1		217	25,0	6,40	
52138536	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 [Mus musculus]	95,58	2,53	2	4	5	5	protein binding	ndrion: organelle lumen	to stimulus: transport	Pf01369: Pf12783	1,099	0,191	4	9,5	1861	206,7	5,80	
340007377	V-type proton ATPase 116 kDa subunit a isoform 1 isoform 3 [Mus musculus]	112,37	6,25	5	5	5	5	ing: transporter activity	brane: nucleus: vacuole	transport	Pf01496	1,099	0,191	5	4,4	832	95,6	6,77	
124249351	inter-alpha-trypsin inhibitor heavy chain H1 precursor [Mus musculus]	32,54	4,52	1	4	4	4	activity: protein binding	extracellular	ion of biological process	Pf00092: Pf06668: Pf08	1,100	0,189	4	3,8	907	101,0	6,96	
100815493	wings apart-like protein homolog [Mus musculus]	69,97	3,00	1	3	3	3	ucleus: organelle lumen	is: response to stimulus	Pf07814	1,100	0,189	3	8,0	1200	134,0	5,41		
226823367	fumarate hydratase, mitochondrial precursor [Mus musculus]	677,08	22,09	1	12	12	31	catalytic activity	acellular: mitochondrion	metabolic process	Pf00206: Pf10415	1,100	0,189	30	16,2	507	54,3	9,04	
6679535	prostaglandin synthase precursor [Mus musculus]	0,00	2,99	1	1	1	1	livity: metal ion binding	ar: membrane: nucleus	is: response to stimulus	Pf00067	1,100	0,189	1		501	57,0	6,73	
171543858	hydroxymethylglutaryl-CoA lyase, mitochondrial precursor [Mus musculus]	69,09	8,31	1	3	3	3	inding: protein binding	ndrion: organelle lumen	is: response to stimulus	Pf00682	1,100	0,189	3	9,0	325	34,2	8,41	
254675249	mothers against decapentaplegic homolog 3 [Mus musculus]	42,82	2,35	1	1	1	1	gnal transducer activity	m: membrane: nucleus	to stimulus: transport	Pf03165: Pf03166	1,100	0,189	1		425	48,0	7,15	
124487483	2-oxoglutarate dehydrogenase-like, mitochondrial [Mus musculus]	610,80	21,09	1	16	20	41	catalytic activity		metabolic process	Pf00676: Pf02779	1,101	0,186	31	12,4	1029	116,5	6,84	
19527258	methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial [Mus musculus]	382,78	26,73	1	15	15	26	ic activity: RNA binding	mitochondrion: nucleus	ation: metabolic process	Pf00171	1,101	0,186	26	9,4	535	57,9	8,07	
258613873	methylthioribulose 1-phosphate dehydratase [Mus musculus]	51,58	3,32	1	1	1	1	inding: protein binding	cytoplasm	is: response to stimulus	Pf00596	1,101	0,186	1		241	26,9	6,90	
407262350	PREDICTED: SUMO-conjugating enzyme UBC9-like [Mus musculus]	110,52	23,42	1	4	4	10	in binding: RNA binding	ucleus: organelle lumen	is: response to stimulus	Pf00179	1,101	0,186	9	13,1	158	18,0	8,66	
285026472	serpin-specific protease 8 isoform a [Mus musculus]	40,79	4,52	1	1	1	1	catalytic activity		metabolic process	Pf02902	1,101	0,186	1		221	25,0	5,95	
294862286	GTP-AMF phosphotransferase AK4, mitochondrial [Mus musculus]	458,50	37,22	1	9	9	32	livity: nucleotide binding	ndrion: organelle lumen	is: response to stimulus	Pf00406: Pf05191	1,101	0,186	29	10,1	223	25,0	7,53	
114326497	laminin subunit beta-1 [Mus musculus]	731,82	16,68	1	28	28	44	ctural molecule activity	mitochondrion: nucleus	to stimulus: transport	Pf00038: Pf00053: Pf00	1,102	0,184	40	10,4	1834	202,3	5,01	
125988403	signal peptidase complex subunit 3 [Mus musculus]	0,00	11,67	1	2	2	2	catalytic activity	c reticulum: membrane	metabolic process	Pf04573	1,102	0,184	2	0,5	180	20,3	8,62	
241982696	aladin [Mus musculus]	129,44	16,30	1	7	7	8	protein binding	m: membrane: nucleus	to stimulus: transport	Pf00400	1,102	0,184	8	10,8	546	59,4	6,87	
21539585	cytochrome b-c1 complex subunit 8 [Mus musculus]	122,19	41,46	1	5	5	9	livity: transporter activity	mbrane: mitochondrion	ibolic process: transport	Pf02939	1,102	0,184	9	6,4	82	9,8	10,26	
31560653	6-phosphofructokinase, liver type [Mus musculus]	158,30	13,97	1	5	9	10	inding: protein binding	m: cytosol: extracellular	to stimulus: transport	Pf00365	1,102	0,184	5	13,2	780	85,3	7,17	
31559956	sn-1-specific diacylglycerol lipase beta [Mus musculus]	347,65	26,91	1	18	18	26	livity: metal ion binding	m: membrane: vacuole	ment: metabolic process		1,102	0,184	25	12,5	669	73,9	6,73	
241666483	peroxisomal membrane protein 11B isoform 1 [Mus musculus]	49,99	7,34	2	2	2	2	protein binding	mbrane: mitochondrion	is: response to stimulus	Pf05648	1,102	0,184	2	2,1	259	28,7	9,95	
33563256	guanine nucleotide-binding protein G(i) subunit alpha [Mus musculus]	141,72	15,54	9	2	5	5	gnal transducer activity	lgi: membrane: vacuole	to stimulus: transport	Pf00025: Pf00503	1,102	0,184	2	1,4	354	40,5	5,69	
25141335	copine-3 [Mus musculus]	107,60	8,26	1	4	4	6	in binding: RNA binding	m: cytosol: extracellular	metabolic process	Pf00168: Pf07002	1,102	0,184	6	12,7	533	59,5	5,78	
9055178	mitochondrial pyruvate carrier 1 [Mus musculus]	0,00	13,76	1	2	2	2	livity: transporter activity	mbrane: mitochondrion	ibolic process: transport	Pf01483: Pf03650	1,103	0,182	2	12,8	109	12,4	9,61	
46852276	ATP-dependent RNA helicase Dhh29 [Mus musculus]	0,00	0,66	1	1	1	1	le binding: RNA binding	toplasm: mitochondrion	metabolic process	Pf00270: Pf00271: Pf04	1,103	0,182	1		1365	153,9	7,94	
13386066	glycine cleavage system P protein, mitochondrial precursor [Mus musculus]	53,13	5,88	2	1	1	1	activity: protein binding	toplasm: mitochondrion	metabolic process	Pf01597	1,103	0,182	1		170	18,6	4,75	
111038118	hydroxyacyl-coenzyme A dehydrogenase, mitochondrial precursor [Mus musculus]	80,53	12,10	2	5	6	8	livity: nucleotide binding	ucleus: organelle lumen	to stimulus: transport	Pf00725: Pf01266: Pf02	1,103	0,182	5	2,9	314	34,4	8,65	
19111162	transmembrane 9 superfamily member 3 precursor [Mus musculus]	94,70	5,79	1	4	4	4	activity: protein binding	membrane		Pf02990	1,103	0,182	4	10,1	587	67,5	7,21	
27369660	NACHT, LRR and PYD domains-containing protein 4B [Mus musculus]	268,01	14,14	3	12	13	21	inding: protein binding		is: response to stimulus	Pf02758: Pf05729	1,103	0,182	18	10,6	863	99,9	5,55	
21311873	heat shock factor-binding protein 1 [Mus musculus]	42,88	14,47	1	1	1	1	activity: protein binding	y: cytoskeleton: nucleus		Pf06825	1,103	0,182	1		76	8,6	4,31	
16716455	E3 ubiquitin-protein ligase TRIM11 [Mus musculus]	36,00	2,57	1	1	1	1	inding: protein binding	cytoplasm: nucleus	is: response to stimulus	Pf00097: Pf06622: Pf00	1,103	0,182	1		467	52,5	5,31	
149274885	PREDICTED: ES1 ligase homolog, mitochondrial-like isoform 1 [Mus musculus]	159,57	21,05	2	5	5	6	activity: protein binding	toplasm: mitochondrion		Pf01965	1,103	0,182	6	3,4	266	28,1	8,78	
261878607	heterogeneous nuclear ribonucleoprotein F [Mus musculus]	95,77	12,77	1	3	5	10	in binding: RNA binding	y: spliceosomal complex	ion of biological process	Pf00076: Pf08080	1,104	0,180	6	7,3	415	45,7	5,49	
225543141	dual specificity testis-specific protein kinase 2 [Mus musculus]	0,00	2,11	1	1	1	1	ing: nucleotide binding	cytoplasm: nucleus	process: reproduction	Pf00669: Pf07714	1,104	0,180	1		570	63,4	7,24	
31980648	ATP synthase subunit beta, mitochondrial precursor [Mus musculus]	1291,42	39,89	1	18	18	73	lity: transporter activity	ucleus: organelle lumen	ical process: transport	Pf00006: Pf0306: Pf02	1,104	0,180	68	11,8	529	56,3	5,34	
161016839	tyrosine-protein kinase BTK [Mus musculus]	48,45	0,91	1	1	1	3	inding: protein binding	brane: nucleus: vacuole	to stimulus: transport	Pf00017: Pf00018: Pf00	1,104	0,180	3		659	76,4	7,90	
6754696	macrophage migration inhibitory factor [Mus musculus]	63,30	23,48	3	3	3	7	activity: protein binding	y: extracellular: nucleus	to stimulus: transport	Pf01187	1,104	0,180	6	16,3	115	12,5	7,34	
165377206	translocin-associated protein subunit alpha precursor [Mus musculus]	87,45	6,64	1	2	2	4	activity: protein binding	c reticulum: membrane		Pf03896	1,105	0,178	4	6,8	286	32,0	4,45	
227116353	platelet glycoprotein 4 [Mus musculus]	64,30	4,24	1	2	2	2	gnal transducer activity	mbrane: mitochondrion	to stimulus: transport	Pf01130	1,105	0,178	2	1,1	472	52,7	8,35	
116089351	abl interactor 1 isoform 5 [Mus musculus]	53,18	5,15	5	2	2	2	activity: protein binding	ar: membrane: nucleus	ion of biological process	Pf00018: Pf07653: Pf07	1,105	0,178	2	10,4	388	42,5	6,20	
6481137	acyl-CoA-binding protein isoform 2 [Mus musculus]	73,31	32,18	2	2	2	4	protein binding	mitochondrion: nucleus	ical process: transport	Pf00887	1,105	0,178	4		5,1	87	10,0	8,82
28892017	methionine-R-sulfoxide reductase B3, mitochondrial [Mus musculus]	23,79	11,29	1	2	2	2	livity: metal ion binding	itculum: mitochondrion	is: response to stimulus	Pf01641	1,105	0,178	2	7,1	186	20,2	6,71	
51491862	probable ATP-dependent RNA helicase DDX11 [Mus musculus]	21,32	2,16	1	2	2	2	le binding: RNA binding	ucleus: organelle lumen	esis: metabolic process	Pf06733	1,106	0,175	2	1,2	880	98,7	6,87	
6753364	cell division control protein 42 homolog isoform 1 precursor [Mus musculus]	260,67	22,51	4	3	4	13	inding: protein binding	llular: Golgi: membrane	to stimulus: transport	Pf00025: Pf00071: Pf08	1,106	0,175	8	10,9	191	21,2	6,55	
264681547	inactive rhomboid protein 2 [Mus musculus]	66,00	2,30	1	2	2	2	catalytic activity	c reticulum: membrane	ical process: transport	Pf01594: Pf01694: Pf01	1,106	0,175	2	4,4	827	93,4	8,76	
19526848	MOSC domain-containing protein 2, mitochondrial precursor [Mus musculus]	69,91	6,80	1	3	3	3	livity: metal ion binding	mbrane: mitochondrion	metabolic process	Pf03473: Pf03476	1,106	0,175	3	5,7	338	38,2	8,68	
28849905	ubiquitin-associated and SH3 domain-containing protein B [Mus musculus]	44,68	1,57	1	1	1	1	activity: protein binding	cytoplasm: nucleus	to stimulus: transport	Pf00300: Pf06627	1,106	0,175	1		638	71,4	6,81	
95113671	mitochondrial-processing peptidase subunit beta precursor [Mus musculus]	44,06	4,70	1	2	2	2	livity: metal ion binding	ndrion: organelle lumen	metabolic process	Pf00675: Pf05193	1,106	0,175	2	0,1	489	54,6	6,99	
6680309	10 kDa heat shock protein, mitochondrial [Mus musculus]	633,99	73,53	2	9	9	31	in binding: RNA binding	ndrion: organelle lumen	is: response to stimulus	Pf00166	1,106	0,175	31	8,1	102	11,0	8,35	
6678615	yorkie homolog isoform 2 [Mus musculus]	61,40	5,93	2	2	2	2	inding: protein binding	ol: membrane: nucleus	is: response to stimulus	Pf00397	1,106	0,175	2	28,6	472	50,7	5,00	
6996913	annexin A2 [Mus musculus]	231,82	30,09	1	10	10	13	in binding: RNA binding	brane: nucleus: vacuole	to stimulus: transport	Pf00191	1,106	0,175	13	26,8	339	38,7	7,69	
30519943	sorting and assembly machinery component 50 homolog [Mus musculus]	76,68	24,52	1	12	12	13	protein binding	mbrane: mitochondrion	id biogenesis: transport	Pf01103	1,106	0,17						

119226247	serine/arginine-rich splicing factor 5 [Mus musculus]	0,00	8,55	1		1	2	2 in binding: RNA binding	ucleus: organelle lumen	is: response to stimulus	PI00076	1,108	0,171	1		269	30,9	11,56	
357394970	phosphatidylinositol-binding clathrin assembly protein isoform 6 [N	0,00	1,34	1		1	1	protein binding	lgi: membrane: nucleus	gical process: transport	PI01417: PI07651	1,108	0,171	1		597	64,6	9,01	
110626163	CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferas	504,26	13,92	1		7	7	19 vity: nucleotide binding	iticulum: mitochondrion	metabolic process		1,108	0,171	18	15,9	553	62,4	8,90	
23943838	solute carrier family 25, member 1 [Mus musculus]	100,30	15,43	1		5	5		mbrane: mitochondrion	transport	PI00153	1,109	0,169	5	22,7	311	33,9	9,89	
225543409	paraspeckle component 1 [Mus musculus]	32,42	1,53	1		1	1	1 in binding: RNA binding	ucleus: organelle lumen	ion of biological process	PI00076: PI08075	1,109	0,169	1		523	58,7	6,67	
159110817	monoacylglycerol lipase ABHD12 [Mus musculus]	88,37	8,29	1		4	4	5 catalytic activity	membrane	is: response to stimulus	PI00326: PI00561: PI07	1,109	0,169	5	9,7	398	45,2	8,72	
9055220	formin-binding protein 4 [Mus musculus]	76,65	1,67	1		2	2	2 protein binding	nucleus		PI00397	1,109	0,169	2	12,5	1077	116,2	4,83	
171543853	microtubule-associated protein 1B [Mus musculus]	331,42	11,73	3		23	23	24 activity: protein binding	ion: cytosol: membrane	gical process: transport		1,110	0,167	24	15,0	2464	270,1	4,83	
291463271	transcription activator BRG1 isoform 3 [Mus musculus]	56,53	2,23	3		1	4	4 binding: protein binding	ucleus: organelle lumen	is: response to stimulus	PI00176: PI00270: PI00	1,110	0,167	1		1613	181,3	8,00	
58037465	60S ribosomal protein L18a [Mus musculus]	137,11	30,11	2		5	5	7 ctural molecule activity	lasm: cytosol: ribosome	metabolic process	PI01775	1,110	0,167	7	18,1	176	20,7	10,71	
21312950	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochor	53,23	8,48	1		2	2	2 binding: protein binding	mbrane: mitochondrion	ibolic process: transport	PI01058	1,110	0,167	2		224	24,7	9,92	
18250296	60S ribosomal protein L24 [Mus musculus]	235,94	29,94	2		5	5	10 ctural molecule activity	extracellular: ribosome	is: response to stimulus	PI01246	1,110	0,167	10	12,0	157	17,8	11,25	
61888844	partitioning defective 3 homolog isoform 1 [Mus musculus]	0,00	2,79	4		3	3	3 protein binding	ytoskeleton: membrane	ie to stimulus: transport	PI00595	1,111	0,165	2		8,4	896	98,7	7,61
46593021	cytochrome b-c1 complex subunit 1, mitochondrial precursor [Mus	258,76	17,71	1		8	8	16 binding: protein binding	mbrane: mitochondrion	ie to stimulus: transport	PI00675: PI05193: PI08	1,111	0,165	16	12,1	480	52,8	6,21	
157951692	mitotic checkpoint serine/threonine-protein kinase BUB1 beta [Mu	993,39	28,90	1		29	29	55 binding: protein binding	ucleus: organelle lumen	esis: metabolic process	PI08311	1,111	0,165	53	7,6	1052	118,3	5,43	
41235733	LYR motif-containing protein 4 [Mus musculus]	88,64	48,35	1		4	4	5 mitochondrion: nucleus			PI05347	1,111	0,165	5		8,3	91	10,8	10,13
33859753	ras-related protein Rap-1b precursor [Mus musculus]	134,02	23,37	1		2	4	4 binding: protein binding	xtracellular: membrane	ie to stimulus: transport	PI00071: PI08477	1,111	0,165	2		6,5	148	20,8	5,78
128485541	tripartite motif-containing protein 26 isoform a [Mus musculus]	42,44	2,02	1		1	1	1 binding: protein binding	cytoplasm	is: response to stimulus	PI00097: PI00622: PI00	1,112	0,163	1		545	62,8	5,05	
188219589	lamin-B1 [Mus musculus]	435,05	26,53	1		19	19	20 ctural molecule activity	ucleus: organelle lumen	is: response to stimulus	PI00038: PI00932: PI01	1,112	0,163	20		8,1	588	66,7	5,16
6755899	translin [Mus musculus]	32,52	7,89	1		2	2	2 in binding: RNA binding	cytoplasm: nucleus	metabolic process	PI01997	1,112	0,163	2		29,7	228	26,2	6,44
30424738	uncharacterized protein C6orf15 homolog precursor [Mus muscu	53,19	2,58	1		1	1	1 protein binding	extracellular	inization and biogenesis		1,112	0,163	1		349	36,6	8,87	
40254124	SWI/SNF-related matrix-associated actin-dependent regulator of c	68,43	3,24	2		4	4	4 binding: protein binding	ucleus: organelle lumen	is: response to stimulus	PI00176: PI00270: PI00	1,112	0,163	4		3,1	1051	121,6	8,15
111185905	ecotropic viral integration site 5 protein [Mus musculus]	48,31	1,24	1		1	1	1 zyme regulator activity	lgi: membrane: nucleus	ion of biological process	PI00038: PI00566: PI02	1,113	0,161	1		809	92,8	6,16	
251823874	enolase-phosphatase E1 [Mus musculus]	0,00	3,11	1		1	1	1 vity: metal ion binding	cytoplasm: nucleus	metabolic process		1,113	0,161	1		257	28,6	4,92	
16751835	cleavage and polyadenylation specificity factor subunit 1 isoform 2	29,88	2,43	2		3	3	3 RNA binding	ucleus: organelle lumen	metabolic process	PI03178: PI10433	1,113	0,161	3		5,5	1441	160,7	6,39
54261813	presenilin-associated rhomboid-like protein, mitochondrial precu	94,34	11,41	1		5	5	8 catalytic activity	mitochondrion: nucleus	is: response to stimulus	PI01694	1,113	0,161	7		8,1	377	41,9	9,92
6678553	vesicle-associated membrane protein 3 [Mus musculus]	122,27	16,50	2		1	1	4 protein binding	endosome: membrane	gical process: transport	PI00957	1,113	0,161	4		8,4	103	11,5	8,50
115392140	deleted in autism protein 1 homolog [Mus musculus]	55,18	15,35	2		6	6	7 llular: Golgi: membrane	ie to stimulus: transport			1,113	0,161	6		3,4	430	49,4	8,63
315507139	prefoldin 4 isoform 3 [Mus musculus]	88,41	27,69	3		3	3	4 protein binding	mitochondrion: nucleus	metabolic process	PI01920	1,113	0,161	4		17,4	130	14,7	4,50
23956148	microtubule-associated proteins 1A/1B light chain 3A [Mus muscu	33,05	5,79	2		1	1	1 protein binding	ne: membrane: vacuole	is: response to stimulus	PI02991: PI04110	1,114	0,159	1		121	14,3	8,68	
52138552	N-acetylated-alpha-linked acidic dipeptidase 2 [Mus musculus]	123,31	8,92	3		6	6	6 vity: metal ion binding	mbrane	ation: metabolic process	PI02225: PI04253: PI04	1,114	0,159	6		7,4	740	82,7	8,37
254692892	ADP/ATP translocase 4 [Mus musculus]	634,83	40,94	1		14	16	32 transporter activity	mitochondrion: nucleus	transport	PI00153	1,114	0,159	28		14,1	320	35,2	9,58
194272146	zinc transporter 3 [Mus musculus]	62,94	8,51	1		4	4	4 transporter activity	endosome: membrane	ie to stimulus: transport	PI01545	1,114	0,159	4		8,3	388	41,8	6,38
239937551	dimethylalanine monooxygenase [N-oxide-forming] 5 [Mus muscu	30,63	1,31	1		1	1	1 vity: nucleotide binding	c reticulum: membrane	metabolic process	PI00743: PI07992	1,114	0,159	1		533	60,0	8,73	
255958202	TBC1 domain family member 15 [Mus musculus]	399,80	21,61	2		16	16	28 zyme regulator activity	icellular: mitochondrion	ion of biological process	PI00566: PI12068	1,114	0,159	28		9,8	671	76,5	5,30
31542346	chromobox protein homolog 2 [Mus musculus]	55,04	4,05	1		2	2	2 binding: protein binding	ucleus: organelle lumen	al process: reproduction	PI00385	1,114	0,159	2		5,5	519	54,9	9,95
51491882	SLAIN motif-containing protein 1 [Mus musculus]	0,00	2,07	1		1	1	1				1,114	0,159	1		579	61,3	7,64	
31981525	prostaglandin G/H synthase 2 precursor [Mus musculus]	28,45	1,99	1		1	1	1 binding: protein binding	m: membrane: nucleus	ie to stimulus: transport	PI00008: PI03098	1,114	0,159	1		604	69,0	7,37	
31560264	monoacylglycerol lipase ABHD6 [Mus musculus]	71,39	4,46	1		1	1	1 catalytic activity	mbrane: mitochondrion	is: response to stimulus	PI00151: PI00561: PI12	1,114	0,159	1		336	38,2	8,47	
298231198	nucleoporin NUP53 isoform 2 [Mus musculus]	44,29	4,22	2		1	1	1 protein binding	ucleus: organelle lumen		PI05172	1,114	0,159	1		398	33,1	9,51	
29788753	GPI-anchor transmembrane isoform 1 precursor [Mus musculus]	36,21	2,53	2		1	1	1 catalytic activity	c reticulum: membrane	metabolic process	PI01650	1,115	0,157	1		305	44,9	6,54	
409264643	ribosomal protein L37-like [Mus musculus]	26,70	24,74	1		3	3	7 ctural molecule activity	lasm: cytosol: ribosome	metabolic process	PI01907	1,115	0,157	6		7,8	97	11,1	11,74
8394460	tropomodulin-3 [Mus musculus]	59,63	13,35	1		5	5	5 protein binding	cytoplasm: cytoskeleton	ion of biological process	PI03250	1,115	0,157	5		7,2	352	39,5	5,14
27370470	myotubularin-related protein 12 [Mus musculus]	0,00	1,47	1		1	1	1 catalytic activity	cytoplasm	metabolic process	PI06602: PI12578	1,116	0,155	1		747	85,5	6,84	
6680836	calreticulin precursor [Mus musculus]	1041,91	50,24	1		20	20	102 in binding: RNA binding	ucleus: organelle lumen	ie to stimulus: transport	PI00262	1,116	0,155	99		12,8	416	48,0	4,49
33859530	quinone oxidoreductase [Mus musculus]	0,00	4,23	1		1	1	1 ie binding: RNA binding	ysol: extracellular: Golgi	is: response to stimulus	PI00107: PI08240	1,116	0,155	1		331	35,2	8,07	
7305197	protein jagged-1 precursor [Mus musculus]	0,00	0,99	1		1	1	2 binding: protein binding	mbrane	is: response to stimulus	PI01414: PI07657	1,116	0,155	1		1218	134,1	6,25	
111154109	GTPase NRas precursor [Mus musculus]	76,65	18,52	2		1	3	3 ing: transporter activity	llular: Golgi: membrane	ie to stimulus: transport	PI00009: PI00071: PI02	1,116	0,155	1		189	21,2	5,17	
46195798	dolichyl-diphosphooligosaccharide-protein glycosyltransferase 48	177,14	17,23	1		9	9	13 catalytic activity	c reticulum: membrane	is: response to stimulus	PI00345	1,117	0,153	12		16,3	441	49,0	5,83
157384946	vomeronal receptor Vmn2r68 precursor [Mus musculus]	0,00	0,82	1		1	1	1 gnal transducer activity	mbrane	is: response to stimulus	PI00003: PI01094: PI06	1,117	0,153	1		851	97,6	8,07	
6679465	glucosidase 2 subunit beta precursor [Mus musculus]	388,44	19,19	1		14	14	23 in binding: RNA binding	: endoplasmic reticulum	ion of biological process	PI07915: PI12999	1,117	0,153	23		9,3	521	58,6	4,46
40254367	inhibin alpha chain precursor [Mus musculus]	127,75	7,38	1		2	2	4 protein binding	xtracellular: membrane	reproduction: transport	PI00019	1,117	0,153	4		15,8	366	39,5	8,13
52693935	thioredoxin domain-containing protein 15 precursor [Mus muscu	37,72	1,74	1		1	1	1 membrane	ion of biological process		PI00085	1,117	0,153	1		344	38,1	4,77	
6755688	syntaxin-binding protein 2 [Mus musculus]	47,81	2,53	1		2	2	2 protein binding	ar: membrane: vacuole	ie to stimulus: transport	PI00995	1,117	0,153	2		1,6	593	66,3	6,74
367460068	unconventional myosin-VIIa isoform 4 [Mus musculus]	26,01	0,37	4		1	1	1 binding: protein binding	ol: membrane: vacuole	ibolic process: transport	PI00063: PI00373: PI00	1,117	0,153	1		2166	249,6	8,62	
56797739	malonyl-CoA decarboxylase, mitochondrial [Mus musculus]	50,36	8,54	1		4	4	4 activity: protein binding	ndrion: organelle lumen	is: response to stimulus	PI05292	1,117	0,153	4		13,3	492	54,7	8,94
108860695	chromobox protein homolog 3 [Mus musculus]	86,36	16,94	6		3	3	4 protein binding	ucleus: organelle lumen	ion of biological process	PI00385: PI01393	1,117	0,153	4		6,1	183	20,8	5,33
6679641	emerin [Mus musculus]	45,69	3,86	1		1	1	2 protein binding	ucleus: organelle lumen	ie to stimulus: transport	PI03020	1,118	0,151	2		11,2	259	29,4	5,01
9845295	60S ribosomal protein L36a [Mus musculus]	73,30	26,42	1		3	3	5 ctural molecule activity	lasm: cytosol: ribosome	is: response to stimulus	PI00935	1,118	0,151	5		11,2	106	12,4	10,58
21312432	zinc finger BED domain-containing protein 3 [Mus musculus]	896,77	35,96	1		10	10	58 binding: protein binding	sm: cytosol: membrane	is: response to stimulus		1,118	0,151	49		10,1	228	25,6	6,54
283135118	monofunctional C1-tetrahydrofolate synthase, mitochondrial precu	248,08	13,20	1		13	13	13 binding: protein binding	toplasm: mitochondrion	metabolic process	PI00763: PI01268: PI02	1,118	0,151	13		7,4	977	105,7	7,02
33504483	60S ribosomal protein S9 [Mus musculus]	68,78	32,47	1		8	8	8 lation regulator activity	anelle lumen: ribosome	ion of biological process	PI00163: PI01479	1,118	0,151	8		14,3	194	22,6	10,65
6755863	endoplasmic reticulum precursor [Mus musculus]	2538,27	45,89	1		45	47	216 in binding: RNA binding	ucleus: organelle lumen	is: response to stimulus	PI00183: PI02518	1,118	0,151	198		10,2	802	92,4	4,82
114205437	endoplasmic reticulum lectin 1 precursor [Mus musculus]	39,88	5,80	1		3	3	3 protein binding	ulum: organelle lumen	metabolic process	PI07915	1,119	0,149	3		7,6	483	54,9	6,25
157951743	estradiol 17-beta-dehydrogenase 8 [Mus musculus]	111,75	15,83	1		3	3	4 vity: nucleotide binding	ndrion: organelle lumen	metabolic process	PI00859	1,119	0,149	4		11,8	259	26,6	6,54
31543971	synaptobrevin homolog YKT6 [Mus musculus]	70,49	12,12	1		3	3	3 activity: protein binding	mbrane: mitochondrion	ibolic process: transport	PI00957	1,119	0,149	3		3,0	198	22,3	6,35
125628650	coiled-coil domain-containing protein 47 precursor [Mus musculus]	0,00	1,45	1		1	1	1 n binding: RNA binding	c reticulum: membrane	is: response to stimulus	PI07946	1,119	0,149	1		483	55,8	4,84	
30519971	atlastin-1 [Mus musculus]	190,81	15,77	1		8	9												

85986575	ubiquitin carboxyl-terminal hydrolase 30 [Mus musculus]	53.93	2.90	1		2	2	2	catalytic activity	mbane: mitochondrion	metabolic process	Pf00443		1,122	0,143	2		12,7	517	58,2	8,46
38016154	nuclear pore complex protein Nup50 [Mus musculus]	94,60	2,79	1		1	1	1	ing: transporter activity	membrane: nucleus	development: transport	Pf00638: Pf08911		1,122	0,143	1			466	49,5	6,24
258679490	coiled-coil domain-containing protein 51 [Mus musculus]	0,00	2,71	1		1	1	1		mitochondrion: nucleus	transport			1,123	0,141	1			406	45,1	8,09
93102409	fatty acid synthase [Mus musculus]	150,85	4,27	1		11	11	11	in binding: RNA binding	mbane: mitochondrion	is: response to stimulus	Pf00106: Pf00107: Pf00		1,123	0,141	11		10,3	2504	272,3	6,58
111955152	phospholipase DDHD1 isoform 1 [Mus musculus]	78,21	5,49	3		4	4	4	livity: metal ion binding	cytoplasm	metabolic process	Pf00262		1,123	0,141	4			856	94,7	5,69
56682931	TAR DNA-binding protein 43 isoform 3 [Mus musculus]	84,03	11,53	5		3	3	5	in binding: RNA binding	nucleus	ion of biological process	Pf00076		1,123	0,141	4		28,4	295	33,3	7,06
7304925	breast cancer anti-estrogen resistance protein 3 [Mus musculus]	0,00	1,22	1		1	1	1	protein binding		is: response to stimulus	Pf00017: Pf00617		1,124	0,139	1			820	92,2	7,81
6678303	transcription factor A, mitochondrial precursor [Mus musculus]	200,65	33,33	1		10	10	24	in binding: RNA binding	ucleus: organelle lumen	ion of biological process	Pf00505		1,124	0,139	17		11,8	243	28,0	9,69
254588014	electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrion	143,98	10,23	1		6	6	6	livity: metal ion binding	ndrion: organelle lumen	is to stimulus: transport	Pf00126: Pf01		1,124	0,139	6		10,4	616	68,0	7,58
238637293	rap guanine nucleotide exchange factor 5 [Mus musculus]	0,00	1,72	1		1	1	2	protein binding	nucleus	is: response to stimulus	Pf00610: Pf00617: Pf00		1,124	0,139	1			814	93,7	6,16
9790225	calnexin B homologous protein 1 [Mus musculus]	37,07	17,95	3		3	3	3	ing: transporter activity	lgi: membrane: nucleus	is to stimulus: transport			1,124	0,139	3		0,7	195	22,4	5,10
12963731	mevalonate kinase [Mus musculus]	30,26	1,77	1		1	1	1	in binding: RNA binding	cytoplasm: cytosol	is: response to stimulus	Pf00288		1,125	0,138	1			395	41,9	6,68
309266232	PREDICTED: 60S ribosomal protein L27a-like [Mus musculus]	139,61	27,70	5		4	4	10				Pf00828		1,125	0,138	6		4,1	148	16,7	10,99
160333208	transmembrane protein 87A isoform 3 [Mus musculus]	41,52	3,41	3		2	2	2		membrane		Pf06814		1,125	0,138	2		14,0	558	63,6	6,87
75992927	long-chain-fatty-acid--CoA ligase 4 isoform 2 [Mus musculus]	263,68	16,72	5		11	12	14	livity: nucleotide binding	mbane: mitochondrion	is to stimulus: transport	Pf00501		1,125	0,138	13		8,4	670	74,3	8,00
254540168	78 kDa glucose-regulated protein precursor [Mus musculus]	4232,29	47,79	1		36	39	230	inding: protein binding	ucleus: organelle lumen	is: response to stimulus	Pf00012: Pf01968: Pf06		1,125	0,138	203		9,8	655	72,4	5,16
27369694	SH3 domain-binding glutamic acid-rich-like protein 2 [Mus musculus]	70,48	11,21	1		1	1	2	activity: protein binding	nucleus	ion of biological process	Pf00462: Pf04908		1,125	0,138	1			107	12,2	5,55
6678952	bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydro	98,86	8,00	2		3	3	3	ing: nucleotide binding	cellular: mitochondrion	metabolic process	Pf00763: Pf02882		1,125	0,138	3		1,9	350	37,8	8,88
21536228	putative RNA-binding protein Luc7-like 1 isoform 1 [Mus musculus]	109,29	5,54	5		2	2	3	in binding: RNA binding	nucleus	ion of biological process	Pf003194		1,125	0,138	3		2,9	325	38,4	10,01
30519915	vitamin K epoxide reductase complex subunit 1 precursor [Mus musculus]	119,02	8,07	1		1	1	6	catalytic activity	ic reticulum: membrane	is: response to stimulus	Pf07884		1,125	0,138	5		7,9	161	17,8	9,14
19527378	transmembrane protein 109 precursor [Mus musculus]	40,02	4,12	1		2	2	3	protein binding	ar: membrane	is: response to stimulus			1,125	0,138	3		5,8	243	26,3	9,89
145279206	phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing s	21,23	1,36	1		2	2	2	inding: protein binding	lgi: membrane: nucleus	is to stimulus: transport	Pf00168: Pf00454: Pf00		1,126	0,136	2		15,3	1686	190,6	8,02
359465605	calcium-transporting ATPase type 2C member 1 isoform 2 [Mus musculus]	377,52	18,08	3		16	16	22	livity: transporter activity	lasm: Golgi: membrane	is to stimulus: transport	Pf00122: Pf00689: Pf00		1,126	0,136	22		12,5	918	100,2	6,83
58037329	methylmalonyl-CoA epimerase, mitochondrial precursor [Mus musculus]	45,87	10,67	1		2	2	2	livity: metal ion binding	toplasm: mitochondrion	metabolic process	Pf00903: Pf12681		1,126	0,136	2		2,0	178	19,0	9,09
8393627	interferon regulatory factor 3 [Mus musculus]	0,00	2,86	1		1	1	1	inding: protein binding	plasm: cytosol: nucleus	is to stimulus: transport	Pf01401		1,126	0,136	1			419	46,8	5,43
6755965	voltage-dependent anion-selective channel protein 2 [Mus musculus]	392,32	30,51	1		9	9	19	ing: transporter activity	ucleus: organelle lumen	is to stimulus: transport	Pf01459		1,126	0,136	16		9,9	295	31,7	7,49
229608940	guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	172,20	10,59	2		5	5	5	gnal transducer activity	ar: membrane: vacuole	is: response to stimulus	Pf00400		1,126	0,136	2			374	37,4	6,00
41351529	GPI transamidase component PIG-S [Mus musculus]	0,00	5,95	1		2	2	2	catalytic activity	ic reticulum: membrane	metabolic process	Pf10510		1,126	0,136	2		16,0	555	61,7	6,93
12963555	omega-amidase NIT2 [Mus musculus]	189,52	28,26	1		6	6	7	catalytic activity	cellular: mitochondrion	metabolic process	Pf00795		1,126	0,136	7		19,2	276	30,5	6,90
227908823	bifunctional purine biosynthesizing protein PURH [Mus musculus]	212,98	22,47	1		10	10	11	activity: protein binding	cellular: mitochondrion	is: response to stimulus	Pf01808: Pf02142		1,127	0,134	10		6,5	592	64,2	6,76
313747468	ester hydrolase C11orf54 homolog [Mus musculus]	33,50	3,17	1		1	1	1	livity: metal ion binding	extracellular: nucleus	metabolic process	Pf08925		1,127	0,134	1			315	35,0	6,29
356640163	serine hydroxymethyltransferase, mitochondrial isoform 2 [Mus musculus]	118,74	10,38	2		5	5	7	activity: protein binding	ndrion: organelle lumen	ion of biological process	Pf00464		1,127	0,134	6		13,8	501	55,4	8,47
162329549	protein SCO2 homolog, mitochondrial [Mus musculus]	0,00	3,92	1		1	1	1	livity: metal ion binding	mitochondrion: nucleus	is to stimulus: transport	Pf00578: Pf02630		1,127	0,134	1			255	28,9	8,29
254281222	protein protease HTRA2, mitochondrial [Mus musculus]	99,72	5,46	1		2	2	2	activity: protein binding	mitochondrion: nucleus	is: response to stimulus	Pf00089: Pf00595: Pf10		1,128	0,132	2		29,1	458	49,3	9,60
13385942	citrate synthase, mitochondrial precursor [Mus musculus]	412,34	23,71	2		11	11	21	ic activity: RNA binding	ucleus: organelle lumen	metabolic process	Pf00285		1,128	0,132	21		3,3	464	51,7	8,57
18482377	acyl-coenzyme A thioesterase 12 [Mus musculus]	0,00	3,24	1		1	1	1	livity: nucleotide binding	cytoplasm: cytosol	metabolic process	Pf01852: Pf03061		1,128	0,132	1			556	61,7	7,18
157951680	copper-transporting ATPase 1 isoform 1 [Mus musculus]	21,34	0,40	2		1	1	1	ing: transporter activity	ome: Golgi: membrane	is to stimulus: transport	Pf00122: Pf00403: Pf00		1,128	0,132	1			1491	161,9	6,62
42415475	protein disulfide-isomerase precursor [Mus musculus]	1251,54	38,11	1		23	23	97	in binding: RNA binding	brane: organelle lumen	is: response to stimulus	Pf00085: Pf01216		1,128	0,132	86		13,2	509	57,0	4,88
29789289	enoyl-CoA hydratase, mitochondrial precursor [Mus musculus]	486,21	35,86	1		11	11	27	catalytic activity	ndrion: organelle lumen	metabolic process	Pf00378		1,128	0,132	24		8,3	290	31,5	8,48
124486915	HEAT repeat-containing protein 2 [Mus musculus]	91,71	4,45	1		4	4	4						1,128	0,132	4		8,8	853	93,8	6,15
47271358	F-box and WD-40 domain protein 14 [Mus musculus]	415,21	31,33	2		17	45	5	protein binding			Pf00646: Pf12937		1,128	0,132	3		4,7	466	54,2	7,58
13385054	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 3	53,29	10,58	1		1	1	1	catalytic activity	mbane: mitochondrion	ibolic process: transport	Pf08122		1,128	0,132	1			104	11,7	9,04
21313162	ras-related protein Rab-1b [Mus musculus]	352,10	49,25	2		10	22	22	nucleotide binding	mitochondrion: nucleus	is to stimulus: transport	Pf00025: Pf00071: Pf04		1,128	0,132	10		10,0	201	22,2	5,73
85701716	uncharacterized protein LOC105418 [Mus musculus]	231,04	20,23	1		8	8	19	protein binding	cytoplasm: nucleus	ion of biological process			1,129	0,131	19		9,7	351	41,5	7,20
11596855	transferrin receptor protein 1 [Mus musculus]	133,48	8,39	1		7	7	7	ing: transporter activity	mbane: mitochondrion	igical process: transport	Pf00225: Pf04253: Pf04		1,130	0,129	7		16,5	733	85,7	6,57
70909311	growth factor receptor-bound protein 10 isoform 1 [Mus musculus]	0,00	2,18	1		1	1	1	protein binding	cytoplasm: cytosol	is to stimulus: transport	Pf00017: Pf01649: Pf00		1,130	0,129	1			596	67,5	8,88
121674797	palmitoyl-protein thioesterase 1 precursor [Mus musculus]	48,77	4,90	1		1	1	1	catalytic activity	brane: nucleus: vacuole	is to stimulus: transport	Pf02089		1,130	0,129	1			306	34,5	8,00
165377271	dnal homolog subfamily B member 4 [Mus musculus]	138,13	16,32	1		3	4	6	protein binding	ol: membrane: nucleus	metabolic process	Pf00226: Pf01556		1,130	0,129	4		8,9	337	37,8	8,59
52426750	complement component receptor 1-like protein [Mus musculus]	0,00	2,27	1		1	1	1	ing: transporter activity	cell surface: membrane	in: response to stimulus	Pf00084		1,130	0,129	1			440	49,0	5,73
146219849	catein delta-1 isoform 3 [Mus musculus]	50,02	4,46	4		4	4	4	protein binding	ar: membrane: nucleus	is: response to stimulus	Pf00514		1,130	0,129	4		7,3	830	92,4	7,15
164518942	dolchyl-diphosphooligosaccharide--protein glycosyltransferase sub	70,38	26,55	1		3	3	4	catalytic activity	ic reticulum: membrane	is: response to stimulus	Pf02109		1,130	0,129	4		6,8	113	12,5	7,08
29789239	N-acetylglucosamine-6-sulfatase precursor [Mus musculus]	68,72	2,94	1		2	2	2	livity: metal ion binding	cytoplasm: vacuole	metabolic process	Pf00884: Pf01663		1,131	0,127	2		9,2	544	61,1	8,24
54607098	succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrion	318,16	21,23	1		13	13	21	livity: nucleotide binding	mbane: mitochondrion	ibolic process: transport	Pf00890: Pf02910		1,131	0,127	21		11,5	664	72,5	7,37
295293202	TSC22 domain family protein 1 isoform 1 [Mus musculus]	251,99	6,04	5		1	6	16	protein binding	ucleus: organelle lumen	al process: reproduction	Pf01166: Pf03153: Pf06		1,131	0,127	1			1077	109,7	5,83
20532338	nucleoporin SEH1 isoform b [Mus musculus]	42,01	3,08	2		1	1	1	protein binding	ne: membrane: nucleus	is to stimulus: transport	Pf00400		1,132	0,125	1			357	39,4	7,88
13384964	histone chaperone ASF1A [Mus musculus]	46,82	16,67	1		2	3	5	protein binding	ucleus: organelle lumen	is: response to stimulus	Pf04729		1,132	0,125	4		14,9	204	22,9	4,41
227116358	trans-2-enoyl-CoA reductase, mitochondrial precursor [Mus musculus]	250,62	15,82	1		5	5	10	inding: protein binding	mitochondrion: nucleus	metabolic process	Pf00107: Pf08240		1,132	0,125	10		7,1	373	40,3	9,07
31981310	B-cell receptor-associated protein 31 [Mus musculus]	181,26	15,10	1		5	5	10	protein binding	mbane: mitochondrion	is to stimulus: transport	Pf05529		1,132	0,125	10		6,8	245	27,9	8,70
162417986	tyrosyl-DNA phosphodiesterase 1 [Mus musculus]	0,00	1,64	1		1	1	1	ic activity: DNA binding	cytoplasm: nucleus	is: response to stimulus	Pf06087		1,132	0,125	1			609	68,5	7,64
46358062	thymidylate synthase [Mus musculus]	36,42	2,93	1		1	1	1	in binding: RNA binding	ucleus: organelle lumen	is: response to stimulus	Pf03003		1,132	0,125	1			307	34,9	6,46
58037205	BAG family molecular chaperone regulator 5 [Mus musculus]	0,00	1,79	1		1	1	1	protein binding	cytoplasm: nucleus	ion of biological process	Pf02179		1,132	0,125	1			447	50,9	6,05
15727969	heterogeneous nuclear ribonucleoprotein A3 isoform c [Mus musculus]	254,76	25,77	3		8	10	19	ing: transporter activity	y: spliceosomal complex	ibolic process: transport	Pf00076		1,133	0,124	15		8,4	357	37,1	8,31
149251053	PREDICTED: ATP synthase subunit O, mitochondrial-like [Mus musculus]	270,36	24,41	1		7	7	18	ing: transporter activity	mitochondrion: nucleus	ibolic process: transport	Pf00213		1,133	0,124	14		12,0	213	23,3	9,99
11																					

31981600	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	99,61	23,23	1	2	2	2	catalytic activity	mbane; mitochondrion	ibolic process; transport	PI05047	1,139	0,114	2	8,2	99	10,9	9,99	
84662736	60S ribosomal protein L6 [Mus musculus]	223,23	24,66	2	9	9	14	structural molecule activity	janelle lumen; ribosome	metabolic process	PI01159; PI03868	1,139	0,114	14	8,1	296	33,5	10,70	
295293090	chloride channel CLIC-like protein 1 isoform 2 precursor [Mus musculus]	104,21	4,45	2	2	2	2	transporter activity	lgi; membrane; nucleus	transport	PI05934	1,140	0,112	2	14,9	539	60,6	5,68	
110681714	rab proteins geranylgeranyltransferase component A 1 [Mus musculus]	54,09	1,81	1	1	1	1	activity: protein binding	cytoplasm; cytosol	ibolic process; transport	PI00996; PI12831	1,140	0,112	1		662	73,6	4,69	
124430549	YTH domain containing 1 [Mus musculus]	0,00	0,95	1	1	1	1	RNA binding	ucleus; organelle lumen	esis; metabolic process	PI04146	1,140	0,112	1		736	85,6	6,16	
110626031	KH domain-containing, RNA-binding, signal transduction-associated	112,47	7,45	3	3	3	5	in binding: RNA binding	im; membrane; nucleus	ie to stimulus; transport	PI00013	1,140	0,112	5	2,9	443	48,3	8,72	
342349351	putative hydroxypyruvate isomerase [Mus musculus]	96,42	12,27	1	3	3	3	catalytic activity			PI01261	1,140	0,112	3	5,5	277	30,4	6,43	
34610211	soritin isoform 2 precursor [Mus musculus]	24,09	0,85	2	1	1	1	gnal transducer activity	brane; nucleus; vacuole	ie to stimulus; transport		1,140	0,112	1		925	91,1	5,88	
54312056	transportin-3 [Mus musculus]	49,62	1,08	1	1	1	1	cytoplasm; nucleus		transport	PI08389	1,140	0,112	1		823	104,1	5,57	
84872191	very-long-chain (3R)-3-hydroxyacyl-[acyl-carrier protein] dehydratase	76,89	7,87	1	3	3	3	catalytic activity	ic reticulum; membrane	metabolic process	PI04387	1,140	0,112	3		4,0	254	28,4	9,58
162417977	isocitrate dehydrogenase [NADP] cytoplasmic [Mus musculus]	601,75	37,44	1	17	17	31	binding: protein binding	acellular; mitochondrion	in; response to stimulus	PI00180	1,141	0,111	31	10,0	414	46,6	7,17	
158749640	profilin regulatory element-binding protein [Mus musculus]	100,03	11,27	1	4	4	4	binding: protein binding	im; membrane; nucleus	igical process; transport	PI00400	1,141	0,111	4		8,7	417	45,4	8,76
13385726	cytochrome b-c1 complex subunit 7 [Mus musculus]	119,99	50,45	1	7	7	13	ing: transporter activity	mbane; mitochondrion	ibolic process; transport	PI02271	1,142	0,109	11		4,1	111	13,6	9,11
356582323	next to BRCA1 gene 1 protein isoform 3 [Mus musculus]	21,77	1,21	3	1	1	1	binding: protein binding	sol; endosome; vacuole	ss; response to stimulus	PI00564; PI00569	1,142	0,109	1		906	100,8	4,98	
34328286	succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	103,04	18,44	3	6	6	11	livity: metal ion binding	mbane; mitochondrion	ibolic process; transport		1,142	0,109	11	10,1	282	31,8	8,68	
6679443	protein phosphatase 1A [Mus musculus]	84,79	6,28	1	2	2	2	gnal transducer activity	sol; membrane; nucleus	ie to stimulus; transport	PI00481; PI07830	1,142	0,109	2	15,7	382	42,4	5,36	
31543902	thioredoxin-like protein 1 [Mus musculus]	142,92	23,18	1	4	4	5	catalytic activity	n; nucleus; proteasome	igical process; transport	PI00085; PI06201	1,142	0,109	5	7,1	289	32,2	4,96	
22095015	ceramide synthase 2 [Mus musculus]	24,54	2,37	1	1	1	1	ic activity: DNA binding	im; membrane; nucleus	ion of biological process	PI03798	1,143	0,108	1		380	45,0	8,75	
21699068	presequence protease, mitochondrial precursor [Mus musculus]	784,93	33,01	1	31	31	57	livity: metal ion binding	ucleus; organelle lumen	metabolic process	PI05193; PI08367	1,143	0,108	56	12,1	1036	117,3	7,20	
33469043	nicotin precursor [Mus musculus]	82,15	9,06	1	5	5	6	catalytic activity	im; membrane; nucleus	ss; response to stimulus	PI04389; PI05450	1,143	0,108	6	5,8	563	62,9	6,49	
13385268	cytochrome b5 [Mus musculus]	257,84	32,09	1	4	4	12	binding: protein binding	mbane; mitochondrion	ie to stimulus; transport	PI00173	1,144	0,106	12	9,9	134	15,2	5,07	
21312210	enoyl-Coenzyme A delta isomerase 3 [Mus musculus]	35,01	2,84	3	1	1	1	catalytic activity		metabolic process	PI00378; PI00887	1,144	0,106	1		317	35,2	9,16	
329755243	getoslin isoform 2 [Mus musculus]	77,58	2,60	2	2	2	2	binding: protein binding	im; cytosol; extracellular	ie to stimulus; transport	PI00626	1,144	0,106	2	5,8	731	80,7	5,76	
21312752	ribosome-recycling factor, mitochondrial precursor [Mus musculus]	89,94	17,18	1	4	4	4		toplasm; mitochondrion	esis; metabolic process	PI01765	1,145	0,105	4	12,6	262	29,0	9,85	
194440734	GTPase HRas isoform 1 [Mus musculus]	64,40	18,52	2	1	3	3	ing: transporter activity	lasm; Golgi; membrane	ie to stimulus; transport	PI00009; PI00071; PI02000	1,145	0,105	1		189	21,3	5,31	
45433590	ADP-ribosylation factor-like protein 6-interacting protein 1 [Mus musculus]	109,95	8,87	1	2	2	4	protein binding	ic reticulum; membrane	nd biogenesis; transport	PI02453	1,145	0,105	4	5,6	203	23,4	9,32	
299890784	dnal homolog subfamily B member 11 precursor [Mus musculus]	292,51	25,70	1	8	8	12	protein binding	ucleus; organelle lumen	metabolic process	PI00226; PI01556	1,145	0,105	12	12,9	358	40,5	6,32	
6753110	arginase-2, mitochondrial precursor [Mus musculus]	201,69	22,88	1	8	8	13	binding: protein binding	toplasm; mitochondrion	igical process; transport	PI00491	1,145	0,105	13	12,7	354	38,9	6,58	
226958657	60S ribosomal protein L19 isoform 2 [Mus musculus]	153,29	23,20	3	5	5	11	structural molecule activity	janelle lumen; ribosome	metabolic process	PI01280	1,145	0,105	11	6,0	194	23,2	11,47	
285026450	protein ERGIC-53 precursor [Mus musculus]	126,46	11,80	1	6	6	10	binding: protein binding	llular; Golgi; membrane	igical process; transport	PI03388	1,145	0,105	10	8,0	517	57,8	6,34	
86604728	akirin-2 [Mus musculus]	105,19	37,31	2	7	7	9		nucleus	ss; response to stimulus		1,145	0,105	9	12,3	201	22,1	8,87	
229094709	transcription elongation factor A protein 1 isoform 3 [Mus musculus]	190,43	30,00	4	8	8	12	binding: protein binding	ucleus; organelle lumen	ion of biological process	PI01096; PI07500; PI08000	1,145	0,105	12	7,6	300	33,8	8,38	
27369676	O-phosphoryl-tRNA(Sec) selenium transferase [Mus musculus]	0,00	1,39	1	1	1	1	in binding: RNA binding	cytoplasm; nucleus	ion of biological process	PI05889	1,146	0,103	1		504	55,3	8,06	
21312654	actin-related protein 2/3 complex subunit 5-like protein [Mus musculus]	67,22	13,07	1	2	2	2	protein binding	toskeleton; extracellular	ion of biological process	PI04699	1,146	0,103	2	3,0	153	17,0	6,80	
238624141	protein phosphatase 2, regulatory subunit B*, alpha isoform 1 [Mus musculus]	0,00	0,87	1	1	1	1	metal ion binding		ss; response to stimulus		1,146	0,103	1		1150	130,2	5,20	
6753138	sodium/potassium-transporting ATPase subunit beta-1 [Mus musculus]	76,72	7,89	1	2	2	3	ing: transporter activity	xtracellular; membrane	ie to stimulus; transport	PI00287	1,146	0,103	2	3,7	304	35,2	8,65	
254910995	alpha-N-acetylglucosaminidase precursor [Mus musculus]	32,18	1,08	1	1	1	1	catalytic activity	extracellular	ss; response to stimulus	PI05089; PI12971; PI12980	1,146	0,103	1		739	82,5	6,61	
225735655	sulfated glycoprotein 1 isoform 1 precursor [Mus musculus]	425,08	24,59	6	13	13	19		mitochondrion; vacuole	in; response to stimulus	PI02199; PI03489; PI05000	1,146	0,103	18	12,2	545	59,9	5,19	
115511052	unconventional myosin-Va [Mus musculus]	73,77	2,27	1	3	4	5	in binding: RNA binding	ucleus; organelle lumen	ie to stimulus; transport	PI00063; PI00261; PI00266	1,147	0,102	3	2,9	1853	215,4	8,63	
157907999	histone-binding protein RBBP7 [Mus musculus]	403,69	22,59	1	4	9	28	in binding: RNA binding	ucleus; organelle lumen	ss; response to stimulus	PI00400; PI12265	1,147	0,102	9	5,9	425	47,8	5,05	
31543108	lysosome-associated membrane glycoprotein 2 isoform 2 precursor [Mus musculus]	0,00	1,93	2	1	1	1	protein binding	lar; membrane; vacuole	ion of biological process	PI01299	1,147	0,102	1		415	45,6	7,84	
33468929	vesicle-associated membrane protein 7 [Mus musculus]	306,55	30,45	1	8	8	12	protein binding	lgi; membrane; vacuole	ie to stimulus; transport	PI00957	1,148	0,101	12	5,3	220	25,0	8,60	
21312242	zinc finger protein 655 isoform a [Mus musculus]	77,01	10,54	1	5	5	5	ing: transporter activity	ucleus; organelle lumen	igical process; transport	PI08389; PI11612	1,148	0,101	5	0,9	541	63,3	6,81	
6680618	medium-chain specific acyl-CoA dehydrogenase, mitochondrial precursor	66,93	9,26	1	3	3	5	binding: protein binding	ucleus; organelle lumen	ss; response to stimulus	PI00441; PI02770; PI02780	1,148	0,101	2	1,3	421	46,5	8,37	
21704122	pyruvate dehydrogenase kinase, isozyme 3 [Mus musculus]	45,67	5,54	1	2	2	3	livity: nucleotide binding	ndrion; organelle lumen	ss; response to stimulus	PI01436	1,149	0,099	3	16,2	415	47,9	8,82	
117606366	UMP-CMP kinase 2, mitochondrial precursor [Mus musculus]	53,95	5,59	1	2	2	2	livity: nucleotide binding	mitochondrion; nucleus	ss; response to stimulus	PI02223	1,149	0,099	2	3,0	447	50,0	7,27	
22165388	protein FAM151A [Mus musculus]	149,89	8,39	1	5	5	7		xtracellular; membrane		PI10223	1,149	0,099	7	4,3	608	66,6	6,34	
7949005	ATP synthase-coupling factor 6, mitochondrial precursor [Mus musculus]	130,43	43,52	1	5	5	9	livity: transporter activity	mbane; mitochondrion	ibolic process; transport	PI05511	1,149	0,099	9	13,5	108	12,5	9,36	
6755448	vesicle-trafficking protein SEC22b precursor [Mus musculus]	323,40	32,09	1	6	6	10	protein binding	ulum; Golgi; membrane	transport	PI00957	1,149	0,099	10	7,0	215	24,7	8,51	
13386062	apolipoprotein O-like precursor [Mus musculus]	73,76	27,55	1	7	7	7		mbane; mitochondrion		PI09769	1,150	0,098	7	7,7	265	29,2	9,31	
6678177	syntxin-4 [Mus musculus]	40,73	3,69	1	1	1	1	ing: transporter activity	llular; Golgi; membrane	nd biogenesis; transport	PI00804; PI01496; PI05000	1,150	0,098	1		298	34,1	6,14	
158631246	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11	69,67	6,62	1	1	1	1		mbane; mitochondrion	ibolic process; transport	PI10183	1,150	0,098	1		151	17,4	5,22	
406855425	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	75,56	13,68	1	2	2	3	livity: metal ion binding	mbane; mitochondrion	ie to stimulus; transport	PI00037; PI12837; PI12838	1,150	0,098	3	18,8	212	24,0	6,21	
117606385	protein disulfide-isomerase TXM3 precursor [Mus musculus]	56,00	1,54	1	1	1	1	livity: metal ion binding	ic reticulum; membrane	ion of biological process	PI00085; PI01216	1,151	0,096	1		456	51,8	5,16	
7106301	microtubule-associated protein RP/EB family member 1 [Mus musculus]	223,49	23,13	1	6	8	11	in binding: RNA binding	leton; Golgi; membrane	ion of biological process	PI00307; PI03271	1,151	0,096	8	9,8	268	30,0	5,22	
21312153	glutaredoxin-related protein 5, mitochondrial [Mus musculus]	162,70	25,66	3	3	3	7	livity: metal ion binding	mitochondrion; nucleus	ion of biological process	PI00462	1,151	0,096	6	2,9	152	16,3	6,55	
114326522	complement decay-accelerating factor, GPI-anchored precursor [Mus musculus]	183,11	13,08	2	5	5	6	ctivity: receptor activity	xtracellular; membrane	ss; response to stimulus	PI00084; PI08082	1,151	0,096	6	4,7	390	42,6	8,40	
126090850	testis expressed gene 264 [Mus musculus]	73,90	6,47	1	2	2	2					1,151	0,096	2	7,9	309	33,6	5,40	
158937298	elongator complex protein 1 [Mus musculus]	39,73	0,98	1	1	1	1	livity: nucleotide binding	ucleus; organelle lumen	ss; response to stimulus	PI04762	1,152	0,095	1		1333	149,5	6,00	
256220113	citrate lyase subunit beta-like protein, mitochondrial precursor [Mus musculus]	45,74	5,62	1	2	2	2	livity: metal ion binding	toplasm; mitochondrion	metabolic process	PI03328	1,152	0,095	2	12,6	338	37,5	8,54	
7106257	proboscoid phospholipid-transporting ATPase IA isoform b [Mus musculus]	26,64	1,31	2	1	1	1	ing: transporter activity	ic reticulum; membrane	ibolic process; transport	PI00122	1,152	0,095	1		1149	129,7	7,27	
6678091	neuroserpin precursor [Mus musculus]	97,85	7,56	1	3	3	3	zyme regulator activity	ic reticulum; membrane	ion of biological process	PI00079	1,153	0,094	3		410	46,3	4,72	
501355119	surfeit locus protein 1 isoform 2 [Mus musculus]	32,36	2,72	2	1	1	1	livity: transporter activity	mbane; mitochondrion	ibolic process; transport		1,153	0,094	1	6,0	294	33,4	9,54	
113866024	ras-related protein Rab-5c [Mus musculus]	137,77	15,74	2	1	3	4	binding: protein binding	brane; nucleus; vacuole	ie to stimulus; transport	PI00025; PI00071; PI04000	1,154	0,092	1		216	23,4	8,41	
83921570	ectonucleoside triphosphate diphosphohydrolase 6 [Mus musculus]	97,60	5,27	1	2	2	2	catalytic activity	llular; Golgi; membrane	ss; response to stimulus	PI01150	1,154	0,092	2	9,2	455	49,8	8,62	
226442837	HU-1 augmin-like complex subunit 5 [Mus musculus]	0,00	2,58	1	1	1	1		cytoplasm; cytoskeleton	ization and biogenesis		1,154	0,092	1		619	69,5	8,43	
148277043	chitinobiosylidiphosphatidyl-beta-mannosyltransferase [Mus musculus]	53,41	5,39	1	2	2	4	catalytic activity	ic reticulum; membrane	metabolic process	PI00534	1,155	0,091	3	5,8	482	54,4	8,37	
124517663	annexin A1 [Mus musculus]	155,15	13,29	2	4	5</													

13195626	glutathione peroxidase 7 precursor [Mus musculus]	0,00	3,76	1		1	1	1	activity: catalytic activity	extracellular	ss: response to stimulus	PI00255	1,159	0,086	1		186	21,0	8,27
12331398	secretory carrier-associated membrane protein 2 [Mus musculus]	65,97	3,65	1		1	1	1	ligi: membrane	nucleus	transport	PI04129	1,160	0,085	1		319	36,4	6,32
34328471	ras-related protein Ral-A precursor [Mus musculus]	125,02	23,79	2		4	4	4	binding: protein binding	extracellular: membrane	ie to stimulus; transport	PI00025: PI00071: PI08	1,160	0,085	4	9,1	206	23,5	7,11
158508460	protein ELYS [Mus musculus]	0,00	0,58	1		1	1	1	DNA binding	ucleus: organelle lumen	igical process: transport	PI00344: PI10559	1,160	0,085	1		2243	247,5	6,55
8394252	protein transport protein Sec61 subunit alpha isoform 1 [Mus mus]	76,12	5,88	2		4	4	5	transporter activity	ic reticulum: membrane	ie to stimulus; transport	PI00344: PI10559	1,160	0,085	5	9,1	476	52,2	8,06
34328278	vesicular integral-membrane protein VIP36 precursor [Mus muscu]	141,28	20,11	1		6	6	12	metal ion binding	llular: Golgi: membrane	transport	PI03388	1,161	0,083	12	17,5	358	40,4	6,95
31982856	dihydropyridyl dehydrogenase, mitochondrial precursor [Mus muscu]	536,25	24,56	1	14	14	14	24	ility: nucleotide binding	rganelle lumen: vacuole	al process: reproduction	PI00070: PI00890: PI01	1,161	0,083	24	8,0	509	54,2	7,90
165972309	succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial pre	58,44	11,32	1		4	4	4	binding: protein binding	ndrion: organelle lumen	metabolic process	PI00549: PI01071: PI08	1,161	0,083	4	4,5	433	46,8	7,02
31981945	60S ribosomal protein L13a [Mus musculus]	214,08	26,11	2		6	6	11	ctural molecule activity	ular: nucleus: ribosome	ss: response to stimulus	PI00572	1,161	0,083	9	5,5	203	23,4	11,02
13386100	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5	103,51	28,45	1		4	4	8	catalytic activity	mbrane: mitochondrion	ibolic process: transport	PI04716	1,161	0,083	5	4,6	116	13,4	8,10
37537562	protein FAM177A1 [Mus musculus]	66,61	10,63	2		2	2	2	catalytic activity				1,161	0,083	2	6,9	207	23,6	4,59
131412198	kinesin light chain 1 isoform 1A [Mus musculus]	42,54	3,32	3		1	2	2	activity: protein binding	ion: cytosol: membrane	ibolic process: transport	PI08317: PI09311: PI12	1,163	0,081	1		542	61,6	5,76
170763496	pericentriolar material 1 protein [Mus musculus]	36,10	0,74	1		2	2	2	protein binding	on: membrane	nucleus: igical process: transport		1,163	0,081	2	5,8	2025	228,7	5,01
74315955	uncharacterized protein LOC112419 [Mus musculus]	273,16	33,48	4	16	16	16	21	in binding: RNA binding	cytoplasm: extracellular	ie to stimulus; transport		1,163	0,081	21	17,3	466	54,0	6,87
31981515	60S ribosomal protein L7 [Mus musculus]	239,52	40,00	2	14	14	14	20	ctural molecule activity	osol: nucleus: ribosome		PI00327: PI08079	1,163	0,081	19	7,5	270	31,4	10,89
258613904	protein prenyltransferase alpha subunit repeat containing 1 [Mus r	0,00	4,48	1		1	1	1	catalytic activity		metabolic process	PI01239	1,164	0,080	1		424	48,3	6,98
261823938	tRNA methyltransferase 112 homolog [Mus musculus]	36,52	16,00	1		2	2	3	catalytic activity		metabolic process	PI03966	1,164	0,080	3	0,2	125	14,1	5,27
6678487	ubiquitin-conjugating enzyme E2 H isoform 1 [Mus musculus]	68,25	22,40	3		4	4	4	ility: nucleotide binding		metabolic process	PI00179	1,164	0,080	4	4,9	183	20,6	4,67
83699424	60S ribosomal protein L18 [Mus musculus]	223,51	33,51	2		6	6	11	ctural molecule activity	anelle lumen: ribosome	metabolic process	PI00828	1,164	0,080	7	14,2	188	21,6	11,78
6753284	caspase-3 [Mus musculus]	31,41	2,53	1		1	1	1	activity: protein binding	mitochondrion: nucleus	ss: response to stimulus	PI00656	1,164	0,080	1		277	31,5	6,92
87116677	transmembrane and coiled-coil domain-containing protein 1 precu	24,01	9,57	1		2	2	2	ulum: Golgi: membrane			PI01956	1,164	0,080	2	10,1	188	21,2	9,74
148747424	ADP/ATP translocase 1 [Mus musculus]	197,92	35,23	1		6	12	18	ing: transporter activity	mitochondrion: nucleus	igical process: transport	PI00153	1,164	0,080	8	25,4	298	32,9	9,72
237858757	small VCP/p97-interacting protein [Mus musculus]	62,66	14,29	1		1	1	1	llular: Golgi: membrane				1,165	0,079	1		77	8,4	8,91
29789148	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9	0,00	5,03	1		1	1	1	mbrane: mitochondrion	ibolic process: transport		PI05347	1,165	0,079	1		179	22,0	7,80
149257848	PREDICTED: non-histone chromosomal protein HMG-14-like [Mus	49,88	18,75	1		2	2	3	binding: protein binding	me: cytoplasm: nucleus	ss: response to stimulus		1,165	0,079	3		96	10,1	9,76
33859536	probable ATP-dependent RNA helicase DDX4 isoform 2 [Mus musc	255,57	10,97	2		4	6	9	inding: protein binding	cytoplasm: nucleus	al process: reproduction	PI00270: PI00271	1,165	0,079	4	8,5	702	76,4	6,09
45504394	integrin beta-1 precursor [Mus musculus]	265,69	16,67	1		12	12	13	inding: receptor activity	extracellular: membrane	ie to stimulus; transport	PI00362: PI07965: PI08	1,166	0,077	13	13,9	798	88,2	5,94
219521935	histocompatibility 2, O region locus 4 precursor [Mus musculus]	0,00	13,84	30		4	4	4	in binding: RNA binding	extracellular: membrane	ss: response to stimulus	PI00129: PI07654: PI08	1,166	0,077	4	7,2	354	39,6	6,62
31560462	syntaxin-7 [Mus musculus]	36,08	4,21	1		1	1	1	protein binding	lar: membrane: vacuole	nd biogenesis: transport	PI07539	1,166	0,077	1		261	29,7	5,58
13507622	phosphatidylinositol phosphatase SAC1 [Mus musculus]	148,68	11,07	1		7	7	10	gnal transducer activity	ulum: Golgi: membrane	metabolic process	PI02383	1,166	0,077	9	3,2	587	66,9	7,30
19527228	CDGSH iron-sulfur domain-containing protein 1 [Mus musculus]	495,81	49,07	1		6	6	20	metal ion binding	mbrane: mitochondrion	ion of biological process	PI09360	1,167	0,076	19	9,4	108	12,1	9,06
85861260	ER membrane protein complex subunit 1 isoform 2 precursor [Mus	42,59	1,01	2		1	1	1	ic reticulum: membrane			PI07774	1,167	0,076	1		994	111,2	7,43
172072617	peptidyl-prolyl cis-trans isomerase FKBP9 precursor [Mus muscu]	51,89	1,23	1		1	1	1	livity: metal ion binding	brane: organelle lumen	metabolic process	PI00254	1,167	0,076	1		570	63,0	5,21
6679110	nucleoplasmin-3 [Mus musculus]	0,00	8,57	1		1	1	1	in binding: RNA binding	ucleus: organelle lumen	metabolic process	PI03066	1,168	0,075	1		175	19,0	4,82
254039729	mitochondrial Rho GTPase 3 [Mus musculus]	180,75	13,69	3		8	9	12	ing: nucleotide binding	mbrane: mitochondrion	ie to stimulus; transport	PI00071: PI08355: PI08	1,168	0,075	9	10,9	672	77,0	6,96
148747461	acetyl-CoA acetyltransferase, cytosolic [Mus musculus]	96,44	15,62	1		1	5	6	catalytic activity	ucleus: organelle lumen	metabolic process	PI00108: PI00109: PI02	1,168	0,075	2	17,5	397	41,3	7,50
6679066	protein NipSnap homolog 1 [Mus musculus]	200,72	22,18	1		7	7	10	protein binding	mbrane: mitochondrion		PI07978	1,169	0,074	10	8,2	284	33,3	9,44
31542563	dnal homolog subfamily C member 3 precursor [Mus musculus]	198,10	26,19	14	15	15	15	21	activity: protein binding	brane: organelle lumen	ss: response to stimulus	PI00226: PI00515	1,169	0,074	17	8,3	504	57,4	5,85
124486667	vacuolar ATPase assembly integral membrane protein VMA21 [Mu	88,90	11,88	1		1	1	3	im: membrane: vacuole	nization and biogenesis		PI09446	1,169	0,074	3	11,2	101	11,4	7,24
171543864	NGFI-A-binding protein 2 isoform 2 [Mus musculus]	0,00	2,39	2		1	1	1	protein binding	nucleus	ion of biological process	PI04904: PI04905	1,170	0,073	1		461	49,7	6,28
156105683	zinc transporter ZIP6 precursor [Mus musculus]	49,01	1,31	1		1	1	1	transporter activity	ic reticulum: membrane	homeostasis: transport	PI02535	1,170	0,073	1		765	86,3	6,84
254281189	tetraspanin-3 [Mus musculus]	0,00	2,77	1		1	1	1	extracellular: membrane			PI00335	1,170	0,073	1		253	28,0	5,86
21703986	phosphatidylinositol 4-kinase type 2-alpha [Mus musculus]	64,12	12,53	1		6	6	7	inding: protein binding	itochondrion: vacuole	ie to stimulus; transport	PI00454	1,171	0,072	7	9,6	479	54,2	8,05
213512915	ubiquinol-cytochrome c reductase complex chaperone CBP3 homo	0,00	2,37	1		1	1	1	toplasm: mitochondrion			PI03981	1,171	0,072	1		295	34,3	8,48
124487057	endoplasmic reticulum metallopeptidase 1 [Mus musculus]	91,03	3,67	1		3	3	3	livity: metal ion binding	ic reticulum: membrane	c process: reproduction	PI04389	1,171	0,072	3	4,5	898	100,1	7,49
229608995	lamin-B receptor [Mus musculus]	141,61	14,22	1		10	10	10	in binding: RNA binding	ucleus: organelle lumen	metabolic process	PI01222: PI06966: PI09	1,171	0,072	10	8,5	626	71,4	9,36
158635979	sarcoplasmic/endoplasmic reticulum calcium ATPase 2 isoform A [749,76	23,56	6		25	25	37	ing: transporter activity	ic reticulum: membrane	ie to stimulus; transport	PI00122: PI00689: PI00	1,171	0,072	34	10,4	1044	114,8	5,34
13385270	histidine triad nucleotide-binding protein 3 [Mus musculus]	51,58	9,09	1		1	1	1	livity: nucleotide binding	ucleus: organelle lumen	metabolic process	PI01230: PI11969	1,171	0,072	1		165	18,8	6,33
71061462	ectonucleoside triphosphate diphosphohydrolase 5 isoform b precu	0,00	2,34	1		1	1	1	catalytic activity	extracellular: membrane	ss: response to stimulus	PI01150	1,171	0,072	1		427	47,1	5,29
27552760	mitochondrial import receptor subunit TOM70 [Mus musculus]	157,22	11,78	3		9	9	13	protein binding	mbrane: mitochondrion		PI00515	1,171	0,072	13	6,9	611	67,5	7,53
160837788	actin-related protein 2/3 complex subunit 1B [Mus musculus]	132,26	8,60	2		3	3	4	protein binding	oskeleton: extracellular	ion of biological process	PI00400	1,172	0,071	4	5,8	372	41,0	8,35
6679587	ras-related protein Rab-1A [Mus musculus]	402,94	42,44	2		5	10	22	inding: protein binding	ligi: membrane: nucleus	ie to stimulus; transport	PI00009: PI00025: PI00	1,172	0,071	12	6,5	205	22,7	6,21
83921612	thioredoxin domain-containing protein 5 precursor [Mus musculus]	398,57	32,61	1		11	11	25	catalytic activity	ellular: organelle lumen	ion of biological process	PI00085	1,172	0,071	24	10,0	417	46,4	5,78
226958354	protein phosphatase 1B isoform 1 [Mus musculus]	90,60	12,58	7		5	6	6	livity: metal ion binding	sm: cytosol: membrane	ie to stimulus; transport	PI00481: PI07830	1,172	0,071	5	4,9	477	52,1	5,11
282398108	dolchyl-diphosphooligosaccharide--protein glycosyltransferase sub	324,90	19,57	1		13	13	20	ic activity: RNA binding	ic reticulum: membrane	metabolic process	PI04597	1,172	0,071	20	10,2	608	68,5	6,46
371121280	SUN domain-containing protein 1 isoform 5 [Mus musculus]	39,52	1,19	5		1	1	1	inding: protein binding	ucleus: organelle lumen	nization and biogenesis	PI07738: PI09387	1,172	0,071	1		757	84,6	6,57
161016826	receptor expression-enhancing protein 5 [Mus musculus]	89,64	15,87	1		4	4	6	protein binding	mbrane		PI03134	1,173	0,070	6	4,7	189	21,4	8,12
225543124	rho guanine nucleotide exchange factor 39 [Mus musculus]	38,63	2,62	1		1	1	1	protein binding	mbrane	ss: response to stimulus	PI00169: PI00621	1,173	0,070	1		344	39,1	9,82
21313618	coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mito	380,36	37,44	1		12	12	23	ctural molecule activity	mitochondrion: nucleus	ion of biological process	PI05300	1,173	0,070	18	13,2	227	26,3	8,37
299473805	alpha-beta hydrolase domain-containing protein 11 isoform 2 [Mu	62,06	11,45	2		2	2	3	catalytic activity	toplasm: mitochondrion	metabolic process	PI00561: PI12695: PI12	1,173	0,070	3	3,7	227	24,9	8,24
145279202	UDP-galactose translocator isoform 2 [Mus musculus]	34,45	2,82	2		1	1	1	transporter activity	ligi: membrane: nucleus	transport	PI04142	1,174	0,069	1		390	40,7	9,86
407261283	PREDICTED: NADH dehydrogenase [ubiquinone] 1 subunit C2-like	59,30	24,74	3		3	3	3				PI06374	1,174	0,069	3	4,6	97	11,4	7,50
30520239	neutral cholesterol ester hydrolase 1 [Mus musculus]	145,82	12,75	1		5	5	14	catalytic activity	ic reticulum: membrane	ss: response to stimulus	PI00135: PI07859	1,174	0,069	8	6,2	408	45,7	7,05
46559391	polycomb complex protein BMI-1 [Mus musculus]	22,17	3,40	1		1	1	2	inding: protein binding	ucleus: organelle lumen	ss: response to stimulus	PI00097	1,174	0,069	1		324	36,7	8,65
29243960	F-box and WD-40 domain protein 13 [Mus musculus]	158,77	13,95	1		2	7	12	protein binding			PI00646: PI12937	1,175	0,068	2	14,3	466	53,9	9,03
20149724	disacylglycerol kinase gamma [Mus musculus]	0,00	2,54	1		1	1	1	ing: nucleotide binding	cytoplasm: membrane	ss: response to stimulus	PI00130: PI00609: PI00	1,175	0,068	1		788	88,5	6,76
21222469	lanosterol synthase [Mus musculus]	0,00	1,77	1		1</													

21361250	renin receptor precursor [Mus musculus]	51.04	4.00	1		2	2	2	inding: receptor activity	xtracellular: membrane	is: response to stimulus	Pf07850	1,179	0.064	2	1,9	350	39.1	5.54
31560168	ATPase family AAA domain-containing protein 1 [Mus musculus]	181.96	18.01	1		5	5	8	n binding: RNA binding	mbrane: mitochondrion	ie to stimulus: transport	Pf00004: Pf00910: Pf01	1,180	0.063	8	7.0	361	40.7	6.90
224994271	FCH domain only protein 2 [Mus musculus]	0.00	0.87	1		1	1	1	protein binding	cytoplasm: membrane	nd biogenesis: transport	Pf00611: Pf02463: Pf10	1,181	0.062	1		809	88.7	6.89
58037485	calcium channel flower homolog isoform 1 [Mus musculus]	21.59	5.26	1		1	1	1	transporter activity	cytoplasm: membrane	immunification: transport	Pf10233	1,182	0.061	1		171	18.3	5.44
41054952	ribonucleoside-diphosphate reductase subunit M2 B [Mus musculus]	73.81	7.69	1		2	3	4	livity: metal ion binding	mitochondrion: nucleus	is: response to stimulus	Pf00268	1,183	0.060	3	7.1	351	40.8	5.01
12963591	stomatin-like protein 2, mitochondrial [Mus musculus]	356.48	21.81	1		7	7	11		mitochondrion: nucleus	ie to stimulus: transport	Pf01145	1,183	0.060	11		479	35.3	8.87
226443091	heterogeneous nuclear ribonucleoprotein A0 [Mus musculus]	123.11	12.13	1		2	3	6	n binding: RNA binding	nucleus	is: response to stimulus	Pf00076	1,183	0.060	4	11.0	305	30.5	9.31
77736537	mitogen-activated protein kinase kinase kinase 5 [Mus musculus]	87.90	2.36	1		2	2	2	livity: nucleotide binding	cytoplasm: membrane	is: response to stimulus	Pf00069: Pf00780: Pf07	1,183	0.060	2	4.5	847	95.0	7.83
22122607	actin filament-associated protein 1-like 2 isoform 3 [Mus musculus]	29.81	1.43	3		1	1	1	activity: protein binding	m: membrane	is: response to stimulus	Pf00169	1,184	0.059	1		769	85.7	5.58
21313504	DNA replication complex GINS protein PSF3 [Mus musculus]	0.00	6.48	1		1	1	1		nucleus	metabolic process	Pf05916	1,184	0.059	1		216	24.6	5.64
31980798	nuclear RNA export factor 1 isoform 1 [Mus musculus]	0.00	1.13	1		1	1	1	ing: transporter activity	ucleus: organelle lumen	ibolic process: transport	Pf02136: Pf03943: Pf09	1,184	0.059	1		618	70.3	8.73
19923056	SNARE-associated protein Snapin [Mus musculus]	0.00	7.35	1		1	1	1	protein binding	ucleus: organelle lumen	gical process: transport		1,184	0.059	1		136	14.9	9.31
238637279	4F2 cell-surface antigen heavy chain isoform b [Mus musculus]	216.80	17.49	2		8	8	12	ing: transporter activity	ar: membrane	ie to stimulus: transport	Pf00128	1,185	0.058	12	18.3	526	58.3	5.91
149251501	PREDICTED: rRNA 2'-O-methyltransferase fibrillar-like isoform 1	71.75	13.76	2		4	4	4	ic activity: RNA binding	ucleus: organelle lumen	esis: metabolic process	Pf01135: Pf01269	1,186	0.057	4	3.9	327	34.3	10.24
251823850	coiled-coil domain-containing protein 90B, mitochondrial isoform 2	71.05	7.66	2		2	2	2		mbrane: mitochondrion		Pf07798	1,186	0.057	2	1.1	222	25.6	9.25
6678459	trans-Golgi network integral membrane protein 1 precursor [Mus musculus]	58.87	2.55	1		1	1	1		lgi: membrane: nucleus			1,186	0.057	1		353	37.8	5.34
34996495	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 [Mus musculus]	72.26	6.34	1		5	5	7	atalytic activity	brane: nucleus: vacuole	is: response to stimulus	Pf05817	1,187	0.056	6	7.3	631	69.0	5.81
6755847	target of Myb protein 1 isoform 1 [Mus musculus]	0.00	3.46	2		1	1	2	protein binding	xtracellular: membrane	transport	Pf00790: Pf03127	1,187	0.056	1		492	54.3	4.94
58037395	secretory carrier-associated membrane protein 1 [Mus musculus]	121.68	14.20	1		4	4	5	protein binding	ome: Golgi: membrane	transport	Pf01414	1,188	0.055	5	4.1	338	38.0	7.71
31543608	reticulon-4-interacting protein 1, mitochondrial precursor [Mus musculus]	44.71	3.54	1		1	1	1	ing: nucleotide binding	toplasm: mitochondrion	metabolic process	Pf00107: Pf01488: Pf08	1,188	0.055	1		396	43.4	9.22
194353972	focal adhesion kinase 1 isoform 1 [Mus musculus]	0.00	0.95	1		1	1	1	gnal transducer activity	ucleus: organelle lumen	ie to stimulus: transport	Pf00069: Pf00373: Pf03	1,188	0.055	1		1052	119.2	6.62
31982701	dnal homolog subfamily B member 12 [Mus musculus]	35.48	2.66	1		1	1	1	protein binding	mbrane	metabolic process	Pf00226: Pf09320	1,188	0.055	1		276	42.0	8.51
21450201	calcium uptake protein 1, mitochondrial [Mus musculus]	161.92	16.98	1		10	10	14	inding: protein binding	mbrane: mitochondrion	homeostasis: transport		1,188	0.055	14	18.1	477	54.3	8.59
29243896	ubiquitin carboxyl-terminal hydrolase 46 [Mus musculus]	51.38	4.37	1		2	2	2	atalytic activity		is: response to stimulus	Pf00443	1,188	0.055	2	5.0	366	42.4	6.83
166851828	ATP synthase subunit delta, mitochondrial precursor [Mus musculus]	61.72	5.36	1		2	2	2	ing: transporter activity	mbrane: mitochondrion	ibolic process: transport	Pf02823	1,189	0.054	2	5.0	168	17.6	5.08
19527112	solute carrier family 15 member 4 [Mus musculus]	77.72	4.53	1		2	2	3	transporter activity	mbrane	ie to stimulus: transport	Pf00854	1,189	0.054	3	8.2	574	62.2	9.16
21311891	transmembrane protein 43 [Mus musculus]	0.00	5.50	1		2	2	2		lgi: membrane: nucleus		Pf07787: Pf09721	1,190	0.054	2	2.5	400	44.8	7.36
260763900	prostaglandin E synthase 2 [Mus musculus]	109.56	10.16	1		5	5	6	inding: protein binding	mitochondrion: nucleus	gical process: transport	Pf00462	1,190	0.054	5	8.0	384	43.3	9.00
33859558	prenylated Rab acceptor protein 1 [Mus musculus]	67.35	8.11	1		1	1	1	protein binding	lasm: Golgi: membrane		Pf03208	1,190	0.054	1		185	20.6	7.90
31982520	long-chain specific acyl-CoA dehydrogenase, mitochondrial precursor	57.03	7.21	1		3	3	3	vity: nucleotide binding	ndrion: organelle lumen	ion of biological process	Pf00441: Pf02770: Pf02	1,191	0.053	3	9.3	430	47.9	8.15
264681516	sperm-associated antigen 7 isoform 1 [Mus musculus]	40.08	5.73	1		1	1	1		nucleus		Pf01424	1,191	0.053	1		227	25.9	7.43
75677514	transmembrane protein 181 [Mus musculus]	26.52	3.38	1		1	1	2				Pf06664	1,191	0.053	2	16.4	474	54.9	6.68
118403314	RNA-binding protein 39 [Mus musculus]	106.09	10.94	1		5	5	5	n binding: RNA binding	cytoskeleton: nucleus	ion of biological process	Pf00076	1,191	0.053	5	13.5	530	59.4	10.10
39930429	translocation protein SEC62 [Mus musculus]	102.11	6.78	1		3	3	4	transporter activity	c reticulum: membrane	nd biogenesis: transport	Pf03839	1,192	0.052	4	2.6	398	45.6	7.31
267844806	coiled-coil-helix-coiled-coil-helix domain-containing protein 6, mitochondrial	214.08	43.67	1		11	11	15		mbrane: mitochondrion	is: response to stimulus	Pf05300: Pf06747	1,192	0.052	1		245	26.4	8.62
158937300	translocation protein SEC63 homolog [Mus musculus]	71.04	4.47	1		3	3	3	ing: transporter activity	s: spliceosomal complex	ibolic process: transport	Pf00226: Pf02724: Pf02	1,193	0.051	3	4.7	760	87.8	5.38
37718983	ras-related protein Rab-35 [Mus musculus]	88.66	13.93	2		2	3	5	inding: protein binding	mitochondrion: nucleus	ie to stimulus: transport	Pf00006: Pf00025: Pf00	1,193	0.051	2	5.9	201	23.0	8.29
213417799	RNA-binding protein Raly short isoform [Mus musculus]	73.52	11.15	2		4	4	4	4e binding: RNA binding	s: spliceosomal complex	metabolic process	Pf00076	1,193	0.051	4	5.3	296	31.2	9.38
118601004	proline dehydrogenase 1, mitochondrial precursor [Mus musculus]	69.93	2.24	1		1	1	1	vity: nucleotide binding	ndrion: organelle lumen	metabolic process	Pf01619	1,193	0.051	1		599	68.0	8.24
78190502	Golgi membrane protein 1 [Mus musculus]	60.08	12.21	1		4	5	6	transporter activity	lasm: Golgi: membrane	gical process: transport	Pf01496	1,194	0.050	4	5.1	393	44.3	5.27
6680894	CD9 antigen [Mus musculus]	68.38	10.18	1		2	2	6	protein binding	xtracellular: membrane	is: response to stimulus	Pf00335	1,195	0.049	5	0.6	226	25.2	7.23
261862329	ankycorbin [Mus musculus]	0.00	0.61	1		1	1	1	activity: protein binding	mitochondrion: nucleus	transport	Pf00023: Pf00529: Pf01	1,195	0.049	1		979	108.8	6.27
128485538	serine/threonine-protein kinase PLK1 [Mus musculus]	72.29	5.64	1		3	3	3	inding: protein binding	ucleus: organelle lumen	is: response to stimulus	Pf00069: Pf00659: Pf07	1,195	0.049	3	19.9	603	68.3	8.72
225007593	heme oxygenase 2 [Mus musculus]	138.56	23.49	1		6	6	7	livity: metal ion binding	c reticulum: membrane	is: response to stimulus	Pf01126	1,196	0.049	7	10.2	315	35.7	5.87
6753798	prothrombin precursor [Mus musculus]	0.00	1.62	1		1	1	1	gnal transducer activity	xtracellular: membrane	ie to stimulus: transport	Pf00051: Pf00089: Pf00	1,196	0.049	1		618	70.2	6.43
171543871	heterochromatin protein 1-binding protein 3 isoform 2 [Mus musculus]	38.60	3.68	2		2	2	2	DNA binding	chromosome: nucleus	esis: metabolic process	Pf00538	1,196	0.049	2	8.7	516	56.8	9.79
267844804	coiled-coil-helix-coiled-coil-helix domain-containing protein 6, mitochondrial	211.46	38.83	1		11	11	15		mbrane: mitochondrion	is: response to stimulus	Pf05300: Pf06747	1,197	0.048	1		273	29.8	8.41
6753556	cathepsin D precursor [Mus musculus]	133.17	12.20	1		5	5	7	atalytic activity	mitochondrion: vacuole	is: response to stimulus	Pf00026: Pf07966	1,198	0.047	6	9.2	410	44.9	7.15
85677504	diablo homolog, mitochondrial precursor [Mus musculus]	25.23	2.95	1		1	1	1		mbrane: mitochondrion	is: response to stimulus	Pf09057	1,198	0.047	1		237	26.8	6.37
266456389	leucine-rich repeat-containing protein 45 [Mus musculus]	38.17	1.49	1		1	1	1	protein binding	cytoskeleton		Pf12128	1,198	0.047	1		670	76.3	6.33
256355019	erlin-1 [Mus musculus]	166.35	14.08	1		2	5	5	vity: catalytic activity	c reticulum: membrane	is: response to stimulus	Pf01145	1,198	0.047	2	13.0	348	39.2	7.21
227430399	leucine-rich repeat-containing protein 57 isoform c [Mus musculus]	78.77	7.11	3		2	2	2	protein binding	xtracellular		Pf12799	1,199	0.046	2	13.6	239	26.7	8.35
22122339	pituitary tumor-transforming gene 1 protein-interacting protein precursor	94.71	14.37	1		3	3	5	receptor activity	ar: membrane: nucleus	development: transport		1,199	0.046	5	6.6	174	20.0	8.63
148747363	lysophosphatidylcholine acyltransferase 1 [Mus musculus]	28.79	2.81	1		2	2	3	vity: metal ion binding	ulum: Golgi: membrane	ion of biological process	Pf01553	1,200	0.046	3	3.5	534	59.7	6.34
153791557	neurobeachin like 1 [Mus musculus]	30.02	0.33	1		1	1	1	protein binding			Pf02138	1,200	0.046	1		2688	306.0	6.39
21450129	acetyl-CoA acetyltransferase, mitochondrial precursor [Mus musculus]	963.45	39.62	1		17	17	58	inding: protein binding	ndrion: organelle lumen	is: response to stimulus	Pf00108: Pf00109: Pf02	1,200	0.046	53	7.5	424	44.8	8.51
10946940	ras-related protein Rab-2A [Mus musculus]	560.49	33.02	2		6	6	16	vity: nucleotide binding	brane: nucleus: vacuole	ie to stimulus: transport	Pf00025: Pf00071: Pf04	1,201	0.045	15	17.6	212	23.5	6.54
31542143	transforming protein RhoA precursor [Mus musculus]	261.02	31.09	4		5	5	9	inding: protein binding	mitochondrion: nucleus	ie to stimulus: transport	Pf00025: Pf00071: Pf08	1,201	0.045	9	10.4	193	21.8	6.10
18079339	aconitate hydratase, mitochondrial precursor [Mus musculus]	370.42	25.64	1		18	18	28	livity: metal ion binding	mitochondrion: nucleus	metabolic process	Pf00330: Pf00694	1,202	0.044	28	13.7	780	85.4	7.93
261862322	kinesin-like protein KIF20A [Mus musculus]	134.22	8.57	1		6	6	6	inding: protein binding	asm: cytoskeleton: Golgi	ibolic process: transport	Pf00225	1,203	0.043	6	14.0	887	99.8	6.99
31560651	lactadherin-like protein 1 [Mus musculus]	31.21	2.11	1		1	1	1	atalytic activity	c reticulum: membrane	metabolic process	Pf03034	1,203	0.043	1		473	55.6	8.28
113865977	lactadherin isoform 2 precursor [Mus musculus]	341.47	31.22	2		12	12	20	protein binding	xtracellular: membrane	reproduction: transport	Pf00008: Pf00754	1,203	0.043	18	24.0	426	47.1	7.05
30520019	saccharopine dehydrogenase-like oxidoreductase [Mus musculus]	0.00	1.63	1		1	1	1	vity: nucleotide binding	mitochondrion: nucleus	metabolic process	Pf03435	1,204	0.043	1		429	47.1	8.60
119508443	dnal homolog subfamily C member 10 precursor [Mus musculus]	62.71	4.79	1		3	3	3	activity: protein binding	ellular: organelle lumen	is: response to stimulus	Pf00085: Pf00226	1,205	0.042	3	38.8	793	90.5	6.96
148238102	melanoma-associated antigen 10 [Mus musculus]	41.13	2.77	1		1	1	1				Pf01454	1,205	0.042	1		325	35.8	4.74
281371456	solute carrier family 12 member 9 [Mus musculus]	86.98	5.91	1		5	5	5		xtracellular: membrane	transport	Pf00324	1,205	0.042	5	13.2	914	96.3	7.02
87162470	3-keto-steroid reductase [Mus musculus]	0.00	5.09	1		1	1	2	inding: protein binding	c reticulum: membrane	metabolic process	Pf00106: Pf08659	1,205	0.042	1		334	37.3	6.73
225703070	centromere protein																		

37655163	arf-GAP with Rho-GAP domain, ANK repeat and PH domain-contain	0,00	1,65	3	1	1	1	1	binding: protein binding	lasm: Golgi; membrane	is: response to stimulus	P00169; P00620; P00	1,213	0,037	1			727	83,1	6,44	
23956084	very long-chain specific acyl-CoA dehydrogenase, mitochondrial pr	109,00	11,74	1	6	6			7; vity: nucleotide binding	ucleus: organelle lumen	ion of biological process	P000441; P02770; P02	1,213	0,037	7		9,8	656	70,8	8,75	
125660458	zinc transporter 9 [Mus musculus]	0,00	3,70	1	2	2			2; ling: transporter activity	on: membrane	nucleus	igical process: transport	P01545	0,036	2		6,4	567	62,8	8,69	
21313536	dihydrolipoyllysine-residue succinyltransferase component of 2-ox	422,43	20,70	1	9	9			25; activity: protein binding	mitochondrion: nucleus	metabolic process	P00198; P00364	1,217	0,034	24		9,7	454	49,0	8,95	
119372304	atlastin-2 [Mus musculus]	87,89	8,50	2	4	4			6; binding: protein binding	ic reticulum: membrane	esis: metabolic process	P02263	1,218	0,034	6		14,5	412	46,8	5,95	
6753632	diacylglycerol O-acyltransferase 1 [Mus musculus]	74,08	4,22	1	2	2			2	catalytic activity	ic reticulum: membrane	igical process: transport	P03062	1,218	0,034	2		20,2	498	56,8	9,39
6677995	monocarboxylate transporter 1 [Mus musculus]	60,37	2,64	1	1	1			1; ling: transporter activity	mbane: mitochondrion	ie to stimulus: transport	P00083; P07690	1,219	0,033	1			493	53,2	7,47	
294862233	polycystic kidney disease protein 1-like 2 precursor [Mus musculus]	0,00	0,93	1	1	1			1; ling: transporter activity	membrane	ie to stimulus: transport	P00059; P00520; P01	1,219	0,033	1			2461	271,9	5,63	
214010170	clusterin precursor [Mus musculus]	671,67	35,27	1	15	15			31; activity: protein binding	mitochondrion: nucleus	ie to stimulus: transport	P01093	1,219	0,033	31		16,5	448	51,6	5,67	
125490373	Ubli3 protein [Mus musculus]	122,03	21,31	4	4	4			4	catalytic activity		metabolic process	P01209; P05148; P05	1,222	0,032	4		8,4	244	28,0	8,57
377833208	PREDICTED: protein disulfide-isomerase A6 [Mus musculus]	565,91	29,41	1	12	12			31	catalytic activity	brane: organelle lumen	ion of biological process	P00085	1,222	0,032	1			391	42,8	6,70
31982393	bifunctional epoxide hydrolase 2 isoform a [Mus musculus]	107,22	9,75	4	4	4			4	binding: protein binding	ucleus: organelle lumen	is: response to stimulus	P00561; P00702; P012	1,222	0,032	5		44,4	554	62,5	6,19
110625627	probable inactive 1-aminocyclopropane-1-carboxylate synthase-like	88,91	10,17	1	6	6			8	catalytic activity	ucleus: organelle lumen	is: response to stimulus	P00155	1,222	0,032	8		7,6	580	66,1	9,33
7305555	protein TCL1B2 [Mus musculus]	69,08	23,93	1	3	3			3				P01840	1,223	0,031	3		5,5	117	13,7	7,09
12746424	dihydropyrimidinase-related protein 5 [Mus musculus]	26,54	1,95	1	1	1			1	activity: protein binding	cytoplasm	is: response to stimulus	P01979	1,224	0,031	1			564	61,5	7,09
10946572	fatty acid-binding protein, brain [Mus musculus]	55,53	9,09	1	1	1			1	transporter activity	iplasm: cytosol; nucleus	ie to stimulus: transport	P00061	1,225	0,030	1			132	14,9	5,63
164698481	sepin-9 isoform b [Mus musculus]	37,35	1,56	2	1	1			1	vity: nucleotide binding	cytoplasm: cytoskeleton	inization and biogenesis	P00735; P01926; P03	1,225	0,030	1			576	64,7	7,49
150378501	carboxypeptidase D precursor [Mus musculus]	51,69	0,65	1	1	1			1	tivity: metal ion binding	lgi: membrane; nucleus	metabolic process	P00246; P04952	1,225	0,030	1			1377	152,3	6,18
133778958	mRNA-decapping enzyme 1A [Mus musculus]	113,70	4,32	1	3	3			4	activity: protein binding	cytoplasm; nucleus	is: response to stimulus	P06058	1,226	0,030	4		6,5	602	65,2	6,99
236465189	sepin [Mus musculus]	32,10	2,03	1	1	1			2		ic reticulum: membrane	ion of biological process	P06775	1,226	0,030	2		3,6	443	49,6	6,64
228480241	metaxin-2 [Mus musculus]	172,24	12,93	1	3	3			6	mbane: mitochondrion	id biogenesis: transport	P11801	1,226	0,030	6		9,1	263	29,7	5,63	
46309573	protein sel-1 homolog 1 isoform b precursor [Mus musculus]	103,35	7,84	2	6	6			7	protein binding	ic reticulum: membrane	is: response to stimulus	P08238	1,227	0,029	7		7,0	740	82,4	5,87
18700004	3-ketoacyl-CoA thiolase A, peroxisomal precursor [Mus musculus]	266,96	29,25	1	4	8			12	catalytic activity	toplasm: mitochondrion	is: response to stimulus	P00108; P02803; P08	1,228	0,029	6		9,8	424	43,9	8,44
68533246	thyroid hormone receptor-associated protein 3 [Mus musculus]	19,17	1,37	1	1	1			1	or activity: RNA binding	ucleus: organelle lumen	is: response to stimulus		1,228	0,029	1			951	108,1	10,17
13385306	vitamin K-dependent protein 2 precursor [Mus musculus]	68,89	3,26	1	1	1			1	inding: protein binding	extracellular	is: response to stimulus	P00008; P00089; P00	1,228	0,029	1			399	44,3	5,90
45598396	cAMP-dependent protein kinase type II-beta regulatory subunit [M	81,50	12,74	1	2	4			6	inding: protein binding	mbane: mitochondrion	is: response to stimulus	P00027; P02197	1,229	0,028	2		18,3	416	46,1	4,98
13385482	tetraspanin-31 [Mus musculus]	54,03	5,71	1	1	1			1		membrane		P00335	1,229	0,028	1			210	22,7	8,44
295424108	shugoshin-like 2 isoform 2 [Mus musculus]	0,00	0,66	4	1	1			1	protein binding	ucleus: organelle lumen	al process: reproduction		1,229	0,028	1			1064	118,9	8,38
90017457	adrenodoxin-like protein, mitochondrial precursor [Mus musculus]	57,54	6,32	1	1	1			1	metal ion binding	ndrion: organelle lumen	ollic process: transport	P00111	1,231	0,027	1			174	18,8	6,04
13195658	zinc finger protein-like 1 [Mus musculus]	0,00	5,81	1	1	1			1	inding: protein binding	lasm: Golgi; membrane	transport		1,232	0,027	1			310	34,1	8,19
133505845	tyrosine-protein phosphatase non-receptor type 1 [Mus musculus]	60,83	2,08	1	1	1			1	inding: RNA binding	ndosome: membrane	ie to stimulus: transport	P00102; P00782	1,232	0,027	1			432	49,6	6,16
58037513	retinol dehydrogenase 12 precursor [Mus musculus]	64,30	6,65	1	2	2			3	vity: nucleotide binding		is: response to stimulus	P00106; P03435; P08	1,233	0,026	3		3,8	316	35,3	9,61
158937256	NADH dehydrogenase [ubiquinone] complex I, assembly factor 7	56,83	3,90	1	2	2			2	protein binding	xcellular: mitochondrion	inization and biogenesis	P02636	1,234	0,026	2			336	48,4	6,95
89242146	Niemann-Pick C1 protein precursor [Mus musculus]	120,93	2,98	1	4	4			4	ity: transporter activity	brane: nucleus; vacuole	ie to stimulus: transport	P00873; P02460; P03	1,234	0,026	4		6,0	1277	142,8	5,71
23956140	glycerophosphodiester phosphodiesterase domain-containing prot	1142,82	42,36	1	16	16			58	tivity: metal ion binding	membrane	metabolic process	P03009	1,234	0,026	51			1364	35,8	8,31
21313026	rab-like protein 5 [Mus musculus]	63,37	8,65	1	1	1			1	nucleotide binding	cytoskeleton	ie to stimulus: transport	P00071; P08477; P09	1,235	0,025	1			185	20,8	5,25
17157989	RNA-binding protein Musashi homolog 2 isoform 1 [Mus musculus]	0,00	2,89	1	1	1			1	binding: RNA binding	cytoplasm	cell differentiation	P00076	1,235	0,025	1			346	36,9	8,47
13385006	cytochrome c1, heme protein, mitochondrial [Mus musculus]	130,32	9,85	1	3	3			3	metal ion binding	mitochondrion: nucleus	ie to stimulus: transport	P02167	1,236	0,025	3		0,5	325	35,3	9,16
31791059	CD166 antigen precursor [Mus musculus]	92,88	5,49	1	3	3			3	protein binding	tracellular: membrane	it: response to stimulus	P07679; P07686; P08	1,238	0,024	3			583	65,1	6,15
13324684	protein transport protein Sec61 subunit beta [Mus musculus]	121,88	37,50	2	3	3			6	in binding: RNA binding	ic reticulum: membrane	ollic process: transport	P03911	1,238	0,024	5		6,1	96	10,0	11,56
31982332	glutamine synthetase [Mus musculus]	154,78	8,31	1	3	3			26	inding: protein binding	mitochondrion: nucleus	ie to stimulus: transport	P001020; P03951	1,240	0,023	2		23,2	373	42,1	7,08
7229185	transmembrane 9 superfamily member 1 precursor [Mus musculus]	37,37	1,98	1	1	1			1		im: membrane; vacuole	metabolic process	P02990	1,240	0,023	1			606	68,9	7,09
40254600	acidic leucine-rich nuclear phosphoprotein 32 family member A (M	126,31	18,62	1	3	6			8	in binding: RNA binding	ucleus: organelle lumen	igical process: transport	P12799	1,241	0,023	4		28,0	247	28,5	4,07
159110717	inter-alpha-trypsin inhibitor heavy chain H3 precursor [Mus muscu	111,82	7,31	1	6	6			7	activity: protein binding	extracellular	ion of biological process	P00092; P06668; P08	1,241	0,023	7		6,9	889	99,3	6,05
157057559	collagen alpha-1(XII) chain [Mus musculus]	34,94	1,13	1	1	1			1	protein binding	tracellular: membrane	inization and biogenesis	P01391	1,242	0,022	1			532	51,4	6,89
6679791	aldose reductase-related protein 2 [Mus musculus]	129,51	16,46	7	6	7			16	catalytic activity	cytoplasm	metabolic process	P00248	1,242	0,022	6		10,7	316	36,1	9,37
124494244	unconventional myosin-Ic isoform b [Mus musculus]	43,07	0,88	2	1	1			1	inding: protein binding	mitochondrion: nucleus	ie to stimulus: transport	P00063; P06017	1,242	0,022	1			1028	118,1	6,35
31982186	malate dehydrogenase, mitochondrial precursor [Mus musculus]	1309,86	49,41	1	16	16			52	in binding: RNA binding	ucleus: organelle lumen	metabolic process	P00056; P01073; P01	1,243	0,022	51		8,0	338	35,6	8,68
9789991	estradiol 17-beta-dehydrogenase 12 [Mus musculus]	108,80	7,69	1	2	2			3	inding: protein binding	ic reticulum: membrane	ion of biological process	P00106; P01370; P02	1,243	0,022	3		11,5	312	34,7	9,52
31980703	alpha-aminoadipic semialdehyde synthase, mitochondrial [Mus mu	1105,44	30,02	1	27	27			70	vity: nucleotide binding	toplasm: mitochondrion	metabolic process	P01262; P03435; P05	1,244	0,022	65		14,1	926	102,9	6,87
12963767	KDEL motif-containing protein 1 precursor [Mus musculus]	34,38	7,37	1	3	3			3	protein binding	culum: organelle lumen		P00630; P05686	1,245	0,021	3		2,9	502	57,9	7,90
171846235	wee1-like protein kinase 2 [Mus musculus]	77,81	8,29	1	4	5			5	ling: nucleotide binding	y: cytoskeleton; nucleus	al process: reproduction	P00069; P07714	1,245	0,021	4		13,8	555	62,3	7,01
244790095	myosin expression factor 2 isoform 3 [Mus musculus]	45,54	3,27	3	2	2			2	binding: RNA binding	toplasm: Golgi; nucleus		P00076; P11608	1,245	0,021	2		14,2	550	59,5	8,75
161016828	branched-chain-amino-acid aminotransferase, cytosolic isoform 2	28,75	2,85	2	1	1			1	activity: protein binding	cytosol: mitochondrion	is: response to stimulus	P01063	1,246	0,021	1			386	42,8	5,39
29126205	3-ketoacyl-CoA thiolase, mitochondrial [Mus musculus]	331,81	24,94	1	9	9			9	7; lc activity: RNA binding	ndrion: organelle lumen	ie to stimulus: transport	P00108; P02801; P02	1,246	0,021	6		16,4	397	41,8	8,09
27532967	transmembrane protein 168 [Mus musculus]	120,71	7,89	1	4	4			5		cytoplasm: membrane			1,248	0,020	5		6,4	697	79,6	7,96
31981810	enoyl-CoA delta isomerase 1, mitochondrial precursor [Mus muscu	141,71	24,22	1	6	6			8	activity: protein binding	ndrion: organelle lumen	metabolic process	P00378	1,248	0,020	8		10,6	289	32,2	8,98
224967126	granulins precursor [Mus musculus]	0,00	3,49	1	1	1			1	in binding: RNA binding	xcellular: mitochondrion	ie to stimulus: transport	P00396	1,248	0,020	1			602	65,0	6,99
31981251	chromatin target of PRMT1 protein [Mus musculus]	60,88	5,80	1	1	1			1	in binding: RNA binding	ucleus: organelle lumen	igical process: transport		1,248	0,020	1			224	23,8	12,26
154090995	nanos homolog 2 [Mus musculus]	66,37	8,82	1	1	1			1	in binding: RNA binding	cytoplasm	al process: reproduction	P05741	1,249	0,020	1			136	15,6	8,19
33859722	thioredoxin-related transmembrane protein 1 precursor [Mus mus	74,86	12,23	1	3	3			3	catalytic activity	ucleus: organelle lumen	ie to stimulus: transport	P00085	1,249	0,020	3		11,5	278	31,4	5,29
127141012	probable E3 ubiquitin-protein ligase MYCBP2 [Mus musculus]	25,10	0,29	1	1	1			1	inding: protein binding	cytoskeleton; nucleus	is: response to stimulus	P00415; P06136; P08	1,250	0,019	1			4746	520,5	7,05
160333185	mitochondrial intermediate peptidase precursor [Mus musculus]	65,49	1,27	1	1	1			1	tivity: metal ion binding	ndrion: organelle lumen	metabolic process	P01432	1,251	0,019	1			711	80,8	7,19
21313679	ATP synthase subunit d, mitochondrial [Mus musculus]	121,50	26,71	1	5	5			7	ity: transporter activity	mbane: mitochondrion	ollic process: transport	P05873	1,252	0,019	7		3,7	161	18,7	5,59
239985503	microfilament-associated																				

149258501	PREDICTED: phosphate carrier protein, mitochondrial-like isoform	220,18	20,17	4		10	10	22	membrane		PI00153	1,275	0,012	17		16,0	357	39,6	9,26	
295821212	sideroflexin-3 isoform 3 [Mus musculus]	0,00	5,34	3	1	1	1	1	transporter activity	membrane; mitochondrion	transport	PI003820	1,275	0,012	1		281	30,9	8,98	
225690556	ribosome-releasing factor 2, mitochondrial isoform 2 [Mus musculus]	19,89	1,48	4	1	1	1	1	vity: nucleotide binding	topoplasm; mitochondrion	esis: metabolic process	PI00009; PI00679; PI01	1,275	0,012	1		741	82,0	6,32	
30794474	28S ribosomal protein S7, mitochondrial precursor [Mus musculus]	33,81	7,44	1	1	1	1	1	ctural molecule activity	janelle lumen; ribosome	metabolic process	PI00177	1,277	0,012	1		242	28,0	9,94	
18390323	ras-related protein Rab-14 [Mus musculus]	274,71	33,02	1	6	6	14	inding: protein binding	brane; nucleus; vacuole	ie to stimulus; transport	PI00009; PI00025; PI00	1,277	0,012	11		5,9	215	23,9	6,21	
261878609	uncharacterized protein LOC102991 isoform 1 [Mus musculus]	323,67	21,05	2	10	10	17					1,278	0,012	16		16,6	589	61,8	9,55	
6680744	sodium/potassium-transporting ATPase subunit beta-3 [Mus musculus]	101,25	9,71	1	3	3	4	ing: transporter activity	xtracellular; membrane	ibolic process; transport	PI00287	1,280	0,011	4		9,7	278	31,8	8,51	
160330377	tumor suppressor p53-binding protein 1 [Mus musculus]	69,41	1,42	1	2	2	2	inding: protein binding	me; cytoplasm; nucleus	is; response to stimulus	PI09038	1,283	0,010	2		2,3	1969	212,6	4,63	
340007386	branched-chain-amino-acid aminotransferase, mitochondrial isoform 1 [Mus musculus]	27,74	2,27	2	1	1	1	1	catalytic activity	mitochondrion; nucleus	metabolic process	PI01063	1,286	0,010	1		363	39,7	7,68	
309267696	PREDICTED: fibrous sheath-interacting protein 2 [Mus musculus]	42,92	0,09	1	1	1	2	1	protein binding	membrane; mitochondrion		PI03157	1,288	0,010	2		7,4	6976	782,7	6,51
19882207	farnesyl pyrophosphate synthase isoform 2 [Mus musculus]	165,87	17,56	2	6	6	8	n binding: RNA binding	ucleus; organelle lumen	is; response to stimulus	PI00348	1,288	0,010	8		4,1	636	40,6	5,66	
268838784	general transcription factor IIE subunit 2 [Mus musculus]	0,00	4,45	1	1	1	1	n binding: RNA binding	ucleus; organelle lumen	ion of biological process	PI02186	1,288	0,010	1			292	33,0	9,64	
7106331	histone H2A.x [Mus musculus]	262,93	22,38	6	2	4	17	inding: protein binding	ucleus; organelle lumen	n; response to stimulus	PI00125	1,288	0,010	3		21,3	143	15,1	10,74	
6806917	ganglioside GM2 activator precursor [Mus musculus]	36,32	3,63	1	1	1	1	ity: transporter activity	anelle lumen; vacuole	ie to stimulus; transport	PI06477	1,289	0,009	1			193	20,8	5,90	
161353506	serpin H1 precursor [Mus musculus]	295,31	28,30	1	11	11	16	n binding: RNA binding	ellular; organelle lumen	is; response to stimulus	PI00079	1,296	0,008	15		11,6	417	46,5	8,82	
7305553	protein TCL1B1 [Mus musculus]	25,49	8,62	1	1	1	1				PI01840	1,298	0,008	1			116	13,4	6,96	
256773209	histone H2A.V [Mus musculus]	302,07	23,44	7	1	3	15	inding: protein binding	chromosome; nucleus	esis: metabolic process	PI00125	1,298	0,008	1			128	13,5	10,58	
19923070	very-long-chain enoyl-CoA reductase isoform 1 [Mus musculus]	71,68	10,39	2	4	4	4	catalytic activity	im; membrane; nucleus	metabolic process	PI02544	1,299	0,008	4		4,7	308	36,1	9,55	
61651673	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 1 [Mus musculus]	91,34	3,16	1	3	3	4	catalytic activity	c; reticulum; membrane	is; response to stimulus	PI02516	1,300	0,008	4		5,2	823	93,3	9,00	
124487407	protein bassoon [Mus musculus]	0,00	0,28	1	1	1	1	inding: protein binding	on; membrane; nucleus		PI05715	1,300	0,008	1			3942	418,6	7,71	
6681095	cytochrome c, somatic [Mus musculus]	351,88	46,67	2	7	7	19	metal ion binding	mitochondrion; nucleus	ie to stimulus; transport	PI00034	1,302	0,007	18		13,3	105	11,6	9,58	
148747128	dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit 2 [Mus musculus]	99,98	2,84	1	2	2	3	catalytic activity	c; reticulum; membrane	metabolic process	PI02516	1,305	0,007	3		12,4	705	80,5	8,10	
12963643	39S ribosomal protein L46, mitochondrial [Mus musculus]	40,68	4,59	1	1	1	1	catalytic activity	itochondrion; ribosome	metabolic process	PI11788	1,305	0,007	1			283	32,1	7,40	
37674242	bone marrow stromal antigen 2 precursor [Mus musculus]	140,21	17,44	1	4	4	4	gnal transducer activity	llular; Golgi; membrane	ie to stimulus; transport	PI04849	1,307	0,007	4		6,2	172	19,1	7,34	
33859596	prolyl 4-hydroxylase subunit alpha-1 precursor [Mus musculus]	42,08	6,37	2	3	3	3	inding: protein binding	ndrion; organelle lumen	esis: metabolic process	PI03171; PI08336	1,308	0,006	2		26,0	534	60,9	5,90	
188497650	malectin precursor [Mus musculus]	93,40	14,78	1	5	5	6	protein binding	c; reticulum; membrane	metabolic process	PI11721	1,308	0,006	6		14,7	291	32,3	6,05	
124001582	melanoma inhibitory activity protein 3 precursor [Mus musculus]	36,32	0,83	1	1	1	1	protein binding	ucleus; organelle lumen	ie to stimulus; transport	PI05483; PI05	1,312	0,006	1			1930	213,5	4,75	
227499242	ubiquitin-like modifier-activating enzyme 5 [Mus musculus]	19,33	2,23	1	1	1	1	ing: nucleotide binding	cytoplasm; nucleus	is; response to stimulus	PI08099	1,312	0,006	1			403	44,8	4,96	
34556197	group XIIA secretory phospholipase A2 isoform 2 [Mus musculus]	50,36	9,80	2	1	1	2	ivity: metal ion binding	um; extracellular; Golgi	metabolic process	PI06951	1,314	0,006	2		8,8	153	17,2	6,49	
9845253	heterogeneous nuclear ribonucleoprotein H2 [Mus musculus]	52,05	8,24	1	1	4	6	e binding: RNA binding	ucleus; organelle lumen		PI00076; PI08080	1,314	0,006	1			409	49,2	6,30	
6681079	cathpsin B preproprotein [Mus musculus]	69,75	2,36	1	1	1	5	activity: protein binding	anelle lumen; vacuole	n; response to stimulus	PI00112; PI08127	1,314	0,006	3		22,3	339	37,3	5,91	
31543694	sphingosine-1-phosphate lyase 1 [Mus musculus]	53,08	3,70	1	3	3	3	catalytic activity	c; reticulum; membrane	n; response to stimulus	PI00266; PI00	1,315	0,006	3		1,1	568	63,6	9,10	
13384938	endoplasmic reticulum-Golgi intermediate compartment protein 3 [Mus musculus]	39,74	5,48	1	2	2	2	um; Golgi; membrane		transport	PI07970	1,316	0,005	2		6,9	383	43,2	6,47	
13386014	ER membrane protein complex subunit 4 [Mus musculus]	38,83	8,74	1	1	1	1	c; reticulum; membrane		cell death	PI06417	1,327	0,004	1			183	20,1	8,62	
74096448	fatty acyl-CoA reductase 1 [Mus musculus]	45,59	3,88	1	2	2	2	vity: nucleotide binding	cytoplasm; membrane	metabolic process	PI01370; PI03015; PI07	1,330	0,004	2		4,3	515	59,4	9,19	
6678768	myristoylated alanine-rich C-kinase substrate [Mus musculus]	32,93	6,15	1	1	1	1	protein binding	ar; membrane; nucleus			1,330	0,004	1			309	29,6	4,34	
13385260	acyl-coenzyme A thioesterase 13 [Mus musculus]	69,81	11,43	1	2	2	2	catalytic activity	mitochondrion; nucleus	esis: metabolic process	PI03061	1,334	0,004	2		2,3	140	15,2	8,82	
10181184	ATP synthase subunit f, mitochondrial [Mus musculus]	34,32	13,64	1	1	1	2	catalytic activity	itochondrion; nucleus	ibolic process; transport	PI10206	1,335	0,004	2		27,6	88	10,3	9,95	
6678257	T-cell leukemia/lymphoma protein 1A [Mus musculus]	100,48	26,72	1	4	4	10	smic reticulum; nucleus	ion of biological process		PI01840	1,337	0,004	10		10,3	116	14,1	5,52	
253795498	protein DEK [Mus musculus]	77,20	11,05	1	4	4	4	n binding: RNA binding	nucleus	is; response to stimulus	PI08766	1,340	0,003	4		3,7	380	43,1	6,86	
88853581	RNA-binding protein EWS [Mus musculus]	58,30	2,29	1	1	1	1	n binding: RNA binding	ucleus; organelle lumen	ion of biological process	PI00076; PI00641	1,342	0,003	1			655	68,4	9,33	
7304927	bcl-2-like protein 10 [Mus musculus]	217,53	28,80	1	4	4	13	protein binding	mitochondrion; nucleus	is; response to stimulus	PI00452	1,351	0,003	12		18,3	191	22,3	9,31	
171184435	very-long-chain (3R)-3-hydroxyacyl-acyl-carrier protein dehydratase [Mus musculus]	87,34	6,08	1	2	2	3	activity: protein binding	c; reticulum; membrane	is; response to stimulus	PI04387; PI04969	1,353	0,003	3		15,5	362	43,1	9,13	
13128964	ras-related protein Rab-27A [Mus musculus]	29,60	4,07	1	1	1	1	inding: protein binding	brane; nucleus; vacuole	ie to stimulus; transport	PI00009; PI00025; PI00	1,354	0,002	1			221	25,0	5,36	
162417949	leucine-rich repeat flightless-interacting protein 1 isoform 1 [Mus musculus]	80,77	5,49	2	1	4	5	inding: protein binding	m; membrane; nucleus	ion of biological process	PI09738	1,357	0,002	1			729	79,2	4,82	
9937988	secretory carrier-associated membrane protein 5 [Mus musculus]	108,50	8,09	1	2	2	3	ome; Golgi; membrane	ie to stimulus; transport		PI04144	1,358	0,002	3		3,6	235	26,1	8,54	
7710018	erythrocyte band 7 integral membrane protein [Mus musculus]	36,31	2,46	1	1	1	1	protein binding	xtracellular; membrane	igical process; transport	PI01145	1,358	0,002	1			284	31,4	6,93	
6679493	presenilin-1 [Mus musculus]	40,48	4,07	1	1	1	1	ing: transporter activity	ndrion; nucleus; vacuole	ie to stimulus; transport	PI01080	1,364	0,002	1			467	52,6	5,38	
6678329	protein-glutamine gamma-glutamyltransferase 2 [Mus musculus]	34,99	2,19	1	1	1	1	inding: protein binding	embrane; mitochondrion	ie to stimulus; transport	PI00868; PI00927; PI01	1,367	0,002	1			686	77,0	5,10	
31560090	putative phospholipase B-like 2 precursor [Mus musculus]	25,94	2,02	1	1	1	1	catalytic activity	anelle lumen; vacuole	metabolic process	PI04916	1,369	0,002	1			594	66,2	6,13	
21312012	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8 [Mus musculus]	59,11	14,53	1	2	2	3	protein binding	embrane; mitochondrion	ibolic process; transport	PI06747	1,373	0,002	3		6,8	172	20,0	8,46	
160707990	dipeptidyl peptidase 1 preproprotein [Mus musculus]	48,07	2,60	1	1	1	1	activity: protein binding	ellular; Golgi; vacuole	is; response to stimulus	PI00112; PI03051; PI04	1,376	0,002	1			462	52,3	6,89	
13385134	signal peptidase complex subunit 2 [Mus musculus]	58,42	18,14	1	5	5	5	catalytic activity	c; reticulum; membrane	metabolic process	PI06703	1,380	0,001	5		13,3	226	25,0	8,57	
33563246	calpastatin [Mus musculus]	0,00	1,06	1	1	1	1	n binding: RNA binding	ol; membrane; nucleus	al process; reproduction	PI00748	1,392	0,001	1			754	81,4	5,36	
41282044	synaptophysin-like protein 1 isoform 2 [Mus musculus]	123,41	4,53	2	2	2	4	transporter activity	xtracellular; membrane		transport	PI01284	1,392	0,001	4		1,6	243	26,7	7,72
33859809	fibrinogen beta chain precursor [Mus musculus]	38,23	2,91	1	1	1	1	ctural molecule activity	xtracellular; membrane	ie to stimulus; transport	PI00147; PI08702	1,393	0,001	1			481	54,7	7,08	
254939708	protein unc-80 homolog [Mus musculus]	23,72	0,21	1	1	1	1	membrane				1,393	0,001	1			3326	370,3	6,98	
54607171	keratin, type II cytoskeletal 6A [Mus musculus]	274,12	18,08	14	3	12	21	ctural molecule activity	oskeleton; extracellular	is; response to stimulus	PI00038; PI01576; PI05	1,396	0,001	3		1,4	553	59,3	7,94	
19745150	NADH-cytochrome b5 reductase 3 [Mus musculus]	227,82	24,58	1	8	8	17	inding: protein binding	embrane; mitochondrion	metabolic process	PI00175; PI00970	1,397	0,001	16			141	301	34,1	8,38
6679767	NADPH:adrenodoxin oxidoreductase, mitochondrial precursor [Mus musculus]	169,06	15,38	1	7	7	7	vity: nucleotide binding	ndrion; organelle lumen	ibolic process; transport	PI07992	1,401	0,001	7		6,4	494	54,2	8,66	
19527026	leucine-rich repeat-containing protein 59 [Mus musculus]	49,18	5,54	1	1	1	3	n binding: RNA binding	ucleus; organelle lumen		PI12799	1,401	0,001	3			13,0	307	34,9	9,52
112734855	DNA topoisomerase 1 [Mus musculus]	129,10	4,49	1	4	4	4	n binding: RNA binding	ucleus; organelle lumen	is; response to stimulus	PI02919	1,417	0,001	4		3,7	767	90,8	9,33	
110626167	acyl-coenzyme A thioesterase 6 [Mus musculus]	0,00	2,86	4	1	1	1	catalytic activity	cytoplasm; cytosol	metabolic process	PI04775; PI08840	1,440	0,000	1			419	46,7	7,02	
9845257	histone H1.2 [Mus musculus]	505,96	42,45	2	3	14	38	n binding: RNA binding	ucleus; organelle lumen	esis: metabolic process	PI00538	1,442	0,000	5		53,5	212	21,3	11,00	
253970508	retinoid-inducible serine carboxypeptidase precursor [Mus musculus]	0,00	2,88	1	1	1	1	catalytic activity	n; cytosol; extracellular	metabolic process	PI00450	1,451	0,000	1			452	50,9	5,66	
6679765	adrenodoxin, mitochondrial precursor [Mus musculus]	101,48	23,94	1	6	6	7	inding: protein binding	ndrion; organelle lumen	igical process; transport		1,459	0,000	7		16,2	188	20,1	5,62	
21312968	translocin-associated protein subunit gamma [Mus musculus]	40,32	7,57	1	1	1	1	activity: protein binding	c; reticulum; mitochondrion	ad biogenesis; transport	PI07074	1,467	0,000	1			185			

113205059	nuclease-sensitive element-binding protein 1 [Mus musculus]	249,88	18,63	1	2	6	27 in binding; RNA binding i; spliceosomal complex ss; response to stimulus	PI00313	1,588	0,000	11	14,9	322	35,7	9,88
86990450	unconventional myosin-Ib isoform 2 [Mus musculus]	32,41	2,35	2	2	3	3 binding; protein binding xtracellular; membrane nent; metabolic process	PI00063; PI06017	1,590	0,000	2	38,6	1107	128,5	9,26
21426823	histone H1.1 [Mus musculus]	283,45	17,37	1	3	6	14 binding; protein binding ucleus; organelle lumen ic process; reproduction	PI00538	1,597	0,000	3	43,8	213	21,8	10,93
6680720	ADP-ribosylation factor 4 [Mus musculus]	152,79	15,00	2	1	3	5 gnal transducer activity lgi; membrane; nucleus ie to stimulus; transport	PI00025; PI00071; PI00	1,601	0,000	1		180	20,4	7,14
62526118	cytoskeleton-associated protein 4 [Mus musculus]	132,62	8,35	1	5	5	5 or activity; RNA binding xtracellular; membrane inization and biogenesis	PI01576; PI06160	1,607	0,000	5	14,9	575	63,7	5,64
283945579	core histone macro-H2A.1 isoform 4 [Mus musculus]	33,16	10,87	5	3	3	3 activity; protein binding ucleus; organelle lumen ion of biological process	PI00125; PI01661	1,613	0,000	3	33,2	368	39,1	9,82
37574048	cytochrome b-c1 complex subunit 9 [Mus musculus]	76,20	26,56	1	1	1	1 ity; transporter activity mbrane; mitochondrion ibolic process; transport	PI05365	1,639	0,000	1		64	7,4	9,19
158517825	apolipoprotein C-1 precursor [Mus musculus]	47,92	18,18	1	2	2	3 yzyme regulator activity reticulum; extracellular igital process; transport	PI04691	1,643	0,000	3	33,1	88	9,7	9,09
13384766	transmembrane protein 14C [Mus musculus]	35,88	9,65	1	1	1	1 mbrane; mitochondrion metabolic process	PI03647	1,645	0,000	1		114	11,6	9,70
306482623	histone H4 [Mus musculus]	488,70	52,43	1	6	6	22 in binding; RNA binding ucleus; organelle lumen ion of biological process	PI00125	1,652	0,000	18	22,3	103	11,4	11,36
110625696	collagen triple helix repeat-containing protein 1 precursor [Mus musculus]	43,24	6,53	1	2	2	2 protein binding cytoplasm; extracellular is; response to stimulus	PI01391	1,667	0,000	2	5,5	245	26,4	7,50
13430890	histone H1.4 [Mus musculus]	648,44	46,12	2	4	16	41 in binding; RNA binding ucleus; organelle lumen esis; metabolic process	PI00538	1,688	0,000	5	19,5	219	22,0	11,11
31543330	NAD(P) transhydrogenase, mitochondrial precursor [Mus musculus]	70,80	3,68	1	5	5	5 vity; nucleotide binding mbrane; mitochondrion ibolic process; transport	PI01262; PI02233; PI05	1,706	0,000	5	9,2	1086	113,8	7,64
148747566	cholesterol side-chain cleavage enzyme, mitochondrial precursor [Mus musculus]	28,10	2,47	1	1	1	1 tivity; metal ion binding mbrane; mitochondrion in; response to stimulus	PI00067	1,753	0,000	1		526	60,3	9,39
7305453	protein S100-A8 [Mus musculus]	34,95	7,87	1	1	1	1 binding; protein binding lar; membrane; nucleus is; response to stimulus	PI01023	1,768	0,000	1		89	10,3	5,68
251823855	pantetheinase precursor [Mus musculus]	85,76	3,71	2	2	2	2 catalytic activity xtracellular; membrane is; response to stimulus	PI00795	1,789	0,000	2	50,3	512	57,1	5,94
124286797	placenta-expressed transcript 1 protein precursor [Mus musculus]	153,12	7,59	1	2	2	4 cell surface; membrane is; response to stimulus	PI02893	1,827	0,000	4	16,6	237	25,0	5,86
254588110	histone H1.3 [Mus musculus]	677,43	46,15	2	1	17	50 in binding; RNA binding ucleus; organelle lumen esis; metabolic process	PI00538	1,891	0,000	1		221	22,1	11,03
27777683	GRAM domain-containing protein 1B [Mus musculus]	51,48	1,25	1	1	1	1 mbrane	PI02893	1,994	0,000	1		878	101,0	6,28
6680289	3 beta-hydroxysteroid dehydrogenase/Delta 5-...-4-isomerase type 1 [Mus musculus]	95,11	10,99	9	4	4	4 vity; nucleotide binding mbrane; mitochondrion metabolic process	PI00106; PI01073; PI01	2,064	0,000	4	18,7	373	42,0	8,63
30061345	histone H3.1 [Mus musculus]	356,04	42,65	3	1	10	61 binding; protein binding ucleus; organelle lumen ion of biological process	PI00125	2,191	0,000	1		136	15,4	11,12
158517818	transmembrane protein 141 isoform 2 [Mus musculus]	0,00	29,87	2	1	1	2 mbrane		2,210	0,000	1		77	8,6	8,51
9845265	ubiquitin-60S ribosomal protein L40 [Mus musculus]	1234,21	60,16	5	1	10	90 ctural molecule activity nen; ribosome; vacuole metabolic process	PI00240; PI01020; PI11976					128	14,7	9,83
31560689	hydroxymethylglutaryl-CoA synthase, mitochondrial precursor [Mus musculus]	87,19	5,51	1	2	3	4 catalytic activity ndrion; organelle lumen metabolic process	PI01154; PI08540; PI08545					508	56,8	8,41
113680506	glutathione S-transferase Mu 6 [Mus musculus]	65,02	10,55	2	1	3	3 activity; protein binding cytoplasm metabolic process	PI00043; PI02798					218	25,6	6,24
116325999	glutathione S-transferase A3 [Mus musculus]	51,42	10,86	1	1	4	9 activity; protein binding cytoplasm nent; metabolic process	PI00043; PI02798					221	25,3	8,73
429484484	peroxisomal acyl-coenzyme A oxidase 1 isoform 2 [Mus musculus]	50,99	4,39	2	3	3	3 binding; protein binding mbrane; mitochondrion al process; reproduction	PI01756					661	74,6	8,48
6996911	argininosuccinate synthase [Mus musculus]	47,94	5,83	1	3	3	3 le binding; RNA binding drion; nucleus; vacuole is; response to stimulus	PI00764; PI03054; PI06508					412	46,6	8,22
23956126	uridine diphosphate glucose pyrophosphatase [Mus musculus]	44,07	2,70	3	1	1	1 tivity; metal ion binding cytoplasm metabolic process	PI00293					222	24,4	5,14
254028203	GPI inositol-deacylase [Mus musculus]	37,56	0,65	3	1	1	1 catalytic activity ic reticulum; membrane ibolic process; transport	PI07819; PI12695					922	104,5	8,91
254281176	hydroxyacid oxidase 2 [Mus musculus]	34,41	1,98	2	1	1	1 binding; protein binding toplasm; mitochondrion esis; metabolic process	PI00478; PI01070; PI01645					353	38,7	7,64
9506379	allograft inflammatory factor 1 [Mus musculus]	30,18	4,08	3	1	1	1 binding; protein binding ot; membrane; nucleus ie to stimulus; transport						147	16,9	8,76
240120112	fumarylacetoacetase [Mus musculus]	24,82	3,10	1	1	1	1 tivity; metal ion binding extracellular metabolic process	PI01557; PI09298					419	46,1	7,18
6678509	uricase [Mus musculus]	0,00	4,62	1	1	2	3 catalytic activity toplasm; mitochondrion metabolic process	PI01014					303	35,0	8,35
145864463	UDP-glucuronosyltransferase 1-9 precursor [Mus musculus]	0,00	2,08	8	1	1	1 activity; protein binding ic reticulum; membrane is; response to stimulus	PI00201; PI04101					528	60,0	8,35
153945788	phosphorylase b kinase regulatory subunit alpha, skeletal muscle [Mus musculus]	0,00	0,59	4	1	1	1 activity; protein binding cytoplasm; membrane metabolic process	PI00723					1182	132,2	5,54
26986583	colloid-coil and C2 domain-containing protein 2A [Mus musculus]	0,00	1,10	1	1	1	1 protein binding cytoplasm; cytoskeleton is; response to stimulus						1633	187,4	6,83
22122345	tetraspanin-14 [Mus musculus]	0,00	4,07	1	1	1	1 protein binding cell surface; membrane is; response to stimulus	PI00335					270	30,7	6,51
119226253	semaphorin-5A precursor [Mus musculus]	0,00	1,12	1	1	1	1 gnal transducer activity mbrane ie to stimulus; transport	PI00090; PI01403; PI01437					1074	120,2	7,06
256773174	calcium homeostasis modulator protein 2 [Mus musculus]	0,00	5,26	1	1	1	1 transporter activity mbrane transport						323	35,8	8,28