Mass spectrometry raw data - QStar

						J2						J4						J7					
Group	AC	ID	MW	pI	Description	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS
1	Q99376	TFR1_RAT	70336.69	6.16	Transferrin receptor protein 1 (Fragment)	e2 (e8, e1, e10,	4510.94	51	41	65	760	e2 (e8, e1, e6, e	1361.79	38	33	52.6	278	e1 (e2, e6, e4, e	500.82	22	21	37.5	120
2	P02091	HBB1_RAT	16083.29	7.88	Hemoglobin subunit beta-1	e9 (e8, e2, e1, e	1425.4	17	15	95.2	334	e9 (e8, e2, e1, e	1223.72	15	14	84.4	292	e9 (e8, e2, e1, e	3321.35	28	23	96.6	726
3	P11517	HBB2_RAT	16086.34	8.91	Hemoglobin subunit beta-2	e9 (e8, e2, e1, e	1047.23	16	14	85	236	e9 (e8, e7, e10,	965.24	14	13	74.1	165	e9 (e8, e2, e1, e	2482.67	22	18	85	599
4	P11442	CLH_RAT	193187.23	5.5	Clathrin heavy chain 1	e1 (e2, e4, e3, e	760.28	31	30	26.6	63	e1 (e2, e4, e3, e	1070.27	47	47	39.5	122	e1 (e2, e6, e4, e	2402.45	90	83	59.9	279
5	Q02759	LX12L_RAT	76369.38	6.15	Arachidonate 12-lipoxygenase, leukocyte-type	e1 (e8, e2, e6, e	636.28	24	24	45.1	102	e1 (e2, e4, e9, e	470.39	20	20	40.3	85	e5 (e8, e2, e1, e	1503.98	54	44	68.9	405
6	Q6PDU6	Q6PDU6_RAT	16084.25	6.75	Beta-glo	e9 (e8, e2, e1, e	467.27	11	10	58.5	174	e9 (e8, e2, e1, e	530.72	12	11	77.6	159	e9 (e8, e2, e1, e	1490.48	20	16	93.2	405
7	P63018	HSP7C_RAT	71055.3	5.37	Heat shock cognate 71 kDa protein	e5 (e2, e1, e6, e	1425.62	42	37	56.7	202	e5 (e2, e1, e6, e	987.13	37	34	52	143	e5 (e2, e1, e4, e	822.09	31	30	46.3	72
8	P01946	HBA_RAT	15489.83	7.82	Hemoglobin subunit alpha-1/2	e9 (e8, e2, e1, e	1096.24	11	10	71.8	259	e9 (e8, e2, e1, e	803.71	11	10	71.8	205	e9 (e8, e2, e1, e	1254.92	14	12	92.3	317
9	Q62667	MVP_RAT	96081.21	5.43	Major vault protein	e4 (e1, e5)	322.41	15	15	23.6	20	e4 (e1, e5)	382.66	18	18	23.2	24	e4 (e2, e1, e6, e	1174.63	50	47	63.9	71
10	P23562	B3AT_RAT	103392.12	5.28	Band 3 anion transport protein	e4 (e8, e2, e1, e	938.4	29	28	39.3	196	e4 (e1, e8, e2, e	1047.93	31	30	38.8	281	e4 (e2, e1, e8, e	921.29	34	33	44.9	200
11	P14480	FIBB_RAT	54827.92	7.9	Fibrinogen beta chain	e6 (e7, e5)	1086.89	43	39	70.6	88												
12	P12346	TRFE_RAT	78512.46	7.14	Serotransferrin	e5 (e2, e1, e6, e	1432.16	42	41	58.5	135	e5	259.2	14	14	16.4	15	e5	46.69	5	5	6.9	5
13	Q8R2H2	Q8R2H2_RAT	90065.88	5.25	Integrin beta	e4 (e5)	735	27	26	40.5	34	e4 (e5)	922.78	40	38	53.2	57	e4	421.63	22	22	27.3	22
14	P05197	EF2_RAT	96192.24	6.41	Elongation factor 2	e1 (e2, e6, e4, e	185.84	10	10	21.2	39	e1 (e2, e3)	88.42	8	8	11.4	22	e4 (e2, e1, e6, e	473.83	38	35	40.9	100
15	P25286	VPP1_RAT	97063.43	6.04	V-type proton ATPase 116 kDa subunit a isofor	e4 (e8, e2, e1, e	753.27	37	35	39.4	125	e3 (e2, e1, e4)	356.37	24	24	26.7	59	e3	60.58	6	6	6.6	6
16	Q6XDA1	Q6XDA1_RAT	277705.41	4.95	Erythroid spectrin alpha							e1 (e2)	106.72	7	7	5.2	16	e2 (e1)	610.03	40	39	20.9	68
17	Q5BKE5	Q5BKE5_RAT	53558.86	8.94	RGD1565355 protein	e5	705.72	24	23	40	39	e5 (e6)	433.16	18	17	28	28	e5 (e4)	298.06	13	12	21.2	19
18	Q00715	H2B1_RAT	13981.6	10.36	Histone H2B type 1	e10 (e9)	630.58	8	7	47.2	45	e10 (e9)	628.72	9	7	47.2	33	e10	279.69	6	5	40.8	12
19	P63259	ACTG_RAT	42107.92	5.31	Actin, cytoplasmic 2	e7 (e8, e2, e1, e	829.48	32	25	67.7	157	e7 (e8, e2, e1, e	518.12	23	22	61.3	111	e7 (e8, e2, e1, e	622.81	28	23	64.8	102
20	O88752	O88752_RAT	16151.49	7.9	Epsilon 1 globin													e7 (e10, e4, e9,	689.56	2	2	15.6	115
21	Q07969	CD36_RAT	53267.51	8.79	Platelet glycoprotein 4	e5 (e6, e7, e4)	732.76	22	21	41.9	55	e5 (e4)	432	16	15	36	31						
22	P0C169	H2A1C_RAT	14096.94	11.05	Histone H2A type 1-C	e10 (e9)	365.74	6	6	63.8	40	e10 (e9)	329.63	9	9	46.9	41	e10	211.75	4	4	33.1	14
23	Q7M075	Q7M075_9MUR	114006.99	5.65	Glycoprotein IIb	e4 (e3, e5)	579.71	19	19	23.5	29	e4 (e8, e1, e3)	826.08	27	26	29.4	56	e4 (e8)	255.26	14	14	16	15
24	P04797	G3P_RAT	36090.27	8.14	Glyceraldehyde-3-phosphate dehydrogenase	e8 (e2, e1, e3)	143.59	14	13	43.2	20	e8	168.52	10	10	37.8	11	e8 (e6, e7, e4, e	540.18	27	21	65.8	55
25	Q6XDA0	Q6XDA0_RAT	246973.98	5.18	Erythroid spectrin beta													e1 (e2)	433.64	27	27	16.2	56
26	Q6LED0	H31_RAT	15508.53	11.13	Histone H3.1	e10 (e9)	157.12	11	9	33.8	32	e10 (e9)	137.78	12	10	33.8	23	e10	120.87	9	8	30.9	14
27	P02680	FIBG_RAT	51227.71	5.62	Fibrinogen gamma chain	e4 (e8, e2, e1, e	674	25	21	41.8	83	e5 (e4)	61.81	2	2	7.4	5						
28	Q5XI04	Q5XI04_RAT	31529.57	6.54	Stomatin	e9 (e8, e6)	544.68	17	13	51.4	37	e9 (e8, e7)	606.47	17	13	51.4	38	e9 (e8)	492.56	17	14	59.9	27
29	Q62812	MYH9_RAT	227565.9	5.49	Myosin-9	e1 (e3)	200.49	9	9	5.4	17	e1 (e2, e4, e3)	404.32	24	24	15.2	56	e1	138.51	11	11	5.6	12
30	Q794F9	4F2_RAT	58150.15	5.19	4F2 cell-surface antigen heavy chain	e5 (e2, e1, e6, e	603.88	19	19	42.5	61	e5 (e2, e1, e4, e	480.45	16	16	36.1	66	e5 (e4, e3)	351.37	14	14	31.7	33
31	P63039	CH60_RAT	61088.45	5.91	60 kDa heat shock protein, mitochondrial	e6 (e1)	444.65	20	18	33.9	35	e2 (e1, e3)	203.15	9	9	18.8	29	e6	177.54	8	6	13.4	12
32	P97532	THTM_RAT	33204.55	5.88	3-mercaptopyruvate sulfurtransferase	e8	111.18	6	6	24.9	6	e8	89.68	7	7	25.6	7	e8 (e2, e6, e7, e	484.82	18	18	62.3	41
33	Q5RKL5	STEA3_RAT	55095.01	9.33	Metalloreductase STEAP3	e6 (e8, e2, e1, e	750.92	22	20	44.3	101	e1	67.96	1	1	2.3	1						
34	Q31257	Q31257_RAT	39506.51	5.64	RT1.A1(F) protein (Fragment)	e7 (e8, e1, e6, e	531.94	20	20	45.8	112	e7 (e8, e5)	431.35	16	16	40.8	51	e7 (e8, e6)	199.51	6	6	18.4	18
35	P04762	CATA_RAT	60061.61	7.07	Catalase	e6 (e2, e1)	170.49	6	5	11	9	e2 (e1)	59.31	2	2	4.9	5	e6 (e2, e1, e7, e	399.83	22	21	49.3	72
36	P10719	ATPB_RAT	56318.48	5.19	ATP synthase subunit beta, mitochondrial	e7 (e6)	392.57	15	13	31.8	24	e7	514.99	19	17	38	22	e6 (e8, e7)	514.87	21	17	41	41
37	P62630	EF1A1_RAT	50424.23	9.1	Elongation factor 1-alpha 1	e1 (e8, e6, e7, e	210.21	6	6	19.9	29	e7 (e2, e1, e4, e	188.31	10	10	25.5	27	e7 (e8, e2, e1, e	459.88	17	15	37.7	64
38	B0BN55	B0BN55_RAT	40841.96	6.1	Uroporphyrinogen decarboxylase	e1	84.53	1	1	6	1							e8 (e1, e6, e7, e	383.65	18	15	47.1	47
39	Q68FR6	EF1G_RAT	50371.29	6.31	Elongation factor 1-gamma	e7	43.58	2	2	4.6	2							e7 (e2, e6, e5)	306.16	17	17	34.3	34
40	P04636	MDHM_RAT	36116.99	8.93	Malate dehydrogenase, mitochondrial	e8	351.75	20	19	63.3	20	e8	376.56	18	18	61.2	18	e8	351.2	16	16	51.8	17
41	P27653	C1TC_RAT	101616.24	7.05	C-1-tetrahydrofolate synthase, cytoplasmic													e4 (e2, e1, e3)	397.53	19	19	25	61
42	P62828	RAN_RAT	24578.68	7.01	GTP-binding nuclear protein Ran							e9	81.31	3	3	14.4	3	e9 (e8, e6, e7, e	273.51	15	15	56.5	41
43	Q7TQ70	Q7TQ70_RAT	87344.2	5.52	Ac1873	e9 (e8, e10)	345.77	19	17	18.8	41												
44	Q5RKI1	IF4A2_RAT	46600.86	5.33	Eukaryotic initiation factor 4A-II	e7	92.87	6	6	16.5	6	e7	97.52	6	6	15	6	e7 (e6)	296.01	17	16	32.9	22
45	O35509	RB11B_RAT	24587.53	5.64	Ras-related protein Rab-11B	e9 (e8, e10)	532.07	16	15	67.4	24	e9	393.64	15	15	67.4	17	e9	89.28	6	6	29.4	6
46	P82995	HS90A_RAT	85160.93	4.93	Heat shock protein HSP 90-alpha													e4 (e1, e3, e5)	325.57	17	17	22.1	48
47	P15999	ATPA_RAT	59830.66	9.22	ATP synthase subunit alpha, mitochondrial	e6 (e2)	443.76	17	17	36.9	18	e1	83.27	2	2	6.9	2	e6 (e1)	232.71	7	7	19.3	9
48	Q63570	PRS6B_RAT	47492.63	5.09	26S protease regulatory subunit 6B													e7	312.65	15	14	42.3	17
49	P63102	1433Z_RAT	27924.81	4.73	14-3-3 protein zeta/delta	e9 (e8)	201.63	11	10	37.6	20	e9 (e8)	364.93	15	12	46.5	23	e9	86.98	6	6	27.8	6
50	P49134	ITB1_RAT	91686.66	5.77	Integrin beta-1	e3	295.39	14	14	20.7	15	e3	389.56	16	16	22.9	17						
51	P0C0S7	H2AZ_RAT	13544.55	10.58	Histone H2A.Z	e10	110.3	5	5	38.3	17												
52	Q9Z1J7	Q9Z1J7_RAT	57630.4	7.44	Sodium-dependent neutral amino acid transport	e5 (e2, e1, e6, e	572.92	10	10	25.8	51	e5 (e2, e1, e4, e	508.75	11	11	26.2	48	e5 (e2, e1, e4, e	193.94	6	6	16	20
53	P04764	ENOA_RAT	47440.37	6.16	Alpha-enolase	e7	90.61	5	5	9.9	5	e7	108.26	8	8	23	8	e7	244.81	15	15	49.3	16
54	B0K031	B0K031_RAT	30351.05	10.87	RCG30479, isoform CRA_b	e8	121.55	16	16	49.6	16	e8	54.35	9	9	31.5	10						
55	P09527	RAB7A_RAT	23773.96	6.4	Ras-related protein Rab-7a	e9 (e8, e10)	330.9	14	14	75.8	23	e9 (e8)	250.55	9	9	44.4	12						
56	Q5XI77	Q5XI77_RAT	54467.97	7.53	Annexin A11	e6 (e8, e7)	501.27	15	15	30.4	25												
57	Q5U300	UBA1_RAT	118910.43	5.36	Ubiquitin-like modifier-activating enzyme 1	e1	54.48	1	1	2.2	1							e2 (e1, e3)	282.44	15	15	21.2	32
59	P61107	RAB14_RAT	24140.02	5.85	Ras-related protein Rab-14	e9 (e8, e1, e10)	462.86	15	14	77.7	25	e9	352.62	13	12	65.6	14	e9	139.17	5	5	30.7	5
60	P35280	RAB8A_RAT	23824.25	9.15	Ras-related protein Rab-8A	e9	222.07	12	12	47.8	12	e9	236.74	14	13	53.6	15	e9	125.62	5	5	24.2	5
61	P04937	FINC_RAT	275990.13	5.5	Fibronectin	e1 (e2)	129.92	14	14	7.1	24	e1 (e2)	211.5	13	13	5.6	16						
62	Q6NYB7	RAB1A_RAT	22891.47	5.93	Ras-related protein Rab-1A	e9 (e8, e6, e10)	251.61	11	11	56.7	34	e9	293	13	13	53.2	15						
63	O08700	VPS45_RAT	65251.94	8.42	Vacuolar protein sorting-associated protein 45	e6 (e1, e5)	277.44	14	13	20.4	19												
64	Q2TL32	UBR4_RAT	580497.98	5.73	E3 ubiquitin-protein ligase UBR4													e1	210.2	14	14	4.3	14
65	Q09073	ADT2_RAT	33108.23	9.74	ADP/ATP translocase 2	e8 (e6, e9)	210.34	13	13	38.9	19	e8 (e1, e9)	180.06	12	12	36.9	24	e8	65.87	4	4	12.4	4
66	B0BNK1	B0BNK1_RAT	23638.85	8.64	RCG32615, isoform CRA_a	e9	373.21	12	11	65.7	14	e9	254.42	10	9	45.8	11						
67	Q5XIM9	TCPB_RAT	57764.26	6.01	T-complex protein 1 subunit beta	e1 (e6)	87.01	3	3	12	7	e1 (e2)	71.26	4	4	14	8	e6 (e2, e1, e3, e	340.74	13	13	34	48
68	B5DF65	B5DF65_RAT	22194.38	6.29	Biliverdin reductase B (Flavin reductase (NADP	e9	68.7	3	3	19.9	3	e9	78.36	3	3	20.4	3	e9 (e8, e2, e1, e	305.8	11	10	73.8	27
69	O88775	EMB_RAT	37437.69	5.22	Embigin	e5 (e4)	417.35	11	10	31.7	23	e5 (e4)	308.66	9	8	27.4	18	e5 (e4)	161.69	7	7	23.5	15
70	Q68FR9	Q68FR9_RAT	72653.43	6.11	Eukaryotic translation elongation factor 1 delta (Guanine nucleotide exchange protein)													e8	241.76	13	12	18.2	13
71	O70257	STX7_RAT	29946.38	5.32	Syntaxin-7	e7 (e8, e1)	373.79	10	10	43.7	26	e8 (e7)	274.95	10	10	43.7	16	e8	131.36	4	4	17.6	4
72	Q5XIH7	PHB2_RAT	33291.91	9.83	Prohibitin-2	e8	268.59	12	12	41.1	12	e8	324.77	13	13	43.5	13	e8	114.96	4	4	13	4
73	Q9Z2L0	VDAC1_RAT	30850.62	8.62	Voltage-dependent anion-selective channel prot	e8	288.95	10	10	35.3	11	e8	277.97	11	11	39.2	13	e8	52.7	1	1	3.5	1
74	Q6P6G4	Q6P6G4_RAT	30228.79	6.81	Phosphoglycerate mutase							e9	94.27	3	3	15.9	3	e9	261.87	13	13	56.2	13
75	P35213	1433B_RAT	28150.88	4.81	14-3-3 protein beta/alpha							e9	161.32	11	9	37.8	13	e9	128.1	7	7	30.5	8
76	P15865	H12_RAT	21974.04	11.1	Histone H1.2	e9 (e8, e10)	327.6	8	8	27.9	28	e9 (e8, e10)	320.87	7	7	24.7	23						
77	Q6TXE9	Q6TXE9_RAT	168557.58	7.44	LRRGT00050													e1	207.59	12	12	10.2	12
78	Q63910	Q63910_RAT	15572.01	7.96	Alpha globin													e9 (e8, e2, e1, e	195.74	10	10	64.1	40
79	P53987	MOT1_RAT	53830.64	8.62	Monocarboxylate transporter 1	e7 (e8, e2, e1, e	224.7	8	8	17.2	36	e7 (e8, e2, e1, e	259.71	10	9	19.2	30	e7 (e2, e3)	222.41	7	7	12.8	11
80	Q5XIU5	PSMF1_RAT	30006.94	5.08	Proteasome inhibitor PI31 subunit													e8	125.83	11	10	38.4	12
81	P63025	VAMP3_RAT	11587.03	8.68	Vesicle-associated membrane protein 3	e10 (e8, e2, e7,	506.61	9	7	55.3	24	e10	194.78	6	6	55.3	6	e10	84.07	3	3	23.3	3
82	Q62935	VWF_RAT	48394.18	6.27	von Willebrand factor (Fragment)	e1 (e2)	431.58	12	12	39.1	19	e1	255.49	10	10	28.6	10						
83	C0JPT7	C0JPT7_RAT	283056.6	5.68	Filamin alpha	e2 (e4)	83.97	6	6	2.7	11	e4 (e1)	67.23	5	5	2.8	17						

84	P06761	GRP78_RAT	72473.49	5.07	78 kDa glucose-regulated protein	e9	61.71	2	2	2.6	2	e5 (e8, e9)	224.7	11	11	17.1	19						
85	P58200	VTI1B_RAT	26687.12	9.04	Vesicle transport through interaction with t-SNA	e8 (e10, e9)	292.1	11	11	53.4	19	e8	87.74	5	5	24.6	7						
86	Q6PCU2	VATE1_RAT	26168.86	8.44	V-type proton ATPase subunit E 1	e8	182.63	12	10	33.6	12	e8	67.29	4	4	15.9	4						
87	P62425	RL7A_RAT	30148.09	10.61	60S ribosomal protein L7a	e8 (e9)	159.38	10	10	30.5	16												
88	P52296	IMB1_RAT	98373.49	4.66	Importin subunit beta-1													e2 (e1, e4, e3)	274.8	11	10	14.1	32
89	Q68FQ0	TCPE_RAT	59954.95	5.51	T-complex protein 1 subunit epsilon													e6 (e2, e1, e5)	138.93	10	10	22.9	23
90	Q4FZT9	PSMD2_RAT	100921.97	5.08	26S proteasome non-ATPase regulatory subunit 2													e4 (e2, e1, e3, e	157.47	10	10	14.3	28
91	Q6P9T8	TBB2C_RAT	50225.16	4.79	Tubulin beta-2C chain	e6 (e8)	94.35	2	2	7.2	5							e6 (e7)	346.73	11	10	36.2	13
92	Q3B7D0	HEM6_RAT	49816.78	8.8	Coproporphyrinogen-III oxidase, mitochondrial	e7 (e8, e1, e6)	186.48	6	5	14.4	18	e1 (e8, e2, e7, e	160.5	4	4	11.5	19	e8 (e6, e7)	149.59	10	9	23.9	18
93	P62198	PRS8_RAT	45768.12	7.11	26S protease regulatory subunit 8													e7	250.12	11	11	32.8	11
94	Q812C4	Q812C4_RAT	16441.43	5.11	Translation initiation factor 4A, isoform 1 (Fragment)													e7	171.82	10	9	60.1	11
95	B2RYN1	B2RYN1_RAT	34375.22	7.72	Fructosamine-3-kinase-related protein													e8	119.14	10	10	27.2	11
96	O70319	O70319_RAT	30562.67	5.44	Syntaxin 13	e8 (e7)	266.24	11	10	40.8	15	e8	176.82	6	6	30.7	6	e8	74.66	3	3	11.2	3
97	P85972	VINC_RAT	117112.49	5.83	Vinculin	e4	80.66	9	9	9.5	11	e4	56.44	9	9	9.3	9						
98	Q6AY41	CC50A_RAT	37263.13	8.98	Cell cycle control protein 50A	e6 (e5)	155.56	10	10	22.3	18												
99	Q498D4	Q498D4_RAT	163473.77	5.9	Tln1 protein	e1 (e7, e4)	158.75	7	7	11	15	e1 (e4)	112.74	10	10	12.7	12	e1	64.86	5	5	5.3	5
100	P50475	SYAC_RAT	69000.76	4.79	Alanyl-tRNA synthetase, cytoplasmic (Fragments)													e4 (e2, e3)	98.47	9	9	17	22
102	P60892	PRPS1_RAT	35325.12	6.51	Ribose-phosphate pyrophosphokinase 1													e8 (e6)	172.98	9	9	33	12
103	P97829	CD47_RAT	33486.98	8.91	Leukocyte surface antigen CD47	e7 (e6, e4)	118.49	7	6	16.2	17	e7 (e5)	75.79	6	6	16.2	8	e7 (e6)	63.89	2	2	5	3
104	P16617	PGK1_RAT	44909.14	8.02	Phosphoglycerate kinase 1	e7	132.91	7	7	29.5	7							e7	241.13	7	7	29.7	10
105	Q6PCT9	Q6PCT9_RAT	45854.31	5.39	Proteasome (Prosome, macropain) 26S subunit	e7	49.07	1	1	3.9	1	e7	62.34	1	1	3.9	1	e7	220.03	9	9	22.9	10
106	Q8VHF5	CISY_RAT	52175.59	8.53	Citrate synthase, mitochondrial	e7	144.05	7	7	13.9	8	e7	144.14	10	10	21.7	10	e7	119.46	9	9	18.2	10
107	O55158	O55158_RAT	26212.45	5.64	D6.1A protein	e8 (e7, e9)	112.76	7	6	26.4	17	e8 (e9)	101.89	4	4	14.5	8	e7 (e8)	59.43	1	1	4.3	4
108	P19945	RLA0_RAT	34364.86	5.91	60S acidic ribosomal protein P0	e8	126.93	5	5	26.5	5	e8	71.71	2	2	10.7	2	e8	240.09	10	10	37.9	10
109	Q5PPP1	Q5PPP1_RAT	23608.39	4.43	Clta protein	e8 (e10)	101.32	7	7	28.4	8	e8 (e10)	104.68	6	6	28.4	9	e8 (e10, e9)	188.13	10	10	38.1	23
110	P54921	SNAA_RAT	33627.42	5.3	Alpha-soluble NSF attachment protein	e8 (e1)	246.29	10	9	38.6	12	e8	70.05	3	3	17.3	3	e8	104.53	3	3	12.9	3
111	P04642	LDHA_RAT	36712.45	8.45	L-lactate dehydrogenase A chain	e8	184.63	10	10	31	10	e8	124.67	5	5	13.9	5	e8	104.48	5	5	14.8	5
112	P67779	PHB_RAT	29858.92	5.57	Prohibitin	e8 (e9)	164.53	10	10	42.3	13	e9 (e8)	258.03	7	7	33.1	15	e8	89.4	3	3	18	3
113	O88565	O88565_RAT	23827.88	8.32	RAB5A, member RAS oncogene family	e9 (e8)	343.62	10	10	54.4	12	e9	148.65	8	8	33.5	8	e9	86.05	4	4	18.1	4
114	P84083	ARF5_RAT	20630.62	6.3	ADP-ribosylation factor 5	e10 (e8, e9)	145.08	6	6	27.8	10	e10	161.89	6	6	42.2	6	e10	203.53	10	9	53.9	10
115	O70595	ABCB6_RAT	93815.84	8.54	ATP-binding cassette sub-family B member 6, r	e4 (e2, e1, e6, e	307.89	7	7	11	37	e4 (e2, e1)	124.79	3	3	6.3	9						
116	Q924W2	Q924W2_RAT	109700.71	6.53	Integrin alpha 6 subchain (Fragment)							e3 (e4)	152.96	10	10	10	11						
117	P27952	RS2_RAT	31496.77	10.25	40S ribosomal protein S2	e8	128.66	10	10	32.1	10	e8	139.5	8	8	31.2	8						
118	P68511	1433F_RAT	28365.09	4.81	14-3-3 protein eta	e9	95.96	8	7	26.4	8	e9	171.97	8	7	28.5	10						
119	O35763	MOES_RAT	67867.85	6.16	Moesin	e5	97.34	9	9	16.8	10												
120	Q5U211	SNX3_RAT	18807.78	8.71	Sorting nexin-3	e10	216.54	10	10	54.3	10												
121	P62989	UBIQ_RAT	8559.62	6.56	Ubiquitin	e7 (e8, e2, e1, e	118.78	7	6	72.4	51	e2 (e8, e1, e7, e	107.09	6	6	33.3	38	e2 (e8, e1, e6, e	88.34	8	7	37.2	30
122	Q5XIF6	TBA4A_RAT	50633.65	4.95	Tubulin alpha-4A chain	e1 (e2, e6)	199	5	5	16.7	16	e1 (e7)	198.29	8	8	25.2	20	e6 (e2, e1, e7, e	187.68	6	6	17.1	19
123	Q9Z2G8	NP1L1_RAT	45571.01	4.39	Nucleosome assembly protein 1-like 1													e6 (e2, e7, e5)	206.31	8	8	21.3	18
124	P29975	AQP1_RAT	29066.37	7.7	Aquaporin-1	e9 (e8, e1, e6, e	304.17	6	6	20.1	31	e9 (e8, e1, e7, e	343.18	6	6	19.7	27	e9 (e8, e6, e7, e	213.76	4	4	17.1	17
125	P19356	HEM3_RAT	39621.76	6.21	Porphobilinogen deaminase													e7	46.35	4	4	15.8	9
126	P35704	PRDX2_RAT	21941.13	5.34	Peroxiredoxin-2	e9 (e8, e10)	234.17	7	7	30.8	18	e9 (e8, e7, e10)	193.23	8	8	35.9	19	e8 (e10, e9)	158.37	5	5	21.2	17
127	Q8CG45	ARK72_RAT	41105.46	8.35	Aflatoxin B1 aldehyde reductase member 2													e8	87.65	9	9	22.6	9
128	P27139	CAH2_RAT	29266.66	6.89	Carbonic anhydrase 2	e9 (e8, e6)	133.83	9	9	39.2	16	e9 (e7)	118.95	6	6	30	8	e9 (e8, e10)	153.6	7	7	25.8	16
129	B0BNN3	CAH1_RAT	28339.26	6.86	Carbonic anhydrase 1	e9	144.81	7	6	30.3	7	e9	228.87	9	8	41	9	e9	118.98	6	6	23.8	6
130	Q7TP54	Q7TP54_RAT	145987.28	5.31	Ab2-162	e10 (e9)	295.19	9	7	8.2	14	e10	242.42	8	8	8.2	8	e10 (e9)	111.69	4	4	35.5	7
131	P47967	LEG5_RAT	16414.11	6.17	Galectin-5													e10	154.51	8	8	74.5	9
132	P62804	H4_RAT	11360.38	11.36	Histone H4	e10	223.44	8	7	59.2	9	e10	135.03	6	6	49.5	6	e10	57.7	3	3	29.1	5
133	P14562	LAMP1_RAT	44397.34	8.31	Lysosome-associated membrane glycoprotein 1	e4 (e6, e3)	225.35	9	9	18.4	16	e4 (e3)	93.46	4	4	9.1	6						
134	B2RYB8	B2RYB8_RAT	87955.34	7.24	Integrin beta	e4	53.43	2	2	3.1	2	e4	258.19	9	9	15	9						
135	A1L1J8	A1L1J8_RAT	23887.96	8.29	RAB5B, member RAS oncogene family	e9	230.62	9	8	42.8	9	e9	175.73	8	7	36.3	8						
136	P10111	PPIA_RAT	18090.89	8.34	Peptidyl-prolyl cis-trans isomerase A	e10 (e1)	154.2	7	6	28.7	8	e10	108.12	8	8	47.6	9						
137	P62815	VATB2_RAT	56856.98	5.57	V-type proton ATPase subunit B, brain isoform	e6	142.03	9	7	20.9	9												
138	Q6P6R2	DLDH_RAT	54574.28	7.96	Dihydrolipoyl dehydrogenase, mitochondrial	e6	87.47	8	7	17.7	9												
139	Q6IRF8	Q6IRF8_RAT	51185.24	5.27	ATPase, H+ transporting, lysosomal accessory	e7	56.36	7	7	10.2	9												
140	Q07936	ANXA2_RAT	38938.91	7.55	Annexin A2	e8	126.55	9	9	26.5	9												
141	Q04462	SYVC_RAT	141534.55	7.54	Valyl-tRNA synthetase													e1 (e2, e3)	162.45	8	8	11.1	18
142	Q7TPB1	TCPD_RAT	58575.96	8.24	T-complex protein 1 subunit delta	e6	49.54	4	4	6.3	4	e1 (e2)	63.98	4	4	7.6	5	e6 (e2, e1, e4, e	170.59	8	7	16.7	27
143	Q3MHS9	Q3MHS9_RAT	58436.84	6.63	Chaperonin containing Tcp1, subunit 6A (Zeta 1	e6	59.34	4	4	13.6	4							e6 (e2, e1, e5)	149.29	8	8	20.5	19
144	P18297	SPRE_RAT	28509.63	5.55	Sepiapterin reductase													e9 (e8, e1, e10)	257.03	7	6	29	13
145	P01026	CO3_RAT	187824.96	6.12	Complement C3							e2	51.38	3	3	1.5	3	e2 (e6, e7, e4, e	104.56	8	8	4.9	30
146	P46462	TERA_RAT	89976.99	5.14	Transitional endoplasmic reticulum ATPase													e4 (e3)	145.32	7	7	14.3	10
147	P05370	G6PD_RAT	59794.01	5.97	Glucose-6-phosphate 1-dehydrogenase													e6 (e5)	75.43	8	8	15.9	11
148	Q8R491	EHD3_RAT	60809.76	6.04	EH domain-containing protein 3													e6	131.58	8	8	18.5	8
149	Q641X8	EIF3E_RAT	52586.54	5.71	Eukaryotic translation initiation factor 3 subunit E													e7	68.29	5	5	9.2	8
150	P68255	1433T_RAT	28045.89	4.69	14-3-3 protein theta	e8	87.18	8	7	22.9	8							e7	67.15	7	7	28.6	7
151	P62260	1433E_RAT	29326.48	4.63	14-3-3 protein epsilon	e8	105.48	8	7	29.8	8	e9 (e8)	131.81	5	4	16.5	14	e8	66.67	7	6	27.1	7
152	P04041	GPX1_RAT	22463.37	7.7	Glutathione peroxidase 1	e9	88.05	2	2	11.4	2	e9	54.12	2	2	11.4	2	e9 (e8)	126.26	8	8	58.7	9
153	B0BNJ1	B0BNJ1_RAT	21952.39	5.54	LOC683667 protein	e10 (e9)	197.6	8	7	37.9	12	e10	117.95	3	3	16.7	3						
154	Q7TMA5	APOB_RAT	537740.44	7.05	Apolipoprotein B-100	e3 (e2, e1, e4)	96.83	7	7	1.2	25												
155	Q9EQG6	KDIS_RAT	197247.2	6.26	Kinase D-interacting substrate of 220 kDa	e1	48.92	6	6	3.4	8												
156	Q63635	STX6_RAT	29095.79	4.77	Syntaxin-6	e8	129.54	7	7	27.8	8												
157	Q1JU68	EIF3A_RAT	163496.04	6.38	Eukaryotic translation initiation factor 3 subunit A													e1 (e2)	112.19	7	7	6.4	12
158	Q6P502	TCPG_RAT	61178.57	6.23	T-complex protein 1 subunit gamma													e1	85.86	7	7	10.8	7
160	Q63569	PRS6A_RAT	49414.52	5.13	26S protease regulatory subunit 6A													e7 (e2)	152.78	6	5	16.2	11
161	Q5U2Q5	Q5U2Q5_RAT	91090.9	6.3	Ribonucleoside-diphosphate reductase													e3 (e2, e4, e5)	106.62	7	7	9.1	18
163	O88761	PSMD1_RAT	106707.05	5.25	26S proteasome non-ATPase regulatory subunit 1													e4	177.34	7	7	12.1	7
164	P30835	K6PL_RAT	86082.67	7.06	6-phosphofructokinase, liver type													e4 (e5)	114.15	6	6	8.8	13
165	P49088	ASNS_RAT	64775.7	6.01	Asparagine synthetase [glutamine-hydrolyzing]													e6	144.55	7	7	17.3	7
166	Q80ZA3	Q80ZA3_RAT	46493.21	6.04	Alpha-2 antiplasmin	e7	101.51	2	2	5	2	e7	95.22	1	1	3.3	1	e7	132.76	6	6	15.8	7
167	B5DEP6	B5DEP6_RAT	48280.37	6.1	Putative uncharacterized protein (Fragment)													e7	95.12	6	6	15.5	7
168	B0BN93	PSD13_RAT	43075.28	5.55	26S proteasome non-ATPase regulatory subunit 13													e7	91.85	7	7	20.7	7
169	P19139	CSK21_RAT	45158.85	7.29	Casein kinase II subunit alpha	e7	96.62	6	6	22	7							e7	76.09	5	5	16.6	7
170	P32551	QCR2_RAT	48423.2	9.16	Cytochrome b-c1 complex subunit 2, mitochond	e7	115.22	7	7	15.9	7	e7	104.6	7	7	15	7	e7	60.59	4	4	8.4	4
171	Q6AZ33	Q6AZ33_RAT	33657.57	5.97	Biliverdin reductase A													e8	213.38	7	7	25.8	7

172	Q6IRH6	Q6IRH6_RAT	40051.69	9.38	Slc25a3 protein	e8	143.84	7	6	16	7	e8	91.74	4	4	10.1	4	e8	73.57	3	3	7	3
173	Q9WTN5	TPC1_RAT	94800.01	8.71	Two pore calcium channel protein 1	e3	88.67	7	7	7.2	7	e3	57.88	1	1	1.8	1						
174	Q6P6W1	Q6P6W1_RAT	45571.26	8.02	Lysosomal membrane glycoprotein 2	e4	61.24	4	4	11.2	7	e4	48.79	1	1	1.9	1						
175	P26453	BASI_RAT	42865.37	5.22	Basigin	e7	190.94	7	7	17.5	7	e7	130.95	6	6	14.9	6						
176	Q9R1Z0	VDAC3_RAT	31177.53	8.91	Voltage-dependent anion-selective channel prot	e8	155.42	7	7	26.5	7	e8 (e7)	142.31	5	5	19.4	6						
177	P35281	RAB10_RAT	23071.92	9.1	Ras-related protein Rab-10	e9	170.99	6	6	25.5	6	e9	159.38	6	6	24.5	7						
178	Q9Z0V6	PRDX3_RAT	28562.57	7.14	Thioredoxin-dependent peroxide reductase, mit	e9	144.5	5	5	27.2	5	e9	150.26	6	6	27.6	7						
179	P29314	RS9_RAT	22634.58	10.66	40S ribosomal protein S9	e9	114.36	7	7	29.9	7	e9	85.55	7	7	27.8	7						
180	Q99P74	RB27B_RAT	24832.36	5.38	Ras-related protein Rab-27B							e9	78.5	7	7	28	7						
181	Q64599	Q64599_RAT	24873.8	7.86	Hemiferrin	e5	117.27	6	6	22.7	7												
182	Q9JI92	SDCB1_RAT	32630.82	7.05	Syntenin-1	e5 (e8)	56.11	1	1	7.7	8												
183	Q66H28	TM206_RAT	40332.56	7.01	Transmembrane protein 206	e6	97.08	7	7	17.7	7												
184	P50279	STX2_RAT	33452.39	6.29	Syntaxin-2	e8	79.22	6	6	16.9	7												
185	P84079	ARF1_RAT	20740.69	6.32	ADP-ribosylation factor 1	e10	120.33	7	7	30.4	7												
186	Q71SA3	Q71SA3_RAT	133579.4	4.74	Thrombospondin 1	e1 (e9)	81.02	4	4	4.7	5	e1	134.92	6	6	4.9	6	e1	139.19	6	6	4.6	6
188	P15178	SYDC_RAT	57546.33	6.02	Aspartyl-tRNA synthetase, cytoplasmic													e6 (e1)	82.55	6	6	12.8	11
190	Q5I0G4	SYG_RAT	72668.6	5.76	Glycyl-tRNA synthetase (Fragment)													e5	198.64	5	5	11.6	6
191	Q9JJT1	Q9JJT1_RAT	54005.98	5.94	Glucocorticoid-attenuated response gene 16 product													e6 (e5)	150.55	6	6	15.6	10
192	P12928	KPYR_RAT	62503.65	6.45	Pyruvate kinase isozymes R/L													e6	134.29	6	6	12.5	6
193	Q6IN14	Q6IN14_RAT	30081.06	5.29	Cd82 molecule	e6 (e7, e4, e5)	88.57	6	6	19.2	16							e6	49.63	3	3	13.2	3
194	P68101	IF2A_RAT	36370.54	5.02	Eukaryotic translation initiation factor 2 subunit 1													e8	149.81	6	6	21.3	6
195	Q499R7	Q499R7_RAT	38222.96	6.42	Ppa1 protein (Fragment)													e8	141.67	6	6	18.7	6
196	B0BNE5	ESTD_RAT	31970.6	6.44	S-formylglutathione hydrolase													e8	93.67	6	6	29.1	6
197	O88989	MDHC_RAT	36631.11	6.16	Malate dehydrogenase, cytoplasmic													e8	87.02	5	5	13.2	6
198	Q32PX2	MCA2_RAT	35705.42	8.51	Multisynthetase complex auxiliary component p38													e8	72.36	5	5	16.3	6
199	Q62636	RAP1B_RAT	21012.67	5.65	Ras-related protein Rap-1b	e9 (e1, e10)	171.08	5	5	27.7	7	e9 (e1, e10)	178.93	6	6	33.2	11	e9 (e10)	78.17	3	3	25.5	4
200	Q7TQ88	Q7TQ88_RAT	15560.73	6.36	Ac1075 (Fragment)	e9 (e6)	116.26	6	6	36.5	7							e9	75.96	4	4	27	4
201	P27274	CD59_RAT	14465.24	8.9	CD59 glycoprotein	e10 (e9)	170.96	5	5	34.1	10	e10	163.7	5	5	34.1	5	e10	125.56	5	5	34.1	5
202	P84817	FIS1_RAT	17040.97	8.56	Mitochondrial fission 1 protein							e10	129.51	5	5	40.1	6	e10	91.35	2	2	17.1	3
203	Q6AXT5	RAB21_RAT	24547.32	8.11	Ras-related protein Rab-21	e9	164.49	6	6	34.1	6	e9 (e1)	77.74	5	5	26	7						
204	Q8CGU6	NICA_RAT	79034.69	5.51	Nicastrin	e3 (e4)	105.53	6	6	9.2	11	e3	80.11	3	3	4.4	3						
205	Q8K3F0	Q8K3F0_RAT	58818	5.95	Na+-dependent amino acid transporter ASCT2							e5	172.3	5	5	11.6	6						
206	P26051	CD44_RAT	56424.09	5.02	CD44 antigen	e5 (e6)	84.88	6	6	13.1	7	e5	80.44	4	4	6.4	4						
207	P10252	CD48_RAT	27890.29	7.67	CD48 antigen	e7 (e8)	105.26	5	5	23.8	8	e7	69.56	6	6	27.9	6						
208	Q6AY20	MPRD_RAT	31588.63	5.25	Cation-dependent mannose-6-phosphate recep	e7	153.71	6	6	22.7	6	e7	67.44	4	4	14	4						
209	Q06647	ATPO_RAT	23439.8	10.03	ATP synthase subunit O, mitochondrial	e9 (e10)	133.49	4	4	25.4	9	e9 (e10)	133.44	5	5	29.6	10						
210	P40241	CD9_RAT	25768.09	6.93	CD9 antigen	e9	128.42	6	6	20.4	6	e9	132.88	6	6	20.4	6						
211	Q9Z2Q7	STX8_RAT	27122.15	4.92	Syntaxin-8	e9 (e8)	187.03	6	6	31.8	8	e9	106	3	3	21.2	3						
212	P62271	RS18_RAT	17707.86	10.99	40S ribosomal protein S18	e10	69.9	6	6	26.3	6	e10	58.05	5	5	25	5						
213	P60522	GBRL2_RAT	13715.09	7.82	Gamma-aminobutyric acid receptor-associated	e10 (e8)	178.68	6	6	34.2	8	e10	45.39	4	4	34.2	4						
214	P27615	SCRB2_RAT	54512.52	4.91	Lysosome membrane protein 2	e5	75.11	5	5	12.1	6												
215	Q4R1A4	Q4R1A4_RAT	31120.33	4.81	TRK-fused gene protein	e6	107.7	6	6	22.7	6												
216	Q5U3X5	Q5U3X5_RAT	48455.56	6.64	Fgl2 protein (Fragment)	e6	79.08	6	6	14	6												
218	B0BNG3	B0BNG3_RAT	40709.33	6.46	Lman2 protein	e8	108.65	6	6	16.5	6												
219	P62909	RS3_RAT	26828.48	9.68	40S ribosomal protein S3	e8	87.48	6	6	21.4	6												
220	P21533	RL6_RAT	33597.96	10.74	60S ribosomal protein L6	e9 (e8)	56.38	5	5	13.4	10												
221	P97536	CAND1_RAT	137985.29	5.52	Cullin-associated NEDD8-dissociated protein 1													e1	104.26	4	4	4.5	5
222	Q63016	LAT1_RAT	56550.93	8.18	Large neutral amino acids transporter small sub	e3 (e8, e2, e6, e	215.44	5	5	9.8	18	e8 (e2, e7, e3)	146.92	3	3	8.4	12	e7 (e2, e4, e3)	106.04	2	2	5.3	9
223	B1WBX5	B1WBX5_RAT	67972.09	8.78	Solute carrier family 43, member 1	e5	48.16	2	2	3.1	2	e5 (e2, e4, e3)	149.66	5	5	12.2	13	e5 (e2)	56.13	3	3	4.6	6
224	Q5U2S7	Q5U2S7_RAT	60764.38	8.48	Proteasome (Prosome, macropain) 26S subunit, non-ATPase, 3													e6 (e4)	104.6	3	3	7.4	8
225	O54975	XPP1_RAT	70354.41	5.38	Xaa-Pro aminopeptidase 1													e5	63.57	5	5	8.3	5
226	Q5BK33	Q5BK33_RAT	51343.02	5.95	p55 protein	e1	57.11	2	2	6.9	2							e6	116.9	5	5	15.4	5
227	Q6IRJ7	Q6IRJ7_RAT	50272.45	5.91	Annexin A7	e7	73.06	4	4	8	4	e7	87.91	5	5	9.7	5	e7 (e8)	93.18	2	2	4.5	3
228	Q5M7U6	ARP2_RAT	44990.33	6.3	Actin-related protein 2													e7	70.4	5	5	11.2	5
229	P41498	PPAC_RAT	18595.99	6.08	Low molecular weight phosphotyrosine protein phosphatase													e10	94.03	5	4	22.8	5
230	P62278	RS13_RAT	17211.67	10.53	40S ribosomal protein S13	e10	105.03	5	5	29.1	5	e10	98.51	4	4	24.5	4	e10	49.11	1	1	9.9	1
231	P48037	ANXA6_RAT	76105.63	5.39	Annexin A6	e6 (e5)	77.62	5	5	10.7	8	e5	85.63	5	5	12.9	5						
232	Q5FVI6	VATC1_RAT	44043.99	7.02	V-type proton ATPase subunit C 1	e7	164.97	5	5	14.7	5	e7	48.31	2	2	5.2	2						
233	P62755	RS6_RAT	28834.05	10.85	40S ribosomal protein S6	e10	62.94	3	3	10.8	5	e10	54.03	3	3	9.2	4						
234	Q9EQX9	UBE2N_RAT	17169.98	6.13	Ubiquitin-conjugating enzyme E2 N	e10	112.29	5	5	33.6	5	e10	51.59	3	3	17.1	3						
235	Q64542	AT2B4_RAT	134093.51	6.17	Plasma membrane calcium-transporting ATPas	e1	95.98	5	5	7.6	5												
236	Q63632	S12A4_RAT	121690.27	6.22	Solute carrier family 12 member 4	e1	73.7	5	5	7.8	5												
237	Q9WTQ2	PODXL_RAT	52025.87	4.78	Podocalyxin	e4 (e3)	80.45	5	5	11.5	8												
238	P06399	FIBA_RAT	87373.2	5.51	Fibrinogen alpha chain	e6	89.78	5	5	7.7	5												
239	P09495	TPM4_RAT	28549.49	4.66	Tropomyosin alpha-4 chain	e8	49.61	5	5	17.7	5												
240	P14659	HSP72_RAT	69883.79	5.51	Heat shock-related 70 kDa protein 2	e9	79.05	5	5	6.5	5												
241	Q9WUF4	VAMP8_RAT	11370.12	8.93	Vesicle-associated membrane protein 8	e10	142.55	5	4	41	5												
242	P61354	RL27_RAT	15787.75	10.56	60S ribosomal protein L27	e10	89.21	5	5	27.9	5												
243	O35791	O35791_RAT	19958.87	4.89	RhoA (Fragment)	e10	44.04	5	5	28.2	5												
244	P28480	TCPA_RAT	60834.89	5.86	T-complex protein 1 subunit alpha													e6 (e2, e1, e3, e	80.59	4	4	9.4	17
245	Q5PPJ6	Q5PPJ6_RAT	135503.65	6.95	Leucyl-tRNA synthetase													e1	50.53	4	4	4.2	4
246	Q4QQT4	2AAB_RAT	66648.72	4.99	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform													e5 (e2, e6, e4, e	86.97	4	4	7.7	16
247	P18484	AP2A2_RAT	104891.43	6.51	AP-2 complex subunit alpha-2													e4	80.77	4	4	6.4	4
248	P13676	ACPH_RAT	82414.82	5.46	Acylamino-acid-releasing enzyme													e4 (e5)	66.03	1	1	2.5	5
249	Q6P799	SYSC_RAT	59064.01	5.86	Seryl-tRNA synthetase, cytoplasmic													e6	54.76	3	3	3.5	4
250	A0JPJ7	OLA1_RAT	44792.28	7.62	Obg-like ATPase 1													e7	119.36	4	4	9.3	4
251	Q4V7C7	ARP3_RAT	47783.14	5.61	Actin-related protein 3													e7	72.71	4	4	19.4	4
252	Q4G079	Q4G079_RAT	34951.13	8.52	Small inducible cytokine subfamily E, member 1													e8	113.41	4	4	16.2	4
253	P63331	PP2AA_RAT	36155.63	5.3	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform													e8	103.26	4	4	16.5	4
254	P38918	ARK73_RAT	37122.48	6.79	Aflatoxin B1 aldehyde reductase member 3													e8	78.85	4	4	11.6	4
255	Q4QQR9	MEMO1_RAT	34056.62	6.67	Protein MEMO1													e8	52.33	4	4	17.5	4
256	P85970	ARPC2_RAT	34483.57	6.84	Actin-related protein 2/3 complex subunit 2													e8	41.39	4	4	10.7	4
257	P00406	COX2_RAT	26096.14	4.6	Cytochrome c oxidase subunit 2	e9	97.67	4	4	19.4	4	e9	80.81	3	3	10.6	3	e9	84.3	4	3	15	4
258	P07632	SODC_RAT	16072.86	5.88	Superoxide dismutase [Cu-Zn]	e10	72.72	3	3	21.4	3	e10	34.92	2	2	13	2	e10	53.65	4	4	25.3	4
259	P12749	RL26_RAT	17266.57	10.63	60S ribosomal protein L26	e10	44.9	4	4	15.9	4	e10	43.5	3	3	15.9	3	e10	48.45	4	4	24.1	4

260	B2GV99	B2GV99_RAT	17173.2	4.56	Myl6 protein	e10	107.41	2	2	13.2	2	e10	78.3	4	3	23.7	4	e10	47.59	1	1	10.5	1
261	P06685	AT1A1_RAT	114293.36	5.3	Sodium/potassium-transporting ATPase subuni	e1	56.04	4	4	6.5	4	e1	62.19	2	2	2.9	2						
262	Q8VII6	CTL1_RAT	74582.72	9.01	Choline transporter-like protein 1	e6 (e2, e5)	145.24	4	4	7.9	9	e3 (e2, e5)	73.15	2	2	4.3	5						
263	P13838	LEUK_RAT	38402.31	4.92	Leukosialin (Fragment)	e4 (e6, e5)	113.46	3	3	12.2	6	e4 (e5)	116.93	4	4	14.3	6						
264	P05065	ALDOA_RAT	39783.45	8.31	Fructose-bisphosphate aldolase A	e7	78.26	3	3	12.6	3	e7	92.25	4	4	17.9	4						
265	Q07647	GTR3_RAT	54002.12	4.95	Solute carrier family 2, facilitated glucose transp	e6	46.35	2	2	3	2	e7	80.87	4	4	6.9	4						
266	Q9JJM7	GP1BB_RAT	22674.22	10.17	Platelet glycoprotein Ib beta chain	e9	53.81	3	3	17	3	e9 (e8, e7)	76.05	4	4	22.3	10						
267	Q8R478	WBP2_RAT	28226.53	5.94	WW domain-binding protein 2	e7 (e8)	97.11	3	3	11.5	7	e8	94.43	4	4	14.1	4						
268	P35435	ATPG_RAT	30228.74	8.87	ATP synthase subunit gamma, mitochondrial	e8	70.81	3	3	9.9	3	e8	48.79	4	4	13.6	4						
269	P31399	ATP5H_RAT	18808.62	6.17	ATP synthase subunit d, mitochondrial	e9	67.44	4	4	28	4	e9	95.06	4	4	23.6	4						
270	Q99P75	RAB9A_RAT	23166.32	5.43	Ras-related protein Rab-9A	e9	92.11	4	4	18.4	4	e9	64.37	1	1	5.5	1						
271	Q6P791	CK059_RAT	17823.83	4.88	UPF0404 protein C11orf59 homolog	e10	94.29	3	3	30.4	3	e10	126.42	4	4	34.8	4						
272	P19132	FRIH_RAT	21284.38	5.85	Ferritin heavy chain	e10	51.55	4	4	21.4	4	e10	56.36	2	2	10.1	2						
273	B0K038	B0K038_RAT	18073.96	10.21	Rps16 protein (Fragment)	e10	121.44	3	3	18.1	4	e10	49.58	1	1	6.3	1						
274	P35525	CLCN2_RAT	100177.05	9.01	Chloride channel protein 2	e1	58.36	4	4	5	4												
275	P62944	AP2B1_RAT	105398.38	5.22	AP-2 complex subunit beta-1	e1	53.2	4	4	5.7	4												
276	O35754	O35754_RAT	53471.5	8.79	Fatty acid transport protein	e3	54.62	4	4	8.1	4												
277	P62703	RS4X_RAT	29807.14	10.16	40S ribosomal protein S4, X isoform	e8 (e9)	51.87	4	4	12.9	7												
278	P62243	RS8_RAT	24475.27	10.32	40S ribosomal protein S8	e9	127.67	4	4	19.2	4												
279	Q0QEW8	Q0QEW8_RAT	18915.7	11.88	Ribosomal protein L18 (Fragment)	e9	109.41	4	4	25.5	4												
280	P41123	RL13_RAT	24351.47	11.54	60S ribosomal protein L13	e9	82.15	4	4	15.2	4												
281	B5DEM5	B5DEM5_RAT	23879.33	11.12	Rpl14 protein (RCG25732, isoform CRA_b)	e9	73.75	4	4	15.5	4												
282	P61314	RL15_RAT	24245.13	11.62	60S ribosomal protein L15	e9	51.22	4	4	20.1	4												
283	B2GUV5	B2GUV5_RAT	13816	6.75	ATPase, H transporting, lysosomal V1 subunit C	e10	134.41	4	4	45.8	4												
284	Q62625	MLP3B_RAT	16440.56	8.71	Microtubule-associated proteins 1A/1B light cha	e10	47.78	4	3	19.7	4												
285	P62193	PRS4_RAT	49324.76	5.87	26S protease regulatory subunit 4													e6 (e1)	100.16	3	3	11.6	4
286	Q498D2	Q498D2_RAT	45281.13	9.09	Eukaryotic translation initiation factor 3, subunit 6 interacting protein													e6 (e1)	96.1	3	3	7.9	4
287	P24090	FETUA_RAT	38756.51	6.05	Alpha-2-HS-glycoprotein							e2 (e3)	48.13	2	2	3.7	4	e4 (e3)	52.99	3	3	5.4	5
288	P49744	TSP4_RAT	110882.06	4.51	Thrombospondin-4													e3	47.64	2	2	2.3	3
289	Q4G061	EIF3B_RAT	91253.15	4.97	Eukaryotic translation initiation factor 3 subunit B													e4	71.42	3	3	3.4	3
290	Q3T1L0	A16A1_RAT	86159.01	5.77	Aldehyde dehydrogenase family 16 member A1													e4	51.29	3	2	3.5	3
291	Q6TUD1	Q6TUD1_RAT	57974.73	5.92	LRRGT00113													e6	75.27	3	3	6.3	3
292	B2RZ10	B2RZ10_RAT	38523.92	7.27	Mbip protein (Fragment)													e6	67.94	2	2	7.9	3
293	Q6P7B0	SYWC_RAT	54622.1	6.04	Tryptophanyl-tRNA synthetase, cytoplasmic													e6	60.66	3	3	7.7	3
294	P38983	RSSA_RAT	32917.47	4.8	40S ribosomal protein SA	e7 (e8)	108.48	3	3	12.2	6							e7	91.44	2	2	9.5	2
295	Q6P9U8	EIF3H_RAT	40051.11	6.2	Eukaryotic translation initiation factor 3 subunit H													e7	55.41	3	3	10.8	3
296	P06349	H1T_RAT	21712.23	11.78	Histone H1t													e8 (e10)	78.73	3	3	20.2	6
297	Q99MI5	Q99MI5_RAT	34545	5.41	Spermidine synthase													e8	73.58	3	3	10.3	3
298	P70566	TMOD2_RAT	39467.64	5.34	Tropomodulin-2							e9	51.49	3	3	6.8	3	e8	47.75	2	2	4	2
299	B2RYQ2	B2RYQ2_RAT	36878.76	5.88	Protein phosphatase 2A activator, regulatory subunit 4													e8	37.54	3	3	6.2	3
300	B5DFB6	B5DFB6_RAT	100354.82	9.09	Atxn2 protein (Fragment)													e9	48.66	3	3	2.4	3
301	Q8CFN2	CDC42_RAT	21587.15	6.15	Cell division control protein 42 homolog	e9	71.77	2	2	14.1	2	e9	51.6	1	1	5.2	1	e10	70.35	3	3	20.4	3
302	P83868	TEBP_RAT	18994.53	4.36	Prostaglandin E synthase 3													e10	52.45	3	3	21.3	3
303	P63326	RS10_RAT	18903.82	10.15	40S ribosomal protein S10							e10	55.11	3	3	15.8	3	e10	50.89	3	3	17.6	3
304	P62856	RS26_RAT	13292.19	11.01	40S ribosomal protein S26	e10	93.07	3	3	27	3	e10	69.88	3	3	27	3	e10	46.71	3	3	27	3
305	Q9QZA2	PDC6I_RAT	97140.71	6.15	Programmed cell death 6-interacting protein	e1	57.89	1	1	2.6	1	e1	72.2	3	3	4.7	3						
306	Q62884	Q62884_RAT	135161.42	5.37	Vascular protein tyrosine phosphatase 1							e2	45.27	3	3	3.1	3						
307	B5DF57	B5DF57_RAT	77422.3	6.83	Erythrocyte protein band 4.2 (Predicted)							e5	48.03	3	3	3.6	3						
308	Q63081	PDIA6_RAT	48542.46	5	Protein disulfide-isomerase A6	e7	82.16	3	3	8	3	e7 (e8)	76.02	2	2	6.6	5						
309	Q68FY0	QCR1_RAT	53499.66	5.57	Cytochrome b-c1 complex subunit 1, mitochondrial							e7	65.02	3	3	5.4	3						
310	Q91Y77	MOT10_RAT	56367.72	6.26	Monocarboxylate transporter 10	e6	50.93	3	3	6.2	3	e7	54.51	3	3	4.1	3						
311	P56574	IDHP_RAT	51391.06	8.88	Isocitrate dehydrogenase [NADP], mitochondrial							e7	52.11	3	3	7.3	3						
312	P19511	AT5F1_RAT	28964.52	9.39	ATP synthase subunit b, mitochondrial							e9	84.22	3	3	10.9	3						
313	P62919	RL8_RAT	28235.37	11.03	60S ribosomal protein L8	e9 (e8)	61.37	1	1	6.2	4	e9	59.11	1	1	6.2	1						
314	O70377	SNP23_RAT	23505.47	4.82	Synaptosomal-associated protein 23	e9	95.59	3	3	19	3	e9	55.58	3	3	16.7	3						
315	Q63584	TMEDA_RAT	25012.91	6.02	Transmembrane emp24 domain-containing pro	e10	73.46	2	2	8.2	2	e10	117.97	3	3	13.7	3						
316	P35434	ATPD_RAT	17584.17	5.16	ATP synthase subunit delta, mitochondrial	e10	48.31	1	1	5.4	1	e10	115.69	3	3	17.3	3						
317	P62161	CALM_RAT	16826.83	4.09	Calmodulin	e10	113.28	2	2	20.1	2	e10	88.29	3	3	24.8	3						
318	Q7M767	UB2V2_RAT	16399.23	7.79	Ubiquitin-conjugating enzyme E2 variant 2	e10	80	3	3	16.6	3	e10	77.99	2	2	13.1	2						
319	Q4AEG0	Q4AEG0_RAT	21428.72	5.89	Glycoprotein 9	e10	54.41	1	1	6.9	1	e10	75.28	2	2	15.9	3						
320	P60868	RS20_RAT	13478.35	9.95	40S ribosomal protein S20	e10	55.04	3	3	24.4	3	e10	50.02	1	1	9.2	1						
321	P62282	RS11_RAT	18590.06	10.31	40S ribosomal protein S11							e10	40.75	3	3	11.4	3						
322	P15429	ENOB_RAT	47326.45	7.08	Beta-enolase	e2	54.78	3	3	10.6	3												
323	Q2I6B0	Q2I6B0_RAT	93850.11	6.02	V-H+ATPase subunit a3	e3	54.63	3	3	4.2	3												
324	P51792	CLCN3_RAT	91822.55	5.88	H(+)/Cl(-) exchange transporter 3	e3	48.91	3	3	2.8	3												
325	O54902	NRAM2_RAT	62806.55	5.42	Natural resistance-associated macrophage prot	e5 (e4, e3)	66.41	3	3	4.8	8												
326	Q9Z1P2	ACTN1_RAT	103465.79	5.23	Alpha-actinin-1	e4	58.58	2	2	3.7	3												
327	P51794	CLCN4_RAT	84559.43	6.43	H(+)/Cl(-) exchange transporter 4	e4	56.24	3	3	3.9	3												
328	Q5XIL1	Q5XIL1_RAT	51339.81	6.25	ATPase, H+ transporting, lysosomal V1 subunit	e6	53.35	3	3	12	3												
329	Q5XIL2	P4K2B_RAT	54999.85	6.4	Phosphatidylinositol 4-kinase type 2-beta	e6	51.22	3	3	9	3												
330	Q4QQU9	Q4QQU9_RAT	38683.35	7.44	Osteopetrosis associated transmembrane prote	e7	70.73	3	3	9.8	3												
331	Q6LAL6	Q6LAL6_RAT	20247.28	9.25	NAD(P)(+)--arginine ADP-ribosyltransferase (Fr	e7	50.93	3	3	17.5	3												
332	Q6Q7Y5	Q6Q7Y5_RAT	44325.89	8.41	Galpha13	e7	50.93	3	3	5.3	3												
333	P06214	HEM2_RAT	36464.56	6.32	Delta-aminolevulinic acid dehydratase	e8	79.5	3	3	10	3												
334	P63245	GBLP_RAT	35510.73	7.6	Guanine nucleotide-binding protein subunit beta	e8	56.19	3	3	12	3												
335	P84100	RL19_RAT	23565.29	11.48	60S ribosomal protein L19	e9	85.81	3	3	13.3	3												
336	Q3B7U7	Q3B7U7_RAT	41682.61	6.02	Tln1 protein (Fragment)	e9	51.22	3	3	10.4	3												
337	P35427	RL13A_RAT	23575.43	11.02	60S ribosomal protein L13a	e9	48.18	3	3	9.4	3												
338	P11250	RL34_RAT	13612.77	11.66	60S ribosomal protein L34	e10	47.67	3	3	13.7	3												
340	P05708	HXK1_RAT	103539.56	6.29	Hexokinase-1	e1	49.88	2	2	2.8	2							e4	52.67	2	2	2.4	2
341	Q498S9	Q498S9_RAT	63094.53	7.79	LOC498793 protein (Fragment)													e5	96.21	2	2	4.6	2
342	Q6DGF2	Q6DGF2_RAT	52221.56	5.88	Enthoprotin							e5	47.08	2	2	4.9	2	e5	47.17	1	1	3	1
343	Q505J8	SYFA_RAT	57797.78	8.28	Phenylalanyl-tRNA synthetase alpha chain													e6	58.67	2	2	4.9	2
344	Q9WTT6	GUAD_RAT	51553.97	5.56	Guanine deaminase							e7	51.18	2	2	8.8	2	e7	104.53	2	2	7.3	2
345	Q99PD4	ARC1A_RAT	42142.89	8.46	Actin-related protein 2/3 complex subunit 1A													e7	80.82	2	2	7.8	2

346	Q5HZV9	PP1R7_RAT	41385.49	4.84	Protein phosphatase 1 regulatory subunit 7													e7	78.93	2	2	8.3	2
347	Q5XIR9	UBAC1_RAT	45746.16	4.85	Ubiquitin-associated domain-containing protein 1													e7	64.88	2	2	5.4	2
348	P50399	GDIB_RAT	51017.88	5.93	Rab GDP dissociation inhibitor beta													e7	57.72	2	2	6.7	2
349	P54311	GBB1_RAT	38151.31	5.6	Guanine nucleotide-binding protein G(I)/G(S)/G	e8	71.79	2	2	5.9	2							e8	70.14	2	2	5.9	2
350	B5DEN5	B5DEN5_RAT	24831.35	4.55	Eukaryotic translation elongation factor 1 beta 2 (RCG22471, isoform CRA_b)													e8	62.01	2	2	9.8	2
351	O88298	O88298_RAT	46951.5	9.19	Rh blood group protein							e8	52.05	1	1	2.6	1	e8	57.63	2	2	6.9	2
352	O35796	C1QBP_RAT	31319.65	4.77	Complement component 1 Q subcomponent-binding protein, mitochondrial							e8	73.91	2	2	12.2	2	e8	53.07	2	2	12.2	2
353	Q7TPK2	Q7TPK2_RAT	238307.95	5.41	Ac2-120													e8	49.74	2	2	1	2
354	P27605	HPRT_RAT	24689.62	6.07	Hypoxanthine-guanine phosphoribosyltransferase													e9	101.07	2	2	10.6	2
355	Q3T1J1	IF5A1_RAT	17049.49	5.08	Eukaryotic translation initiation factor 5A-1													e10	52.99	2	2	10.4	2
356	B2GV73	B2GV73_RAT	20750.42	8.78	Actin related protein 2/3 complex, subunit 3													e10	50.3	2	2	13.5	2
357	P17078	RL35_RAT	14543.62	11.05	60S ribosomal protein L35							e10	57.42	1	1	10.6	1	e10	48.62	2	2	12.2	2
358	RAB13_RAT	RAB13_RAT	0	9.47								e1	55.49	2	2	10.3	2						
359	Q924W3	Q924W3_RAT	10928.69	9.02	Integrin alpha 6 subchain (Fragment)							e3	45.53	2	2	16.2	2						
360	Q9ET61	C1QR1_RAT	71188.9	4.87	Complement component C1q receptor	e4	69.67	2	2	2.8	2	e4	55.13	2	2	2.5	2						
361	HS90B_RAT	HS90B_RAT	0	4.97								e5	60.34	2	2	3.2	2						
362	P21531	RL3_RAT	46391.91	10.22	60S ribosomal protein L3							e7	65.49	2	2	4	2						
363	Q4FZT0	STML2_RAT	38504.28	8.74	Stomatin-like protein 2							e7	48.56	2	2	7.1	2						
364	P70633	P70633_RAT	46323.48	7.77	Urea transporter							e8	47.29	2	2	5.1	2						
365	Q6TUH8	Q6TUH8_RAT	38569.51	10.16	LRRGT00066							e9	57.6	2	2	7.6	2						
366	P24049	RL17_RAT	21611.45	10.2	60S ribosomal protein L17	e9	72.91	2	2	10.3	2	e10	61.71	1	1	8.7	1						
367	RAB8B_RAT	RAB8B_RAT	0	9.15		e1	88.58	2	2	14	2												
368	P30823	CTR1_RAT	68135.21	5.73	High affinity cationic amino acid transporter 1	e5 (e1)	102.65	2	2	5.1	4												
369	Q7JJ65	Q7JJ65_RAT	40199	5.68	MHC class Ib RT1.S3 (Fragment)	e1	63.37	2	2	7.4	2												
370	P58366	ANKH_RAT	54742.6	8	Progressive ankylosis protein homolog	e2	67.97	2	2	4.7	2												
371	P11598	PDIA3_RAT	57043.87	5.88	Protein disulfide-isomerase A3	e6	67.81	2	2	3.6	2												
372	Q6P7S0	Q6P7S0_RAT	53472.59	7.96	Pyruvate kinase	e6	62.65	2	2	5.7	2												
373	Q08163	CAP1_RAT	51898.61	7.16	Adenylyl cyclase-associated protein 1	e6	50.5	2	2	8.4	2												
374	B2GVB9	B2GVB9_RAT	76145.16	6.63	Fermt3 protein	e8	75.49	2	2	3.5	2												
375	Q9ERM8	Q9ERM8_RAT	25218.67	8.76	Secretory carrier membrane protein 3 (Fragmer	e8	63.56	2	2	14.2	2												
376	Q5M860	Q5M860_RAT	22926.56	4.99	Rho, GDP dissociation inhibitor (GDI) beta	e9	68.44	2	2	17.5	2												
377	Q62931	GOSR1_RAT	28629.57	9.34	Golgi SNAP receptor complex member 1	e9	68.23	1	1	6	2												
378	Q9JI51	VTI1A_RAT	26026.61	6.07	Vesicle transport through interaction with t-SNA	e9	58.52	2	2	7.1	2												
379	B5DFJ7	B5DFJ7_RAT	21145.61	6.51	Tmem9 protein (Transmembrane protein 9 (Pre	e9	43.94	2	2	7.7	2												
380	P62268	RS23_RAT	15968.78	10.5	40S ribosomal protein S23	e10	80.07	2	2	13.3	2												
381	P62890	RL30_RAT	12946.81	9.65	60S ribosomal protein L30	e10	70.44	2	2	17.4	2												
382	P45592	COF1_RAT	18748.75	8.22	Cofilin-1	e10	62.2	2	2	11.4	2												
383	P62832	RL23_RAT	14970.1	10.51	60S ribosomal protein L23	e10	47.09	2	2	20.7	2												
384	O35511	O35511_RAT	17553.29	8.8	A regulatory subunit of protein phosphatase 2A (Fragment)													e5 (e2, e1, e6, e	89.83	1	1	12.9	6
385	Q5U3Y1	Q5U3Y1_RAT	7833.7	6.78	Xpo7 protein (Fragment)													e1	56	1	1	16.4	1
386	P50398	GDIA_RAT	51074.37	5	Rab GDP dissociation inhibitor alpha													e6	54.07	1	1	4.3	1
387	Q9JLZ1	GLRX3_RAT	38110.53	5.51	Glutaredoxin-3													e7	105.69	1	1	6.2	1
388	Q68FW9	CSN3_RAT	48398.21	6.19	COP9 signalosome complex subunit 3													e7	70.65	1	1	2.8	1
389	Q32Q05	OTU1_RAT	37949	5.61	Ubiquitin thioesterase OTU1													e8	47.45	1	1	2.6	1
390	P62083	RS7_RAT	22113.26	10.09	40S ribosomal protein S7													e9	55.83	1	1	11.3	1
391	B5DF36	B5DF36_RAT	13173.9	7.89	Placenta-specific 8 (Predicted)	e8 (e6, e7, e10,	97.09	1	1	13.4	5	e10 (e7)	87.96	1	1	13.4	2						
392	Q9QYJ4	ABCB9_RAT	84378.99	7.02	ATP-binding cassette sub-family B member 9	e1	62.18	1	1	1.8	1												
393	P28572	SC6A9_RAT	71493.27	8.2	Sodium- and chloride-dependent glycine transp	e1	50.64	1	1	3.5	1												
394	Q6AZ61	LMBD1_RAT	61663.1	7.87	Probable lysosomal cobalamin transporter	e4	71.06	1	1	3.4	1												
395	Q4V8Q2	Q4V8Q2_RAT	58285.71	5.29	Serine peptidase inhibitor, Kunitz type 1	e6	60.94	1	1	3.7	1												
396	Q66HG5	TM9S2_RAT	76619.75	7.23	Transmembrane 9 superfamily member 2	e6	55.99	1	1	2.1	1												
397	B2RYA8	B2RYA8_RAT	30675.84	4.79	LOC689593 protein	e7	58.48	1	1	4	1												
399	Q5RKH7	CB018_RAT	41407.69	6.75	Transmembrane protein C2orf18 homolog	e8	58.35	1	1	2.4	1												
400	P04906	GSTP1_RAT	23652.15	6.89	Glutathione S-transferase P	e9	64.5	1	1	7.6	1												
401	P62853	RS25_RAT	13790.72	10.12	40S ribosomal protein S25	e10	52.82	1	1	7.2	1												
402	Q6P742	PLP2_RAT	16830.77	6.7	Proteolipid protein 2	e10	47.99	1	1	7.9	1												
403	Q71KM5	Q71KM5_RAT	19536.25	8.67	CRAMP (Fragment)	e10	47.27	1	1	9.4	1												

Mass spectrometry raw data - S1

						J2						J4						J7					
Group	AC	ID	MW	pI	Description	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS
1	P02091	HBB1_RAT	16083.29	7.88	Hemoglobin subunit beta-1	e10 (e8, e2, e1, e6,	3507.46	33	28	96.6	789	e10 (e8, e2, e1, e6,	3185.65	22	19	95.2	584	e10 (e8, e2, e1, e6,	9883.51	40	31	91.2	1348
2	P11517	HBB2_RAT	16086.34	8.91	Hemoglobin subunit beta-2	e10 (e8, e2, e1, e6,	2072.61	29	24	87.8	560	e10 (e8, e2, e1, e6,	1857.81	21	18	85	486	e10 (e1, e6, e7, e4,	5561.81	37	28	88.4	969
3	Q6PDU6	Q6PDU6_RAT	16084.25	6.75	Beta-glo	e10 (e8, e2, e1, e6,	1168.53	20	18	93.2	357	e10 (e8, e2, e1, e6,	1032.31	16	14	77.6	263	e10 (e8, e2, e1, e6,	3648.53	30	24	96.6	644
4	P01946	HBA_RAT	15489.83	7.82	Hemoglobin subunit alpha-1/2	e10 (e8, e2, e1, e6,	1239.92	27	22	97.9	346	e10 (e8, e2, e1, e6,	1330.22	21	17	97.9	259	e10 (e8, e2, e1, e6,	3063.11	26	20	95.1	495
5	Q62669	Q62669_RAT	16069.28	7.93	Zero beta-1 globin	e10 (e8, e7, e4, e3)	1009.6	18	16	85	200	e10 (e2, e1, e6, e4,	970.19	15	13	69.4	228	e10 (e1, e6, e7, e9,	3394.99	27	21	88.4	545
6	Q6XDA1	Q6XDA1_RAT	277705.41	4.95	Erythroid spectrin alpha	e1	159.72	12	12	6.7	13	e1	597.02	40	39	17.8	47	e1 (e2, e3)	5329.1	194	172	75.5	386
7	Q99376	TFR1_RAT	70336.69	6.16	Transferrin receptor protein 1 (Fragment)	e4 (e8, e2, e1, e6,	4126.91	64	55	72.2	824	e4 (e8, e2, e1, e6,	1443.09	48	41	58.5	362	e4 (e2, e1, e6, e7,	804.12	37	33	53.2	184
8	P11442	CLH_RAT	193187.23	5.5	Clathrin heavy chain 1	e2 (e1, e3)	3870.97	124	104	68	289	e2 (e1, e4, e3)	3693.94	124	104	63.9	304	e2 (e1, e6, e4, e3,	4382.05	128	120	73.7	479
9	Q02759	LX12L_RAT	76369.38	6.15	Arachidonate 12-lipoxygenase, leukocyte-type	e5 (e8, e2, e1, e6,	1777.25	62	49	82.2	406	e5 (e8, e2, e1, e6,	1333.46	51	43	73.6	373	e5 (e8, e2, e1, e6,	3330.9	73	57	84.6	630
10	Q6XDA0	Q6XDA0_RAT	246973.98	5.18	Erythroid spectrin beta							e2	423.98	30	30	16	31	e2 (e1, e4, e3)	3963.31	150	150	75.3	388
11	Q2TL32	UBR4_RAT	580497.98	5.73	E3 ubiquitin-protein ligase UBR4													e1 (e2)	2132.8	132	130	30.5	189
12	Q62667	MVP_RAT	96081.21	5.43	Major vault protein	e4 (e2, e3, e5)	739.8	44	42	65.3	77	e4 (e2, e3, e5)	1122.07	51	45	68.8	84	e4 (e2, e1, e6, e3,	2167.09	68	56	78	211
13	P04937	FINC_RAT	275990.13	5.5	Fibronectin	e1 (e2)	2013.27	83	79	45	139	e1 (e2)	335.91	29	29	12.6	63	e1 (e2)	299.37	20	20	9.2	39
14	P63018	HSP7C_RAT	71055.3	5.37	Heat shock cognate 71 kDa protein	e5 (e8, e2, e1, e6,	1496.84	58	49	75.9	428	e5 (e2, e1, e6, e7,	1166.94	48	38	63.2	286	e5 (e2, e1, e6, e7,	1111.81	45	39	65.9	175
15	Q64560	TPP2_RAT	139688.11	5.95	Tripeptidyl-peptidase 2	e3	68.05	4	4	2.9	4	e3	94.04	12	12	8.9	13	e3 (e2, e1, e4)	1435.25	68	68	67.4	126
16	P05197	EF2_RAT	96192.24	6.41	Elongation factor 2	e4 (e8, e2, e1, e6,	692.98	31	29	42.7	110	e4 (e2, e1, e6, e3)	618.26	39	36	43.8	81	e4 (e8, e2, e1, e6,	1660.83	64	55	67.6	234
17	Q1JU68	EIF3A_RAT	163496.04	6.38	Eukaryotic translation initiation factor 3 subunit A							e2 (e3)	88.24	9	9	6.6	19	e2 (e1, e4, e3, e5)	590.06	81	81	52.1	164
18	P23562	B3AT_RAT	103392.12	5.28	Band 3 anion transport protein	e4 (e8, e2, e1, e6,	1143.99	45	40	45.5	424	e4 (e8, e2, e1, e6,	1155.64	44	40	48.5	314	e4 (e2, e1, e8, e6,	1544.41	49	44	50.5	457
19	Q5U300	UBA1_RAT	118910.43	5.36	Ubiquitin-like modifier-activating enzyme 1	e3	117.69	8	8	8.8	8	e3	364.85	15	15	19.8	18	e3 (e2, e1, e6, e4)	1424.44	52	52	68.1	140
20	Q68FQ0	TCPE_RAT	59954.95	5.51	T-complex protein 1 subunit epsilon	e6 (e4, e3, e5)	194.74	13	13	27.5	21	e6 (e3)	256.4	13	13	28.3	16	e6 (e2, e1, e4, e3,	973.91	54	40	77.1	107
21	Q4FZT9	PSMD2_RAT	100921.97	5.08	26S proteasome non-ATPase regulatory subunit 2							e4	153.15	7	7	9.9	8	e4 (e2, e3)	1239.45	55	47	63.1	95
22	P12346	TRFE_RAT	78512.46	7.14	Serotransferrin	e4 (e8, e1, e6, e3,	1446.5	41	40	53.4	262	e4 (e2)	1028.73	38	38	56.6	67						
23	P82995	HS90A_RAT	85160.93	4.93	Heat shock protein HSP 90-alpha	e4 (e2, e1, e3)	283.11	18	18	28.6	43	e4 (e2, e1, e3)	445.19	30	28	42.2	49	e4 (e8, e2, e1, e6,	1197.39	56	51	57.7	168
24	Q2I6B2	Q2I6B2_RAT	96321.13	6.29	V-H+ATPase subunit a1-III	e4 (e2, e1, e3, e5)	1200.59	54	45	49.5	197	e4 (e2, e3, e5)	930.48	52	44	48.3	111	e4	377.41	24	21	27.6	28
25	P12785	FAS_RAT	275100.86	5.96	Fatty acid synthase	e1	83.22	6	6	3	6							e1 (e2)	767.54	61	61	32.6	83
26	Q04462	SYVC_RAT	141534.55	7.54	Valyl-tRNA synthetase	e3	87.64	6	6	7.3	6	e3	190.08	22	21	19.5	23	e3 (e2, e1, e4, e9)	843.54	51	51	54.6	111
27	Q498D4	Q498D4_RAT	163473.77	5.9	Tln1 protein	e1 (e2)	251.74	16	16	17.4	24	e2 (e1, e4, e3)	240.47	8	8	8.1	30	e1 (e2, e4)	1237.87	54	53	47.3	126
28	Q6P502	TCPG_RAT	61178.57	6.23	T-complex protein 1 subunit gamma	e5 (e6)	177.03	13	13	26.8	17	e6 (e5)	123.34	12	12	19.6	18	e6 (e2, e4, e9, e3,	1047.82	51	39	72.8	137
29	Q5XIM9	TCPB_RAT	57764.26	6.01	T-complex protein 1 subunit beta	e6 (e7, e3)	650	24	24	58.9	32	e6	553.32	24	23	52.1	26	e6 (e2, e7, e4, e9,	1370.92	45	40	79.6	135
30	P28480	TCPA_RAT	60834.89	5.86	T-complex protein 1 subunit alpha	e6 (e5)	402.02	18	17	38.1	23	e6	332.72	14	14	29.9	15	e6 (e2, e7, e4, e3,	1291.6	45	37	80.8	103
31	P34058	HS90B_RAT	83571.25	4.97	Heat shock protein HSP 90-beta	e2	84.6	4	4	5.7	4	e4	228.35	19	18	25.6	19	e4 (e2)	1021.46	47	44	59.8	72
32	O35567	PUR9_RAT	64681.37	6.69	Bifunctional purine biosynthesis protein PURH	e5	124.49	7	7	16.6	7	e5	64.78	3	3	8.3	3	e5 (e2, e1, e4, e3)	1456.36	39	34	73	106
33	Q7TPB1	TCPD_RAT	58575.96	8.24	T-complex protein 1 subunit delta	e6 (e2, e7, e3, e5)	272.72	16	16	36.5	24	e6	320.85	18	17	39.9	20	e6 (e2, e1, e7, e4,	942.77	44	38	79	96
34	Q6TXE9	Q6TXE9_RAT	168557.58	7.44	LRRGT00050	e2	121.59	5	5	5.2	5	e2 (e3)	328.87	18	18	14.2	21	e2 (e1, e6, e4, e3,	888.67	52	52	43.3	89
35	Q64542	AT2B4_RAT	134093.51	6.17	Plasma membrane calcium-transporting ATPas	e3 (e8, e2, e1, e5)	638.5	47	44	35.3	123	e3 (e8, e2, e1, e4)	745.69	52	48	37.2	95	e3 (e8, e2, e1)	148.68	13	13	10.6	27
36	Q7TMC7	Q7TMC7_RAT	109509.95	8.35	Ab2-417	e2 (e7, e9)	1181.66	42	41	39.8	64	e5 (e1, e3)	125.39	12	12	12.8	22	e4	418.28	19	19	23.8	22
37	P39052	DYN2_RAT	98511.23	7.02	Dynamin-2	e3	42.86	4	4	3.9	4	e4	213.26	18	18	22.1	18	e4 (e2, e1, e6, e3,	912.88	51	48	53.9	115
38	P05370	G6PD_RAT	59794.01	5.97	Glucose-6-phosphate 1-dehydrogenase	e6	53.65	6	6	10.3	6	e6	25.24	7	7	13	7	e6 (e4, e3, e5)	731.55	44	37	76.7	69
39	P16638	ACLY_RAT	121471.03	6.96	ATP-citrate synthase	e3	46.43	3	3	3	3	e3	79.51	3	3	3.7	3	e3 (e2, e1, e5)	399.08	40	40	42.3	62
40	P46462	TERA_RAT	89976.99	5.14	Transitional endoplasmic reticulum ATPase	e4	171.97	10	10	16.6	10	e4	327.99	19	19	30.4	21	e4 (e2, e1, e3)	1010.93	42	39	56.1	61
41	P52296	IMB1_RAT	98373.49	4.66	Importin subunit beta-1	e4 (e2, e1, e3)	105.28	5	4	5.9	12	e4 (e3)	223.12	12	11	16.5	19	e4 (e2, e1, e6, e3,	1205.33	36	28	43.2	97
42	Q68FR6	EF1G_RAT	50371.29	6.31	Elongation factor 1-gamma	e6	149.37	14	14	31.6	15	e6	169.73	14	14	31.6	15	e6 (e2, e7, e4, e9,	715.41	35	32	81.5	91
43	Q3MHS9	Q3MHS9_RAT	58436.84	6.63	Chaperonin containing Tcp1, subunit 6A (Zeta 1	e6	222.95	15	15	33.9	18	e6	218.01	7	7	19	9	e6 (e8, e2, e4, e3,	886.6	37	33	70.2	78
44	Q5BKE5	Q5BKE5_RAT	53558.86	8.94	RGD1565355 protein	e4 (e2, e1, e6, e3,	1011.96	22	22	35.8	211	e4 (e2, e3, e5)	574.06	16	16	34.5	102	e4 (e3, e5)	444.48	17	17	39	67
45	P04762	CATA_RAT	60061.61	7.07	Catalase	e6 (e2, e1, e3, e5)	446.81	26	25	51.4	47	e6 (e2, e1, e3)	585.34	29	27	56.4	49	e6 (e2, e1, e7, e4,	779.69	36	31	65.5	168
46	P18484	AP2A2_RAT	104891.43	6.51	AP-2 complex subunit alpha-2	e4 (e2, e1, e3, e5)	210.82	18	17	27.1	45	e4 (e3)	501.87	27	24	35.6	35	e4 (e8, e2, e9, e3,	932.82	36	32	47.5	66
47	P30835	K6PL_RAT	86082.67	7.06	6-phosphofructokinase, liver type	e4	28.98	2	2	2.7	2	e4	101.15	6	6	6.8	6	e4 (e3)	915.78	37	32	53.6	49
48	P06685	AT1A1_RAT	114293.36	5.3	Sodium/potassium-transporting ATPase subunit	e3 (e2, e1, e4)	941.49	39	36	38.7	145	e4 (e2, e1, e3)	821.63	36	33	35.4	92	e4 (e2, e1, e3)	516.13	25	24	28.5	43
49	P60711	ACTB_RAT	42051.86	5.29	Actin, cytoplasmic 1	e7 (e8, e2, e1, e6,	665.46	31	23	73.6	143	e7 (e8, e2, e1, e6,	565.74	27	22	71.2	138	e7 (e8, e2, e1, e6,	701.68	26	22	68	157
50	Q794F9	4F2_RAT	58150.15	5.19	4F2 cell-surface antigen heavy chain	e4 (e2, e1, e6, e3,	963.84	30	28	58.8	134	e4 (e2, e6, e3, e5)	690.93	23	22	46.3	83	e5 (e4)	502.07	19	19	45.2	47
51	P62815	VATB2_RAT	56856.98	5.57	V-type proton ATPase subunit B, brain isoform	e6 (e5)	912.31	32	28	68.5	53	e6	692.2	30	26	59.1	35	e6	427.97	17	16	47	19
52	P10719	ATPB_RAT	56318.48	5.19	ATP synthase subunit beta, mitochondrial	e6 (e5)	531.21	21	17	49.9	24	e6 (e4, e3)	585.96	22	17	48.4	35	e6 (e4, e3, e5)	1021.02	31	24	71.8	51
53	Q8R491	EHD3_RAT	60809.76	6.04	EH domain-containing protein 3	e6 (e4, e5)	280.89	17	16	37.8	38	e6	269.66	15	13	30.1	34	e6 (e7, e4)	723.93	37	32	75.5	91
54	P50137	TKT_RAT	68341.85	7.23	Transketolase	e5	55.88	4	4	6.3	4	e5	38.74	3	3	4.3	3	e5 (e8, e4, e3)	662.66	36	31	60.5	52
55	Q6PCT9	Q6PCT9_RAT	45854.31	5.39	Proteasome (Prosome, macropain) 26S subunit	e7	59.24	5	5	12.3	5	e7	42.32	7	7	13.6	8	e7	571.73	35	32	67.1	42
56	Q9QZA2	PDC6I_RAT	97140.71	6.15	Programmed cell death 6-interacting protein	e3 (e2, e1, e7, e4)	566.86	27	27	42	101	e4 (e2, e1, e3)	691.85	35	34	48.5	89	e4 (e2, e1, e3)	589.89	34	34	50.1	56
57	Q5U2Q5	Q5U2Q5_RAT	91090.9	6.3	Ribonucleoside-diphosphate reductase	e4	98.33	4	4	7.7	4	e4	57.84	4	4	5.9	4	e4 (e2, e1, e3, e5)	766.38	37	32	49	70
58	B0BN55	B0BN55_RAT	40841.96	6.1	Uroporphyrinogen decarboxylase	e7 (e8, e6, e3)	306.43	12	12	46.3	21	e7 (e8)	195.25	9	9	38.7	15	e8 (e2, e6, e7, e4,	665.97	25	20	68.7	87
59	P04797	G3P_RAT	36090.27	8.14	Glyceraldehyde-3-phosphate dehydrogenase	e8 (e2, e6, e7, e9,	412.19	19	18	58	49	e8 (e6, e4, e9, e3,	373.48	18	16	55.3	37	e8 (e2, e1, e6, e7,	619.75	26	21	60.4	90
60	O54975	XPP1_RAT	70354.41	5.38	Xaa-Pro aminopeptidase 1													e5 (e4)	675.07	33	32	60.7	53
61	O70595	ABCB6_RAT	93815.84	8.54	ATP-binding cassette sub-family B member 6, n	e4 (e2, e1, e3, e5)	869.52	33	31	46.8	126	e4 (e2, e3, e5)	711.41	25	24	38.3	71	e4 (e5)	131.52	5	5	6.6	7
62	P06761	GRP78_RAT	72473.49	5.07	78 kDa glucose-regulated protein	e5	787.78	32	31	51.4	40	e5	723.34	31	30	49.8	40	e5	368.19	17	17	29.1	17
63	P62193	PRS4_RAT	49324.76	5.87	26S protease regulatory subunit 4							e6	88.45	5	5	15.5	5	e6	594.08	31	25	63.9	40
64	P62630	EF1A1_RAT	50424.23	9.1	Elongation factor 1-alpha 1	e6 (e8, e2, e1, e7,	396.87	25	20	53.5	133	e6 (e8, e2, e1, e7,	407.82	19	18	44.2	129	e6 (e8, e2, e1, e7,	569.27	29	21	60.8	147
65	Q5XHY5	SYTC_RAT	81436.82	6.5	Threonyl-tRNA synthetase, cytoplasmic							e4	25.2	4	4	7.1	4	e4	569.92	34	32	47.1	39
66	Q5U2S7	Q5U2S7_RAT	60764.38	8.48	Proteasome (Prosome, macropain) 26S subunit, non-ATPase, 3							e6	112.81	8	8	16.2	8	e6	492.56	35	34	63.2	39
67	Q5RKL5	STEA3_RAT	55095.01	9.33	Metalloreductase STEAP3	e6 (e8, e2, e1, e7,	619.98	29	26	51	218	e6 (e2, e1, e7, e4,	466.56	21	18	42.2	81	e6	149.66	9	9	21.1	10
68	Q5EBC3	Q5EBC3_RAT	101598.27	7.05	Methylenetetrahydrofolate dehydrogenase (NAD	e3	114.52	11	10	11.2	11	e3	303.19	24	23	30.1	25	e3 (e2, e1, e4)	483.8	37	37	45.9	85
69	Q7M075	Q7M075_9MURI	114006.99	5.65	Glycoprotein IIb	e3 (e9)	451.02	18	18	21.2	22	e3 (e9)	839.04	32	30	39.6	39	e3	50.36	4	4	4.4	4
70	B1WBX8	B1WBX8_RAT	76503.32	6.64	Arginyl-tRNA synthetase	e5	79.11	5	5	8.5	5	e5	124.16	14	14	21.1	14	e5	723.64	37	36	62.7	38
71	P97536	CAND1_RAT	137985.29	5.52	Cullin-associated NEDD8-dissociated protein 1	e3	82.6	2	2	2.1	2							e3 (e2)	432.04	31	31	29.8	44
72	Q4G061	EIF3B_RAT	91253.15	4.97	Eukaryotic translation initiation factor 3 subunit B							e4	59.21	7	7	10.3	7	e4 (e3)	695.62	31	31	45.5	43
73	Q8R2H2	Q8R2H2_RAT	90065.88	5.25	Integrin beta	e4	237.72	16	16	24.7	16	e4	571.17	30	29	40.9	37	e4	157.02	6	6	9.7	6
74	P50475	SYAC_RAT	69000.76	4.79	Alanyl-tRNA synthetase, cytoplasmic (Fragment	e3	93.69	3	3	8.3	3	e3	148.73	10	9	17.2	11	e3 (e2, e6, e4)	628.99	30	30	66.5	47
75	Q63570	PRS6B_RAT	47492.63	5.09	26S protease regulatory subunit 6B	e6	61.05	2	2	6.7	3	e6	78.09	3	3	9.1	3	e6 (e2, e7, e4, e9,	654.56	29	25	70.6	47
76	Q63569	PRS6A_RAT	49414.52	5.13	26S protease regulatory subunit 6A	e6	118.74	5	5	13.4	5	e6	137.57	6	6	17.1	6	e6 (e7, e5)	616.51	29	22	64.5	40
77	P14480	FIBB_RAT	54827.92	7.9	Fibrinogen beta chain	e6 (e7, e5)	570.42	31	28	68.1	54	e6	71.86	6	6	13.4	6						
78	Q9WVJ6	Q9WVJ6_RAT	78026.55	4.97	Tissue-type transglutaminase													e4 (e2, e1, e3)	744.74	32	29	51	62

79	Q9Z1J7	Q9Z1J7_RAT	57630.4	7.44	Sodium-dependent neutral amino acid transport	e4 (e2, e1, e6, e3, e	628.7	22	17	39.7	123	e5 (e2, e6, e4, e3)	539.04	17	14	32.3	78	e5 (e2, e1, e6, e4, e3	405.18	16	13	31.2	50
80	Q6P9T8	TBB2C_RAT	50225.16	4.79	Tubulin beta-2C chain	e6 (e7)	214.73	13	12	36.4	26	e6 (e7, e3)	420.56	15	13	42	24	e6 (e2, e5)	640.59	26	19	63.4	39
81	Q9JJT1	Q9JJT1_RAT	54005.98	5.94	Glucocorticoid-attenuated response gene 16 pro	e6 (e5)	168.55	10	10	20.7	13	e6 (e2, e3)	268.17	16	16	33	19	e6 (e2, e4, e5)	726.03	28	26	57.2	51
82	O88752	O88752_RAT	16151.49	7.9	Epsilon 1 globin													e3 (e6, e7)	415.98	2	2	12.2	83
83	P35559	IDE_RAT	118376.42	6.15	Insulin-degrading enzyme													e3	254.46	30	30	31.4	35
84	P15178	SYDC_RAT	57546.33	6.02	Aspartyl-tRNA synthetase, cytoplasmic	e6	110.59	7	7	17.4	7	e6	123.73	13	13	29.1	14	e6 (e5)	577.31	29	26	57.9	38
85	P15999	ATPA_RAT	59830.66	9.22	ATP synthase subunit alpha, mitochondrial	e6	457.13	20	19	41.2	21	e6 (e3)	590.6	33	30	54.8	37	e6	494.62	25	23	45.8	26
86	Q00715	H2B1_RAT	13981.6	10.36	Histone H2B type 1	e10 (e8, e6, e9)	528.33	14	12	69.6	57	e10 (e8, e9)	422.45	15	13	76	38	e10 (e9)	280.69	11	9	48.8	25
87	P62804	H4_RAT	11360.38	11.36	Histone H4	e10 (e8, e9)	587.59	20	16	59.2	51	e10 (e8, e6, e7, e9)	464.45	19	15	59.2	50	e10 (e9)	170.76	12	10	53.4	23
88	P02262	H2A1_RAT	14068.93	10.9	Histone H2A type 1	e10 (e8, e9)	775.34	10	10	46.2	80	e10 (e9)	676.27	7	7	39.2	59	e10 (e9)	139.6	4	4	33.8	12
89	P62198	PRS8_RAT	45768.12	7.11	26S protease regulatory subunit 8	e7	71.1	1	1	3.9	1	e7 (e6)	77.22	3	3	10.1	6	e6 (e7)	607.06	31	26	64	42
90	P54921	SNAA_RAT	33627.42	5.3	Alpha-soluble NSF attachment protein	e8 (e2, e1, e7, e9, e	722.91	28	22	83.7	56	e8 (e9)	652.24	21	20	78.6	32	e8 (e9)	411.24	16	16	70.2	21
91	P04764	ENOA_RAT	47440.37	6.16	Alpha-enolase	e6	290.38	14	13	41.7	16	e6	340.07	13	13	37.6	16	e6 (e7, e5)	802.02	24	21	61.5	41
92	P11505	AT2B1_RAT	139601.26	5.71	Plasma membrane calcium-transporting ATPase	e3 (e1)	386.56	24	23	18.8	43	e3	500.35	31	29	23	33						
93	Q9QWJ9	NRP1_RAT	104271.2	5.71	Neuropilin-1	e3 (e2, e1, e10, e9)	636.75	26	24	32.1	75	e3	360.46	16	16	22.5	18						
94	P49134	ITB1_RAT	91686.66	5.77	Integrin beta-1	e3 (e2)	404.55	27	26	37.5	41	e3	219.78	15	15	24.3	19						
95	Q5PPJ6	Q5PPJ6_RAT	135503.65	6.95	Leucyl-tRNA synthetase	e3	108.71	8	8	7.4	8	e3	143.12	8	8	8.3	8	e3 (e2, e1)	298.15	30	30	32.5	38
96	B5DF65	B5DF65_RAT	22194.38	6.29	Biliverdin reductase B (Flavin reductase (NADP	e9 (e1, e3)	171.64	10	10	77.7	14	e9	85.45	9	7	51	11	e9 (e8, e2, e1, e6, e7	596.93	20	17	89.3	60
97	Q8CG45	ARK72_RAT	41105.46	8.35	Aflatoxin B1 aldehyde reductase member 2	e8	103.31	5	5	14.7	5	e8	75.71	5	5	16.1	5	e8 (e4, e3)	299.48	24	20	52.3	34
98	P84092	AP2M1_RAT	49965.15	9.57	AP-2 complex subunit mu-1	e6	98.83	15	14	33.8	15	e6	145.9	15	15	35.2	15	e6	274.61	29	25	57	32
99	Q80U96	XPO1_RAT	124099.45	5.72	Exportin-1	e3	61.06	3	3	3.7	3	e3	61.15	2	2	2.1	2	e3 (e2)	315.61	27	27	36.1	35
100	P12928	KPYR_RAT	62503.65	6.45	Pyruvate kinase isozymes R/L							e6	89.87	6	6	12.2	6	e6 (e5)	634.72	25	25	53.3	42
101	Q63347	PRS7_RAT	48943.22	5.59	26S protease regulatory subunit 7	e6	33.69	2	2	6.5	2	e6	54.49	4	4	12.9	4	e6 (e5)	480.71	29	27	62.6	33
102	Q5XIC6	Q5XIC6_RAT	53301.69	7.02	Proteasome (Prosome, macropain) 26S subunit	e6	57.25	1	1	2.9	1	e6	60.53	5	5	8.8	5	e6 (e5)	741.4	25	22	57.9	32
103	Q9JI92	SDCB1_RAT	32630.82	7.05	Syntenin-1	e8 (e6, e7, e9, e3)	490.56	19	16	76.3	54	e8 (e9)	276.42	15	13	54.3	26	e8	75.96	7	7	27	7
104	Q8VII6	CTL1_RAT	74582.72	9.01	Choline transporter-like protein 1	e6 (e8, e2, e1, e4, e	509.8	22	20	31.7	83	e6 (e2, e4, e3, e5)	527.93	22	20	31.1	64	e6 (e2, e4, e5)	358.66	13	13	24.8	33
105	Q6AYZ1	TBA1C_RAT	50589.74	4.96	Tubulin alpha-1C chain	e6 (e7)	381.2	18	18	47.5	67	e6 (e7, e9, e3)	400.71	17	17	43.5	75	e6 (e8, e2, e7, e4, e5	607.91	23	20	51.9	116
106	O88761	PSMD1_RAT	106707.05	5.25	26S proteasome non-ATPase regulatory subunit	e3	59.51	2	2	4.5	2	e3	147.03	8	7	11.9	8	e4 (e2, e3)	361.25	18	13	20.8	50
107	Q498D2	Q498D2_RAT	45281.13	9.09	Eukaryotic translation initiation factor 3, subunit 6 interacting protein							e6	129.28	5	5	19.1	5	e6 (e2, e4, e5)	633.06	24	23	61	43
108	P63039	CH60_RAT	61088.45	5.91	60 kDa heat shock protein, mitochondrial	e6 (e2, e1, e3, e5)	671.94	20	19	42.9	50	e6 (e2, e1, e3, e5)	706.31	24	22	47.5	52	e6 (e4, e5)	720.07	20	19	43.3	33
109	P19468	GSH1_RAT	73371.32	5.41	Glutamate--cysteine ligase catalytic subunit													e5	474.5	27	26	51.3	30
110	Q5RKI0	WDR1_RAT	66824.13	6.15	WD repeat-containing protein 1													e5	445.58	26	26	53.6	30
111	O35814	STIP1_RAT	63157.63	6.4	Stress-induced-phosphoprotein 1	e5 (e2, e1, e3)	316.92	25	23	37.9	72	e5 (e2, e4, e3)	300.28	25	23	44	43	e5	208.68	17	16	29.8	18
112	Q9JLJ3	AL9A1_RAT	54530.38	6.57	4-trimethylaminobutyraldehyde dehydrogenase													e6 (e5)	560.67	24	21	59.7	35
113	P09527	RAB7A_RAT	23773.96	6.4	Ras-related protein Rab-7a	e9 (e8, e2, e1, e6, e	456.21	25	22	88.9	51	e9 (e8, e2, e6, e3)	300.65	21	19	82.1	32	e9	172.39	14	13	71	15
114	Q9JJ50	HGS_RAT	86818.85	5.91	Hepatocyte growth factor-regulated tyrosine kina	e3 (e2, e1, e4)	135.02	8	8	9.5	25	e4 (e2, e1, e9, e3)	422.28	25	25	30.4	73	e4 (e2, e1, e3)	267.01	15	15	20.5	37
115	Q63910	Q63910_RAT	15572.01	7.96	Alpha globin	e10 (e8, e1, e7, e9)	265.14	8	8	57.7	48	e10 (e9)	262.17	8	8	57.7	23	e10 (e8, e1, e6, e7, e	488.51	14	13	95.1	86
116	B5DFC8	EIF3C_RAT	106052.9	5.55	Eukaryotic translation initiation factor 3 subunit C							e3	59.33	6	6	6.7	6	e3 (e2, e1, e4, e5)	329.54	25	25	27.3	57
117	Q32PW9	Q32PW9_RAT	43545.79	7.23	Psmc6 protein (Fragment)	e7	107.81	6	6	15.5	6	e7	105.96	7	7	17.1	7	e7 (e6, e4, e9, e3)	319.85	23	22	60.4	37
118	P13676	ACPH_RAT	82414.82	5.46	Acylamino-acid-releasing enzyme													e4	487.38	26	23	46.9	29
119	P49088	ASNS_RAT	64775.7	6.01	Asparagine synthetase [glutamine-hydrolyzing]	e6	79.69	3	3	6.2	4	e6	120.55	4	4	8.7	4	e6 (e4, e5)	467	25	23	48.5	41
120	Q08163	CAP1_RAT	51898.61	7.16	Adenylyl cyclase-associated protein 1	e6	97.35	2	2	7	3	e6	21.26	2	2	4.4	2	e6 (e5)	575.78	23	21	56.8	30
121	Q31257	Q31257_RAT	39506.51	5.64	RT1.A1(F) protein (Fragment)	e6 (e8, e2, e1, e7, e	528.01	22	21	48.1	194	e6 (e8, e2, e7, e4, e	405.92	20	19	46.4	79	e6 (e8, e7)	270.19	13	12	35.2	37
122	P52303	AP1B1_RAT	105377.42	5	AP-1 complex subunit beta-1	e3 (e2, e1, e4, e5)	236.3	14	14	18.9	58	e4 (e2, e3, e5)	399.74	22	22	27.4	70	e4 (e2, e1, e3, e5)	649.34	26	25	36.4	78
123	B5DF57	B5DF57_RAT	77422.3	6.83	Erythrocyte protein band 4.2 (Predicted)	e5 (e2, e4)	299.68	18	17	34.5	20	e5 (e4)	372.02	24	23	43.4	29	e5 (e2, e1, e6, e7, e4	439.51	25	24	46	48
124	Q9R085	Q9R085_RAT	110439.65	4.99	Ubiquitin carboxyl-terminal hydrolase							e3	42.41	1	1	1.3	1	e3 (e8, e2, e7, e4, e5	438.28	25	25	36.4	56
125	P81795	IF2G_RAT	51617.42	8.66	Eukaryotic translation initiation factor 2 subunit 3	e6	46.37	1	1	3	1	e6	98.93	7	7	18.2	7	e6	515.68	21	21	54	28
126	Q63632	S12A4_RAT	121690.27	6.22	Solute carrier family 12 member 4	e3 (e2, e1, e4)	325.15	24	24	25	72	e3 (e2)	256.31	24	24	23	31						
127	Q9JKB7	Q9JKB7_RAT	51438.88	5.48	Guanine deaminase	e6	296.35	12	12	35.7	12	e6	253.48	10	10	30.8	10	e6 (e5)	506.27	24	24	72.9	36
128	Q31256	Q31256_RAT	41254.55	5.28	MHC class I RT1.Au heavy chain	e6 (e8, e2, e1, e7, e	436.35	21	21	43	108	e6 (e7, e3)	293.73	21	21	44.4	43	e6 (e7)	265.28	13	13	30.1	20
129	Q499R7	Q499R7_RAT	38222.96	6.42	Ppa1 protein (Fragment)	e8	62.93	1	1	4.8	1							e8	321.4	21	19	58.3	27
130	O88902	PTN23_RAT	163978.64	6.33	Tyrosine-protein phosphatase non-receptor type 23 (Fragment)							e2 (e1)	439.95	23	23	18.1	49	e2 (e1)	83.37	2	2	1.7	7
131	P62828	RAN_RAT	24578.68	7.01	GTP-binding nuclear protein Ran	e9 (e8)	141.8	9	9	39.8	12	e9	120.97	7	7	30.6	8	e9 (e8, e1, e6, e7, e4	411.23	15	15	48.6	67
132	Q6TUD1	Q6TUD1_RAT	57974.73	5.92	LRRGT00113	e5	28.51	5	5	9.3	5	e5	51.48	5	4	7.5	5	e5 (e6)	528.6	23	19	46.8	32
133	Q5XI04	Q5XI04_RAT	31529.57	6.54	Stomatin	e9 (e8, e2, e1, e6, e	460.76	15	12	51.1	121	e9 (e8, e2, e6, e7, e	456.77	18	16	65.1	75	e9 (e8, e6, e7, e5)	499.51	18	14	63	45
134	Q6P799	SYSC_RAT	59064.01	5.86	Seryl-tRNA synthetase, cytoplasmic							e6	28.81	2	2	3.3	2	e6	563.72	22	22	48.2	25
135	B0BN93	PSD13_RAT	43075.28	5.55	26S proteasome non-ATPase regulatory subunit 13													e7 (e8)	386.52	20	19	60.6	28
136	Q641X8	EIF3E_RAT	52586.54	5.71	Eukaryotic translation initiation factor 3 subunit E	e7	30.74	4	4	8.5	4	e7	49.77	7	7	13.3	7	e7	329.61	22	21	53.3	25
137	C0JPT7	C0JPT7_RAT	283056.6	5.68	Filamin alpha	e1 (e2, e3)	109.06	7	7	3.5	14	e1 (e2, e7, e3)	81.92	11	11	4.4	32	e1 (e2, e3)	182.1	20	20	9.3	37
138	P97532	THTM_RAT	33204.55	5.88	3-mercaptopyruvate sulfurtransferase	e8 (e9)	300.92	15	15	58.9	18	e8 (e9)	193.68	12	12	48.8	16	e8 (e1, e6, e7, e4, e5	478.22	16	16	57.2	63
139	P53987	MOT1_RAT	53830.64	8.62	Monocarboxylate transporter 1	e7 (e8, e2, e1, e6, e	449.89	16	14	27.7	98	e7 (e8, e2, e1, e6, e	353.43	16	15	29.6	76	e7 (e8, e2, e1, e6, e4	281.16	12	12	26.1	65
140	P50399	GDIB_RAT	51017.88	5.93	Rab GDP dissociation inhibitor beta	e6 (e5)	262.93	10	9	26.7	14	e6	73.83	8	8	18.4	9	e6 (e5)	595.4	19	17	48.1	28
141	P29315	RINI_RAT	51652.79	4.67	Ribonuclease inhibitor													e6	642.59	20	20	69.3	24
142	P04636	MDHM_RAT	36116.99	8.93	Malate dehydrogenase, mitochondrial	e8 (e7)	421.25	20	18	63.3	23	e8	402.68	18	17	59.8	20	e8 (e6)	382.81	19	18	61.5	26
143	P21531	RL3_RAT	46391.91	10.22	60S ribosomal protein L3	e7 (e6, e5)	235.38	21	18	37.5	45	e7 (e6, e9, e3)	346.17	21	19	35.5	56	e7	127.15	13	13	32	14
144	Q7JJ65	Q7JJ65_RAT	40199	5.68	MHC class Ib RT1.S3 (Fragment)	e7 (e8, e2, e1, e6, e	475.73	18	17	44.2	108	e7	79.01	7	7	15	10						
145	O35763	MOES_RAT	67867.85	6.16	Moesin	e5	285.06	21	21	34.5	23	e5	53.45	7	7	10.9	7	e5 (e8)	33.84	3	3	5	10
146	Q5RKI1	IF4A2_RAT	46600.86	5.33	Eukaryotic initiation factor 4A-II	e7 (e6)	191.07	15	14	27.3	19	e7 (e6)	239.12	18	15	27	20	e7 (e6)	324.53	20	20	41.8	30
147	Q6P6G4	Q6P6G4_RAT	30228.79	6.81	Phosphoglycerate mutase	e9	104.47	7	6	23.3	7	e9	179.06	11	10	36	12	e9 (e6, e7)	411.87	16	15	53.9	35
148	P27139	CAH2_RAT	29266.66	6.89	Carbonic anhydrase 2	e9 (e8, e2, e1, e6, e	278.94	13	12	52.3	57	e9 (e2, e6, e7, e3)	268.49	13	12	56.9	33	e9 (e8, e6, e7)	353.29	17	15	65	31
149	P58366	ANKH_RAT	54742.6	8	Progressive ankylosis protein homolog	e7 (e6, e3)	306.93	16	15	34.6	28	e7	127.13	8	8	16.9	9	e7 (e6)	53.05	3	3	6.5	4
150	Q10743	ADA10_RAT	62400.9	8.44	Disintegrin and metalloproteinase domain-conta	e5 (e6, e7, e9)	429.57	16	14	39.7	41	e7 (e9, e5)	303.98	10	9	22.1	28	e7	41.24	4	4	9.6	4
151	P35280	RAB8A_RAT	23824.25	9.15	Ras-related protein Rab-8A	e9 (e8, e7)	298.92	20	17	67.1	34	e9 (e8)	325.08	17	14	59.9	23	e9 (e8)	421.26	19	16	64.3	23
152	P84083	ARF5_RAT	20630.62	6.3	ADP-ribosylation factor 5	e9 (e8, e2, e1, e3)	281.13	15	12	67.8	31	e9 (e1)	212.67	16	12	61.7	21	e9	399.67	18	13	71.1	23
153	B0K031	B0K031_RAT	30351.05	10.87	RCG30479, isoform CRA_b	e9 (e8, e7, e10)	166.98	18	17	49.6	37	e9 (e7, e10)	217.97	21	21	58.5	30	e9	96.46	10	10	41.2	11
154	Q62812	MYH9_RAT	227565.9	5.49	Myosin-9	e2 (e4, e3)	107.98	8	8	3.7	23	e4 (e2, e3)	358.13	22	21	12.7	58	e2 (e1, e4, e3)	220.86	21	21	11.8	54
155	Q66H61	Q66H61_RAT	88557.14	6.93	Glutaminyl-tRNA synthetase							e4	79.25	8	8	9.8	8	e4	441.2	20	20	32.4	22
156	P51583	PUR6_RAT	47807.35	7.87	Multifunctional protein ADE2	e7	85.39	2	2	4.9	2	e6 (e7)	106.74	2	2	6.8	3	e6 (e7)	509.98	19	17	46.1	29
157	P63004	LIS1_RAT	47210.34	6.97	Platelet-activating factor acetylhydrolase IB subunit alpha													e6 (e7)	282.09	19	17	39.8	32
158	P16617	PGK1_RAT	44909.14	8.02	Phosphoglycerate kinase 1	e7	156.27	9	9	22.8	10	e7	152.16	9	9	28.1	10	e7 (e6)	448.11	18	18	54	32
159	P19356	HEM3_RAT	39621.76	6.21	Porphobilinogen deaminase	e7 (e2, e1, e6, e4, e	251.06	14	14	41.3	30	e7	208.05	11	11	35.7	12	e7 (e8, e6)	394.06	17	17	45.7	27

160	P63331	PP2AA_RAT	36155.63	5.3	Serine/threonine-protein phosphatase 2A cataly	e8	54.63	3	3	9.4	3	e8	78.12	5	5	15.5	6	e8 (e6)	344.47	19	18	63.4	26
161	Q63009	ANM1_RAT	41123.23	5.37	Protein arginine N-methyltransferase 1													e7 (e8)	423.13	17	17	50.1	34
162	Q6P9U8	EIF3H_RAT	40051.11	6.2	Eukaryotic translation initiation factor 3 subunit I	e7	67.79	2	2	8.2	2	e7	54.97	3	3	10.8	3	e7	330.05	18	17	56.3	22
163	Q5HZV9	PP1R7_RAT	41385.49	4.84	Protein phosphatase 1 regulatory subunit 7							e7	34.43	1	1	3.1	1	e7 (e8)	307.88	21	21	60.6	24
164	P68255	1433T_RAT	28045.89	4.69	14-3-3 protein theta	e9	164.51	12	11	43.7	12	e9	106.53	9	9	28.2	9	e9 (e7)	344.33	20	19	58.4	27
165	B0K030	B0K030_RAT	38294.44	8.75	DnaJ (Hsp40) homolog, subfamily B, member 1	e7 (e2, e1, e6, e3)	343.27	19	19	56.5	40	e7	145.12	13	13	35.9	13	e8 (e7)	73.81	8	8	21.8	13
166	P68101	IF2A_RAT	36370.54	5.02	Eukaryotic translation initiation factor 2 subunit 1	e8	143.8	4	4	16.2	4	e8	140.04	4	4	14.6	4	e8	359.94	21	20	65.4	22
167	P09895	RL5_RAT	34664.8	9.75	60S ribosomal protein L5	e8 (e7, e9)	228.06	19	18	46.8	33	e8 (e9)	152.42	12	11	31.6	21	e8 (e9)	123.37	5	5	21.5	7
168	P10536	RAB1B_RAT	22320.25	5.55	Ras-related protein Rab-1B	e9	348.12	17	13	71.1	21	e9	355.42	17	13	71.1	22	e9	354.9	15	12	67.2	17
169	Q6NYB7	RAB1A_RAT	22891.47	5.93	Ras-related protein Rab-1A	e9 (e8, e7)	299.51	19	16	76.6	29	e9 (e8, e7)	296.03	18	14	72.7	27	e9	331.56	18	15	72.7	20
170	P62703	RS4X_RAT	29807.14	10.16	40S ribosomal protein S4, X isoform	e9 (e8)	134	15	15	50.2	20	e9	154.72	21	20	58.9	22	e9	144.25	16	16	49.4	18
171	Q63002	Q63002_RAT	280178.87	5.45	Mannose 6-phosphate/insulin-like growth factor	e1 (e5)	42.12	11	11	3.6	40												
172	Q71SA3	Q71SA3_RAT	133579.4	4.74	Thrombospondin 1	e3 (e2)	123.87	9	9	9	11	e3 (e2)	289.66	17	17	16.4	20	e3 (e2)	290.55	18	18	18.5	31
173	P04041	GPX1_RAT	22463.37	7.7	Glutathione peroxidase 1	e9	100.57	6	6	40.8	7	e9	39.6	6	6	40.8	7	e9 (e8, e4)	292.17	14	14	77.1	27
174	Q5XIM7	Q5XIM7_RAT	72090.76	6.16	Lysyl-tRNA synthetase													e5	357.54	20	20	35.9	21
175	Q07439	HSP71_RAT	70427.2	5.61	Heat shock 70 kDa protein 1A/1B							e5	182.73	7	7	13.3	12	e5	283.23	20	19	39.6	21
176	P60892	PRPS1_RAT	35325.12	6.51	Ribose-phosphate pyrophosphokinase 1	e8	105.28	4	4	15.7	4	e8	106.86	3	3	13.5	3	e8 (e6, e7, e5)	374.46	18	17	62.3	31
177	Q4V7C7	ARP3_RAT	47783.14	5.61	Actin-related protein 3	e6	81.97	5	5	20.1	5	e6	44.58	4	4	14.6	4	e6 (e5)	304.5	20	20	64.6	24
178	Q6P9U9	Q6P9U9_RAT	56105.92	6.84	IMP (Inosine monophosphate) dehydrogenase 2	e6	40.43	3	3	5.1	3	e6	88.62	5	5	9.1	5	e6	347.62	18	17	38.7	21
179	Q9Z2S9	FLOT2_RAT	47407.72	5.13	Flotillin-2	e6	414.07	20	19	48.6	21	e6	261.16	14	14	33.6	16	e6	308.62	14	14	36	15
180	Q9Z1E1	FLOT1_RAT	47754.67	6.71	Flotillin-1	e6	444.89	17	17	44.6	21	e6	273.17	12	12	36	14	e6	153.35	11	11	28.3	13
181	Q5XI77	Q5XI77_RAT	54467.97	7.53	Annexin A11	e6 (e8, e5)	429.74	19	18	35.6	28	e6	383.35	14	14	31.4	14	e6	128.76	6	6	12.1	6
182	Q3B7D0	HEM6_RAT	49816.78	8.8	Coproporphyrinogen-III oxidase, mitochondrial	e7 (e8, e1, e6, e9, e	430.93	15	14	33	38	e7 (e8, e2, e1, e4, e	417.16	18	17	42	39	e8 (e7)	436.63	19	18	45.6	38
183	Q5M7U6	ARP2_RAT	44990.33	6.3	Actin-related protein 2	e7	84.22	10	10	21.8	10							e7	278.89	17	16	40.4	21
184	P62738	ACTA_RAT	42380.96	5.23	Actin, aortic smooth muscle	e7	204.4	16	13	32.6	21	e7	257.78	15	14	32.6	21	e7	269.97	14	12	29.7	21
185	P19139	CSK21_RAT	45158.85	7.29	Casein kinase II subunit alpha	e7	338.53	17	16	37.9	21	e7	176.05	12	12	24.3	13	e7	227.88	17	17	43	19
186	Q6NYB8	Q6NYB8_RAT	47598.33	5.63	Ifi47 protein													e7	226.21	19	18	40	21
187	P61589	RHOA_RAT	22110.22	5.83	Transforming protein RhoA	e9 (e8)	135.55	12	10	43.5	15	e9	187.42	11	9	44	13	e9	370.73	17	15	82.9	21
188	P70550	RAB8B_RAT	23759.13	9.15	Ras-related protein Rab-8B	e9 (e8, e7)	220.26	16	13	60.4	29	e9 (e8)	297.38	17	14	60.4	23	e9	309.41	14	11	50.2	16
189	P61107	RAB14_RAT	24140.02	5.85	Ras-related protein Rab-14	e9 (e8, e2, e1, e6, e	462.43	16	14	78.1	60	e9 (e8, e2, e1, e6, e	445.13	16	14	77.7	42	e9	308.24	11	11	52.6	12
190	Q9QYP8	Q9QYP8_RAT	39573.54	5.44	A1b (Fragment)	e6 (e7, e10)	344.89	14	14	32.4	45												
191	P54313	GBB2_RAT	38048.34	5.6	Guanine nucleotide-binding protein G(I)/G(S)/G(	e8 (e7)	345.17	18	15	50.3	38	e8	130.36	9	8	26.8	19	e8	180.31	11	11	42.6	25
192	Q7TMA5	APOB_RAT	537740.44	7.05	Apolipoprotein B-100	e1 (e2)	151.51	18	18	3.5	26							e1	74.41	14	14	2.6	14
193	Q62935	VWF_RAT	48394.18	6.27	von Willebrand factor (Fragment)	e1 (e2)	405.28	19	19	50	25	e1	89.75	8	8	18.8	9	e1	66.52	4	4	9.8	4
194	Q5XI78	ODO1_RAT	117418.87	6.3	2-oxoglutarate dehydrogenase E1 component, r	e3	57.69	4	4	4.9	4	e3	194.02	18	18	17.9	20	e3	36.4	5	5	5	6
195	P24155	THOP1_RAT	79190.74	5.64	Thimet oligopeptidase													e4	306.97	20	19	30.9	20
196	O55096	DPP3_RAT	83386.04	5.12	Dipeptidyl-peptidase 3													e4	237.98	19	19	26.7	20
197	Q6AYK8	EIF3D_RAT	64575.64	5.79	Eukaryotic translation initiation factor 3 subunit D	e5	34.87	2	2	4.6	2							e5 (e6)	449.93	17	16	33.9	23
198	B5DEP6	B5DEP6_RAT	48280.37	6.1	Putative uncharacterized protein (Fragment)	e7	56.41	4	4	10.8	4	e7	85.53	4	4	10.5	4	e7 (e6)	374.11	19	19	54.1	37
199	P85515	ACTZ_RAT	42700.95	6.19	Alpha-centractin	e7	85.07	2	2	5.9	2	e7	91.53	3	3	8.2	4	e7 (e6)	473.63	17	17	47.6	25
200	Q5FVI6	VATC1_RAT	44043.99	7.02	V-type proton ATPase subunit C 1	e7 (e6)	377.55	18	18	46.6	23	e7	162.58	17	17	42.9	18	e7	124.81	4	4	13.4	5
201	P85970	ARPC2_RAT	34483.57	6.84	Actin-related protein 2/3 complex subunit 2	e8	46.84	4	4	12.7	4	e8	34.66	3	3	9	3	e8	268.39	16	16	56.3	20
202	Q6P3V9	Q6P3V9_RAT	47556.24	11.02	Ribosomal protein L4	e6 (e8, e7, e9)	203.9	19	15	33.5	50	e6 (e8, e7, e9, e5)	159.73	15	13	28.7	59	e8	48.56	4	4	11.2	4
203	P50279	STX2_RAT	33452.39	6.29	Syntaxin-2	e8 (e7, e3)	520.25	18	17	64.1	29	e8 (e9)	67.4	8	8	19.7	14	e8	33.81	5	5	16.9	5
204	P68370	TBA1A_RAT	50787.87	4.94	Tubulin alpha-1A chain							e6	289.92	18	18	45.5	20						
205	O88600	HSP74_RAT	94795.44	5.13	Heat shock 70 kDa protein 4	e3	40.42	2	2	2.6	2	e3	98.16	5	5	6.9	5	e4 (e3)	596.07	18	17	26	37
206	O35303	DNM1L_RAT	84369.32	6.64	Dynamin-1-like protein													e4	521.47	17	17	35	19
207	Q66HD0	ENPL_RAT	92998.47	4.72	Endoplasmin	e4	43.38	6	6	6	6	e4	146.24	18	18	18.8	19	e4	111.65	7	7	8.8	7
208	Q9Z2G8	NP1L1_RAT	45571.01	4.39	Nucleosome assembly protein 1-like 1	e6	42.52	3	3	7.2	3	e6 (e7)	86.45	6	6	15.9	7	e6 (e8, e7, e4, e5)	242.68	16	16	40.8	35
209	P85968	6PGD_RAT	53715.21	6.58	6-phosphogluconate dehydrogenase, decarboxy	e6 (e3, e5)	134.12	3	3	8.1	5	e6	80.77	3	3	2.3	3	e6 (e7, e5)	277.59	16	15	35.8	24
210	P51635	AK1A1_RAT	36710.99	6.84	Alcohol dehydrogenase [NADP+]	e8	51.82	2	2	9.5	2							e8	306.47	17	17	61.8	19
211	P04642	LDHA_RAT	36712.45	8.45	L-lactate dehydrogenase A chain	e8 (e7, e5)	292.18	16	16	56	21	e8	265.75	14	14	42.5	15	e8	288.52	17	17	56.3	18
212	Q99MI5	Q99MI5_RAT	34545	5.41	Spermidine synthase													e8	281.7	15	15	59.3	19
213	P04897	GNAI2_RAT	41043.27	5.28	Guanine nucleotide-binding protein G(i), alpha-2	e7	517.42	18	16	54.6	19	e7 (e8)	343.21	15	14	45.1	17	e8	154.94	6	6	21.4	6
214	P63102	1433Z_RAT	27924.81	4.73	14-3-3 protein zeta/delta	e9	250.83	13	12	48.6	14	e9	192.77	11	11	41.2	12	e9	305.53	17	15	55.1	19
215	P63025	VAMP3_RAT	11587.03	8.68	Vesicle-associated membrane protein 3	e10 (e8, e2, e1, e6,	466.18	12	10	67	47	e10 (e8, e2, e6, e7,	382.55	7	6	64.1	30	e10 (e9)	86.52	1	1	14.7	2
216	P50503	F10A1_RAT	41424.43	5.28	Hsc70-interacting protein	e6 (e2, e1, e7, e4, e	210.03	17	16	34	79	e6 (e7, e3)	73.01	7	7	18.8	14						
217	Q5XIL2	P4K2B_RAT	54999.85	6.4	Phosphatidylinositol 4-kinase type 2-beta	e6 (e2, e1, e7, e3, e	383.64	18	18	41.9	45	e6	248.38	12	12	30	12						
218	P02680	FIBG_RAT	51227.71	5.62	Fibrinogen gamma chain	e4 (e2, e1, e6, e3, e	338.34	16	16	37.1	39												
219	P10111	PPIA_RAT	18090.89	8.34	Peptidyl-prolyl cis-trans isomerase A	e9 (e8, e2, e1, e3, e	224.13	13	10	51.2	35	e9 (e3)	233.75	16	13	65.2	19	e9 (e8, e2, e6)	357.48	15	12	76.2	24
220	B1WC02	B1WC02_RAT	67282.34	6.14	Ctps protein	e5	70.17	1	1	2.7	2	e5	24.7	3	3	6.1	3	e5 (e4)	275.77	15	15	30.8	23
221	Q5U3Z7	Q5U3Z7_RAT	56242.83	8.46	Serine hydroxymethyltransferase	e6	125.88	6	6	14.1	6	e6	169.54	9	9	18.5	9	e6 (e4)	374.06	16	16	36.3	20
222	P11598	PDIA3_RAT	57043.87	5.88	Protein disulfide-isomerase A3	e6	204.19	14	14	33.7	15	e6	250.23	18	18	38	18	e6	110.45	10	10	20.2	10
223	Q66HG5	TM9S2_RAT	76619.75	7.23	Transmembrane 9 superfamily member 2	e6 (e7, e3, e5)	303.11	17	16	27.8	27	e6 (e7, e3)	219.22	15	14	23.4	22	e6	77.37	3	3	5.1	3
224	O08700	VPS45_RAT	65251.94	8.42	Vacuolar protein sorting-associated protein 45	e6 (e2, e1, e4, e3, e	336.38	14	14	26.3	48	e6 (e4, e3, e5)	312.52	14	14	23.2	25	e6	41.71	3	3	5.6	3
225	O70257	STX7_RAT	29946.38	5.32	Syntaxin-7	e8 (e2, e1, e6, e7, e	472.22	14	13	70.5	70	e8 (e2, e1, e6, e7, e	368.7	15	14	61.3	54	e8	224.85	9	9	37.2	10
226	P27952	RS2_RAT	31496.77	10.25	40S ribosomal protein S2	e8 (e6, e7, e9, e3)	197.92	14	14	46.1	42	e9 (e8, e2, e6, e7, e	192.91	15	15	43.7	50	e9 (e8)	121.15	11	11	34.8	22
227	P35213	1433B_RAT	28150.88	4.81	14-3-3 protein beta/alpha	e9	171.5	11	10	37.4	11	e9	135.65	12	12	40.7	12	e9	299.46	16	15	54.9	18
228	P62260	1433E_RAT	29326.48	4.63	14-3-3 protein epsilon	e9	166.82	5	5	22	6	e9	152.36	7	7	31	8	e9	253.13	17	16	62	18
229	P60522	GBRL2_RAT	13715.09	7.82	Gamma-aminobutyric acid receptor-associated	e10 (e8, e2, e1, e6,	254.66	13	12	73.5	60	e10 (e2, e1, e6, e7,	192.09	10	10	55.6	40						
230	Q7TP54	Q7TP54_RAT	145987.28	5.31	Ab2-162	e9 (e1, e10)	351.08	13	11	9.5	34	e9 (e10)	388.48	11	9	65.6	18	e9 (e1, e10)	405.17	13	11	69.4	26
231	A0JPJ7	OLA1_RAT	44792.28	7.62	Obg-like ATPase 1	e7 (e2, e6, e3)	104.1	5	5	15.4	9	e7	153.36	9	9	25.8	9	e7 (e1, e6, e4, e5)	219.99	15	15	39.6	22
232	O88775	EMB_RAT	37437.69	5.22	Embigin	e4 (e2, e1, e6, e3, e	330.82	10	9	27.7	50	e5 (e2, e6, e4, e3)	336.18	10	9	27.7	42	e4 (e2, e3, e5)	284.47	9	8	27.4	31
233	Q9ESW0	DDB1_RAT	128035.78	5.21	DNA damage-binding protein 1							e3	63.1	4	4	3.2	4	e3	184.52	16	16	15.5	17
234	Q8CGU6	NICA_RAT	79034.69	5.51	Nicastrin	e3	552.29	13	12	24.7	17	e3	388.42	12	11	20.6	15	e3	90.49	5	5	7.2	5
235	Q3T1L0	A16A1_RAT	86159.01	5.77	Aldehyde dehydrogenase family 16 member A1													e4 (e3)	440.96	15	15	24.8	18
236	O09175	AMPB_RAT	73371.57	5.47	Aminopeptidase B													e5	331.06	16	16	30.8	17
237	P48721	GRP75_RAT	74096.96	5.97	Stress-70 protein, mitochondrial							e5	213.66	11	11	16.1	13	e5	211.24	16	16	24.3	17
238	Q4KM49	SYYC_RAT	59420.14	6.57	Tyrosyl-tRNA synthetase, cytoplasmic													e6	241.52	17	17	32	17
239	O35511	O35511_RAT	17553.29	8.8	A regulatory subunit of protein phosphatase 2A (Fragment)													e6	237.89	14	10	72.9	17
240	Q6AZ33	Q6AZ33_RAT	33657.57	5.97	Biliverdin reductase A	e8	105.92	4	4	16.3	4	e8	93.93	4	4	13.6	4	e8 (e6)	387.07	15	15	67.1	35

241	Q6AYR1	Q6AYR1_RAT	43126.01	4.94	Trk-fused gene	e6	84.68	5	5	19.1	6	e6 (e2)	364.09	13	10	34.2	20	e6	29.72	7	7	21.1	8
242	Q99PD4	ARC1A_RAT	42142.89	8.46	Actin-related protein 2/3 complex subunit 1A													e7	259.61	14	14	50	17
243	Q91Y77	MOT10_RAT	56367.72	6.26	Monocarboxylate transporter 10	e7 (e2, e1, e6, e3)	259.29	17	15	24.7	40	e7 (e6)	188.04	15	13	23.2	20	e7	87.85	4	4	7	4
244	P63245	GBLP_RAT	35510.73	7.6	Guanine nucleotide-binding protein subunit beta	e8	373.17	15	15	53.9	17	e8	301.34	11	11	41	13	e8	286.86	13	13	43.8	15
245	Q68FR9	Q68FR9_RAT	72653.43	6.11	Eukaryotic translation elongation factor 1 delta (Guanine nucleotide exchange protein)							e8	48.38	5	5	7.8	5	e8 (e9)	277.23	15	15	26.2	28
246	B0BNA7	EIF3I_RAT	36836.74	5.38	Eukaryotic translation initiation factor 3 subunit I	e8	61.39	7	7	23.7	7	e8	123.36	8	8	26.5	8	e8	273.04	14	14	63.4	17
247	Q9Z2L0	VDAC1_RAT	30850.62	8.62	Voltage-dependent anion-selective channel prot	e8 (e9)	473.42	15	15	67.8	23	e8 (e9)	206.96	9	9	38.9	16	e8	82.6	4	4	16.3	4
248	O70319	O70319_RAT	30562.67	5.44	Syntaxin 13	e8 (e2, e1, e4, e3)	290.88	12	11	51.7	28	e8 (e9)	244.55	9	9	37.5	14	e8	79.82	5	5	28.8	5
249	P84079	ARF1_RAT	20740.69	6.32	ADP-ribosylation factor 1	e9	238.55	14	11	56.9	17	e9	142.06	12	10	49.2	13	e9	290.81	14	11	57.5	17
250	Q5QJC9	BAG5_RAT	51568.75	5.84	BAG family molecular chaperone regulator 5	e6 (e2, e1, e4, e3, e	385.38	17	17	48.1	30	e6	52.97	1	1	3.8	1						
251	Q5BK33	Q5BK33_RAT	51343.02	5.95	p55 protein	e6 (e2, e5)	195.46	11	11	31.7	14	e6 (e4, e3)	288.5	15	15	41.8	21	e6 (e2, e1, e4, e3, e5	328.37	14	14	41.3	24
252	P18297	SPRE_RAT	28509.63	5.55	Sepiapterin reductase	e9	132.04	4	4	22.5	5	e9	158.94	4	4	25.2	5	e9 (e2, e6, e7)	402	13	12	70.6	23
253	P01026	CO3_RAT	187824.96	6.12	Complement C3	e3	19.92	4	4	2.6	4	e7 (e3, e5)	42.64	5	5	3.7	14	e5 (e2, e7, e4, e3)	226.15	13	11	6.2	44
254	Q4QQT4	2AAB_RAT	66648.72	4.99	Serine/threonine-protein phosphatase 2A 65 kD	e6	37.87	1	1	3	1	e6	41.28	1	1	3	1	e6 (e4, e3, e5)	297.91	14	12	23	32
255	P35525	CLCN2_RAT	100177.05	9.01	Chloride channel protein 2	e2 (e1, e6, e4, e3)	328.22	15	14	18.7	65	e4 (e2, e1, e3)	259.57	12	11	16	27	e4	57.09	3	2	2.5	3
256	O54902	NRAM2_RAT	62806.55	5.42	Natural resistance-associated macrophage prot	e5 (e2, e1, e6, e4, e	285.65	9	9	19.7	48	e4 (e2, e6, e3, e5)	116.82	4	4	6.5	18	e5 (e4)	46.1	2	2	4.2	3
257	Q63135	CRRY_RAT	63407.39	5.29	Complement regulatory protein Crry	e5 (e4)	149.16	13	11	25.8	21	e5	112.59	10	9	19.9	11	e5	33.16	3	2	3.9	3
258	P11980	KPYM_RAT	58294.07	6.63	Pyruvate kinase isozymes M1/M2	e6 (e5)	162.93	12	12	23.2	15	e6	173.94	12	12	22.8	12	e6	219.14	14	13	25.4	16
259	Q8VHF5	CISY_RAT	52175.59	8.53	Citrate synthase, mitochondrial	e7	117.09	12	12	25.8	14	e7	106.16	10	10	21.9	11	e7 (e6)	115.65	12	12	32.2	22
260	P09606	GLNA_RAT	42981.58	6.64	Glutamine synthetase													e7	182.91	14	14	31.4	16
261	Q63016	LAT1_RAT	56550.93	8.18	Large neutral amino acids transporter small sub	e8 (e2, e1, e6, e7, e	235.21	12	12	16.6	44	e8 (e1, e6, e7, e4, e	284.2	10	10	14.8	31	e8 (e7, e9)	175.06	6	6	11.1	15
262	P06214	HEM2_RAT	36464.56	6.32	Delta-aminolevulinic acid dehydratase	e8	249.46	7	7	38.5	8	e8	91.23	5	5	19.7	5	e8	310.06	13	13	60.6	16
263	Q6P790	Q6P790_RAT	33509.94	10.78	60S ribosomal protein L6 (Fragment)	e7 (e8, e6, e10, e4,	180.59	13	13	39.4	58	e9 (e8, e6, e7, e10)	180.28	11	11	33	37	e9 (e8)	125.59	8	8	26.9	12
264	B0BNK1	B0BNK1_RAT	23638.85	8.64	RCG32615, isoform CRA_a	e9 (e8, e7)	376.88	13	11	63.9	24	e9 (e7, e3)	272.69	11	10	55.1	20	e9	245.36	11	10	52.8	12
265	P62425	RL7A_RAT	30148.09	10.61	60S ribosomal protein L7a	e9 (e8)	197.57	15	15	42.5	23	e9	291.12	15	15	44.4	16	e9	99.2	11	11	30.8	12
266	Q6LED0	H31_RAT	15508.53	11.13	Histone H3.1	e10 (e9)	105.08	12	12	70.6	45	e10	50.75	10	10	42.6	15	e10 (e9)	147.16	9	9	58.8	18
267	Q62638	GSLG1_RAT	137346.63	6.52	Golgi apparatus protein 1	e3 (e2, e1)	255.23	16	16	15.1	22	e3	71.58	5	5	4.4	5						
268	P51796	CLCN5_RAT	83983.18	6.43	H(+)/Cl(-) exchange transporter 5	e4 (e2)	275.44	11	10	16	24	e4	206.01	8	8	12.9	11						
269	P56603	SCAM1_RAT	38372.97	7.62	Secretory carrier-associated membrane protein	e8 (e2, e3)	207.89	15	14	38.2	20	e8	76.82	7	7	21	7						
270	B5DF55	B5DF55_RAT	59953.58	4.74	Signal transducing adaptor molecule (SH3 dom	e5 (e2, e1)	129.47	6	6	13.5	10	e5 (e2, e1, e6, e7, e	241.77	15	13	29.3	42	e5 (e1, e6, e4, e3)	310.86	12	12	28.9	25
271	Q6IRJ7	Q6IRJ7_RAT	50272.45	5.91	Annexin A7	e6	86.24	7	7	14.3	7	e6 (e8)	128.29	9	9	19	10	e6 (e8, e1, e7)	208.88	14	12	25.5	26
272	Q7TQ88	Q7TQ88_RAT	15560.73	6.36	Ac1075 (Fragment)	e9 (e8, e2, e1, e6, e	225.2	11	10	67.2	30	e9 (e8, e2, e6, e7, e	236.28	13	12	83.2	25	e9 (e8, e2, e1, e7, e3	158.08	11	10	72.3	17
273	B1WBX5	B1WBX5_RAT	67972.09	8.78	Solute carrier family 43, member 1	e5 (e2, e1, e6, e4, e	253.93	12	12	21.1	51	e4 (e2, e6, e9, e3, e	238.71	10	10	20	42	e5 (e1, e6, e4, e3)	145.31	8	8	14.9	23
274	Q5FWU3	ATG9A_RAT	95397.44	6.17	Autophagy-related protein 9A	e3 (e2, e1, e4, e5)	151.38	14	13	18	51	e2 (e1, e4, e3)	119.01	13	13	15.6	45	e1 (e3)	27.96	4	4	3.5	6
275	A1A5P6	A1A5P6_RAT	83799.07	6.23	Putative uncharacterized protein (Fragment)							e3	41.9	4	4	5	4	e3 (e2, e4, e5)	80.74	14	14	20.1	24
276	Q5M9I2	Q5M9I2_RAT	117077.79	6.01	Mannosidase, alpha, class 2C, member 1													e3	188.05	15	15	17.3	15
277	B5DFK1	B5DFK1_RAT	139926.4	7.52	Copa protein							e3	85.41	3	3	4.1	3	e3 (e8, e7)	154.17	14	14	12.3	18
278	Q5D008	Q5D008_RAT	90806.81	4.81	Tnpo1 protein (Fragment)													e4	256.35	14	14	19.9	15
279	Q68FP1	GELS_RAT	86413.21	5.76	Gelsolin							e4	53.4	2	2	3.3	2	e4 (e7)	132.32	14	12	12.6	17
280	Q6AXT5	RAB21_RAT	24547.32	8.11	Ras-related protein Rab-21	e9 (e8, e2, e1, e6, e	394.87	13	13	57.8	33	e9 (e2, e6, e7, e10,	405.17	13	13	58.7	20	e9 (e8, e6, e7, e4, e5	184.51	7	7	33.2	20
281	P18418	CALR_RAT	48136.9	4.33	Calreticulin	e6	158.79	14	14	37.3	15	e6	120.52	12	12	28.6	13	e6	112.58	9	9	25.2	10
282	B2RYN1	B2RYN1_RAT	34375.22	7.72	Fructosamine-3-kinase-related protein	e8	54.99	2	2	5.8	2							e8 (e6)	317.51	13	12	34	18
283	Q4G079	Q4G079_RAT	34951.13	8.52	Small inducible cytokine subfamily E, member 1							e7	40.9	5	5	14	5	e7	222.96	13	13	53.7	15
284	Q64620	PPP6_RAT	35820.72	5.43	Serine/threonine-protein phosphatase 6 catalytic subunit													e8	176.41	12	12	38.7	15
285	Q09073	ADT2_RAT	33108.23	9.74	ADP/ATP translocase 2	e9 (e8, e7)	178.73	13	13	37.6	26	e9 (e8, e7, e3)	182.44	12	12	36.6	26	e9 (e8)	210.26	15	15	50	21
286	O35509	RB11B_RAT	24587.53	5.64	Ras-related protein Rab-11B	e9 (e8, e2, e6, e7, e	406.29	13	12	58.7	40	e9 (e8, e2, e7, e10,	362.95	10	9	48.2	25	e9	327.29	10	10	50.9	11
287	P15865	H12_RAT	21974.04	11.1	Histone H1.2	e9 (e8, e6, e7, e10)	175.62	10	10	33.8	48	e9 (e8, e7, e10)	256.78	11	11	37	36	e9	125.97	9	9	29.7	9
288	Q6PDV7	RL10_RAT	25044.04	10.11	60S ribosomal protein L10	e9	122.14	10	10	46.3	12	e9	163.82	14	12	51.4	15	e9	33.7	6	6	17.3	6
289	Q5U211	SNX3_RAT	18807.78	8.71	Sorting nexin-3	e9 (e8, e2, e6)	176.64	13	13	79	30	e9	70.19	9	9	45.1	10						
290	P05708	HXK1_RAT	103539.56	6.29	Hexokinase-1	e3	34.16	1	1	1.6	1							e4 (e2, e3)	119.19	12	12	16.6	16
291	Q66H32	Q66H32_RAT	46947.42	4.49	RAN GTPase activating protein 1													e5 (e8, e7, e4)	289.08	12	12	32.3	23
292	P61765	STXB1_RAT	67925.01	6.49	Syntaxin-binding protein 1	e5 (e2, e3)	167.95	14	14	29.8	20	e5	161.54	8	8	18	8	e5	75.82	6	6	12.6	6
293	Q6XQN1	PNCB_RAT	59040.84	5.86	Nicotinate phosphoribosyltransferase													e6	317.01	12	11	29.9	14
294	Q6P7B0	SYWC_RAT	54622.1	6.04	Tryptophanyl-tRNA synthetase, cytoplasmic													e6	273.33	12	12	34.3	14
295	P60123	RUVB1_RAT	50524.43	6.02	RuvB-like 1	e6	91.22	4	4	10.3	4							e6	152.55	14	14	36.2	14
296	P26453	BASI_RAT	42865.37	5.22	Basigin	e6 (e7, e5)	253.06	12	11	27.8	33	e6 (e7)	195.28	11	10	25.3	26	e6 (e7)	105.8	7	7	19.8	13
297	Q32Q05	OTU1_RAT	37949	5.61	Ubiquitin thioesterase OTU1	e8	40.74	2	2	6.1	2	e8	51.32	3	3	8.5	3	e8 (e6)	288.89	13	13	55.1	15
298	Q91ZN1	COR1A_RAT	51717.22	6.05	Coronin-1A	e6 (e7)	165.84	14	14	33.4	16	e6	108.11	8	8	20.4	8	e6	39.27	4	4	16.5	5
299	Q812C4	Q812C4_RAT	16441.43	5.11	Translation initiation factor 4A, isoform 1 (Fragm	e7	93.19	9	7	39.1	9	e7	76.77	13	11	65.2	13	e7 (e6)	68.7	12	11	65.2	18
300	Q5RKH2	Q5RKH2_RAT	42805.65	5.24	Galactokinase 1							e7	41.21	2	2	5.4	2	e7	269.07	14	14	40.6	14
301	Q63468	KPRA_RAT	39752.75	6.73	Phosphoribosyl pyrophosphate synthetase-associated protein 1													e7 (e8)	232.34	12	12	41.6	16
302	Q64640	ADK_RAT	40450.41	5.72	Adenosine kinase													e7	211.98	12	12	35.2	14
303	P19945	RLA0_RAT	34364.86	5.91	60S acidic ribosomal protein P0	e8	263.58	9	9	37.5	11	e8 (e9)	199.29	9	9	37.5	11	e8 (e9)	304.5	10	10	43.2	18
304	P09330	PRPS2_RAT	35190.13	6.15	Ribose-phosphate pyrophosphokinase 2													e8	178.22	11	10	39.6	14
305	P07943	ALDR_RAT	36230.44	6.26	Aldose reductase													e8	107.62	14	14	41.1	14
306	P45592	COF1_RAT	18748.75	8.22	Cofilin-1	e9	286.91	11	10	60.2	13	e9	187.87	6	6	45.2	6	e9 (e8)	295.09	13	13	68.1	16
307	B0BNN3	CAH1_RAT	28339.26	6.86	Carbonic anhydrase 1	e9 (e8, e1, e6, e7)	215.49	12	11	63.6	20	e9	232.66	11	10	54.8	12	e9	270.63	13	12	67.4	14
308	O88565	O88565_RAT	23827.88	8.32	RAB5A, member RAS oncogene family	e9 (e2, e1, e7, e3)	334	13	12	67.4	31	e9 (e7)	260.45	12	11	56.3	17	e9	225.19	10	9	44.2	11
309	P35281	RAB10_RAT	23071.92	9.1	Ras-related protein Rab-10													e9	164.18	12	12	58.5	14
310	P62243	RS8_RAT	24475.27	10.32	40S ribosomal protein S8	e9	203.86	12	12	51	13	e9 (e10)	272.09	14	14	61.1	17	e9	159.04	9	9	47.1	9
311	P61983	1433G_RAT	28455.98	4.8	14-3-3 protein gamma	e9	94.79	7	7	26.3	7							e9	156.51	13	12	44.5	14
312	P49242	RS3A_RAT	30153.82	9.75	40S ribosomal protein S3a	e8 (e9)	188.31	12	11	44.7	24	e9 (e8)	238.3	14	12	45.1	20	e9	100.34	8	8	32.2	8
313	P63081	VATL_RAT	15797.51	9.1	V-type proton ATPase 16 kDa proteolipid subun	e10	311.4	8	3	34.2	14	e10	45.64	2	1	11.6	3	e10	50.24	1	1	20	1
314	B4F767	B4F767_RAT	99286.26	6.77	WW domain containing E3 ubiquitin protein liga	e1 (e2, e4, e3)	256.21	13	13	18.2	45	e3 (e4)	82.88	7	7	8.7	11						
315	Q6AY41	CC50A_RAT	37263.13	8.98	Cell cycle control protein 50A	e5 (e6, e4)	200.85	14	13	33.2	29	e6 (e5)	110.89	9	9	24.1	16						
316	Q3B8R4	Q3B8R4_RAT	66305.08	6.39	Igh-6 protein	e4 (e5)	150.72	9	9	16.5	24												
317	Q3B7U7	Q3B7U7_RAT	41682.61	6.02	Tln1 protein (Fragment)	e1	112.49	6	6	23.8	7							e1 (e2)	233.5	12	12	45.9	25
318	P51111	HD_RAT	347478.19	5.91	Huntingtin													e1	116.67	13	13	5	13
319	P62989	UBIQ_RAT	8559.62	6.56	Ubiquitin	e9 (e8, e2, e1, e6, e	132.45	10	9	44.9	93	e9 (e8, e2, e1, e6, e	136.12	8	8	41.7	92	e2 (e8, e1, e6, e7, e4	91.72	7	7	77.6	66
320	Q68FS2	CSN4_RAT	46545.8	5.6	COP9 signalosome complex subunit 4													e7	226.84	10	10	27.6	13
321	P00507	AATM_RAT	47683.25	9.13	Aspartate aminotransferase, mitochondrial	e7	115.94	5	5	12.8	5	e7	295.76	12	12	31.2	13	e7	194.52	7	7	19.8	7

322	Q6DGG0	PPID_RAT	41138.91	6.73	40 kDa peptidyl-prolyl cis-trans isomerase													e7	156.35	11	11	31.6	13
323	O08618	KPRB_RAT	41239.49	6.73	Phosphoribosyl pyrophosphate synthetase-associated protein 2													e7	117.35	11	11	37.4	13
324	Q63377	AT1B3_RAT	32151.28	8.08	Sodium/potassium-transporting ATPase subunit	e7 (e8, e2, e6, e3)	239.88	11	11	38	33	e7 (e8)	190.84	8	8	28.7	19	e8 (e7)	135.78	7	7	29	12
325	Q4QQR9	MEMO1_RAT	34056.62	6.67	Protein MEMO1	e8	31.16	4	4	12.5	5	e8	33.35	5	4	17.8	6	e8	269.93	10	10	45.5	13
326	B0BNE5	ESTD_RAT	31970.6	6.44	S-formylglutathione hydrolase	e8	51.94	3	3	18.1	3	e8	43.68	2	2	8.5	2	e8 (e9)	254.87	9	9	45.7	22
327	O88989	MDHC_RAT	36631.11	6.16	Malate dehydrogenase, cytoplasmic	e8	73.22	4	4	14.4	4	e8	50.38	4	4	15.6	4	e8	216.81	13	12	35.3	13
328	Q32PX2	MCA2_RAT	35705.42	8.51	Multisynthetase complex auxiliary component p	e8	46.71	2	2	6.6	2	e8	50.67	4	4	14.1	4	e8 (e9)	146.29	9	9	37.2	16
329	P07150	ANXA1_RAT	39147.05	6.97	Annexin A1	e8 (e7)	253.92	12	12	37	18	e8 (e7, e4)	213.4	10	10	28	15	e8	55.12	2	2	5.5	2
330	Q62636	RAP1B_RAT	21012.67	5.65	Ras-related protein Rap-1b	e9 (e8, e7)	296.8	13	13	73.9	16	e9 (e4)	245.86	12	11	54.9	14	e9 (e8)	217.52	10	9	57.1	12
331	P48500	TPIS_RAT	27344.94	6.89	Triosephosphate isomerase	e9	67.8	3	3	22.9	3	e9	96.31	4	4	23.3	4	e9	338.5	10	10	61.4	13
332	P67779	PHB_RAT	29858.92	5.57	Prohibitin	e9	199.37	7	7	31.6	8	e9	302.14	11	11	47.4	13	e9	187.42	8	8	41.9	9
333	A1L1J8	A1L1J8_RAT	23887.96	8.29	RAB5B, member RAS oncogene family	e9	288.67	12	11	56.3	13	e9	224.96	10	9	44.2	11	e9	160.95	10	10	49.8	10
334	Q6PCU2	VATE1_RAT	26168.86	8.44	V-type proton ATPase subunit E 1	e9 (e8, e7)	154.26	12	11	42	21	e9 (e7)	118.67	10	10	41.6	13	e9	68.41	2	2	10.2	3
335	P24049	RL17_RAT	21611.45	10.2	60S ribosomal protein L17	e9	77.99	8	8	40.2	8	e9 (e8)	143.71	12	12	48.4	15	e9	43.01	4	4	16.3	4
336	P29314	RS9_RAT	22634.58	10.66	40S ribosomal protein S9	e9	62.79	13	12	44.8	13	e9	52.67	11	11	40.7	12	e9	28.4	6	6	24.2	6
337	P85972	VINC_RAT	117112.49	5.83	Vinculin	e3	91.8	9	9	9.3	10	e3	100.28	12	12	12.1	13						
338	P27615	SCRB2_RAT	54512.52	4.91	Lysosome membrane protein 2	e4	172.1	12	10	22.8	13	e4	59.26	7	6	12.3	8						
339	B0BNG3	B0BNG3_RAT	40709.33	6.46	Lman2 protein	e8 (e7)	253.85	12	12	42.5	19	e8	105.3	6	6	17.3	6						
340	Q5RK10	Q5RK10_RAT	23545.42	11.02	Neuroprotective protein 11	e9	76.7	13	12	46.8	13	e9	56.17	12	11	40.9	12						
341	Q5U1Z5	Q5U1Z5_RAT	51988.93	5.28	Nedd4l protein	e1 (e2, e4, e3)	167.52	10	9	22.3	38												
342	Q7TNK7	Q7TNK7_RAT	49258.02	6.64	Rh blood group-associated glycoprotein	e4 (e2, e3, e5)	130.24	7	5	23.3	25	e5 (e4)	76.83	4	4	16.2	13	e6 (e2, e4, e3, e5)	275.52	7	5	24	44
343	O55158	O55158_RAT	26212.45	5.64	D6.1A protein	e9 (e8, e7)	109.65	9	8	30.6	30	e9 (e8)	97.94	9	8	26	17	e9 (e2)	125.63	7	7	28.9	8
344	Q5I0G4	SYG_RAT	72668.6	5.76	Glycyl-tRNA synthetase (Fragment)													e4	208.37	11	11	20.1	12
345	Q5XIR9	UBAC1_RAT	45746.16	4.85	Ubiquitin-associated domain-containing protein 1													e6	196.29	11	11	35.7	12
346	Q5XIL1	Q5XIL1_RAT	51339.81	6.25	ATPase, H+ transporting, lysosomal V1 subunit	e6 (e3, e5)	229.43	12	11	30.6	16	e6	109.21	6	5	17	6	e6	88.22	5	5	18.1	5
347	Q66H28	TM206_RAT	40332.56	7.01	Transmembrane protein 206	e6 (e3, e5)	189.5	12	12	40	17	e6	43.65	8	8	25.1	8	e6	47.57	1	1	2.3	1
348	P32551	QCR2_RAT	48423.2	9.16	Cytochrome b-c1 complex subunit 2, mitochond	e7	265.61	8	8	25	9	e7	263.91	10	9	24.8	12	e7	341.21	9	9	26.3	11
349	Q91Y81	SEPT2_RAT	41737.4	6.15	Septin-2	e7	46.03	1	1	4.4	1							e7 (e8)	181.44	10	10	39.1	14
350	P38918	ARK73_RAT	37122.48	6.79	Aflatoxin B1 aldehyde reductase member 3	e8	57.08	1	1	4.6	1	e8	49.57	1	1	4.6	1	e8	143.18	11	10	30.9	12
351	Q5XIH7	PHB2_RAT	33291.91	9.83	Prohibitin-2	e8	165.52	10	10	34.1	12	e8 (e9)	145.33	11	11	33.8	16	e8	111.02	6	6	20.1	6
352	Q5XIU5	PSMF1_RAT	30006.94	5.08	Proteasome inhibitor PI31 subunit							e9	62.32	2	2	11.8	2	e9 (e8)	168	9	9	35.1	14
353	P68511	1433F_RAT	28365.09	4.81	14-3-3 protein eta	e9	189.94	10	10	42.3	10	e9	128.97	8	8	31.7	8	e9	134.87	12	11	41.9	12
354	P62919	RL8_RAT	28235.37	11.03	60S ribosomal protein L8	e9 (e8, e1)	174.94	10	10	39.3	16	e9 (e8, e6, e10)	123.16	8	8	26.1	18	e9	108.45	6	6	21.4	6
355	Q64535	ATP7B_RAT	157430.52	6.41	Copper-transporting ATPase 2	e1 (e2, e3)	136.14	12	12	11	27	e3 (e2, e1, e4)	77.33	7	7	5.4	28						
356	P51792	CLCN3_RAT	91822.55	5.88	H(+)/Cl(-) exchange transporter 3	e3 (e8, e1, e4)	154.87	8	7	11.1	30	e4 (e8, e3)	162.44	8	8	11.4	24						
357	Q6P7S0	Q6P7S0_RAT	53472.59	7.96	Pyruvate kinase	e6	161.22	11	11	25.9	12	e6	213.7	11	11	25.5	12						
358	O70377	SNP23_RAT	23505.47	4.82	Synaptosomal-associated protein 23	e9	246.43	12	9	48.6	12	e9	144.75	8	6	35.7	9						
359	O88298	O88298_RAT	46951.5	9.19	Rh blood group protein	e9 (e8, e2, e1, e6, e	152.15	4	3	13.3	24	e9 (e8, e2, e6, e7, e	132.22	3	3	13.3	25	e9 (e8, e2, e1, e6, e7	180.39	7	6	19.9	35
360	Q9WTQ2	PODXL_RAT	52025.87	4.78	Podocalyxin	e3 (e2, e1)	132.72	7	7	16.7	20	e3	147.59	7	7	16.1	10	e3	39.26	5	5	13.8	5
361	P18292	THRB_RAT	71792.22	6.28	Prothrombin	e8	34.54	2	2	2.4	2							e4 (e8, e6, e3)	250.62	10	9	12.6	25
362	P54319	PLAP_RAT	88510.96	5.72	Phospholipase A-2-activating protein													e4	277.1	10	10	17.2	11
363	Q8K3F0	Q8K3F0_RAT	58818	5.95	Na+-dependent amino acid transporter ASCT2	e4 (e2, e1, e6, e3, e	173.01	8	7	14.2	33	e5 (e6, e4, e3)	137.18	6	5	9.1	21	e5 (e4)	109.62	5	5	8.3	11
364	Q62753	STXB2_RAT	67109.87	6.31	Syntaxin-binding protein 2	e5 (e1, e3)	203.58	11	9	18.2	16	e5 (e3)	48.99	6	6	12.1	8	e5	246.61	8	8	20.5	9
365	Q6TXG7	Q6TXG7_RAT	76067.48	8.11	Serine hydroxymethyltransferase													e6	213.46	11	11	21.1	11
366	Q5U2Z3	NP1L4_RAT	44117.54	4.58	Nucleosome assembly protein 1-like 4													e6 (e8, e7)	180.41	9	9	25.6	16
367	P05065	ALDOA_RAT	39783.45	8.31	Fructose-bisphosphate aldolase A	e7	111.15	7	7	21.4	8	e7	47.27	6	6	18.4	6	e7	205.01	10	10	25	11
368	P12711	ADHX_RAT	40348.48	7.45	Alcohol dehydrogenase class-3													e7	191.76	10	10	44.4	11
369	P20650	PPM1A_RAT	42959.92	5.19	Protein phosphatase 1A													e7	140.7	9	9	24.3	11
370	P17764	THIL_RAT	45008.55	8.92	Acetyl-CoA acetyltransferase, mitochondrial	e7	75.63	3	3	9.2	4	e7	82.32	5	5	16.7	6	e7	123.78	10	10	26.4	11
371	P62142	PP1B_RAT	37960.93	5.84	Serine/threonine-protein phosphatase PP1-beta	e8	126.94	2	2	10.6	2	e8	105.38	2	2	10.6	2	e8	219.92	9	9	30.9	11
372	P27605	HPRT_RAT	24689.62	6.07	Hypoxanthine-guanine phosphoribosyltransferas	e9	56.52	3	3	15.1	3	e9	37.13	1	1	4.6	1	e9	283.99	10	9	59.2	11
373	P51146	RAB4B_RAT	23899.06	5.8	Ras-related protein Rab-4B	e9	286.77	9	9	50.2	11	e9	212.14	7	7	38	9	e9	164.33	4	4	22.5	5
374	Q9R1Z0	VDAC3_RAT	31177.53	8.91	Voltage-dependent anion-selective channel prot	e9 (e8)	266.78	10	10	44.5	16	e9	231.75	8	8	35	9	e9	87.09	2	2	13.8	2
375	P62083	RS7_RAT	22113.26	10.09	40S ribosomal protein S7	e9	120.38	7	7	35.1	7	e9	161.79	11	11	46.9	11	e9	69.96	8	8	38.7	8
376	Q6RUV5	RAC1_RAT	21835.39	8.77	Ras-related C3 botulinum toxin substrate 1	e9	139.99	10	10	51	11	e9	88.03	9	9	41.1	10	e9	63.18	7	7	34.4	7
377	P62282	RS11_RAT	18590.06	10.31	40S ribosomal protein S11	e9	105.03	8	8	43.7	8	e9	95.61	11	11	58.9	11	e9	31.87	6	6	29.1	6
378	P62963	PROF1_RAT	15118.58	8.46	Profilin-1	e10	338.9	9	9	67.1	11	e10	73.98	3	3	29.3	3	e10	123.48	5	5	39.3	5
379	Q924W2	Q924W2_RAT	109700.71	6.53	Integrin alpha 6 subchain (Fragment)	e3	109.46	7	7	8.4	7	e3	188.28	10	10	12	11						
380	Q9EQG6	KDIS_RAT	197247.2	6.26	Kinase D-interacting substrate of 220 kDa	e1 (e2, e3)	182.65	10	10	6	16	e3	46.54	1	1	1.2	1						
381	Q2I6B0	Q2I6B0_RAT	93850.11	6.02	V-H+ATPase subunit a3	e3 (e4)	137.69	5	5	7.6	10	e4	275.64	9	9	12.8	11						
382	P35565	CALX_RAT	67611.76	4.49	Calnexin	e5 (e4)	46.87	3	3	4.9	7	e4 (e5)	179.07	10	10	18.6	17						
383	Q9WTN5	TPC1_RAT	94800.01	8.71	Two pore calcium channel protein 1	e4 (e2, e1, e3)	171.36	11	11	14.9	27	e4	63.12	5	5	6.9	5						
384	Q9EPH8	PABP1_RAT	70883.97	9.52	Polyadenylate-binding protein 1							e5	134.91	9	9	16.4	11						
385	O09014	S15A4_RAT	62592.81	9.32	Solute carrier family 15 member 4	e5 (e6)	183.8	9	9	18.9	15	e5 (e6)	127.46	8	8	15.4	12						
386	Q9R066	CXAR_RAT	40493.38	6.94	Coxsackievirus and adenovirus receptor homolo	e6 (e7)	130.8	10	10	32.9	15	e6 (e7)	97.15	7	6	18.1	10						
387	Q05962	ADT1_RAT	33196.32	9.81	ADP/ATP translocase 1	e9	118.41	10	10	30.5	10	e9	141.94	10	10	30.9	11						
388	Q5U316	RAB35_RAT	23295.87	8.52	Ras-related protein Rab-35	e9	178.06	9	8	36.3	11	e9	113.88	7	7	27.4	11						
389	Q4KM50	Q4KM50_RAT	80624.82	8.59	Sema4b protein (Fragment)	e3	94.34	11	11	18.3	11												
390	Q66HJ7	Q66HJ7_RAT	90996.54	6.3	Ptpra protein	e3 (e2, e1)	147.36	6	6	8.8	18	e3 (e2)	179.07	10	10	14.8	14						
391	Q62910	SYNJ1_RAT	173970.02	6.43	Synaptojanin-1													e3 (e2, e1)	134.33	10	10	7.4	20
392	Q9JLZ1	GLRX3_RAT	38110.53	5.51	Glutaredoxin-3	e7 (e6)	152.09	2	2	10.1	5	e7 (e2, e6, e9, e3)	134.45	3	3	14.2	11	e7 (e8, e2, e1, e6, e4	246.04	7	7	30.9	25
393	O35102	O35102_RATRT	52357.19	6.73	Dihydroorotase (Fragment)	e1	49.76	2	2	4.2	2							e2 (e1)	69.81	10	10	21.9	13
394	Q2PQA9	KINH_RAT	110203.98	6.06	Kinesin-1 heavy chain													e3	219.74	10	10	13.8	10
395	P49744	TSP4_RAT	110882.06	4.51	Thrombospondin-4													e4 (e3)	170.52	9	9	11.2	14
396	P13838	LEUK_RAT	38402.31	4.92	Leukosialin (Fragment)	e3 (e2, e4)	134.23	8	8	20.9	15	e4 (e3)	63.93	3	3	9.5	7	e3	51.32	3	3	11.6	4
397	B5DFC1	B5DFC1_RAT	72978.1	5.15	Vps35 protein (Fragment)	e4 (e2, e1, e3)	175.43	9	9	19.7	22	e4	87.67	6	6	13.2	6	e4	272.81	9	9	20.5	10
398	Q52KS1	Q52KS1_RAT	86143.88	8.07	Phosphofructokinase, muscle													e4	132.68	10	9	11.2	10
399	Q8VIA9	Q8VIA9_RAT	68138.21	5.56	Ecotropic retrovirus receptor	e4 (e2, e6, e3, e5)	154.46	9	7	14.4	25	e5 (e2, e6, e4, e3)	181.01	5	4	8.5	26	e4 (e5)	113.52	7	7	14.4	11
400	B2GVB9	B2GVB9_RAT	76145.16	6.63	Fermt3 protein	e5	47.96	3	3	4.7	3	e5	64.03	4	4	6	5	e5 (e8, e4)	186.56	10	10	14.3	18
401	O70196	PPCE_RAT	81659.3	5.59	Prolyl endopeptidase													e5	170.06	10	10	18.3	10
402	Q8VIF7	SBP1_RAT	53068.67	6.1	Selenium-binding protein 1													e6 (e5)	69.27	10	10	25.4	11

403	Q5U2Q7	ERF1_RAT	49228.24	5.51	Eukaryotic peptide chain release factor subunit 1												e6	277.87	10	10	30	10
404	Q68FY0	QCR1_RAT	53499.66	5.57	Cytochrome b-c1 complex subunit 1, mitochond	e6	126.22	6	6	12.7	7	e6	183.25	9	9	20	10	e6	232.3	6	6	15.6	7
405	Q80Z29	NAMPT_RAT	55688.56	6.69	Nicotinamide phosphoribosyltransferase													e6	227.48	9	9	29.1	10
406	Q4QQV4	Q4QQV4_RAT	57780.25	5.87	Histidyl-tRNA synthetase													e6	91.29	9	9	18.1	10
407	Q68FW9	CSN3_RAT	48398.21	6.19	COP9 signalosome complex subunit 3	e7	42.19	1	1	2.8	1	e7	54.87	1	1	2.8	1	e7	198.71	9	9	30.7	10
408	Q5XIC1	GMPPA_RAT	46504.22	6.95	Mannose-1-phosphate guanyltransferase alpha													e7	143.66	8	8	20.2	10
409	B1WC26	B1WC26_RAT	40481.6	6.39	N-acetylneuraminic acid synthase													e7	104.91	10	10	30.1	10
410	Q6AY20	MPRD_RAT	31588.63	5.25	Cation-dependent mannose-6-phosphate recept	e7 (e6)	168.52	9	9	26.6	16	e7 (e6)	208.43	9	9	26.6	13	e7	102.38	5	5	20.1	5
411	B2RYG6	OTUB1_RAT	31478.49	4.85	Ubiquitin thioesterase OTUB1													e8 (e9)	211.59	8	8	29.5	12
412	Q920J4	TXNL1_RAT	32627.9	4.84	Thioredoxin-like protein 1													e8	183.91	9	9	48.1	10
413	P27867	DHSO_RAT	38780.01	7.14	Sorbitol dehydrogenase													e8	149.99	10	10	38.1	10
414	P81155	VDAC2_RAT	32352.86	7.44	Voltage-dependent anion-selective channel prot	e8	225.4	8	8	36.6	9	e8	212.09	8	8	32.5	10	e8	111.35	3	3	15.9	3
415	Q6P7Q6	Q6P7Q6_RAT	36716.33	8.82	Lectin, galactoside-binding, soluble, 9	e8 (e7)	197.3	8	8	26.4	12	e8 (e7)	138.38	6	6	19.6	8	e8	49.68	3	3	6.5	3
416	Q5XIP0	Q5XIP0_RAT	37969.29	8.7	DnaJ (Hsp40) homolog, subfamily B, member 4	e7 (e8)	141.39	9	9	28.8	17	e8	39.48	4	4	12.5	4	e8	36.91	3	3	12.2	3
417	P85971	6PGL_RAT	27445.35	5.54	6-phosphogluconolactonase													e9	245.64	8	8	52.9	10
418	Q5M7U4	Q5M7U4_RAT	20353.07	5.95	Putative uncharacterized protein RGD1307935							e9	35.67	2	2	14.4	2	e9	113.15	6	5	35.4	10
419	P62755	RS6_RAT	28834.05	10.85	40S ribosomal protein S6	e9 (e10)	197.62	9	9	39	13	e9 (e10)	185.87	10	9	36.9	15	e9	96.6	6	6	26.1	6
420	P58200	VTI1B_RAT	26687.12	9.04	Vesicle transport through interaction with t-SNA	e9 (e8, e2, e1, e6, e	301.9	8	8	44.8	40	e9 (e6, e7, e3)	195.09	7	7	37.9	12	e9	72.98	2	2	9.5	2
421	Q63716	PRDX1_RAT	22323.41	8.27	Peroxiredoxin-1													e9	70.8	9	9	44.2	10
422	P61314	RL15_RAT	24245.13	11.62	60S ribosomal protein L15	e9 (e8, e6, e7)	88.04	8	8	30.9	26	e9 (e10)	106.58	8	8	39.7	18	e9	57.6	4	4	20.6	5
423	P41123	RL13_RAT	24351.47	11.54	60S ribosomal protein L13	e9	36.85	10	10	39.8	10	e9	50.83	9	9	37.9	10	e9	39.31	5	5	20.4	5
424	B0K038	B0K038_RAT	18073.96	10.21	Rps16 protein (Fragment)	e9 (e10)	71.33	5	5	31.3	11	e10 (e9)	91.76	10	10	42.5	13	e9	31.87	2	2	11.9	2
425	Q9WUF4	VAMP8_RAT	11370.12	8.93	Vesicle-associated membrane protein 8	e10 (e8, e2, e1, e6,	279.44	7	6	52	32	e10 (e6, e7, e9, e3)	163.96	7	6	52	16	e10	51.56	2	2	23	3
426	P28572	SC6A9_RAT	71493.27	8.2	Sodium- and chloride-dependent glycine transpo	e3 (e8, e2, e1, e4)	124.48	9	9	13.9	36	e3 (e2, e4, e5)	74.97	6	6	10.9	19						
427	Q9QYM0	MRP5_RAT	161894.5	8.69	Multidrug resistance-associated protein 5	e2 (e1)	72.83	10	10	6.9	16	e2	35.23	7	7	5	7						
428	Q64428	ECHA_RAT	83296.8	9.16	Trifunctional enzyme subunit alpha, mitochondri	e4	93.02	6	6	14.8	7	e4	224.16	8	8	15.3	10						
429	Q5U2T5	Q5U2T5_RAT	50639.45	7.1	StAR-related lipid transfer (START) domain con	e7	253.02	8	8	28	10	e7	98.55	5	5	17	5						
430	Q6P746	Q6P746_RAT	42837.67	6.54	Adiponectin receptor 1	e8 (e1, e6)	171.95	8	6	19.5	12	e8	67.95	2	2	8	2						
431	P84100	RL19_RAT	23565.29	11.48	60S ribosomal protein L19	e9 (e7)	50.11	9	9	35.7	13	e9	32.82	3	3	13.3	4						
432	P15127	INSR_RAT	159336.25	5.66	Insulin receptor	e3	63.44	10	10	7.6	10												
433	B2RZB1	B2RZB1_RAT	40404.51	6.63	RT1-Aw2 protein	e6	151.94	9	9	19.8	10												
434	Q5XIE8	ITM2B_RAT	30807.52	5.14	Integral membrane protein 2B	e8 (e7, e10, e9)	193.18	8	8	36.8	22												
435	Q66HI5	Q66HI5_RAT	21257.32	5.62	Ferritin	e9 (e1)	114.1	8	8	47.8	16	e9	43.36	7	7	37.9	8	e9 (e1)	91.27	8	8	50	11
436	Q4VSI4	UBP7_RAT	129432.73	5.31	Ubiquitin carboxyl-terminal hydrolase 7													e3	63.45	8	8	8.2	9
437	P14562	LAMP1_RAT	44397.34	8.31	Lysosome-associated membrane glycoprotein 1	e3 (e2, e6, e4, e5)	213.22	8	8	20.9	31	e3 (e6, e4, e5)	157.82	9	9	22.1	26	e3	51.56	2	2	6.6	2
438	Q64350	EI2BE_RAT	80897.75	4.9	Translation initiation factor eIF-2B subunit epsilon													e4	153.28	9	9	13.8	9
439	Q9JJ31	CUL5_RAT	91402.56	8.08	Cullin-5													e4	148.67	9	9	15	9
440	O35142	COPB2_RAT	103341.61	5.15	Coatomer subunit beta'													e4	94.97	9	9	10.4	9
441	Q5M7T5	Q5M7T5_RAT	52714.03	6.18	Serine (Or cysteine) peptidase inhibitor, clade C (Antithrombin), member 1													e4	70.34	8	8	18.1	9
442	B2RYP1	B2RYP1_RAT	36961.62	5.1	Proteasome (Prosome, macropain) 26S subunit, non-ATPase, 5													e6 (e5)	176.28	9	6	31.5	10
443	P12368	KAP2_RAT	45796.85	4.81	cAMP-dependent protein kinase type II-alpha regulatory subunit													e6	228.49	8	7	27.7	9
444	P50398	GDIA_RAT	51074.37	5	Rab GDP dissociation inhibitor alpha													e6	217.03	7	7	23.3	9
445	P11884	ALDH2_RAT	56965.85	6.63	Aldehyde dehydrogenase, mitochondrial	e6	98.52	5	5	12.1	6	e6 (e2)	154.91	7	7	15.8	9	e6	155.51	8	8	22.9	9
446	Q4QQS4	Q4QQS4_RAT	51285.58	5.49	RuvB-like 2 (E. coli)													e6	139.18	9	9	19.7	9
447	Q6AYD3	Q6AYD3_RAT	43971.29	6.41	Proliferation-associated 2G4	e7	54.1	5	5	10.9	5	e7	65.56	8	7	17.3	9	e6 (e7)	57.43	6	6	14.5	14
448	P70633	P70633_RAT	46323.48	7.77	Urea transporter	e7 (e8, e6, e9, e5)	82.86	8	7	14.7	28	e7 (e8, e6, e9)	85.43	5	5	8.9	15	e7 (e8, e6, e9)	50.43	3	3	6	10
449	O88656	ARC1B_RAT	41828.79	8.69	Actin-related protein 2/3 complex subunit 1B	e7	74.93	1	1	4.8	1	e7	56.59	1	1	4.8	2	e7	149.66	7	7	26.1	9
450	P38983	RSSA_RAT	32917.47	4.8	40S ribosomal protein SA	e7 (e8, e1, e9, e3)	241.97	7	7	35.9	22	e7 (e8, e9)	193.7	7	7	35.6	18	e8 (e7, e9)	134.22	5	5	20.7	12
451	P35815	PPM1B_RAT	43488.94	4.87	Protein phosphatase 1B													e7	76.62	8	8	21.5	9
452	Q4V8K5	BROX_RAT	46675.74	7.58	BRO1 domain-containing protein BROX	e7 (e2, e1, e6, e3)	160.31	9	9	24.6	25	e7	113.22	8	8	18	8	e7	40.56	3	3	10	3
453	P35704	PRDX2_RAT	21941.13	5.34	Peroxiredoxin-2	e9 (e8, e7)	105.53	6	6	24.7	15	e8 (e9)	115.22	4	4	17.2	11	e9 (e8)	124.69	8	8	51.5	15
454	B2RYQ2	B2RYQ2_RAT	36878.76	5.88	Protein phosphatase 2A activator, regulatory subunit 4													e8	40.47	9	8	28.2	9
455	P11348	DHPR_RAT	25763.97	7.67	Dihydropteridine reductase													e9	240.54	7	6	42.3	9
456	P47727	CBR1_RAT	30844.05	8.22	Carbonyl reductase [NADPH] 1													e9	210.37	9	9	44	9
457	Q63798	PSME2_RAT	27068.11	5.52	Proteasome activator complex subunit 2													e9	185.13	7	7	33.6	9
458	P47967	LEG5_RAT	16414.11	6.17	Galectin-5	e10 (e9)	200.58	6	6	42.8	8	e10	114.58	4	4	32.4	4	e10 (e9)	219.42	7	7	66.9	14
459	P62914	RL11_RAT	20467.73	9.64	60S ribosomal protein L11	e9	78.66	5	5	26.9	6	e9	114.78	8	7	36.5	9	e9	68.07	4	4	23.6	4
460	P00406	COX2_RAT	26096.14	4.6	Cytochrome c oxidase subunit 2	e9	81.27	5	4	19.4	5	e9	110.13	8	5	26.4	9	e9	62.66	4	3	15	5
461	Q4KM74	SC22B_RAT	24895.81	8.67	Vesicle-trafficking protein SEC22b	e9	124.62	6	5	21.9	6	e9	199.17	9	8	41.9	9	e9	54.33	4	4	19.1	4
462	B0BNJ1	B0BNJ1_RAT	21952.39	5.54	LOC683667 protein	e9 (e7)	120.32	9	9	57.6	13	e9	35	3	3	16.2	3	e9	26.54	3	3	16.2	3
463	B5DEM5	B5DEM5_RAT	23879.33	11.12	Rpl14 protein (RCG25732, isoform CRA_b)	e10 (e9)	50.92	6	6	23.7	13	e10	99.88	9	8	28.3	9	e10	68.92	4	4	15.1	4
464	Q03343	ADCY6_RAT	132303.5	8.49	Adenylate cyclase type 6	e2 (e1, e3)	113.84	7	7	5.6	23	e3 (e2)	135.36	8	8	7.1	15						
465	Q6QMG5	Q6QMG5_RAT	145250.57	8.56	Multidrug resistance-associated protein 4 splice	e2 (e1, e3)	158.42	9	9	7.5	14	e3 (e2)	136.9	7	7	4.9	11						
466	Q9QYJ4	ABCB9_RAT	84378.99	7.02	ATP-binding cassette sub-family B member 9	e5 (e2, e1, e6, e3)	187.67	9	9	15	29	e6 (e2, e3, e5)	113.81	4	4	6	9						
467	Q2I6B1	Q2I6B1_RAT	99117.57	6.14	V-H+ATPase subunit a2 (ATPase, H+ transporti	e4 (e3)	177.62	9	9	11.4	13	e4	68.76	6	6	7.6	6						
468	P97546	NPTN_RAT	31500.84	6.19	Neuroplastin	e5 (e6, e4)	186.35	7	7	22.8	16	e6 (e4, e5)	65.52	3	3	13.2	11						
469	P51799	CLCN7_RAT	89187.31	6.82	Chloride channel protein 7	e5	46.66	8	7	7.6	8	e5	37.83	9	8	7.2	9						
470	Q6P6R2	DLDH_RAT	54574.28	7.96	Dihydrolipoyl dehydrogenase, mitochondrial	e6	83.88	4	4	10.2	4	e6	201.05	8	7	20	9						
471	Q99P75	RAB9A_RAT	23166.32	5.43	Ras-related protein Rab-9A	e9 (e8)	160.33	6	6	39.8	10	e9	137.13	5	5	31.8	7						
472	Q9JJM7	GP1BB_RAT	22674.22	10.17	Platelet glycoprotein Ib beta chain							e9	74.56	7	7	29.6	9						
473	P12749	RL26_RAT	17266.57	10.63	60S ribosomal protein L26	e9	84.71	8	8	36.6	9	e9	46.6	4	4	16.6	5						
474	P61354	RL27_RAT	15787.75	10.56	60S ribosomal protein L27	e9	43.62	8	8	53.7	9	e9	38.61	5	5	39	5						
475	A9UMW3	A9UMW3_RAT	11699.95	4.88	Erythroid associated factor	e10 (e7, e9)	183.81	7	7	62.7	11	e10	63.88	4	4	48	5						
476	P08753	GNAI3_RAT	41066.46	5.5	Guanine nucleotide-binding protein G(k) subunit	e7	202.87	9	9	27.7	9												
477	P12001	RL18_RAT	21702.22	11.79	60S ribosomal protein L18	e9 (e8, e6, e7, e10)	153.37	6	6	37.6	16	e10 (e9)	136.03	6	6	30.9	15	e9 (e1, e10)	108.62	3	3	21.8	7
478	P29975	AQP1_RAT	29066.37	7.7	Aquaporin-1	e8 (e2, e1, e6, e7, e	252.94	5	5	19.3	47	e9 (e8, e2, e1, e6, e	333.92	5	5	17.8	40	e9 (e8, e2, e6, e7, e4	271.61	7	7	21.9	39
479	Q5BJR3	Q5BJR3_RAT	31490.21	5.38	Iars protein (Fragment)							e3	51.61	3	3	12.9	3	e3 (e2)	86.66	6	6	29	9
480	Q9ER34	ACON_RAT	86121.25	7.87	Aconitate hydratase, mitochondrial							e4	56.54	4	4	6	4	e4	98.66	7	7	15.3	8
481	Q6P6W1	Q6P6W1_RAT	45571.26	8.02	Lysosomal membrane glycoprotein 2	e3 (e1, e4)	69.77	4	4	11.2	13	e4	72.43	7	7	17.5	8	e4	36.1	3	3	9	5
482	Q68FT7	Q68FT7_RAT	66293.7	6.63	Phenylalanyl-tRNA synthetase, beta subunit													e5	134.53	8	8	14.3	8
483	P20611	PPAL_RAT	48744.61	6.16	Lysosomal acid phosphatase	e5 (e4, e3)	125.7	7	7	13.5	10	e5	43.58	4	4	9	4	e5	54.46	1	1	2.8	1

484	P61980	HNRPK_RAT	51229.51	5.39	Heterogeneous nuclear ribonucleoprotein K							e6	62.98	2	2	7.1	2	e6	272.42	8	8	23.8	8
485	Q07205	IF5_RAT	49379.88	5.36	Eukaryotic translation initiation factor 5													e6	141.61	7	6	17	8
486	Q3MHS7	Q3MHS7_RAT	42410.42	6.84	GDP-mannose 4, 6-dehydratase													e7	235.14	8	8	29.3	8
487	P10252	CD48_RAT	27890.29	7.67	CD48 antigen	e7 (e6)	146.74	8	7	33.3	11	e7	46.43	4	3	11.3	4	e7	37.82	5	5	17.1	5
488	Q6AYP7	5NT3L_RAT	33952.15	6.26	Cytosolic 5'-nucleotidase III-like protein													e8	142.83	8	8	34.2	8
489	Q5PPP1	Q5PPP1_RAT	23608.39	4.43	Clta protein	e8	49.74	6	6	13.7	6	e8	115.83	8	8	31.2	8	e9 (e8)	111.47	7	7	28.4	14
490	P63029	TCTP_RAT	19563.59	4.76	Translationally-controlled tumor protein	e8	58.02	1	1	8.1	1	e9	101.3	6	6	36	8	e9 (e8)	79.75	6	6	28.5	11
491	P16036	MPCP_RAT	39875.54	9.41	Phosphate carrier protein, mitochondrial	e9 (e8)	155.69	8	7	27.5	10	e9	148.02	8	8	22.8	8	e9 (e8)	112.94	8	8	28.7	9
492	Q8CFN2	CDC42_RAT	21587.15	6.15	Cell division control protein 42 homolog	e9	72.35	5	5	31.4	6	e9	74.83	6	6	35.6	8	e9 (e8)	90.52	6	6	35.6	9
493	P41498	PPAC_RAT	18595.99	6.08	Low molecular weight phosphotyrosine protein p	e9	162.44	3	3	25.9	3	e9	83.59	2	2	17.7	2	e9	210.71	8	7	52.5	8
494	Q66HA6	ARL8B_RAT	21753.23	8.67	ADP-ribosylation factor-like protein 8B	e9	161.4	7	7	38.2	7	e9	200.09	7	7	34.9	8	e9	139.67	4	4	28.5	5
495	Q4V8M8	Q4V8M8_RAT	34036.36	7.75	Hagh protein (Fragment)													e9	108.01	8	7	29.6	8
496	Q6P791	CK059_RAT	17823.83	4.88	UPF0404 protein C11orf59 homolog	e9 (e8, e2, e1, e6, e	154.8	6	6	49.7	18	e9 (e8, e6, e10, e3)	168.5	4	4	34.8	9	e9	98.45	3	3	23	4
497	P62718	RL18A_RAT	21004	10.73	60S ribosomal protein L18a	e9	100.73	7	7	39.2	8	e9	122.44	7	7	39.2	8	e9	97.8	5	5	30.7	5
498	P84817	FIS1_RAT	17040.97	8.56	Mitochondrial fission 1 protein	e10 (e9)	211.3	7	6	44.7	13	e10 (e9)	91.76	3	3	27	5	e10 (e9)	71.61	2	2	17.1	4
499	Q7M0E3	DEST_RAT	18806.65	8.19	Destrin													e9	61.23	8	7	40.6	8
500	Q9Z2Q7	STX8_RAT	27122.15	4.92	Syntaxin-8	e9 (e8, e7)	186.59	6	6	32.6	12	e9	213.52	3	3	21.2	5	e9	60.81	1	1	7.6	2
501	Q6PDW2	Q6PDW2_RAT	18624.1	10.49	Ribosomal protein L21	e9	73.54	7	7	30.6	8	e9 (e10)	58.27	7	7	35	10	e9	60.69	5	5	23.8	5
502	P25113	PGAM1_RAT	28927.91	6.67	Phosphoglycerate mutase 1													e9	52.92	8	8	33.5	8
503	Q63584	TMEDA_RAT	25012.91	6.02	Transmembrane emp24 domain-containing prot	e9	215.57	6	5	32	8	e9	186.91	7	6	32.9	7	e9	51.54	2	2	12.8	2
504	P48037	ANXA6_RAT	76105.63	5.39	Annexin A6	e5	194.16	7	7	16	8	e5	97.13	7	7	10.8	8						
505	Q02874	H2AY_RAT	39650.45	9.79	Core histone macro-H2A.1	e7 (e10, e9)	114.15	6	6	21	14	e7 (e9)	78.45	3	3	10.2	6						
506	Q5U2U4	Q5U2U4_RAT	36982.48	5.94	Secretory carrier membrane protein 2	e8	145.54	6	6	15.8	8	e8	99.74	6	6	15.8	7						
507	P05714	RAB4A_RAT	24176.08	5.82	Ras-related protein Rab-4A	e9	162.97	5	5	26.8	7	e9	222.73	6	6	31.5	8						
508	Q9JI51	VTI1A_RAT	26026.61	6.07	Vesicle transport through interaction with t-SNA	e9	140.41	8	8	39.3	8	e9	34.88	5	5	18.3	5						
509	P62271	RS18_RAT	17707.86	10.99	40S ribosomal protein S18	e10 (e9)	91.73	8	8	41.4	13	e10	52.78	7	7	36.2	7						
510	P07151	B2MG_RAT	13825.17	7.79	Beta-2-microglobulin	e10	83.39	6	6	33.6	8	e10	28.53	3	3	16	3						
511	P06399	FIBA_RAT	87373.2	5.51	Fibrinogen alpha chain	e10 (e1, e6, e7, e9)	194.06	7	7	9.5	24												
512	Q4KLL4	TM9S4_RAT	75424.29	6.65	Transmembrane 9 superfamily member 4	e6	104.08	8	8	13.1	8												
513	Q4G002	Q4G002_RAT	42890.63	5.48	Histocompatibility 2, T region locus 24	e7	105.22	8	8	22.8	8												
514	P00787	CATB_RAT	38357.96	5.36	Cathepsin B	e9 (e7, e10)	157.15	6	5	22.1	12												
515	P42346	FRAP_RAT	290662.4	6.73	FKBP12-rapamycin complex-associated protein													e1	41.65	7	7	2.5	7
516	Q63041	A1M_RAT	168387.92	6.46	Alpha-1-macroglobulin													e2 (e1)	65.62	7	7	3.7	11
517	P02770	ALBU_RAT	70681.83	6.09	Serum albumin	e5	89.59	6	6	10.2	7	e5 (e3)	96.82	2	2	3.5	7	e5 (e2, e4, e3)	86.92	2	2	3.5	13
519	P28023	DCTN1_RAT	142583.28	5.56	Dynactin subunit 1													e3	73.46	7	7	6.3	7
520	P23514	COPB_RAT	108083.11	5.66	Coatomer subunit beta													e4 (e6)	90.68	7	6	7.5	10
521	B2GV03	B2GV03_RAT	97397.68	6.44	Phosphorylase													e4	44.91	7	7	6.7	7
522	Q6DGF2	Q6DGF2_RAT	52221.56	5.88	Enthoprotin	e5	89.66	4	4	8.5	4	e5	121.1	7	7	15.7	7	e5 (e6)	173.78	6	6	15.3	9
523	A9CMA5	A9CMA5_RAT	41019.33	8.63	Decay accelarating factor 1 (Fragment)	e5	50.38	2	2	7.7	3	e5	83.31	4	4	13.2	5	e5	67.37	4	4	13.2	7
524	Q8R3Z7	Q8R3Z7_RAT	61656.54	6.33	EH-domain containing 4													e6	114.61	6	6	10.2	7
525	A2VCW8	A2VCW8_RAT	50989.11	8.73	Septin 7													e6	103.05	7	7	19.2	7
526	Q4KLZ6	DHAK_RAT	59691.39	7.12	Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)													e6	78.52	6	6	20.9	7
527	P04785	PDIA1_RAT	57314.83	4.82	Protein disulfide-isomerase	e6	66.26	7	7	16.5	7	e6	44.52	5	5	9.2	5	e6	71.37	4	4	12.4	4
528	P97829	CD47_RAT	33486.98	8.91	Leukocyte surface antigen CD47	e6 (e8, e7, e5)	77.14	5	4	11.2	18	e7 (e6)	80.18	3	2	6.9	8	e6	65.48	5	4	11.2	5
529	Q6IRF8	Q6IRF8_RAT	51185.24	5.27	ATPase, H+ transporting, lysosomal accessory	e6 (e7)	39.68	7	7	10.8	11	e7 (e6)	22.26	4	4	6	8	e6	32.75	2	2	3.5	2
530	Q5RJQ4	SIRT2_RAT	39921.01	6.67	NAD-dependent deacetylase sirtuin-2	e7	46.95	2	2	5.7	2	e7	46.62	1	1	3.7	1	e7 (e8)	184.48	6	6	25.4	8
531	P27791	KAPCA_RAT	40708.01	8.7	cAMP-dependent protein kinase catalytic subunit alpha													e7 (e8)	68.94	7	7	16.8	8
532	Q5RK09	EIF3G_RAT	35914.02	5.69	Eukaryotic translation initiation factor 3 subunit G													e7	65.88	7	7	25.3	7
533	Q99MS0	S14L2_RAT	46592.74	7.04	SEC14-like protein 2													e7	64.7	7	7	16.4	7
534	Q9JMB5	ADRM1_RAT	42417.88	4.96	Proteasomal ubiquitin receptor ADRM1													e7 (e9)	50.14	7	7	19.2	10
535	B2GUX5	B2GUX5_RAT	34073.41	5.29	5'-nucleotidase, cytosolic III													e8	58.71	7	7	25.6	7
536	B0BN81	B0BN81_RAT	23063.13	9.73	Ribosomal protein S5, isoform CRA_b	e9 (e8, e7, e10)	103.37	5	5	23.5	10	e9 (e8, e7, e10)	132.91	6	6	30.9	10	e9 (e8)	135.08	5	5	25.5	9
537	P67874	CSK2B_RAT	25268.13	5.33	Casein kinase II subunit beta	e9	117.99	6	6	36.7	7	e9	56.68	3	3	14.4	3	e9	142.26	6	6	28.4	6
538	Q06647	ATPO_RAT	23439.8	10.03	ATP synthase subunit O, mitochondrial	e9	83.44	3	3	24.4	4	e9	138.99	5	5	35.2	7	e9	73.53	5	5	33.8	7
539	Q7M767	UB2V2_RAT	16399.23	7.79	Ubiquitin-conjugating enzyme E2 variant 2	e9	123.07	7	5	37.9	7	e9	40.28	2	2	10.3	2	e9	55.15	4	4	21.4	4
540	P62856	RS26_RAT	13292.19	11.01	40S ribosomal protein S26	e10 (e9)	114.89	5	5	41.7	8	e10 (e9)	123.91	7	7	49.6	10	e10 (e9)	101.59	4	4	37.4	8
541	Q6P9U5	Q6P9U5_RAT	22021.86	10	Ribosomal protein L9	e9	61.24	4	4	25.5	4	e9	93.24	7	7	35.4	7	e9	41.14	3	3	14.6	3
542	P62907	RL10A_RAT	24986.6	9.94	60S ribosomal protein L10a	e9	68	7	7	33.6	7	e9	57.9	7	7	36.4	7	e9	37.25	7	7	31.3	7
543	P18445	RL27A_RAT	16722.06	11.12	60S ribosomal protein L27a	e9 (e6)	77.17	7	7	38.5	9	e9	61.83	5	5	28.4	5	e9	36.73	2	2	10.8	2
544	Q9JLT0	MYH10_RAT	229793.37	5.49	Myosin-10	e2	34.32	2	2	1	2	e4 (e2)	122.66	7	7	3.6	9						
545	Q5FVL8	Q5FVL8_RAT	77688.16	9.67	ATP-binding cassette, sub-family B (MDR/TAP)	e6	50.82	1	1	3.5	1	e6	189.46	7	7	15.7	7						
546	Q99M64	P4K2A_RAT	54726.85	8.28	Phosphatidylinositol 4-kinase type 2-alpha	e6 (e2, e1)	71.18	6	6	11.7	9	e6	124.17	7	7	16.5	7						
547	Q923U9	S40A1_RAT	63286.53	5.64	Solute carrier family 40 member 1	e7 (e8)	39.4	4	3	4.7	10	e7 (e8, e6)	65.97	6	5	7.5	16						
548	P58195	PLS1_RAT	37598.9	4.82	Phospholipid scramblase 1	e7	89.81	6	6	17.6	7	e7	36.02	4	4	10.1	4						
549	P97852	DHB4_RAT	79891.2	8.77	Peroxisomal multifunctional enzyme type 2	e8	213.77	7	7	11.2	7	e8	39.93	3	3	4.2	3						
550	Q9JHW5	VAMP7_RAT	25101.98	8.71	Vesicle-associated membrane protein 7	e9	87.21	7	6	37.3	7	e9	90.61	4	3	20	4						
551	P62268	RS23_RAT	15968.78	10.5	40S ribosomal protein S23	e9	57.41	7	7	34.3	7	e9 (e10)	83.22	6	6	34.3	10						
552	Q0KL00	FA38A_RAT	238392.82	6.73	Protein FAM38A	e1	51.58	7	7	3.9	7												
553	P0C0S7	H2AZ_RAT	13544.55	10.58	Histone H2A.Z	e10 (e9)	82.59	5	5	38.3	11												
554	P83732	RL24_RAT	17881.94	11.26	60S ribosomal protein L24	e9	24.47	7	7	35	7												
556	Q66X93	SND1_RAT	102572.74	6.76	Staphylococcal nuclease domain-containing protein 1							e3	72.65	2	2	4.8	2	e3	99.19	6	6	9.2	6
557	B5DEG6	B5DEG6_RAT	46166.73	6.05	Gart protein													e3	55.25	6	6	15.9	6
558	Q6IN14	Q6IN14_RAT	30081.06	5.29	Cd82 molecule	e4 (e2, e6, e7, e3, e	161.07	4	4	15.4	26	e7 (e6, e4, e3, e5)	128.72	3	3	12	22	e7 (e6, e4, e5)	105.28	3	3	12	15
559	Q80W57	ABCG2_RAT	73427.1	9.21	ATP-binding cassette sub-family G member 2	e4 (e2, e1, e3, e5)	110.66	4	4	7.5	13	e4 (e5)	105.13	6	6	11.9	9	e4	60.54	2	2	4	2
560	Q6AYD5	Q6AYD5_RAT	69506.35	5.12	G1 to S phase transition 1													e4	59.52	6	6	15.6	6
561	Q80W92	VAC14_RAT	89094.97	5.75	Protein VAC14 homolog	e4 (e2, e3)	52.8	3	3	5.5	7	e4 (e2, e3)	77.77	6	6	11	11	e4	58.44	3	3	5.1	3
562	Q6P6T4	EMAL2_RAT	71578.52	5.85	Echinoderm microtubule-associated protein-like 2													e5	97.46	6	6	10.8	6
563	P47942	DPYL2_RAT	62637.74	5.95	Dihydropyrimidinase-related protein 2													e5 (e6)	87.82	6	6	13.3	10
564	B2RYG2	B2RYG2_RAT	74080.24	8.29	Pck2 protein (Fragment)	e5	80.69	6	6	9.8	6	e5	81.25	4	4	6.8	4	e5	38.62	2	2	3.6	2
565	Q6LAL6	Q6LAL6_RAT	20247.28	9.25	NAD(P)(+)--arginine ADP-ribosyltransferase (Fr	e7 (e6)	207.79	6	5	35.6	12	e6 (e7)	58.32	2	2	14.7	4	e6 (e7)	142.05	3	3	22	6
566	Q6P6V0	G6PI_RAT	62958.19	7.38	Glucose-6-phosphate isomerase	e6	33.46	2	2	3.9	2	e6	39.27	4	4	8.1	4	e6	95.76	6	6	13.1	6

567	Q32Q06	AP1M1_RAT	48697.11	6.82	AP-1 complex subunit mu-1	e7	67.94	4	4	9	4	e7	88.04	6	6	14.7	6	e7	111.21	5	5	11.6	5
568	Q64559	BACH_RAT	43164.1	8.8	Cytosolic acyl coenzyme A thioester hydrolase													e7	89.71	6	6	17.1	6
569	Q9QX69	LANC1_RAT	45951.76	7.57	LanC-like protein 1													e7	68.72	5	5	15.3	6
570	Q8R478	WBP2_RAT	28226.53	5.94	WW domain-binding protein 2	e7 (e8, e2, e6, e3, e	78.79	5	5	15.3	22	e8 (e6, e7, e9, e3)	119.71	5	5	15.3	14	e7 (e8, e9)	54.92	1	1	5.3	6
571	B0BNN0	B0BNN0_RAT	31085.57	6.14	Tsta3 protein													e8	180.04	6	6	24.8	6
572	B2RYM5	BRCC3_RAT	33450.87	5.84	Lys-63-specific deubiquitinase BRCC36													e8	167.44	6	6	26.1	6
573	Q8R431	MGLL_RAT	33820.36	6.92	Monoglyceride lipase	e8	113.85	3	3	16.8	3	e8	52.75	1	1	4.6	1	e8	113.54	6	6	23.4	6
574	P42123	LDHB_RAT	36874.17	5.7	L-lactate dehydrogenase B chain													e8	95.68	6	6	14.1	6
575	B4F7A9	B4F7A9_RAT	41346.18	8.64	Casein kinase 2, alpha prime polypeptide	e7	42.2	4	4	6.9	4							e8	66.25	6	6	13.4	6
576	Q3B8P5	Q3B8P5_RAT	32544.77	6.05	Psmd8 protein (Fragment)													e9 (e8)	74.05	6	6	25.3	9
577	Q9Z0V6	PRDX3_RAT	28562.57	7.14	Thioredoxin-dependent peroxide reductase, mit	e9 (e8, e1, e7)	131.2	5	5	21.4	10	e9 (e8, e7)	176.98	5	5	24.9	7	e9	132.68	4	4	18.3	4
578	Q3KRD8	Q3KRD8_RAT	27067.39	4.63	Eukaryotic translation initiation factor 6													e9	113.54	5	5	38.8	6
579	Q7TP02	Q7TP02_RAT	31826.55	9.27	Da2-35													e9	112.63	4	4	18.7	6
580	P27274	CD59_RAT	14465.24	8.9	CD59 glycoprotein	e9 (e8, e10)	115.65	6	6	39.7	9	e9 (e10)	114.89	6	6	39.7	9	e9	112.12	6	6	39.7	6
581	P48508	GSH0_RAT	30870.7	5.36	Glutamate--cysteine ligase regulatory subunit							e9	48.04	1	1	5.8	1	e9	95.22	6	5	20.8	6
582	P63074	IF4E_RAT	25265.57	5.79	Eukaryotic translation initiation factor 4E							e9	37.82	2	2	9.2	2	e9	85.92	6	6	24	6
583	Q5EB77	RAB18_RAT	23246.75	5.11	Ras-related protein Rab-18	e9	63.21	3	3	17	3	e9	124.91	6	6	33.5	6	e9	44.44	4	4	22.3	4
584	P35435	ATPG_RAT	30228.74	8.87	ATP synthase subunit gamma, mitochondrial							e9	56.43	6	6	20.1	6	e9	36.53	4	4	13.9	4
585	Q9WVB1	RAB6A_RAT	15877.03	5.3	Ras-related protein Rab-6A (Fragment)	e9	178.9	5	5	42.1	6	e9	145.01	4	4	35.7	5	e9	29.86	4	4	26.4	4
586	P62832	RL23_RAT	14970.1	10.51	60S ribosomal protein L23	e10 (e9)	129.5	5	5	33.6	8	e10	92.32	5	5	33.6	5	e10	55.08	2	2	21.4	2
587	P97629	LCAP_RAT	117640.07	5.35	Leucyl-cystinyl aminopeptidase	e3 (e2, e1)	122.16	4	4	5.8	11	e3	81.05	2	2	2.3	2						
588	Q8CJG5	Q8CJG5_RAT	48924.35	8.42	Gene	e6	91.13	5	5	10.8	6	e6	158.18	4	3	9.9	5						
589	Q99JC6	Q99JC6_RAT	50298.31	7.74	Tap-binding protein (Tapasin)	e6	90.45	5	5	15.5	6	e6	82.27	4	4	9.9	4						
590	P24268	CATD_RAT	45165.08	6.66	Cathepsin D	e7	84.49	6	6	21.4	6	e7	46.81	2	2	7.4	2						
591	B2GUZ5	CAZA1_RAT	33060.4	5.43	F-actin-capping protein subunit alpha-1	e8	79.93	6	6	22	6	e8	41.35	1	1	5.6	1						
592	P62909	RS3_RAT	26828.48	9.68	40S ribosomal protein S3	e9 (e8)	94.31	5	5	22.2	9	e9	93.61	6	6	28.4	6						
593	P40241	CD9_RAT	25768.09	6.93	CD9 antigen	e9	43.77	5	5	27.4	6	e10 (e9)	35.48	1	1	4.4	4						
594	Q5U204	MPKS1_RAT	13628.3	6.73	Mitogen-activated protein kinase scaffold protei	e10	74.15	5	5	67.7	6	e10	37.37	3	3	46	3						
595	P61515	RL37A_RAT	10496.56	10.44	60S ribosomal protein L37a	e10	66.39	6	6	53.3	6	e10	27.59	4	4	25	4						
596	Q66HA4	TAXB1_RAT	94278.61	5.18	Tax1-binding protein 1 homolog	e1	99.51	6	6	9	6												
597	Q498T9	LRC8C_RAT	93372.46	7.97	Leucine-rich repeat-containing protein 8C	e4 (e2, e1, e3)	110.49	4	4	8	17												
598	A1A5N3	A1A5N3_RAT	48177.9	9.76	Potassium intermediate/small conductance calc	e6 (e2, e5)	54.1	5	5	12	15												
599	P0C1S9	DGLB_RAT	75149.02	6.21	Sn1-specific diacylglycerol lipase beta	e5	79.83	5	5	8.7	6												
600	Q5M849	Q5M849_RAT	31972.83	5.37	Interferon-induced protein 35	e8	114.17	5	5	24.1	6												
601	Q9EQX9	UBE2N_RAT	17169.98	6.13	Ubiquitin-conjugating enzyme E2 N	e9 (e10)	66.98	4	4	28.9	11												
602	B5DEK8	B5DEK8_RAT	19967.46	8.52	EGFR-coamplified and overexpressed protein (	e9	60.78	4	3	25	6												
603	P17702	RL28_RAT	15895.72	12.02	60S ribosomal protein L28	e9	19.62	6	5	28.5	6												
604	B0BNJ9	B0BNJ9_RAT	11650.03	9.63	RCG44002, isoform CRA_a	e10	148.08	4	3	65.8	6												
605	Q7TP67	Q7TP67_RAT	190579.52	6.13	Ab2-008													e2 (e1)	75.82	5	5	3.9	10
606	Q5JC29	Q5JC29_RAT	87189.18	4.51	Epidermal growth factor receptor pathway substrate 15 isoform B							e3 (e2)	98.65	3	3	5.9	6	e3 (e8, e2, e1, e6, e5	94.83	4	4	6.4	12
607	P06238	A2MG_RAT	165107.12	5.9	Alpha-2-macroglobulin	e2	64.27	5	4	2.7	5	e2	45.01	3	2	1.4	3	e2	75.59	4	4	2.7	5
608	P14046	A1I3_RAT	165038.21	5.7	Alpha-1-inhibitor 3	e2	52.86	4	4	2.4	5							e3 (e2, e4, e5)	69.53	2	2	1.3	13
609	P35444	COMP_RAT	85233.69	4.48	Cartilage oligomeric matrix protein													e4 (e3)	70.3	5	5	7	7
610	P41542	USO1_RAT	108122.12	4.87	General vesicular transport factor p115													e3 (e4)	47.79	5	5	7.1	6
611	Q63270	ACOC_RAT	98749.59	6.72	Cytoplasmic aconitate hydratase													e4	102.16	5	5	7.9	5
612	Q9QUL6	NSF_RAT	83170.18	6.55	Vesicle-fusing ATPase													e4	45.75	5	5	8.6	5
613	Q63185	E2AK1_RAT	70125.63	5.76	Eukaryotic translation initiation factor 2-alpha kinase 1													e5	69.86	5	5	9	5
614	Q64268	HEP2_RAT	54744.95	6.48	Heparin cofactor 2													e5	57.82	4	3	6.7	5
615	P10760	SAHH_RAT	48020.42	6.07	Adenosylhomocysteinase													e6	107.2	5	5	13.2	5
616	Q66H80	COPD_RAT	57619.36	5.89	Coatomer subunit delta													e6	92.12	5	5	11.9	5
617	Q5XHZ9	TRP13_RAT	48745.62	5.74	Thyroid receptor-interacting protein 13													e6	84.92	4	4	10.6	5
618	Q99MI7	UBA3_RAT	52374.51	5.3	NEDD8-activating enzyme E1 catalytic subunit													e6	80.41	5	5	20.8	5
619	Q5M7A4	UBA5_RAT	45379.3	4.9	Ubiquitin-like modifier-activating enzyme 5													e6 (e7)	53.45	5	5	14.6	7
620	Q505J8	SYFA_RAT	57797.78	8.28	Phenylalanyl-tRNA synthetase alpha chain	e6 (e2)	81.35	3	2	4.9	5	e6	101.22	5	4	10.8	5	e6	48.17	5	5	13	5
621	Q68FS4	AMPL_RAT	56513.83	6.77	Cytosol aminopeptidase													e6	46.53	4	4	7.1	5
622	Q63028	ADDA_RAT	80704.43	5.81	Alpha-adducin													e7 (e6)	111.64	5	5	7.9	6
623	B0BN63	B0BN63_RAT	38365.31	5.41	LOC681996 protein	e7	43.64	1	1	6.5	1	e7	44.73	1	1	6.5	1	e7	142.15	4	4	14.8	5
624	Q7TPI7	Q7TPI7_RAT	38388.63	5.06	Ac2-269													e7 (e8)	135.42	5	5	17.2	7
625	O09171	BHMT1_RAT	45403.99	8.02	Betaine--homocysteine S-methyltransferase 1													e7	98.06	5	5	13	5
626	P15650	ACADL_RAT	48241.56	7.63	Long-chain specific acyl-CoA dehydrogenase, m	e7	47.64	2	2	5.3	2	e7	49.08	3	3	7.7	3	e7	52.77	5	5	12.3	5
627	P49432	ODPB_RAT	39299.16	6.2	Pyruvate dehydrogenase E1 component subunit	e8	102.94	4	4	15	4	e8	142.55	4	4	16.4	4	e8	106.71	5	5	20.9	5
628	Q99NA5	IDH3A_RAT	40044.21	6.47	Isocitrate dehydrogenase [NAD] subunit alpha, r	e8	57.12	4	4	8.7	4	e8	77.25	4	4	8.7	4	e8	93.81	5	5	13.9	5
629	B5DER7	B5DER7_RAT	42646.35	9.83	Ndufa9 protein (RCG30092)	e8	86.91	4	4	14.1	4	e8	99.45	5	5	16.4	5	e8	83.76	5	5	17.2	5
630	Q9ERM8	Q9ERM8_RAT	25218.67	8.76	Secretory carrier membrane protein 3 (Fragmer	e8 (e2, e1, e6, e7, e	197.77	4	4	20.4	25	e8 (e2, e6, e7, e9, e	177.85	2	2	14.2	12	e8	78.38	1	1	7.1	1
631	P14668	ANXA5_RAT	35779.32	4.93	Annexin A5	e8	46.88	3	3	8.5	3	e8	53.01	5	5	12.5	5	e8	45.55	2	2	5.3	2
632	Q4KM69	Q4KM69_RAT	37782.8	6.1	COP9 constitutive photomorphogenic homolog subunit 5 (Arabidopsis)													e8	44.76	5	5	19.8	5
633	Q02589	ADPRH_RAT	40220.48	5.62	[Protein ADP-ribosylarginine] hydrolase													e8	42.36	5	5	12.2	5
634	Q3T1J1	IF5A1_RAT	17049.49	5.08	Eukaryotic translation initiation factor 5A-1	e9	33.31	3	3	22.7	3							e9	162.44	4	4	44.2	5
635	P83868	TEBP_RAT	18994.53	4.36	Prostaglandin E synthase 3							e9	112.86	4	4	32.5	4	e9	137.34	4	4	32.5	5
636	P23358	RL12_RAT	18005.62	9.48	60S ribosomal protein L12	e9	68.64	2	2	19.4	2	e9	67.79	2	2	19.4	2	e9	116.08	5	5	36.4	5
637	B5DEN5	B5DEN5_RAT	24831.35	4.55	Eukaryotic translation elongation factor 1 beta 2	e9	64.06	1	1	6.7	1	e9	61.55	1	1	6.7	1	e9	104.36	5	5	29.3	5
638	P36972	APT_RAT	19761.48	6.17	Adenine phosphoribosyltransferase	e9	36.89	3	3	18.3	3	e9	46.1	2	2	11.1	2	e9	86.57	5	5	36.7	5
639	Q6P503	Q6P503_RAT	28291.32	9.44	ATPase, H+ transporting, V1 subunit D, isoform	e9 (e8)	102.45	5	5	25.9	6	e9	76.04	3	3	17.4	3	e9	84.82	1	1	4.9	1
640	P18421	PSB1_RAT	26690.39	6.9	Proteasome subunit beta type-1													e9	77.27	5	5	26.3	5
641	Q9WU49	CHSP1_RAT	16124.13	8.41	Calcium-regulated heat stable protein 1	e9	43.8	1	1	10.9	2	e9	58.74	2	2	18.4	3	e9 (e10)	76.7	4	4	28.6	6
642	B2GV73	B2GV73_RAT	20750.42	8.78	Actin related protein 2/3 complex, subunit 3	e9	69.47	2	2	13.5	2	e9	50.97	2	2	13.5	2	e9	75.97	4	4	32	5
643	P48004	PSA7_RAT	28479.96	8.8	Proteasome subunit alpha type-7													e9	57.48	4	4	15	5
644	P85973	PNPH_RAT	32566.15	6.46	Purine nucleoside phosphorylase	e8	37.43	3	3	10.7	3							e9	44.41	5	5	20.1	5
645	Q9R010	CIB1_RAT	21957.94	4.62	Calcium and integrin-binding protein 1	e9	157.86	5	5	33	5	e9	149.56	4	4	25.7	4	e9	39.67	1	1	7.3	1
646	P05712	RAB2A_RAT	23691.76	6.08	Ras-related protein Rab-2A	e9	114.16	4	4	24.5	4	e9	140.75	5	5	27.8	5	e9	30.36	4	4	21.2	4
647	Q9QYW1	KCNN4_RAT	48305.96	9.76	Intermediate conductance calcium-activated pot	e1 (e8, e7, e9, e3)	95.18	5	5	15.1	14	e6 (e2, e3)	59.83	5	5	12.2	7						

648	P04157	CD45_RAT	144775.65	5.6	Leukocyte common antigen	e2	45.57	2	2	1.9	2	e2	38.89	5	5	4	5						
649	P70705	ATP7A_RAT	163415.26	6.18	Copper-transporting ATPase 1							e2	33.88	5	5	2.9	5						
650	Q62940	NEDD4_RAT	102786.68	5.07	E3 ubiquitin-protein ligase NEDD4							e3	54.64	5	5	5.6	5						
651	Q5RJS7	Q5RJS7_RAT	21486.74	7.57	Atp11b protein (Fragment)	e2 (e3)	60.14	4	4	21.7	8	e3	42.25	4	4	21.7	5						
652	A2VCW5	S38A5_RAT	53141.71	7.92	Sodium-coupled neutral amino acid transporter	e7 (e8, e6, e4, e5)	73.04	4	4	9.8	21	e8 (e6, e7, e4, e3, e	71.86	4	4	9.8	23						
653	Q568Z6	IST1_RAT	40087.67	5.3	IST1 homolog	e6 (e8, e7, e9)	68.28	4	4	11.7	14	e6 (e7)	40.82	3	3	9	6						
654	P19357	GTR4_RAT	55088.49	6.86	Solute carrier family 2, facilitated glucose transp	e7 (e6)	97.21	3	3	8.1	8	e7 (e6)	44.17	2	2	6.1	4						
655	B5DFJ7	B5DFJ7_RAT	21145.61	6.51	Tmem9 protein (Transmembrane protein 9 (Pre	e8 (e6, e7, e9)	104.66	5	4	24.6	15	e6 (e9)	35.51	2	2	10.9	5						
656	Q5FVF4	TM7S3_RAT	64171.43	8.54	Transmembrane 7 superfamily member 3	e8	22.6	5	5	8	5	e6	34.1	2	2	4.4	2						
657	B5DF99	B5DF99_RAT	25639.28	5.34	Stx16 protein (Fragment)	e7 (e8, e2, e1, e4, e	162.39	5	5	25.3	15	e8 (e7)	152.44	5	5	22.2	7						
658	Q6AYA5	T106B_RAT	31417.63	6.89	Transmembrane protein 106B	e7	93.59	5	5	22.2	5	e7	39.47	3	3	11.6	3						
659	A2RRU2	A2RRU2_RAT	26183.38	6.23	Transmembrane protein 127	e9	115.91	4	4	22.3	5	e9	76.23	2	2	13	3						
660	Q5I0E7	Q5I0E7_RAT	27182.07	8.39	Transmembrane emp24 protein transport doma	e9	73.6	5	5	15.3	5	e9	58.07	4	4	13.6	4						
661	Q63635	STX6_RAT	29095.79	4.77	Syntaxin-6	e9	148.62	5	4	23.1	5	e9	42.61	2	2	13.7	2						
662	P60905	DNJC5_RAT	22884.63	4.93	DnaJ homolog subfamily C member 5	e9 (e8)	93.81	5	5	33.3	7	e9	39.27	1	1	7.6	1						
663	P63324	RS12_RAT	14857.69	6.82	40S ribosomal protein S12	e10 (e9)	145.65	3	2	25	6	e10	127.06	3	2	25	3						
664	Q8K3Y6	ZCCHV_RAT	88084.27	8.46	Zinc finger CCCH-type antiviral protein 1	e1	146.16	3	3	5.5	5												
665	Q9JJP0	S20A1_RAT	74880.45	6.84	Sodium-dependent phosphate transporter 1	e4	31.83	5	5	7.8	5												
666	Q4V8Q2	Q4V8Q2_RAT	58285.71	5.29	Serine peptidase inhibitor, Kunitz type 1	e5 (e6)	50.01	5	5	11.8	6												
667	Q5M872	DPEP2_RAT	53650.64	6.4	Dipeptidase 2	e5	34.71	5	5	13.7	5												
668	Q6AY86	VP26A_RAT	38204.75	6.14	Vacuolar protein sorting-associated protein 26A	e7	78.64	5	5	16.5	5												
669	Q6P767	PTTG_RAT	20685.28	8.97	Pituitary tumor-transforming gene 1 protein-inte	e9 (e8, e7)	53.41	5	5	17.8	15												
670	P13852	PRIO_RAT	28014.51	9.32	Major prion protein	e8 (e9)	65.47	5	4	16.1	8												
671	Q4QQV8	CHMP5_RAT	24617.33	4.65	Charged multivesicular body protein 5	e8	56.92	5	5	21.5	5												
672	Q569A6	ERD21_RAT	24758.06	8.8	ER lumen protein retaining receptor 1	e9	77.02	5	4	19.3	5												
673	P62752	RL23A_RAT	17684.13	10.44	60S ribosomal protein L23a	e9	46.04	5	5	30.1	5												
674	P50408	VATF_RAT	13361.99	5.52	V-type proton ATPase subunit F	e10	158.21	4	3	44.5	5												
675	Q7TSP2	KIF15_RAT	160581.75	5.52	Kinesin-like protein KIF15													e2 (e1)	62.62	3	3	2.5	7
676	Q4AEF8	COPG_RAT	98805.92	5.26	Coatomer subunit gamma	e1 (e4, e3)	78.47	2	2	2.3	4	e4 (e2, e6, e3)	91.34	3	3	4	8	e4 (e2, e6)	87.86	4	4	6.1	6
677	Q32PX5	Q32PX5_RAT	49898.56	6.73	Smc4 protein													e2	56.16	4	4	8.5	4
678	Q794E4	HNRPF_RAT	46043.04	5.31	Heterogeneous nuclear ribonucleoprotein F													e6 (e2, e9)	75.41	4	4	11.3	6
679	Q80ZA3	Q80ZA3_RAT	46493.21	6.04	Alpha-2 antiplasmin							e7 (e6)	50.14	3	3	5.7	5	e7 (e6, e3, e5)	107.13	4	4	9.1	12
680	Q6MG74	Q6MG74_RAT	86435.12	6.57	B-factor, properdin													e4	135.95	4	4	6.2	4
681	Q66HF1	NDUS1_RAT	80330.94	5.65	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial							e4	84.95	4	4	8.5	4	e4	46.88	1	1	2.2	1
682	Q641Y8	DDX1_RAT	83414.16	6.81	ATP-dependent RNA helicase DDX1							e4	72.59	3	3	5.5	3	e4	42.8	4	4	6.4	4
683	P00689	AMYP_RAT	57825.05	8.34	Pancreatic alpha-amylase													e5	74.93	2	2	5.5	4
684	Q6TUH0	Q6TUH0_RAT	80146.42	6.01	LRRGT00074													e5	74.63	4	4	7	4
685	Q920L2	DHSA_RAT	72596.05	6.75	Succinate dehydrogenase [ubiquinone] flavopro	e5	77.06	3	3	4.3	3	e5	51.97	4	4	7	4	e5	70.17	3	3	5.3	3
686	O08651	SERA_RAT	57255.51	6.28	D-3-phosphoglycerate dehydrogenase							e6	38.03	1	1	3	1	e6	98.64	4	4	8.8	4
687	Q63081	PDIA6_RAT	48542.46	5	Protein disulfide-isomerase A6	e6	131.11	3	3	12.5	3	e6 (e7)	70.8	2	2	5.5	3	e6	94.33	4	4	11.8	4
688	Q68FS3	FBX7_RAT	57980.89	6.14	F-box only protein 7													e6	64.67	3	3	6.9	4
689	O89046	COR1B_RAT	54438.24	5.65	Coronin-1B													e6	56.19	4	4	7	4
690	P09456	KAP0_RAT	43296.1	5.27	cAMP-dependent protein kinase type I-alpha regulatory subunit													e6	34.42	4	4	11.3	4
691	Q5M9F7	Q5M9F7_RAT	46754.38	7.06	Actin-related protein 10 homolog (S. cerevisiae)													e7	68.22	3	3	7.7	4
692	P62961	YBOX1_RAT	35708.57	9.87	Nuclease-sensitive element-binding protein 1													e7	67.36	4	4	12.7	4
693	Q1HCL7	CE033_RAT	48428.69	6.5	UPF0465 protein C5orf33 homolog													e7	57.31	4	4	9.2	4
694	Q8K1Q0	NMT1_RAT	57166.08	8.04	Glycylpeptide N-tetradecanoyltransferase 1													e7	50.93	4	4	9.1	4
695	P09034	ASSY_RAT	46752.01	7.63	Argininosuccinate synthase													e7	42.04	3	3	7.8	4
696	Q62818	EI2BB_RAT	39078.88	5.79	Translation initiation factor eIF-2B subunit beta	e7	34.17	1	1	5.1	1							e8 (e7)	54.76	4	4	13.7	5
697	P49445	PTN7_RAT	40801.58	6.43	Tyrosine-protein phosphatase non-receptor type 7													e8 (e7)	62.34	4	4	11.1	5
698	Q6TUH3	Q6TUH3_RAT	90403.36	6.25	LRRGT00071													e7	25.96	4	4	3.7	4
699	Q5BJN2	Q5BJN2_RAT	25074.09	7.81	Death-associated kinase 2													e7	0	4	4	16.7	4
700	P86172	NMRL1_RAT	16947.8	7.1	NmrA-like family domain-containing protein 1 (Fragments)													e8	114.78	3	3	24	4
701	Q07936	ANXA2_RAT	38938.91	7.55	Annexin A2	e8	40.65	3	3	9.1	3	e8	54.73	4	4	12.1	4	e8	33.25	2	2	7.1	2
702	Q6P4Z6	LCMT1_RAT	38989.33	5.73	Leucine carboxyl methyltransferase 1													e8	23.67	4	4	11.7	4
703	Q6P7Q4	LGUL_RAT	20977.4	5.12	Lactoylglutathione lyase													e9	109.41	4	4	24.5	4
704	A0JN17	A0JN17_RAT	21709.02	8.25	V-Ki-ras2 Kirsten rat sarcoma viral oncogene ho	e9	47.59	2	2	14.4	2	e9	42.67	1	1	8	1	e9	86.01	4	4	32.4	4
705	B2RYN3	B2RYN3_RAT	19887.39	7.89	Eukaryotic translation elongation factor 1 epsilon 1							e9	53.59	2	2	9.8	2	e9	74.72	4	4	32.2	4
706	P21670	PSA4_RAT	29764.28	7.59	Proteasome subunit alpha type-4													e9	72.37	3	3	16.5	4
707	Q64537	CPNS1_RAT	28665.99	5.29	Calpain small subunit 1													e9	67.18	4	3	10.7	4
708	P07632	SODC_RAT	16072.86	5.88	Superoxide dismutase [Cu-Zn]	e9	31.87	2	2	14.9	2							e9	63.66	3	3	19.5	4
709	Q91Y78	UCHL3_RAT	26278.1	5.01	Ubiquitin carboxyl-terminal hydrolase isozyme L3													e9	61.73	4	4	26.1	4
710	Q63797	PSME1_RAT	28730.03	5.77	Proteasome activator complex subunit 1													e9	49.34	4	4	11.6	4
711	O35796	C1QBP_RAT	31319.65	4.77	Complement component 1 Q subcomponent-bin	e9	64	1	1	5	2	e9	101.91	3	3	15.8	4	e9	41.24	1	1	5	2
712	Q6PEC0	AP4A_RAT	17089.71	5.35	Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical]													e9	39.11	4	4	33.3	4
713	P63326	RS10_RAT	18903.82	10.15	40S ribosomal protein S10	e9 (e10)	40.19	3	3	20	6							e9	35.19	3	3	16.4	3
714	P19511	AT5F1_RAT	28964.52	9.39	ATP synthase subunit b, mitochondrial	e9	21.43	3	3	10.9	3	e9	38.29	4	4	14.8	4	e9	31.52	2	2	10.5	2
715	P31044	PEBP1_RAT	20902.43	5.48	Phosphatidylethanolamine-binding protein 1													e9	27.73	4	4	24.6	4
716	P62853	RS25_RAT	13790.72	10.12	40S ribosomal protein S25	e9	43.61	4	4	28.8	4							e9	23.02	2	2	12	2
717	P30904	MIF_RAT	12640.23	6.79	Macrophage migration inhibitory factor													e10	83.77	4	3	33.9	4
718	B3DMA1	B3DMA1_RAT	113069.55	8.7	Atxn2l protein							e1	30.17	4	4	3.2	4						
719	Q574D7	Q574D7_RAT	217884.1	6.18	Ankyrin G217							e2	53.6	3	3	1.5	4						
720	Q5U308	LRC8D_RAT	99017.35	7.14	Leucine-rich repeat-containing protein 8D	e1 (e2, e3)	97.56	4	4	7.2	10	e3	47.02	2	2	3.8	2						
721	B2RYN6	B2RYN6_RAT	92147.45	6.36	Adaptor-related protein complex 1, gamma 1 su	e4 (e3)	107.95	4	4	6.4	5	e4	72.88	3	3	4	3						
722	Q62902	LMAN1_RAT	58205.93	5.92	Protein ERGIC-53	e6	63.55	3	3	4.8	3	e6	44.95	4	4	6.2	4						
723	Q07647	GTR3_RAT	54002.12	4.95	Solute carrier family 2, facilitated glucose transporter member 3							e7	104.46	4	4	8.7	4						
724	Q3MID6	Q3MID6_RAT	37238.44	4.43	Calumenin	e7	55.73	3	3	11.1	3	e7	74.62	4	3	11.1	4						
725	B2RYA8	B2RYA8_RAT	30675.84	4.79	LOC689593 protein	e7	32.93	3	3	11.6	3	e7	45.86	4	4	15.2	4						
726	Q4V8F6	Q4V8F6_RAT	35666.31	8.17	Pcbp2 protein	e7	42.16	3	3	6.6	3	e7	44.96	4	4	11	4						
727	Q6AYU3	DNJB6_RAT	39012.41	9.39	DnaJ homolog subfamily B member 6	e7	39.3	2	2	7.3	2	e7	30.8	4	4	11.8	4						
728	B0BNL7	B0BNL7_RAT	29802.21	8.25	Rell1 protein	e8	84.16	3	3	13.6	3	e8	92.15	4	4	16.9	4						

729	Q5PPM8	TM55B_RAT	31056.44	9.17	Transmembrane protein 55B	e8	57.57	4	4	12.7	4	e8	63.64	3	3	10.2	3						
730	B2RZ78	VPS29_RAT	20626.71	6.29	Vacuolar protein sorting-associated protein 29	e9	67.22	3	3	15.9	4	e9	46.85	1	1	5.5	1						
731	P62912	RL32_RAT	15963.85	11.32	60S ribosomal protein L32	e9 (e10)	68.15	4	4	28.9	5	e10 (e9)	68.02	2	2	17	6						
732	Q63524	TMED2_RAT	22832.39	5.08	Transmembrane emp24 domain-containing prot	e9	61.09	4	3	13.4	4	e9	37.3	2	2	7.5	2						
733	P62278	RS13_RAT	17211.67	10.53	40S ribosomal protein S13	e9 (e10)	43.06	3	3	17.9	5	e10	42.38	2	2	17.9	2						
734	Q62625	MLP3B_RAT	16440.56	8.71	Microtubule-associated proteins 1A/1B light cha	e10	63.76	4	4	22.5	4	e10	37.83	2	2	14.8	2						
735	P17078	RL35_RAT	14543.62	11.05	60S ribosomal protein L35							e10	35.16	3	3	20.3	4						
736	P26051	CD44_RAT	56424.09	5.02	CD44 antigen	e4	83.49	4	4	6.4	4												
737	Q793F9	VPS4A_RAT	49161.16	7.64	Vacuolar protein sorting-associated protein 4A	e6	50.9	4	4	11.4	4												
738	Q4QQU9	Q4QQU9_RAT	38683.35	7.44	Osteopetrosis associated transmembrane prote	e6 (e9)	44.35	2	2	7.4	6												
739	B1H230	B1H230_RAT	39627.18	7.05	Map2k3 protein	e7	88.15	3	3	9.2	4												
740	Q8CIN9	RFFL_RAT	41636.9	5.41	E3 ubiquitin-protein ligase rififylin	e7	32.66	4	4	12.4	4												
741	Q5U2W7	CYAC3_RAT	28973.08	9.6	Cytochrome b ascorbate-dependent protein 3	e8 (e7, e9)	34.91	3	3	9.8	10												
742	P01836	KACA_RAT	11895.68	4.99	Ig kappa chain C region, A allele	e9	113.73	4	4	43.4	4												
743	Q6AY18	Q6AY18_RAT	22498.54	6.21	SAR1 homolog A (S. cerevisiae)	e9	24.78	4	3	22.7	4												
744	P50115	S10A8_RAT	10289.13	5.68	Protein S100-A8	e10	72.11	4	3	46.1	4												
745	P62246	RS15A_RAT	14944.01	10.14	40S ribosomal protein S15a	e10	35.55	3	3	17.7	4												
746	Q498S9	Q498S9_RAT	63094.53	7.79	LOC498793 protein (Fragment)													e4 (e2, e6, e3)	68.53	2	2	4.6	7
747	P56558	OGT1_RAT	116786.75	6.18	UDP-N-acetylglucosamine--peptide N-acetylglu	e3	37.61	1	1	1	1							e3	62.78	3	3	2.9	3
748	Q01177	PLMN_RAT	93213.94	6.79	Plasminogen													e4	64.16	3	3	3.9	3
749	Q6MG08	ABCF1_RAT	95649.24	6.27	ATP-binding cassette sub-family F member 1													e4	46.56	3	3	5	3
750	P08649	CO4_RAT	193638.91	6.99	Complement C4							e8	84.03	2	2	1.5	2	e8 (e7, e4)	105.33	3	3	2.3	6
751	P08461	ODP2_RAT	67636.57	8.76	Dihydrolipoyllysine-residue acetyltransferase co	e5	78.99	2	2	5.2	2	e5 (e3)	74.74	3	3	6.3	4	e9 (e5)	44.43	1	1	2.4	3
752	Q3KR98	Q3KR98_RAT	61187.92	4.89	Karyopherin alpha 6 (Importin alpha 7)													e6	136.48	3	3	10.7	3
753	B2RZ97	B2RZ97_RAT	42463.08	5.48	LOC684322 protein													e6	120.22	2	2	8.1	3
754	Q4KLZ3	Q4KLZ3_RAT	43287	8.73	DAZ associated protein 1							e6	104.5	3	3	9.4	3	e6	95.98	2	2	5.7	2
755	P35433	PUR1_RAT	58198.71	6.72	Amidophosphoribosyltransferase													e6	81.91	3	3	6.4	3
756	Q4KM36	Q4KM36_RAT	25557.32	4.52	ATG4 autophagy related 4 homolog B (S. cerevisiae)													e7 (e6)	89.71	3	3	18.3	5
757	A1L122	A1L122_RAT	60826.85	5.44	NEDD8 activating enzyme E1 subunit 1													e6	45.41	3	3	6.4	3
758	Q7TPI9	Q7TPI9_RAT	67190.99	6.85	Ac2-248													e6	42.49	3	3	4.4	3
759	Q5U2N2	Q5U2N2_RAT	56397.11	5.11	Ubiquitin carboxyl-terminal hydrolase													e6	39.36	3	3	5.9	3
760	P61203	CSN2_RAT	51849.16	5.36	COP9 signalosome complex subunit 2													e6	35.51	3	3	10.8	3
761	Q6P7Q1	BRE_RAT	43987.02	5.62	BRCA1-A complex subunit BRE	e7	37	1	1	3.7	1	e7	38.61	1	1	3.7	1	e7	40.34	3	3	9.9	3
762	O08836	IGBP1_RAT	39281.78	5.79	Immunoglobulin-binding protein 1													e7	38.62	3	3	7.1	3
763	Q4FZT2	Q4FZT2_RAT	11051.6	6.32	Ppme1 protein (Fragment)													e7	36.64	3	3	34	3
764	Q63803	GNAS1_RAT	123836.42	4.73	Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas													e7	22.33	3	3	3	3
765	A2RUW1	TOLIP_RAT	30523.03	5.04	Toll-interacting protein	e8 (e9)	55.34	2	2	8	4	e9 (e8)	75.72	3	3	12.8	4	e8 (e9)	57.71	1	1	5.1	4
766	Q4FZT0	STML2_RAT	38504.28	8.74	Stomatin-like protein 2							e7 (e8)	38.68	2	2	7.9	6	e8	56.34	2	2	7.9	2
767	Q99MD0	Q99MD0_RAT	12792.75	7.03	Cyclin-dependent kinase 6 (Fragment)													e8	51.11	3	3	34.2	3
768	Q03336	RGN_RAT	33938.59	5.27	Regucalcin													e8	35.43	3	3	10.7	3
769	Q9EQS0	TALDO_RAT	37607.51	6.57	Transaldolase													e8	34.46	3	3	5.9	3
770	B0BN52	B0BN52_RAT	34133.21	8.58	Mitochondrial carrier homolog 2 (C. elegans)	e9 (e8)	59.07	2	1	7.9	5	e9	46.98	1	1	7.9	1	e8	33.28	1	1	7.9	1
771	P80385	AAKG1_RAT	37533.74	6.47	5'-AMP-activated protein kinase subunit gamma	e8	40.11	3	3	7.9	3							e8	17.5	3	3	10.9	3
772	P60901	PSA6_RAT	27837.98	6.34	Proteasome subunit alpha type-6													e9	140.88	3	3	17.1	3
773	P17220	PSA2_RAT	26024.32	6.92	Proteasome subunit alpha type-2													e9	134.93	2	2	17.1	3
774	Q5XIF2	Q5XIF2_RAT	28819.65	6	Uroporphyrinogen III synthase													e9	114.46	3	3	14.7	3
775	Q7TPK2	Q7TPK2_RAT	238307.95	5.41	Ac2-120							e9	39.73	2	2	1.1	2	e9	104.32	3	3	1.8	3
776	A8WCF8	TPRGL_RAT	30053.45	6.92	Tumor protein p63-regulated gene 1-like protein	e9	107.38	3	3	15.8	3							e9	84.18	2	2	9	2
777	Q9ESH1	Q9ESH1_RAT	40933.31	4.69	26S proteasome subunit S5a													e9	58.65	3	3	7.7	3
778	Q9Z0V5	Q9Z0V5_RAT	31216.16	6.18	PRx IV	e9	46.89	3	3	10.6	3	e9	57.62	3	3	12.1	3	e9	48.65	2	2	8.4	2
779	Q4KM73	KCY_RAT	22383.32	5.66	UMP-CMP kinase													e9	47.1	2	2	11.7	3
780	P13471	RS14_RAT	16419.58	10.07	40S ribosomal protein S14	e9 (e10)	56.21	1	1	7.3	4	e9 (e10)	45.91	1	1	7.3	4	e10 (e9)	43.58	1	1	7.3	2
781	P31399	ATP5H_RAT	18808.62	6.17	ATP synthase subunit d, mitochondrial	e9	49.54	2	2	16.1	2	e9	111.57	3	3	26.7	3	e9	40.9	2	2	13	2
782	Q66HR2	MARE1_RAT	30156.23	5.12	Microtubule-associated protein RP/EB family member 1													e9	37.6	2	2	10.4	3
783	P19944	RLA1_RAT	11604.74	4.28	60S acidic ribosomal protein P1	e10 (e9)	59.29	2	2	36.8	3	e10	39.05	1	1	14	1	e10 (e9)	103.17	3	3	42.1	4
784	P62744	AP2S1_RAT	17177.76	5.82	AP-2 complex subunit sigma-1													e10	60.26	3	3	19.7	3
785	P50116	S10A9_RAT	13307.48	7.05	Protein S100-A9	e10	55.04	3	3	24.8	3							e10	42.9	3	3	23.9	3
786	Q4JFV6	Q4JFV6_RAT	46347.21	9.27	Nucleic acid binding protein													e10	34.99	2	2	3.8	3
787	Q9JI30	Q9JI30_RAT	128061.73	6.21	Integrin beta 2 alpha subunit							e3	33.33	3	3	3.6	3						
788	Q66HA8	HS105_RAT	97326.74	5.4	Heat shock protein 105 kDa							e3	27.77	3	3	3.7	3						
789	B2RYB8	B2RYB8_RAT	87955.34	7.24	Integrin beta							e4	58.53	3	3	4	3						
790	Q5U355	Q5U355_RAT	67728.37	5.35	Itfg1 protein	e4	43.49	2	2	4.9	3	e4	28.85	2	2	4.9	3						
791	Q8R4C0	CAN5_RAT	74044.94	7.52	Calpain-5	e5	51.02	1	1	2.2	1	e6	52.94	3	3	4.8	3						
792	Q63965	SFXN1_RAT	35808.34	9.2	Sideroflexin-1							e8	83.3	3	2	9.9	3						
793	Q62931	GOSR1_RAT	28629.57	9.34	Golgi SNAP receptor complex member 1	e9	75.12	3	3	14	3	e9	70.6	3	3	13.6	3						
794	Q695P6	C5ARL_RAT	38724.8	6.54	C5a anaphylatoxin chemotactic receptor C5L2	e7 (e9)	78.99	3	3	9.3	5	e9	56.81	2	2	6.7	2						
795	Q4AEG0	Q4AEG0_RAT	21428.72	5.89	Glycoprotein 9							e9	28.18	3	3	24.3	3						
796	P62890	RL30_RAT	12946.81	9.65	60S ribosomal protein L30	e10	80	2	2	24.3	2	e10	129.47	3	3	40.9	3						
797	B2GV99	B2GV99_RAT	17173.2	4.56	Myl6 protein	e10	73.19	2	2	19.1	3	e10	56.12	2	2	19.1	2						
798	Q71TY3	RS27_RAT	9796.96	9.57	40S ribosomal protein S27							e10	22.04	3	2	28.6	3						
799	P28494	MA2A1_RAT	57042.3	6.2	Alpha-mannosidase 2 (Fragment)	e3	50.22	3	3	7.4	3												
800	Q9R141	S22A4_RAT	62834.71	6.48	Solute carrier family 22 member 4	e5	58.69	3	3	5.6	3												
801	Q62720	ZNT1_RAT	56133.35	5.99	Zinc transporter 1	e5	32.24	3	3	6.7	3												
802	Q5XI38	Q5XI38_RAT	70704.95	5.15	Lymphocyte cytosolic protein 1	e5	30.99	3	3	7.2	3												
803	Q5U3X5	Q5U3X5_RAT	48455.56	6.64	Fgl2 protein (Fragment)	e5	26.03	3	3	5.5	3												
804	P85969	SNAB_RAT	33790.59	5.32	Beta-soluble NSF attachment protein	e6	55.76	3	3	8.4	3												
805	Q5U2V2	Q5U2V2_RAT	53199.06	7.82	Serine incorporator 3	e7 (e6)	68.62	3	3	5.1	5												
806	Q6AYE2	SHLB1_RAT	41046.87	5.78	Endophilin-B1	e7	53.63	3	3	9.6	3												
807	P05371	CLUS_RAT	51969.54	5.47	Clusterin	e7 (e8)	52.4	2	2	7.4	5												
808	Q7TNK0	SERC1_RAT	51545.75	5.91	Serine incorporator 1	e7	42.01	3	3	7.3	3												
809	Q9JHY2	SFXN3_RAT	35695.75	9.79	Sideroflexin-3	e8	62.2	2	1	5.9	3												

810	P57760	STK16_RAT	34842.55	5.99	Serine/threonine-protein kinase 16	e8	37.9	3	3	10.8	3												
811	Q66H23	MFRN1_RAT	37757.52	9.22	Mitoferrin-1	e8	37.5	3	3	13.9	3												
812	P62161	CALM_RAT	16826.83	4.09	Calmodulin	e9	98.65	3	3	34.9	3												
813	P04644	RS17_RAT	15557.34	9.79	40S ribosomal protein S17	e9	74.83	3	3	40.7	3												
814	Q6VBQ5	MYADM_RAT	35866.34	8.57	Myeloid-associated differentiation marker	e9	64.37	3	3	11.3	3												
815	B2RZ37	B2RZ37_RAT	21645.09	8.26	Reep5 protein	e9	41.98	3	3	13.2	3												
816	P62332	ARF6_RAT	20183.48	9.04	ADP-ribosylation factor 6	e9	34.77	3	3	12.6	3												
817	Q9Z2J5	VAMP5_RAT	11602.12	7.77	Vesicle-associated membrane protein 5	e10	42.81	3	3	34.3	3												
818	P60868	RS20_RAT	13478.35	9.95	40S ribosomal protein S20	e10	32.17	3	3	20.2	3												
819	Q5U3Y1	Q5U3Y1_RAT	7833.7	6.78	Xpo7 protein (Fragment)							e3	37.36	1	1	16.4	1	e3 (e1)	53.58	1	1	13.4	3
820	P97608	OPLA_RAT	139002.19	5.89	5-oxoprolinase													e3	34.78	2	2	1.9	2
821	P06494	ERBB2_RAT	142049.84	5.61	Receptor tyrosine-protein kinase erbB-2													e4	37.43	2	2	1.4	2
822	B1WC21	B1WC21_RAT	79435.62	5.1	Fbln1 protein													e4	28.75	2	2	2.9	2
823	O55012	PICA_RAT	69470.38	8.58	Phosphatidylinositol-binding clathrin assembly protein													e5	76	2	2	7.3	2
824	Q62975	ZPI_RAT	50325.81	6.35	Protein Z-dependent protease inhibitor													e5	49.68	2	2	4.1	2
825	Q0ZFS6	Q0ZFS6_RAT	48696.92	6.24	Interferon-related developmental regulator 2	e6	50.89	2	2	5.9	2	e6	121.58	1	1	3.9	2	e6	122.35	2	2	7.3	2
826	P20673	ARLY_RAT	51745.35	5.99	Argininosuccinate lyase													e6	71.44	2	2	9.1	2
827	Q8VHV7	HNRH1_RAT	49442.42	5.7	Heterogeneous nuclear ribonucleoprotein H							e6	83.82	2	2	7.6	2	e6	70.81	2	2	7.6	2
828	B2RYG0	B2RYG0_RAT	37904.92	6.56	Coro1c protein													e6 (e7)	67.82	1	1	4.8	3
829	Q6AYT5	CF211_RAT	50607.58	5.46	UPF0364 protein C6orf211 homolog													e6	67.67	2	2	5.2	2
830	Q5I0K6	Q5I0K6_RAT	34565.98	5.13	Secernin 3													e6	65.12	2	2	10.5	2
831	Q6AYT3	CV028_RAT	55727.06	6.77	UPF0027 protein C22orf28 homolog							e6	57.17	2	2	5	2	e6	62	2	2	5	2
832	Q7TP01	Q7TP01_RAT	69390.16	4.77	Bq135360													e6	56.62	2	2	5.4	2
833	Q9EQV8	CBPN_RAT	52233.2	8.6	Carboxypeptidase N catalytic chain													e6	53.6	1	1	3.3	2
834	Q4AE70	CARM1_RAT	70922.94	6.72	Histone-arginine methyltransferase CARM1													e6	49.58	2	2	6.8	2
835	Q5XI21	Q5XI21_RAT	54340.34	4.84	Target of myb1 homolog (Chicken)	e6	93.45	2	2	5.9	2	e6	63.85	1	1	3.3	1	e6	48.83	1	1	3.3	1
836	P31977	EZRI_RAT	69461.68	5.83	Ezrin													e6	41.9	2	2	4.4	2
837	B1H267	B1H267_RAT	47049.17	6.19	Snx5 protein	e6	48.29	2	2	6.4	2	e6	59.28	1	1	3.5	1	e6	38.53	2	2	9.7	2
838	Q01986	MP2K1_RAT	43779.48	6.18	Dual specificity mitogen-activated protein kinase kinase 1													e7	70.69	2	2	5.9	2
839	P25093	FAAA_RAT	46231.15	6.67	Fumarylacetoacetase													e7	64.22	2	2	7.6	2
840	Q05764	ADDB_RAT	81055.37	5.7	Beta-adducin													e7	53.87	2	2	3	2
841	Q6P7P5	BZW1_RAT	48183.81	5.75	Basic leucine zipper and W2 domain-containing protein 1													e7	41.95	2	2	8.1	2
842	Q5RJK6	Q5RJK6_RAT	43731.21	4.95	Inositol polyphosphate-1-phosphatase													e7	32.34	2	2	5.3	2
843	Q5XIG8	STRAP_RAT	38717.11	4.99	Serine-threonine kinase receptor-associated protein													e7	31.1	2	2	6.3	2
844	Q4V7A0	WDR61_RAT	33896.86	5.17	WD repeat-containing protein 61													e8	89	2	2	7.5	2
845	P13803	ETFA_RAT	35271.59	8.62	Electron transfer flavoprotein subunit alpha, mit	e8	54.28	1	1	4.8	1	e8	57.65	2	2	7.8	2	e8	57.6	1	1	4.8	1
846	Q5FVP6	Q5FVP6_RAT	31563.61	6.51	Guanosine monophosphate reductase 2													e8	55.57	2	2	8.4	2
847	Q561S0	NDUAA_RAT	40752.75	7.64	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial													e8	52.21	2	2	9.3	2
848	Q68FU2	Q68FU2_RAT	40942.93	7.57	Phosphoserine aminotransferase													e8	39.53	2	2	5.4	2
849	Q5XFX0	TAGL2_RAT	22550.21	8.41	Transgelin-2	e9	79.52	2	2	16.1	2	e9	71.67	2	2	16.1	2	e9	111.06	2	2	16.1	2
850	B4F7C7	B4F7C7_RAT	21224.46	5.33	Hebp1 protein													e9	82.52	2	2	17.9	2
851	B2RYV5	B2RYV5_RAT	22163.96	4.86	RGD1562502 protein (Fragment)													e9	81.88	2	2	12.9	2
852	P04906	GSTP1_RAT	23652.15	6.89	Glutathione S-transferase P													e9	79.44	2	2	12.9	2
853	O35264	PA1B2_RAT	25736.22	5.57	Platelet-activating factor acetylhydrolase IB subunit beta													e9	66.88	2	2	12.2	2
854	B5DEZ9	B5DEZ9_RAT	16528.51	9.07	Otub2 protein													e9	62.12	2	2	16.7	2
855	P63322	RALA_RAT	23709.02	6.66	Ras-related protein Ral-A	e9	45.41	2	2	9.2	2							e9	62.07	1	1	6.8	1
856	P28075	PSB5_RAT	28738.28	6.52	Proteasome subunit beta type-5													e9	57.68	2	2	9.1	2
857	Q8VD52	PLPP_RAT	33493	5.44	Pyridoxal phosphate phosphatase													e9	56.88	1	1	6.5	2
858	Q5RKH7	CB018_RAT	41407.69	6.75	Transmembrane protein C2orf18 homolog	e9 (e8)	63.81	2	2	6.7	3	e9	76.5	2	2	6.7	2	e9	56.52	2	2	6.7	2
859	B5DEP1	B5DEP1_RAT	21743.73	5.36	Pdcd6 protein	e9	65.55	2	2	12.2	2	e9	48.47	1	1	6.9	1	e9	40.69	1	1	6.9	1
860	Q9Z1B2	GSTM5_RAT	27067.26	6.33	Glutathione S-transferase Mu 5													e9	31.61	2	2	8.4	2
861	P62959	HINT1_RAT	13882.14	6.36	Histidine triad nucleotide-binding protein 1													e10	51.39	2	2	15.9	2
862	Q6T7Y2	Q6T7Y2_RAT	17288.33	4.86	Brain-specific K-Cl cotransporter KCC3a isoform	e3 (e2)	44.61	2	2	12.2	3	e3	40.91	2	2	12.2	2						
863	P52873	PYC_RAT	130435.94	6.34	Pyruvate carboxylase, mitochondrial							e3	20.47	2	2	2	2						
864	Q9Z1P2	ACTN1_RAT	103465.79	5.23	Alpha-actinin-1							e4	54.13	2	2	2.5	2						
865	P97582	P97582_RAT	90326.31	8.07	Ankyrin (Fragment)							e4	51.35	2	2	2.1	2						
866	P14408	FUMH_RAT	54714.15	9.06	Fumarate hydratase, mitochondrial							e6	34.78	2	2	3.6	2						
867	Q4KM33	PLEK_RAT	40312.61	8.52	Pleckstrin	e7	62.13	2	2	9.4	2	e7	50.1	1	1	4	1						
868	O35854	BCAT2_RAT	44817.1	8.46	Branched-chain-amino-acid aminotransferase, mitochondrial							e7	39.48	2	2	5.1	2						
869	A0JPL5	A0JPL5_RAT	31721.34	6.64	Aquaporin 3	e8 (e7)	43.05	2	1	2.7	3	e8	43.13	2	2	4.5	2						
870	P07895	SODM_RAT	24886.66	8.96	Superoxide dismutase [Mn], mitochondrial	e9	53.16	1	1	6.3	1	e9	101.86	2	2	13.1	2						
871	Q7TP91	Q7TP91_RAT	84007.09	9.29	Ab1-205	e9	75.32	2	2	2.9	2	e9	68.7	1	1	1.8	1						
872	Q68VK5	TSN5_RAT	31001.43	4.59	Tetraspanin-5	e9	66.77	2	2	9	2	e9	62.84	2	2	9	2						
873	P61227	RAP2B_RAT	20719.29	4.73	Ras-related protein Rap-2b	e9	78.42	2	2	9.3	2	e9	55.79	1	1	6.6	1						
874	P23965	D3D2_RAT	32348.06	9.55	3,2-trans-enoyl-CoA isomerase, mitochondrial							e9	51.73	2	2	9.3	2						
875	O54980	SNG2_RAT	24923.24	4.61	Synaptogyrin-2	e9	36.28	2	2	12.5	2	e9	50.97	2	2	12.5	2						
876	B4F7A5	B4F7A5_RAT	16635.45	4.92	Cd99 protein	e9	58.85	2	2	13.9	2	e9	43.68	2	2	13.9	2						
877	Q920D2	DYR_RAT	21681.26	6.77	Dihydrofolate reductase	e9	44.97	2	2	11.2	2	e9	39.52	2	2	11.2	2						
878	P26772	CH10_RAT	10894.86	8.89	10 kDa heat shock protein, mitochondrial	e10	90.77	2	2	25.5	2	e10	76.94	1	1	13.7	1						
879	B1WBU7	B1WBU7_RAT	17609.63	5.58	Tmem50a protein	e10	71.79	2	2	14.6	2	e10	56.42	1	1	9.6	1						
880	P11240	COX5A_RAT	16347.4	6.08	Cytochrome c oxidase subunit 5A, mitochondrial							e10	39.53	2	2	15.8	2						
881	P35434	ATPD_RAT	17584.17	5.16	ATP synthase subunit delta, mitochondrial							e10	39.22	2	2	13.7	2						
882	B2GUV5	B2GUV5_RAT	13816	6.75	ATPase, H transporting, lysosomal V1 subunit G	e10 (e9)	61.65	2	2	31.4	3	e10	36.95	1	1	18.6	1						
883	Q6PDU7	Q6PDU7_RAT	11453.09	9.57	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit G							e10	25.84	2	2	30.1	2						
884	Q6P7B3	Q6P7B3_RAT	73444.74	8.62	Tripartite motif-containing 25	e1 (e5)	36.72	1	1	2.8	3												
885	Q9JHU0	DPYL5_RAT	62071.43	6.6	Dihydropyrimidinase-related protein 5	e4	33.32	2	2	2.7	2												
886	O70513	LG3BP_RAT	64613.81	5.19	Galectin-3-binding protein	e4	30.35	2	2	5.1	2												
887	Q5PQL3	PSL1_RAT	64835.25	6.84	Signal peptide peptidase-like 2B	e5	50.15	2	2	3.8	2												
888	Q9ES71	GNPAT_RAT	77710.4	7.83	Dihydroxyacetone phosphate acyltransferase	e5	46.18	2	2	2.9	2												
889	Q76GL9	Q76GL9_RAT	56149.86	5.95	Neutral amino acid transporter ASCT1	e5	42.33	2	2	4	2												
890	P06349	H1T_RAT	21712.23	11.78	Histone H1t	e5	37.83	2	2	16.3	2												

891	Q9WVK1	Q9WVK1_RAT	18721.12	6.64	N-acetylglucosamine galactosyltransferase (Fra	e6	48.49	2	2	13.8	2												
892	O70600	RSAD2_RAT	41799.19	7.51	Radical S-adenosyl methionine domain-containi	e7	74.51	2	2	5.6	2												
893	Q4G086	Q4G086_RAT	23745.45	5.54	BCL2/adenovirus E1B interacting protein 3-like	e7	64.02	2	2	10.1	2												
894	Q9EQV6	TPP1_RAT	61750.03	6.25	Tripeptidyl-peptidase 1	e7	61.9	2	2	3.4	2												
895	Q3KR94	Q3KR94_RAT	55488.53	5.8	Vitronectin	e7	34.1	2	2	4.8	2												
896	Q9JLS8	OBRG_RAT	14481.51	5.09	Leptin receptor gene-related protein	e9 (e8)	62.92	2	2	16.8	3												
897	Q642B0	Q642B0_RAT	63605.11	5.73	Glypican 4	e8	38.97	2	2	4.5	2												
898	Q9JK41	COPT1_RAT	21228.43	6.89	High affinity copper uptake protein 1	e9 (e8)	44.95	2	2	9.1	4												
899	Q63064	CD52_RAT	9937.24	9.7	CAMPATH-1 antigen	e8	25.85	2	2	8.3	2												
900	B6RGM8	B6RGM8_RAT	4622.16	4	Cysteine-rich hydrophobic domain 2 protein (Fra	e9	83.77	2	2	57.5	2												
901	Q6P9X4	TP4A2_RAT	19513.9	8.67	Protein tyrosine phosphatase type IVA 2	e9	55.91	2	2	13.2	2												
902	Q6XFR6	Q6XFR6_RAT	10493.33	4.97	Glycophorin C	e9	43.11	2	2	36.8	2												
903	Q5M860	Q5M860_RAT	22926.56	4.99	Rho, GDP dissociation inhibitor (GDI) beta	e9	40.56	2	2	15	2												
904	Q5PQL2	RCD1_RAT	33921.99	8.18	Cell differentiation protein RCD1 homolog	e9	38.79	2	2	10	2												
905	Q99P74	RB27B_RAT	24832.36	5.38	Ras-related protein Rab-27B	e9	33.56	2	2	9.2	2												
906	P62845	RS15_RAT	17029.17	10.39	40S ribosomal protein S15	e9	0	2	2	17.2	2												
907	Q9R1T1	BAF_RAT	10266.07	5.79	Barrier-to-autointegration factor	e10	42.36	2	2	19.1	2												
908	Q6QI68	PEN2_RAT	12070.29	9.21	Gamma-secretase subunit PEN-2	e10	34.97	2	2	21.8	2												
909	P26376	INIB_RAT	15132.68	7.74	Interferon-inducible protein	e10	33.68	2	1	5.8	2												
910	Q6MG49	BAT3_RAT	115088.73	5.48	Large proline-rich protein BAT3												e3	36.28	1	1	1.2	1
911	Q4FZT5	Q4FZT5_RAT	23862.65	4.67	Tbc1d15 protein (Fragment)												e4	39.86	1	1	5.4	1
912	Q5U2R9	Q5U2R9_RAT	75488.3	6.3	Similar to Sec1 family domain containing protein	e5	89.96	1	1	2.8	1						e5	80.73	1	1	2.8	1
913	B1WBY2	B1WBY2_RAT	53119	6.03	Flad1 protein												e6	72.3	1	1	4.2	1
914	Q5I0D7	PEPD_RAT	55684.28	5.61	Xaa-Pro dipeptidase												e6	54.74	1	1	2	1
915	B0LT89	B0LT89_RAT	48244.69	5.29	Serine/threonine Ste20-like kinase 3												e6	52.12	1	1	3.5	1
916	Q5PQJ7	TBCEL_RAT	48528.65	5.35	Tubulin-specific chaperone cofactor E-like protein												e6	41.73	1	1	5.9	1
917	O88201	CLC11_RAT	36707.12	5.28	C-type lectin domain family 11 member A												e7	47.01	1	1	5.2	1
918	P41562	IDHC_RAT	47046.66	6.53	Isocitrate dehydrogenase [NADP] cytoplasmic												e7	46.92	1	1	3.1	1
919	P04182	OAT_RAT	48701.19	6.53	Ornithine aminotransferase, mitochondrial												e7	36.76	1	1	3.6	1
920	Q5M7T1	CIAO1_RAT	38620.01	4.72	Protein CIAO1												e7	36.54	1	1	2.4	1
921	Q63486	RRAGA_RAT	36941.7	7.62	Ras-related GTP-binding protein A												e8	57.13	1	1	4.2	1
922	Q6AYG5	ECHD1_RAT	32781.04	6.56	Enoyl-CoA hydratase domain-containing protein 1												e9 (e8)	57.48	1	1	6	2
923	P14669	ANXA3_RAT	36568.67	5.96	Annexin A3	e8	59.48	1	1	4.9	1						e8	44.13	1	1	4.9	1
924	A3E0T0	A3E0T0_RAT	97348.38	5.18	Erythrocyte protein band 4.1-like 3												e8	36.54	1	1	1.1	1
925	P34064	PSA5_RAT	26545.24	4.79	Proteasome subunit alpha type-5												e9	85.64	1	1	7.9	1
926	Q5M965	THG1_RAT	35169.61	8.44	Probable tRNA(His) guanylyltransferase												e9	80.58	1	1	5	1
927	Q63228	GMFB_RAT	16896.57	5.32	Glia maturation factor beta												e9	77.18	1	1	11.3	1
928	Q75Q41	Q75Q41_RAT	15480.82	4.27	TOM22	e9	65.54	1	1	14.8	1	e9	74.89	1	1	14.8	1	e9	68.78	1	1	14.8	1
929	Q3MIE7	Q3MIE7_RAT	22188.47	5.67	COMM domain containing 9	e9	53.06	1	1	8.1	1							e9	66.64	1	1	8.1	1
930	Q497C3	CP013_RAT	22939.69	6.89	UPF0585 protein C16orf13 homolog												e9	50.21	1	1	8.8	1
931	P40112	PSB3_RAT	23234.55	6.15	Proteasome subunit beta type-3												e9	41.39	1	1	7.8	1
932	P29410	KAD2_RAT	26647.65	6.33	Adenylate kinase 2, mitochondrial												e9	38.72	1	1	10.5	1
933	P23764	GPX3_RAT	25636.91	8.26	Glutathione peroxidase 3												e9	37.91	1	1	5.3	1
934	P02401	RLA2_RAT	11684.86	4.44	60S acidic ribosomal protein P2	e10	62.5	1	1	16.5	1	e10	59.72	1	1	16.5	1	e10	60.01	1	1	16.5	1
935	B5DF36	B5DF36_RAT	13173.9	7.89	Placenta-specific 8 (Predicted)	e9 (e10)	40.59	1	1	13.4	2	e10 (e1)	40.86	1	1	13.4	2	e10	36.88	1	1	13.4	1
936	Q4V8C2	ZW10_RAT	89050.76	5.69	Centromere/kinetochore protein zw10 homolog	e4	69.98	1	1	2.1	1	e4 (e3)	79.66	1	1	2.1	2						
937	Q9R1N3	S4A7_RAT	137007.35	6.04	Sodium bicarbonate cotransporter 3							e3	34.25	1	1	1.5	1						
938	P25235	RPN2_RAT	69149.05	5.63	Dolichyl-diphosphooligosaccharide--protein glyc	e6	62.98	1	1	1.9	1	e6	58.8	1	1	1.9	1						
939	Q6AYE1	Q6AYE1_RAT	32973.65	6.2	Similar to CG14980-PB	e6	48.07	1	1	5.3	1	e6	51.26	1	1	5.3	1						
940	P56574	IDHP_RAT	51391.06	8.88	Isocitrate dehydrogenase [NADP], mitochondrial							e7	44.53	1	1	2.9	1						
941	Q68FX0	IDH3B_RAT	42611.88	8.89	Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial							e7	42.55	1	1	4.4	1						
942	Q9QZA6	CD151_RAT	29191.73	8.12	CD151 antigen							e9	69.33	1	1	5.9	1						
943	P19234	NDUV2_RAT	27703.01	6.23	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial							e9	61.66	1	1	4	1						
944	Q5XI86	Q5XI86_RAT	19745.21	6.96	Peptidyl-tRNA hydrolase 2							e9	51.61	1	1	8.3	1						
945	Q66H95	DIRC2_RAT	52680.69	8.59	Disrupted in renal carcinoma protein 2 homolog	e9	39.53	1	1	3.1	1	e9	50.89	1	1	3.1	1						
946	Q6P7R8	DHB12_RAT	34989.75	9.69	Estradiol 17-beta-dehydrogenase 12	e9	39.27	1	1	4.8	1	e9	47.54	1	1	4.8	1						
947	Q498C8	RER1_RAT	23086.94	9.54	Protein RER1							e9	44.48	1	1	9.7	1						
948	P0C5H9	ARMET_RAT	20830.78	8.54	Protein ARMET							e9	37.83	1	1	8.4	1						
949	Q5PPH9	Q5PPH9_RAT	28719.31	3.98	Acidic (Leucine-rich) nuclear phosphoprotein 32	e8	35.7	1	1	3.2	1	e9	34.53	1	1	3.2	1						
950	B0K025	OSTC_RAT	16917.86	9.23	Oligosaccharyltransferase complex subunit OSTC							e10	37.52	1	1	8.1	1						
951	P47198	RL22_RAT	14836.77	9.06	60S ribosomal protein L22							e10	33.62	1	1	10.2	1						
952	B4F783	B4F783_RAT	102243.16	6.5	RGD1308009 protein (Fragment)	e1	57.09	1	1	1.1	1												
953	Q6AYC2	IRGM_RAT	46935.2	8.39	Immunity-related GTPase family M protein	e1	40.44	1	1	5.1	1												
954	Q08201	MDR2_RAT	141079.8	9.11	Multidrug resistance protein 2	e3	74.99	1	1	1.3	1												
955	O54699	S29A2_RAT	50859.55	6.3	Equilibrative nucleoside transporter 2	e5	40.4	1	1	2.6	1												
956	Q5S255	Q5S255_RAT	77038.75	7.83	Bruton agammaglobulinemia tyrosine kinase	e5	37.6	1	1	1.7	1												
957	Q924A5	S36A1_RAT	53104.82	6.14	Proton-coupled amino acid transporter 1	e6	48.92	1	1	3.2	1												
958	Q767J0	Q767J0_RAT	102869.5	4.99	Cadherin-related neuronal receptor 2	e6	34.56	1	1	1.2	1												
959	Q64194	LICH_RAT	45498.7	6.56	Lysosomal acid lipase/cholesteryl ester hydrolas	e7	62.02	1	1	3.3	1												
960	P21775	THIKA_RAT	44318.87	8.53	3-ketoacyl-CoA thiolase A, peroxisomal	e7	43.77	1	1	3.5	1												
961	Q2YDU8	SPNS1_RAT	57272.95	6.46	Protein spinster homolog 1	e7	34.14	1	1	2.7	1												
962	B2RYK5	B2RYK5_RAT	41063.4	9.87	Slc35a2 protein	e8	104.2	1	1	8.2	1												
963	Q9R1T3	CATZ_RAT	34856.66	6.74	Cathepsin Z	e8	41.07	1	1	4.6	1												
964	Q9JL55	GDE1_RAT	38009.09	6.25	Glycerophosphodiester phosphodiesterase 1	e8	37.52	1	1	2.7	1												
965	Q4KLJ1	Q4KLJ1_RAT	18107.95	9.41	Splicing factor, arginine/serine-rich 7	e9	51.29	1	1	8.9	1												
966	B2GUX7	B2GUX7_RAT	24486.36	5.96	Cellular repressor of E1A-stimulated genes (Pre	e9	39.79	1	1	6.4	1												
967	B4F7D7	B4F7D7_RAT	44588.89	6.78	Seli protein	e9	37.58	1	1	4.1	1												
968	B1WBY5	B1WBY5_RAT	63507.89	8.5	DnaJ (Hsp40) homolog, subfamily C, member 1	e9	35.21	1	1	2.5	1												
969	P97887	PSN1_RAT	53041.25	5.16	Presenilin-1	e9	34.96	1	1	1.9	1												
970	P62902	RL31_RAT	14453.93	10.54	60S ribosomal protein L31	e10	40	1	1	7.2	1												
971	P05942	S10A4_RAT	11996.81	5.04	Protein S100-A4	e10	39.05	1	1	16.8	1												

972	Q5U3Y5	SFT2A_RAT	18273.65	9.19	Vesicle transport protein SFT2A	e10	38.6	1	1	17	1											
973	Q71KM5	Q71KM5_RAT	19536.25	8.67	CRAMP (Fragment)	e10	37.34	1	1	9.4	1											

						J2						J4						J7					
Group	AC	ID	MW	pI	Description	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS	Fractions	Best score	Peptides	Sequences	Coverage (%)	MS/MS
1	P02091	HBB1_RAT	16083.29	7.88	Hemoglobin subunit beta-1	B10 (B1, B4, B6,	9474.59	21	18	95.9	2035	B10 (B1, B4, B6,	10229.43	20	17	95.2	2186	B10 (B1, B4, B6,	19147.67	37	30	100	3349
2	P11517	HBB2_RAT	16086.34	8.91	Hemoglobin subunit beta-2	B10 (B1, B4, B6,	4186.58	20	17	85.7	1499	B10 (B1, B4, B6,	4299.06	19	16	85	1560	B10 (B1, B4, B6,	10234.11	30	24	88.4	2499
3	Q99376	TFR1_RAT	70336.69	6.16	Transferrin receptor protein 1 (Fragment)	B2 (B10, B1, B4,	7533.57	54	44	72.7	2112	B2 (B10, B1, B4,	3831.61	45	37	59.2	1039	B2 (B1, B4, B6, B	1174.06	39	34	56.9	310
4	Q6PDU6	Q6PDU6_RAT	16084.25	6.75	Beta-glo	B10 (B1, B4, B6,	1802.25	19	14	78.2	781	B10 (B1, B4, B6,	2191.56	18	13	77.6	803	B10 (B1, B4, B6,	7072.58	30	22	93.9	1545
5	D4AD25	D4AD25_RAT	193666.38	5.48	Putative uncharacterized protein Cltc	B2 (B1, B4, B3)	4404.81	125	104	66.6	380	B2 (B1, B4, B3, B	4882.23	128	104	66	470	B2 (B1, B4, B6, B	9379.32	142	113	68.7	749
6	P01946	HBA_RAT	15489.83	7.82	Hemoglobin subunit alpha-1/2	B10 (B1, B4, B6,	2115.87	14	12	94.4	692	B10 (B1, B4, B6,	3248.73	17	14	94.4	762	B10 (B1, B4, B6,	5466.42	18	14	94.4	1122
7	Q62669	Q62669_RAT	16069.28	7.93	Zero beta-1 globin	B10 (B4, B7, B8,	1775.59	18	13	70.1	540	B10 (B4, B6, B7,	2101.85	17	12	69.4	636	B10 (B1, B4, B6,	5991.87	26	18	85.7	1340
8	Q02759	LX12L_RAT	76369.38	6.15	Arachidonate 12-lipoxygenase, leukocyte-typ	B5 (B10, B1, B4,	1995.12	61	44	75.4	519	B5 (B10, B1, B4,	2165.66	58	44	70.6	540	B5 (B10, B1, B4,	4240.73	72	55	84.9	975
9	D3ZNH4	D3ZNH4_RAT	15483.39	10.25	Histone H2B	B9 (B10, B4, B6,	1510.02	12	10	57.6	266	B9 (B10, B7, B8,	2300.93	16	14	63	439	B9 (B10, B6, B7,	681.52	10	8	53.4	182
10	P62804	H4_RAT	11360.38	11.36	Histone H4	B10 (B1, B4, B6,	1837.84	15	11	54.4	235	B10 (B1, B4, B7,	2342.45	17	13	59.2	247	B10 (B6, B7, B9,	565.74	15	11	53.4	88
11	D3ZNU8	D3ZNU8_RAT	281212.24	4.94	Putative uncharacterized protein Spta1	B1	1218.85	52	52	27.3	57	B1 (B2)	1904.52	93	91	42.2	119	B1 (B2)	3716.86	144	130	55.1	234
12	P02262	H2A1_RAT	14068.93	10.9	Histone H2A type 1	B9 (B10, B6, B7,	2778.77	8	8	41.9	229	B9 (B10, B4, B6,	3024.66	8	8	58.5	731	B9 (B10, B7, B8)	1496.89	6	6	57.7	280
13	Q6XDA0	Q6XDA0_RAT	246973.98	5.18	Erythroid spectrin beta	B1	234.6	12	12	6.7	13	B1	1076.7	63	63	32.6	66	B1 (B3, B2)	2885.65	125	109	54.7	199
14	D3ZJ08	D3ZJ08_RAT	15435.53	11.27	Histone H3	B9 (B10, B6, B8,	368.19	13	11	57.4	185	B9 (B10, B6, B7,	428.78	11	9	54.4	193	B9 (B10, B6, B7,	90.86	12	10	33.8	59
15	P63018	HSP7C_RAT	71055.3	5.37	Heat shock cognate 71 kDa protein	B5 (B1, B4, B6, B	1948.76	47	36	62.4	469	B5 (B1, B4, B6, B	1393.03	47	36	61.1	346	B5 (B1, B4, B6, B	1310.18	40	32	60.8	238
16	P0C0S7	H2AZ_RAT	13544.55	10.58	Histone H2A.Z	B9 (B10)	1433.36	6	6	46.9	170	B9 (B10)	1203.64	5	5	38.3	197	B9	402.03	4	4	30.5	84
17	P12346	TRFE_RAT	78512.46	7.14	Serotransferrin	B4 (B10, B1, B6,	1943.64	43	42	61.2	436	B4 (B1, B6, B7, B	1423.85	41	40	56	245	B4 (B1, B2, B5)	1005.81	36	36	50.3	70
18	Q62812	MYH9_RAT	227565.9	5.49	Myosin-9	B1 (B4, B6, B3, B	2035.93	82	71	39	270	B1 (B4, B6, B7, B	1882.32	94	76	37.5	304	B3 (B1, B4, B2)	480.43	33	29	17.2	100
19	Q5U329	Q5U329_RAT	94580.02	6.21	Slc4a1 protein	B3 (B1, B4, B6, B	1392.53	43	38	48.4	348	B3 (B1, B4, B6, B	1548.15	40	35	44.5	642	B4 (B10, B1, B6,	1736.21	41	37	48.4	559
20	Q1JU68	EIF3A_RAT	163496.04	6.38	Eukaryotic translation initiation factor 3 subu	B1 (B4, B3, B2)	175.5	14	13	10.6	44	B1 (B3, B2)	340.48	35	33	25.5	79	B2 (B1, B4, B3, B	1219.41	91	80	53.9	251
21	P05197	EF2_RAT	96192.24	6.41	Elongation factor 2	B3 (B1, B4, B6, B	1327.48	58	46	59.3	155	B3 (B1, B4, B6, B	1359.53	58	43	55.6	190	B3 (B1, B4, B6, B	1947.86	67	49	63.5	244
22	Q62667	MVP_RAT	96081.21	5.43	Major vault protein	B3 (B4, B5)	1190.63	47	42	68.3	77	B3 (B1, B4, B7, B	1585.44	51	42	64.2	130	B3 (B1, B4, B6, B	1967.18	54	44	67.2	185
23	D3ZXP3	D3ZXP3_RAT	15105.4	10.74	Histone H2A	B9	1441.54	6	6	39.2	102	B9	1264.83	6	6	52.4	104	B9	492.02	5	5	52.4	86
24	P12785	FAS_RAT	275100.86	5.96	Fatty acid synthase	B1	275.89	23	23	13.4	25	B1	316.85	27	27	13.3	31	B1 (B2)	1617.96	88	79	39.6	103
25	Q04462	SYVC_RAT	141534.55	7.54	Valyl-tRNA synthetase	B2 (B1, B9)	653.99	30	28	30.1	52	B2 (B1, B9, B3, B	570.47	32	31	30.8	74	B2 (B1, B4, B7, B	1614.73	71	64	58.2	172
26	D3ZCN7	D3ZCN7_RAT	420785.07	6.38	Putative uncharacterized protein ENSRNOP00000012501							B1	495.36	33	33	10.2	34	B1 (B2)	1363	82	79	26	96
27	Q5BKE5	Q5BKE5_RAT	53558.86	8.94	RCG24401, isoform CRA_b	B4 (B1, B6, B7, B	1918.67	22	22	37.3	162	B4 (B1, B5)	697.46	22	22	37.1	64	B4 (B3, B2, B5)	542.88	21	20	34.3	62
28	Q07969	CD36_RAT	53267.51	8.79	Platelet glycoprotein 4	B4 (B3)	1834.47	22	22	40.5	107	B4 (B6, B3, B2)	741.35	20	20	39	70	B4 (B6)	511.86	20	19	36.2	32
29	Q63910	Q63910_RAT	15572.01	7.96	Alpha globin	B8 (B10, B1, B4,	237.49	8	8	63.4	111	B10 (B1, B4, B6,	269.51	8	8	63.4	124	B10 (B1, B4, B6,	461.31	12	11	92.3	215
30	D3ZC84	D3ZC84_RAT	292676.51	5.51	Ubiquitin carboxyl-terminal hydrolase	B1	203.34	12	12	5.1	13	B1	198.5	18	18	7.4	19	B1	1227.22	75	67	27	85
31	Q6TXE9	Q6TXE9_RAT	168557.58	7.44	LRRGT00050	B2 (B1)	279.11	16	16	14.3	30	B2 (B1, B3, B5)	656.4	36	36	29.7	70	B2 (B1, B4, B3, B	1557.74	70	65	51.2	157
32	Q5EBC3	Q5EBC3_RAT	101598.27	7.05	Methylenetetrahydrofolate dehydrogenase (N	B3 (B1, B2)	598.62	36	35	48	80	B3 (B1, B2)	669.52	42	37	50.6	88	B3 (B1, B4, B2)	1709.29	59	47	64.3	157
33	Q498D4	Q498D4_RAT	163473.77	5.9	Tln1 protein	B1 (B3, B2)	1269.37	48	44	41.9	63	B1 (B3, B2)	1707.64	63	55	44.7	111	B1 (B2)	1601.19	66	59	46.3	83
34	D4A8A0	D4A8A0_RAT	245824.78	6.09	Putative uncharacterized protein Cad	B1	1119.35	61	59	35.8	65	B1 (B2)	887.69	66	62	34.1	73	B1 (B2)	1098.26	69	66	33.8	80
35	D3ZP30	D3ZP30_RAT	582332.89	5.7	Putative uncharacterized protein ENSRNOP	B1	181.52	9	9	2.4	10	B1	91.89	8	8	1.5	8	B1 (B3, B2)	1016.55	67	67	13.9	90
36	P82995	HS90A_RAT	85160.93	4.93	Heat shock protein HSP 90-alpha	B4 (B1, B3, B2)	604.88	33	30	40	87	B4 (B1, B3, B2)	782.97	35	33	43.4	93	B4 (B1, B3, B2, B	1428.07	55	48	54.4	180
37	Q4FZT9	PSMD2_RAT	100921.97	5.08	26S proteasome non-ATPase regulatory sub	B3 (B4, B2)	612.99	28	27	37.4	35	B3 (B2)	520.76	26	26	34.4	31	B3 (B1, B4, B2)	1432.49	55	45	60	100
38	Q5U300	UBA1_RAT	118910.43	5.36	Ubiquitin-like modifier-activating enzyme 1	B3 (B1, B6, B2, B	844.57	31	28	35.5	94	B3 (B1, B2)	666.31	29	27	34.2	70	B3 (B1, B4, B2)	1570.79	53	44	55.7	159
39	P04797	G3P_RAT	36090.27	8.14	Glyceraldehyde-3-phosphate dehydrogenase	B7 (B1, B4, B6, B	885.48	24	14	49.8	136	B7 (B1, B4, B6, B	915.63	25	16	50.2	118	B7 (B1, B4, B6, B	1214.77	25	15	51.7	163
40	P50475	SYAC_RAT	107521.53	5.41	Alanyl-tRNA synthetase, cytoplasmic	B3 (B1)	448.78	22	20	27.4	32	B3 (B1, B2)	461.34	25	23	28.3	40	B3 (B1, B4, B2)	1557.14	54	43	58.4	111
41	Q68FQ0	TCPE_RAT	59954.95	5.51	T-complex protein 1 subunit epsilon	B5 (B1, B4, B6, B	842.72	40	33	70.4	79	B5 (B1, B4, B6, B	770.56	37	32	72.5	84	B5 (B1, B4, B6, B	1348.04	47	34	72.5	101
42	Q6P3V8	Q6P3V8_RAT	46352.64	5.32	Eukaryotic translation initiation factor 4A1	B6 (B1, B4, B7, B	1199.01	39	28	65.3	110	B6 (B1, B4, B7, B	1156.9	42	30	64.5	133	B6 (B1, B4, B7, B	1386.57	47	34	70.4	133
43	P30835	K6PL_RAT	86082.67	7.06	6-phosphofructokinase, liver type	B4 (B1, B3, B2)	559.33	27	26	39.1	51	B4 (B3, B2, B5)	599.6	31	28	35.9	49	B4 (B1, B3, B2, B	1632.25	51	43	58.5	122
44	Q2I6B2	Q2I6B2_RAT	96321.13	6.29	V-H+ATPase subunit a1-III	B3 (B1, B4, B6, B	1110.76	48	40	48.4	257	B4 (B1, B9, B3, B	835.22	40	34	38.7	181	B4 (B3, B2)	459.13	33	30	34.6	69
45	P18484	AP2A2_RAT	104891.43	6.51	AP-2 complex subunit alpha-2	B3 (B1, B2, B5)	778.85	36	33	45.5	64	B3 (B1, B8, B2)	901.33	40	36	48.3	69	B3 (B1, B4, B2, B	1215.44	47	41	53.8	106
46	Q64560	TPP2_RAT	139688.11	5.95	Tripeptidyl-peptidase 2	B2	66.35	10	10	8.2	11	B2	191.39	19	19	14.6	22	B2 (B1, B3)	856.08	51	50	48.3	75
47	P62630	EF1A1_RAT	50424.23	9.1	Elongation factor 1-alpha 1	B6 (B1, B4, B7, B	562.62	28	21	51.7	159	B6 (B1, B4, B7, B	531.8	25	20	53.9	183	B6 (B1, B4, B7, B	650.7	38	28	71.2	221
48	D3ZUK5	D3ZUK5_RAT	108942.96	5.56	Putative uncharacterized protein ENSRNOP	B3 (B4)	185.43	13	13	15.5	20	B3 (B4, B2)	280.31	19	18	19.8	28	B3 (B1, B4, B2)	954.67	48	43	50.4	101
49	P62944	AP2B1_RAT	105398.38	5.22	AP-2 complex subunit beta	B3 (B1, B4, B2, B	530.74	26	25	35.4	133	B3 (B1, B4, B6, B	700.82	36	32	43.6	166	B3 (B1, B4, B2, B	1040.39	51	43	57.4	176
50	O88761	PSMD1_RAT	106707.05	5.25	26S proteasome non-ATPase regulatory sub	B3	317.93	15	13	23.7	17	B3	167.14	14	14	17.6	14	B3 (B4, B2)	1369.36	42	30	49.7	124
51	D4A133	D4A133_RAT	68563.69	5.42	Putative uncharacterized protein Atp6v1a	B5 (B1, B4, B3, B	1085.42	48	39	67.9	87	B5 (B4, B3)	898.63	43	37	63.7	68	B5 (B6)	623.79	26	23	46.2	33
52	Q6P7S0	Q6P7S0_RAT	53472.59	7.96	Pyruvate kinase	B5 (B1, B4, B6, B	1356.46	41	31	69.8	239	B5 (B1, B4, B6, B	1113.67	33	27	62.4	124	B5	383.85	17	16	42.9	19
53	Q5XIM9	TCPB_RAT	57764.26	6.01	T-complex protein 1 subunit beta	B5 (B1, B4, B6, B	1065.8	35	30	65.6	155	B5 (B1, B4, B6, B	858.76	28	25	57.2	109	B5 (B1, B4, B6, B	1512.56	45	36	76.1	190
54	P28480	TCPA_RAT	60834.89	5.86	T-complex protein 1 subunit alpha	B5 (B1, B4, B3, B	1037.22	32	27	60.8	95	B5 (B1, B4, B3, B	836.91	33	29	69.1	81	B5 (B1, B4, B6, B	1677.18	43	37	81.8	133
55	Q5U2Q5	Q5U2Q5_RAT	91090.9	6.3	Ribonucleoside-diphosphate reductase	B4 (B1, B3, B2, B	590.28	24	24	37.9	57	B4 (B1, B3, B2)	570.69	22	22	33	54	B4 (B1, B6, B3, B	1176.27	44	35	57.2	132
56	P34058	HS90B_RAT	83571.25	4.97	Heat shock protein HSP 90-beta	B4 (B1, B6, B2)	425.62	23	22	32	50	B4 (B1, B2)	462.7	26	25	34.5	49	B4 (B6, B3, B2, B	1185.24	44	41	53.5	119
57	P11980	KPYM_RAT	58294.07	6.63	Pyruvate kinase isozymes M1/M2	B5 (B3)	1249.2	41	30	61.2	87	B5	1027.32	33	26	53.1	45						
58	P63259	ACTG_RAT	42107.92	5.31	Actin, cytoplasmic 2	B6 (B1, B4, B7, B	1059.68	34	25	74.7	289	B6 (B10, B1, B4,	1070.4	35	26	73.9	399	B6 (B1, B4, B7, B	1127.62	36	25	72.5	291
59	P39052	DYN2_RAT	98511.23	7.02	Dynamin-2	B3 (B1, B4, B2)	562.47	33	33	40.5	52	B3 (B1, B2, B5)	554.3	31	29	37.2	49	B3 (B1, B4, B2, B	1042.5	49	41	48.9	102
60	Q9JI30	Q9JI30_RAT	128061.73	6.21	Integrin beta 2 alpha subunit	B2	459.27	25	25	26.8	26	B2 (B1, B3)	1194.32	50	44	45.3	66	B2	582.72	30	29	28.5	34
61	P46462	TERA_RAT	89976.99	5.14	Transitional endoplasmic reticulum ATPase	B3 (B1, B4, B2)	489.31	22	22	36.6	32	B3 (B1, B4, B2)	639.69	27	24	35.7	47	B3 (B1, B4, B2)	987.75	46	39	62	81
62	Q68FR6	EF1G_RAT	50371.29	6.31	Elongation factor 1-gamma	B6 (B4, B7, B3, B	423.46	19	18	42.6	57	B6 (B1, B4, B7, B	373.84	18	18	35.2	77	B6 (B1, B4, B7, B	1076.54	31	27	67.7	167
63	P15178	SYDC_RAT	57546.33	6.02	Aspartyl-tRNA synthetase, cytoplasmic	B5 (B6)	359.49	16	16	37.7	29	B5 (B1, B6)	610.45	26	25	59.5	49	B5 (B1, B4, B6)	903.12	43	35	72.1	105
64	P52296	IMB1_RAT	98373.49	4.66	Importin subunit beta-1	B3 (B1, B4, B2)	365.32	14	12	17.8	37	B3 (B1, B4, B2)	469.87	16	15	23	46	B3 (B1, B4, B6, B	1197.94	36	28	39.1	136
65	P04762	CATA_RAT	60061.61	7.07	Catalase	B5 (B1, B4, B6, B	640.84	28	25	54.6	110	B5 (B1, B4, B6, B	873.7	33	28	63.8	145	B5 (B1, B4, B6, B	1118.54	39	33	67.6	236
66	D4ACB8	D4ACB8_RAT	60120.68	5.38	Chaperonin subunit 8 (Theta) (Predicted), is	B5 (B1, B4, B6, B	958.01	41	35	71.4	106	B5 (B1, B4, B6, B	921.06	35	30	65.5	91	B5 (B1, B4, B6, B	1224.31	45	35	75.7	119
67	D4A6X1	D4A6X1_RAT	233191.73	5.49	Putative uncharacterized protein Dysf	B1	463.24	29	29	18.5	30	B1 (B2)	601.49	47	47	27.6	54	B1	271.1	24	24	12.6	25
68	P10719	ATPB_RAT	56318.48	5.19	ATP synthase subunit beta, mitochondrial	B6 (B4, B3, B2, B	706.8	25	19	46.7	48	B6 (B1, B4, B7, B	892.63	27	20	49.9	81	B6 (B1, B4, B7, B	1147.72	34	25	69.2	75
69	D4AC23	D4AC23_RAT	60133.36	8.21	Putative uncharacterized protein Cct7	B5 (B1, B4, B6, B	827.5	38	32	64.5	76	B5 (B1, B4, B3, B	740.23	34	29	59.4	58	B5 (B1, B4, B6, B	1172.05	40	33	73.2	94
70	D3ZPH5	D3ZPH5_RAT	129658.58	6.92	Putative uncharacterized protein Atp2b4	B1 (B3, B2)	508.02	27	27	29.2	144	B3 (B1, B4, B7, B	609.71	34	33	28.2	136	B2 (B1, B7, B3)	257.63	9	9	9.5	46
71	Q5M7T6	Q5M7T6_RAT	40731.38	4.89	ATPase, H+ transporting, lysosomal 38kDa,	B7 (B1, B4, B6, B	495.56	18	16	55.8	151	B7 (B1, B4, B6, B	695.08	18	17	52.7	64	B7 (B8)	422.93	14	14	46.2	19
72	P06685	AT1A1_RAT	114293.36	5.3	Sodium/potassium-transporting ATPase sub	B3 (B1, B4, B2)	1106.72	45	40	43.1	146	B3 (B1, B4, B2)	903.65	40	36	37.4	120	B3 (B1, B4, B2)	749.41	28	28	31	59
73	D3ZAC0	D3ZAC0_RAT	114075.02	5.65	Putative uncharacterized protein Itga2b	B3 (B1, B2)	437.7	23	23	26.2	37	B3 (B1, B4, B7, B	1105.01	39	36	40.1	89	B3 (B7)	657.31	25	25	30.3	33
74	O88752	O88752_RAT	16151.49	7.9	Epsilon 1 globin	B10 (B6, B7, B9,	860.49	3	3	18.4	246	B10 (B6, B7, B9,	856.12	4	4	27.2	291	B10 (B1, B4, B7,	989.1	3	3	18.4	336
75	Q6P502	TCPG_RAT	61178.57	6.23	T-complex protein 1 subunit gamma	B5 (B1, B4, B6, B	670.07	28	26	53.8	97	B5 (B1, B4, B3, B	598.38	28	26	52.1	99	B5 (B1, B4, B6, B	948.91	41	37	62.9	152
76	D3ZHY1	D3ZHY1_RAT	84248.22	6.61	Putative uncharacterized protein Tars	B4 (B3)	275.11	16	16	23	21	B4 (B3, B2)	384.88	20	20	29.5	33	B4 (B1, B3, B2)	915.28	39	34	50	88
77	Q794F9	4F2_RAT	58150.15	5.19	4F2 cell-surface antigen heavy chain	B4 (B1, B6, B3, B	990.27	28	25	52.8	150	B4 (B1, B6, B3, B	939.41	27	26	52.2	119	B4 (B1, B3, B2, B	700.79	25	25	49.1	78
78	Q5XI34	Q5XI34_RAT	66079.23	5	Protein phosphatase 2 (Formerly 2A), regula	B5 (B1, B4, B6, B	404.16	20	19	40.6	46	B5	205.44	15	14	28.9	16	B5 (B1, B4, B6, B	943.7	36	30	61	107
79	Q8R491	EHD3_RAT	60809.76	6.04	EH domain-containing protein 3	B5 (B1, B4, B6, B	661.1	32	27	56.9	145	B5 (B1, B4, B6, B	714.04	31	26	56.7	155	B5 (B4, B6, B7)	795.11	40	34	78.5	130

80	D4AEE1	D4AEE1_RAT	266240.33	5.54	Fibronectin 1, isoform CRA_c	B1	826.23	43	43	25.1	48	B1	158.15	12	12	5.7	13	B1	325.34	20	20	9.1	21
81	Q63569	PRS6A_RAT	49414.52	5.13	26S protease regulatory subunit 6A	B6 (B7, B3, B5)	290.68	13	12	33.9	26	B6 (B4, B7, B3, B	451.14	18	14	33.5	37	B6 (B1, B4, B7, B	997.46	35	25	62.9	73
82	O35567	PUR9_RAT	64681.37	6.69	Bifunctional purine biosynthesis protein PUR	B5	297	13	13	31.4	14	B5	271.64	12	12	28.7	12	B5 (B4, B6, B3, B	1059.62	35	30	68.2	75
84	P62828	RAN_RAT	24578.68	7.01	GTP-binding nuclear protein Ran	B8 (B1, B4, B6, B	331.07	12	12	48.6	61	B8 (B1, B4, B6, B	273.8	10	10	44	51	B8 (B1, B4, B6, B	520.87	18	18	51.9	109
85	B2RYB8	B2RYB8_RAT	87955.34	7.24	Integrin beta	B3	495.15	30	30	47.5	32	B3	866.28	40	37	54.7	47	B3	549.28	25	23	36.8	26
86	Q5XI77	Q5XI77_RAT	54467.97	7.53	Annexin A11	B5 (B4, B6, B7, B	889.09	31	25	42.3	133	B5 (B4, B6, B7, B	801.6	25	22	40.2	84	B5 (B6)	251.54	10	10	21.5	18
87	P14480	FIBB_RAT	54827.92	7.9	Fibrinogen beta chain	B5 (B6)	809.26	39	35	68.9	72	B5 (B6)	423.38	22	22	51.1	31						
88	Q6P9T8	TBB2C_RAT	50225.16	4.79	Tubulin beta-2C chain	B6 (B1, B7, B9, B	875.47	27	20	60.7	209	B6 (B1, B4, B7, B	774.49	28	18	49.4	191	B6 (B1, B4, B7, B	1063.36	32	22	67.2	135
89	D3Z9M4	D3Z9M4_RAT	208679.88	6.03	Putative uncharacterized protein Ank1	B1 (B4, B3, B2, B	159.56	9	9	5.3	30	B1 (B4, B6, B3, B	486.82	28	28	19.1	86	B1 (B4, B6, B7, B	739.83	41	40	28	191
90	D4A781	D4A781_RAT	125108.46	4.84	Putative uncharacterized protein Ipo5	B3 (B1, B2)	106.8	5	5	7.3	12	B3 (B1, B2)	168	9	8	9.2	26	B3 (B1, B4, B2, B	981.51	37	33	37.3	105
91	Q9QZA2	PDC6I_RAT	97140.71	6.15	Programmed cell death 6-interacting protein	B3 (B1, B4, B7, B	897.28	33	31	46.3	105	B3 (B1, B4, B7, B	876.06	36	34	47.4	112	B3 (B1, B4, B2)	905.01	37	35	51.8	76
92	D3ZXK7	RN123_RAT	150408.08	6.45	E3 ubiquitin-protein ligase RNF123	B2	79.56	6	6	6.9	6	B2	192.26	11	11	9.9	12	B2 (B1, B4)	709.14	40	38	35.2	69
93	P62198	PRS8_RAT	45768.12	7.11	26S protease regulatory subunit 8	B6 (B2)	409.38	20	19	49.3	22	B6 (B7, B3)	359.83	18	17	47	22	B6 (B7, B3, B8, B	1037.77	37	30	73.2	61
94	P06761	GRP78_RAT	72473.49	5.07	78 kDa glucose-regulated protein	B5 (B4, B2)	646.5	23	23	38.7	52	B5 (B4, B2)	1018.66	36	31	48.3	83	B5 (B4)	515.97	20	20	31.7	31
95	Q63570	PRS6B_RAT	47492.63	5.09	26S protease regulatory subunit 6B	B6 (B3)	226.56	15	15	38.5	20	B6 (B1, B7, B3, B	235.93	15	15	36.1	26	B6 (B1, B4, B7, B	870.9	31	28	67.7	55
96	B0BMW0	B0BMW0_RAT	24110.01	5.85	RAB14, member RAS oncogene family	B9 (B1, B4, B6, B	844.36	22	17	84.7	110	B9 (B1, B6, B7, B	920.52	20	18	82.8	86	B9 (B7, B8)	713.04	16	15	80.9	53
97	P63039	CH60_RAT	61088.45	5.91	60 kDa heat shock protein, mitochondrial	B5 (B1, B3, B2)	828.05	20	18	42.1	42	B5 (B1, B4, B3, B	1176.15	29	25	53.6	84	B5 (B1, B4, B6, B	1056.74	31	27	59.9	80
98	O70595	ABCB6_RAT	93815.84	8.54	ATP-binding cassette sub-family B member	B4 (B1, B6, B3, B	1085.2	35	30	42.8	177	B4 (B1, B3, B2, B	856.34	27	26	38.3	119	B4 (B1, B3, B2, B	471.68	18	18	27.5	35
99	Q5XI04	Q5XI04_RAT	31529.57	6.54	Stomatin	B8 (B1, B4, B6, B	558.99	17	13	54.2	142	B8 (B1, B4, B6, B	588.94	18	14	62.3	166	B8 (B4, B6, B7, B	825.3	21	15	63	128
100	P05370	G6PD_RAT	59794.01	5.97	Glucose-6-phosphate 1-dehydrogenase	B5 (B1, B4, B6, B	471.75	35	33	64.7	138	B5 (B6, B3)	299.12	27	27	53.8	65	B5 (B4, B6, B3, B	662.47	36	32	63.9	111
101	Q8R2H2	Q8R2H2_RAT	90065.88	5.25	Integrin beta	B3	491.36	26	25	39.5	30	B3 (B1, B4, B2)	881.99	36	32	52.6	67	B3	540.19	25	24	37.2	28
102	C0JPT7	C0JPT7_RAT	283056.6	5.68	Filamin alpha	B1 (B3, B8, B2)	242.16	19	19	9.9	50	B1 (B10, B4, B6,	475.28	38	38	18.9	136	B1 (B3, B2)	254.12	20	20	9.7	45
103	Q5RKL5	STEA3_RAT	55095.01	9.33	Metalloreductase STEAP3	B6 (B1, B4, B7, B	895.82	28	23	48	249	B5 (B1, B4, B6, B	661.17	21	17	41.4	158	B6 (B1, B3, B2, B	230.89	12	12	27	37
104	P15865	H12_RAT	21974.04	11.1	Histone H1.2	B7 (B4, B6, B9, B	277.19	10	9	30.1	83	B7 (B10, B4, B6,	195.4	10	9	32	50	B7 (B1, B9, B8, B	148.91	7	7	26.9	25
105	Q80U96	XPO1_RAT	124099.45	5.72	Exportin-1	B3 (B1, B2)	205.38	11	10	12.6	18	B3 (B1, B2)	248.26	12	10	10.6	21	B3 (B1, B2)	646.02	37	30	34.3	62
106	Q66H61	Q66H61_RAT	88557.14	6.93	Glutaminyl-tRNA synthetase	B4 (B3, B5)	233.67	15	15	22.1	27	B4 (B1, B3, B5)	408.49	21	20	31.4	43	B4 (B1, B3, B2)	814.33	34	31	46.8	70
107	B0BN55	B0BN55_RAT	40841.96	6.1	Uroporphyrinogen decarboxylase	B7 (B6, B3, B8, B	614.88	20	15	55	43	B7 (B6, B3, B5)	846.04	26	18	66.8	45	B7 (B1, B4, B6, B	814.08	23	17	58.3	95
108	Q5PPJ6	Q5PPJ6_RAT	135503.65	6.95	Leucyl-tRNA synthetase	B2 (B1, B3)	119.08	9	9	10.6	20	B2 (B1, B3)	236.39	13	12	12.3	34	B2 (B1, B3)	674.09	39	37	36.1	92
109	D3ZD23	D3ZD23_RAT	68226.37	8.63	ATP-binding cassette, sub-family E (OABP),	B5 (B1, B4, B3)	299.91	22	21	37.2	38	B5 (B4)	440.61	22	21	37.7	29	B5 (B1, B4, B6, B	740.06	33	31	56.6	83
110	D4AB17	D4AB17_RAT	138461.36	5.45	Putative uncharacterized protein Pfas	B2	30.91	3	3	3	3	B2	36.15	8	8	5.6	8	B2	579.81	35	32	31.7	41
111	P62815	VATB2_RAT	56856.98	5.57	V-type proton ATPase subunit B, brain isofo	B5 (B4, B6, B3, B	945.48	30	25	65.9	67	B5 (B6)	815.77	26	23	56.6	51	B5 (B6)	530.75	20	19	52.8	36
112	B5DFC8	EIF3C_RAT	106052.9	5.55	Eukaryotic translation initiation factor 3 subu	B3 (B1, B4, B2)	116.74	7	7	7.2	16	B3 (B1, B4, B2, B	130.77	7	7	7.2	28	B3 (B1, B4, B2, B	578.86	35	31	34.4	108
113	Q7TPB1	TCPD_RAT	58575.96	8.24	T-complex protein 1 subunit delta	B5 (B1, B4, B6, B	543.19	25	22	48.6	84	B5 (B1, B6, B7, B	378.22	25	22	47.9	68	B5 (B1, B4, B6, B	689.82	33	28	62	98
114	D3ZMB9	D3ZMB9_RAT	106468.26	7.75	Putative uncharacterized protein Ap2a1	B3	314.76	17	17	24.3	18	B3	474.43	23	22	28.7	25	B3	637.18	35	32	43.1	40
115	P12928	KPYR_RAT	62503.65	6.45	Pyruvate kinase isozymes R/L	B5	115.57	9	8	17.2	9	B5	426.68	22	22	51.6	23	B5 (B4, B6)	784.26	32	32	64.1	58
116	Q95571	Q95571_RAT	39050.27	5.13	RT1.A(U) alpha chain (Fragment)	B6 (B1, B4, B7, B	589.13	20	20	50.3	130	B6 (B4, B7, B5)	421.08	20	20	43.8	60	B6 (B7)	298.09	19	19	45.8	31
117	D4A1Q9	D4A1Q9_RAT	74535.02	5.39	Putative uncharacterized protein Ttll12	B5 (B4, B2)	193.5	10	10	20.5	19	B5 (B4)	195.66	9	8	18.2	17	B4 (B1, B3, B5)	620.23	30	29	58.2	91
118	Q3MHS9	Q3MHS9_RAT	58436.84	6.63	Chaperonin containing Tcp1, subunit 6A (Ze	B5 (B1, B4, B6, B	439.47	25	24	49.9	78	B5 (B1, B4, B7, B	423.69	22	22	46.7	58	B5 (B1, B4, B6, B	617.36	28	26	58.4	105
119	Q63347	PRS7_RAT	48943.22	5.59	26S protease regulatory subunit 7	B6	389.84	19	19	46.2	20	B6 (B3)	270.36	14	14	36	15	B6 (B7, B3, B5)	714.59	34	29	72.3	53
120	P35280	RAB8A_RAT	23824.25	9.15	Ras-related protein Rab-8A	B9 (B7, B8)	469.67	19	17	66.2	66	B9 (B6, B7, B8)	625.13	17	15	59.9	57	B9 (B7, B8)	375.48	17	16	63.8	52
121	P40329	SYRC_RAT	76503.32	6.64	Arginyl-tRNA synthetase, cytoplasmic	B5	173.73	16	15	24.5	17	B5 (B4, B3)	401.82	24	22	38.6	32	B5 (B1, B4, B3, B	542.98	34	32	54.2	71
122	Q9R085	Q9R085_RAT	110439.65	4.99	Ubiquitin carboxyl-terminal hydrolase							B3	75.7	2	2	2.3	2	B3 (B1, B4, B7, B	775.92	34	29	33.6	59
123	Q9JJT1	Q9JJT1_RAT	54005.98	5.94	Glucocorticoid-attenuated response gene 16	B6 (B4, B3, B5)	333.01	12	12	27.6	23	B5 (B1, B4, B6, B	218.98	7	7	15.6	35	B6 (B1, B4, B7, B	854.63	28	26	60.7	81
124	Q32PW9	Q32PW9_RAT	43545.79	7.23	Psmc6 protein (Fragment)	B6 (B7, B3)	232.21	13	13	37	15	B6 (B1, B7, B2)	224.81	15	15	35.7	18	B6 (B7, B9, B3, B	570.85	30	24	68.5	57
125	Q31257	Q31257_RAT	39506.51	5.64	RT1.A1(F) protein (Fragment)	B6 (B1, B4, B7, B	644.7	18	18	50.7	175	B6 (B1, B4, B7, B	549.61	23	21	50.7	102	B6 (B7, B5)	467.19	22	20	50.7	51
126	Q641X8	EIF3E_RAT	52586.54	5.71	Eukaryotic translation initiation factor 3 subu	B6	432.55	21	18	42.9	21	B6	283.17	20	18	37.5	20	B6 (B7, B5)	1049.85	33	25	60	54
127	P16617	PGK1_RAT	44909.14	8.02	Phosphoglycerate kinase 1	B6 (B2, B5)	587.51	31	28	76.3	59	B6 (B5)	620.6	26	23	63.3	38	B6 (B7, B5)	672.66	27	25	69.3	40
128	Q6PCT9	Q6PCT9_RAT	45854.31	5.39	Proteasome (Prosome, macropain) 26S sub	B6 (B7)	230.95	14	14	33.7	19	B6 (B7)	213.06	15	15	36.8	23	B6 (B7)	603.78	30	30	64.5	56
129	Q5U2S7	Q5U2S7_RAT	60764.38	8.48	Proteasome (Prosome, macropain) 26S sub	B5	222.08	8	8	18.7	10	B5 (B6, B3)	302.57	11	11	23.6	18	B5 (B6, B3)	557.82	30	28	54.2	54
130	P13676	ACPH_RAT	82414.82	5.46	Acylamino-acid-releasing enzyme	B4	98	2	2	4	3	B4 (B3)	249.47	14	14	25.3	18	B4 (B3, B5)	827.19	32	29	56.1	45
131	D4A856	D4A856_RAT	81744.06	9.61	Putative uncharacterized protein Mpo	B5 (B4, B6, B7, B	477.32	24	22	34.1	85	B5 (B1, B4, B6, B	643.13	31	28	42.2	148	B5 (B6)	392.9	20	18	28	31
132	B0BMV5	B0BMV5_RAT	23759.13	9.15	RAB8B, member RAS oncogene family	B9 (B10, B8)	476.77	17	15	63.8	54	B9 (B8)	574.78	16	14	59.9	37	B9 (B8)	329.01	16	15	63.8	42
133	D3ZBM3	D3ZBM3_RAT	48091.54	8.96	Ferrochelatase	B6 (B1, B7, B3, B	350.03	23	21	56.6	65	B6 (B1, B4, B7, B	427.76	24	21	57.8	126	B6 (B1, B4, B7, B	558.17	27	24	65.2	109
134	D3Z941	D3Z941_RAT	102771.7	6.07	Putative uncharacterized protein Mars	B3	275.14	10	10	14.3	11	B3 (B1, B2)	430.67	20	20	27.5	23	B3 (B1, B2)	723.09	32	31	41.8	43
135	Q8CG45	ARK72_RAT	41105.46	8.35	Aflatoxin B1 aldehyde reductase member 2	B7	324.49	16	13	37.3	18	B7 (B3)	211.41	12	11	29.7	15	B7 (B1, B6, B9, B	525.39	23	17	45	52
136	P49088	ASNS_RAT	64775.7	6.01	Asparagine synthetase [glutamine-hydrolyzir	B5 (B1, B4, B6, B	256.2	21	19	39.9	36	B5 (B1, B4, B3, B	206.47	18	17	34.9	31	B5 (B4, B6, B3, B	601.25	28	25	54	51
137	P85972	VINC_RAT	117112.49	5.83	Vinculin	B3 (B2)	222.42	13	13	13.8	22	B3	579.02	33	33	33.1	36	B3	84.36	3	3	4.2	5
138	O08700	VPS45_RAT	65251.94	8.42	Vacuolar protein sorting-associated protein 4	B5 (B1, B4, B6, B	583.71	31	29	49.1	73	B5 (B1, B4, B6, B	214.47	21	19	31.2	32	B5	67.56	3	3	6.5	4
139	Q6NYB7	RAB1A_RAT	22891.47	5.93	Ras-related protein Rab-1A	B9 (B8)	617.98	15	12	59.5	50	B9	789.09	17	14	72.2	34	B9	553.72	16	14	70.7	30
140	P10536	RAB1B_RAT	22320.25	5.55	Ras-related protein Rab-1B	B9	546.83	15	11	64.2	36	B9 (B10, B8)	821.59	16	12	73.6	45	B9	509.26	15	11	64.2	30
141	Q6TUD1	Q6TUD1_RAT	57974.73	5.92	LRRGT00113	B5 (B3)	263.1	13	11	26.6	18	B5 (B1, B3)	352.46	17	14	31.3	22	B5 (B1, B4, B6, B	592.09	29	24	49.4	72
142	P07150	ANXA1_RAT	39147.05	6.97	Annexin A1	B7 (B1, B4, B6, B	380.91	24	23	61.6	63	B7 (B1, B4, B6, B	622.97	26	24	65.3	75	B7 (B4, B6, B3, B	231.89	10	10	30.3	25
143	P04764	ENOA_RAT	47440.37	6.16	Alpha-enolase	B6 (B1, B4, B7, B	986.76	25	20	61.1	102	B6 (B1, B4, B7, B	734.97	21	18	51.4	55	B6 (B4, B7, B3, B	954.85	26	23	69.8	69
144	Q91ZN1	COR1A_RAT	51717.22	6.05	Coronin-1A	B6 (B1, B4, B7, B	386.64	24	23	48.4	164	B6 (B1, B4, B7, B	309.63	21	21	39.5	102	B6	145.66	11	11	29.5	11
145	P02680	FIBG_RAT	51227.71	5.62	Fibrinogen gamma chain	B3 (B4, B6, B2, B	499.03	26	23	48.5	81	B3 (B4, B6, B2)	167.19	11	10	26.3	25						
146	B5DF57	B5DF57_RAT	77422.3	6.83	Erythrocyte protein band 4.2 (Predicted)	B5 (B4)	100.06	7	7	14.9	16	B4 (B1, B3, B2, B	447.06	21	20	34.5	65	B4 (B1, B3, B8, B	613.82	30	28	56.3	95
147	Q9WVJ6	Q9WVJ6_RAT	78026.55	4.97	Tissue-type transglutaminase	B4	146.76	6	6	11.1	7	B4	160.88	8	8	14.3	8	B4 (B1, B3)	777.58	29	27	45.2	50
148	P62193	PRS4_RAT	49324.76	5.87	26S protease regulatory subunit 4	B5 (B2)	193.78	8	8	24.5	9	B5	223.82	15	15	40.9	15	B5 (B6, B7, B3, B	446.87	28	24	57.7	61
149	B5DEP6	B5DEP6_RAT	48280.37	6.1	Putative uncharacterized protein (Fragment)	B6	237	14	14	38.2	15	B6	219.25	13	13	30.4	14	B6 (B7, B3)	509.78	25	25	58.1	45
150	Q5I0G4	SYG_RAT	72668.6	5.76	Glycyl-tRNA synthetase (Fragment)	B4	210.78	11	11	23.9	14	B4	238.86	11	11	20.7	13	B4 (B5)	577.05	29	28	48.7	35
151	Q5RKI1	IF4A2_RAT	46600.86	5.33	Eukaryotic initiation factor 4A-II													B6	545.9	29	25	46.9	34
152	Q6P9V9	TBA1B_RAT	50803.86	4.94	Tubulin alpha-1B chain	B6 (B10, B1, B4,	604.98	21	19	52.7	237	B6 (B10, B1, B4,	491.05	19	17	47.3	238	B6 (B1, B4, B7, B	576.19	24	20	53.6	193
153	O88600	HSP74_RAT	94795.44	5.13	Heat shock 70 kDa protein 4	B3 (B4)	202.44	10	10	13.8	12	B3 (B2)	189.61	11	11	14.5	14	B3 (B1, B2)	607.8	29	27	37.5	39
154	Q3B7D0	HEM6_RAT	49816.78	8.8	Coproporphyrinogen-III oxidase, mitochondri	B7 (B1, B4, B6, B	604.57	22	19	45.6	89	B7 (B1, B4, B6, B	674.79	26	23	51.9	80	B7 (B1, B4, B6, B	749.29	27	22	54.4	70
155	P84092	AP2M1_RAT	49965.15	9.57	AP-2 complex subunit mu	B6 (B5)	211.02	23	21	47.6	35	B6 (B5)	299.2	22	18	42.5	35	B6 (B5)	401.74	27	21	51	46
156	D3ZSY4	D3ZSY4_RAT	82141.84	10.16	Eosinophil peroxidase (Predicted)	B6 (B10, B9, B5)	358.83	25	24	32.4	42	B6 (B10, B9, B5)	448.11	30	29	39.6	56	B6	210.63	16	16	23.6	16
157	P21531	RL3_RAT	46391.91	10.22	60S ribosomal protein L3	B6 (B4, B7, B3, B	368.79	25	22	52.1	113	B5 (B10, B1, B4,	254.81	18	15	37.2	156	B6 (B9)	148.43	13	12	34.2	18
158	Q9JLT0	MYH10_RAT	229793.37	5.49	Myosin-10	B1 (B4, B3)	252.96	21	20	9.7	60	B3 (B1, B4, B5)	280.46	15	13	6.4	69						
159	Q5RKJ9	Q5RKJ9_RAT	22754.67	8.59	RAB10, member RAS oncogene family	B9 (B1, B4, B6, B	391.33	16	15	62.5	82	B9 (B1, B4, B6, B	537.58	16	16	67.5	69	B9 (B1, B4, B6, B	328.62	16	15	58	61
160	P27139	CAH2_RAT	29266.66	6.89	Carbonic anhydrase 2	B8 (B1, B4, B6, B	321.67	12	11	46.5	61	B8 (B1, B4, B6, B	353.57	14	12	52.3	74	B8 (B1, B4, B6, B	629.22	19	16	73.5	75
161	P15999	ATPA_RAT	59830.66	9.22	ATP synthase subunit alpha, mitochondrial	B6 (B2, B5)	394.22	22	22	44.3	38	B6 (B7, B3, B2, B	614.69	26	24	49.4	64	B6 (B3, B2, B5)	876.32	28	24	48.1	51

162	Q66HD0	ENPL_RAT	92998.47	4.72	Endoplasmin	B3	208.47	14	14	16.7	14	B3 (B4)	563.91	28	28	34.6	39	B3 (B4)	290.71	17	17	22.5	21
163	P81795	IF2G_RAT	51617.42	8.66	Eukaryotic translation initiation factor 2 subu	B6	173.62	11	11	30.7	13	B6 (B5)	233.64	15	15	39.8	24	B6 (B5)	570.07	23	22	51.3	40
164	P54921	SNAA_RAT	33627.42	5.3	Alpha-soluble NSF attachment protein	B7 (B1, B4, B6, B	755.7	27	23	82.7	67	B7 (B1, B3, B8, B	782.6	23	19	80.3	42	B7 (B6, B8)	532.6	17	15	59.7	27
165	Q498D2	Q498D2_RAT	45281.13	9.09	Eukaryotic translation initiation factor 3, subu	B5 (B4)	521.94	22	22	56.8	25	B5 (B4, B3)	488.27	22	21	52.4	29	B5 (B1, B4, B6, B	659.8	24	22	58.9	60
166	D3ZAZ0	D3ZAZ0_RAT	42946.03	5.5	Putative uncharacterized protein RGD15658	B7 (B6)	246.55	11	11	26.5	16	B7	236.69	12	11	33.4	15	B7 (B1, B6, B8)	552.34	21	18	44.9	47
167	A0JPJ7	OLA1_RAT	44792.28	7.62	Obg-like ATPase 1	B6 (B4, B7, B3, B	149.23	9	9	24.2	15	B6 (B1, B4, B7, B	123.35	10	10	26.5	20	B6 (B4, B7, B3, B	550.28	23	21	58.6	48
168	Q9JKB7	Q9JKB7_RAT	51438.88	5.48	Guanine deaminase	B6 (B5)	407.31	14	14	44.5	20	B6 (B5)	442.87	18	17	48	26	B6 (B5)	721.44	24	24	71.1	35
169	P09527	RAB7A_RAT	23773.96	6.4	Ras-related protein Rab-7a	B9 (B1, B4, B6, B	522	21	18	81.6	84	B9 (B1, B4, B6, B	643.81	23	20	83.1	76	B9 (B6, B7, B8)	398.62	23	20	84.5	49
170	D3ZGP4	D3ZGP4_RAT	23644.93	5.42	Putative uncharacterized protein Rab6a	B9 (B8)	402.32	17	14	63.5	40	B9 (B8)	555.04	19	14	63.5	35	B9	408.79	16	12	60.1	22
171	D3ZUE2	D3ZUE2_RAT	101517.72	5.58	Putative uncharacterized protein Coro7	B3 (B1, B2)	494.49	26	26	40.8	41	B3	191	12	12	19.8	13						
172	P29975	AQP1_RAT	29066.37	7.7	Aquaporin-1	B9 (B10, B1, B4,	400.84	5	5	18.6	62	B9 (B1, B4, B6, B	306.69	6	6	21.2	54	B9 (B1, B4, B6, B	272.73	6	6	21.2	34
173	D3ZVQ0	D3ZVQ0_RAT	96630.63	4.89	Ubiquitin carboxyl-terminal hydrolase							B3	109.82	7	7	11.9	7	B3 (B4, B2)	506.44	27	27	36.9	42
174	D3ZMI6	D3ZMI6_RAT	58262.45	5.6	Olfactomedin 4 (Predicted)	B3 (B1, B4, B2, B	771.69	22	20	43.1	102	B3 (B1, B4, B2, B	421.77	18	17	33.5	68	B4 (B3, B2)	168.35	11	10	19.4	27
175	Q52KS1	Q52KS1_RAT	86143.88	8.07	6-phosphofructo-1-kinase, M-type													B4	653.92	27	25	36.2	30
176	Q6AYZ1	TBA1C_RAT	50589.74	4.96	Tubulin alpha-1C chain	B6 (B8)	553	21	20	54.8	35	B6	348.84	16	15	37.4	22	B6 (B5)	525.72	23	20	50.3	50
177	P11598	PDIA3_RAT	57043.87	5.88	Protein disulfide-isomerase A3	B5	213.98	17	17	37	17	B5 (B6, B3, B2)	440.83	27	25	51.5	45	B5	273.94	19	19	40.4	20
178	Q9QYP8	Q9QYP8_RAT	39573.54	5.44	A1b (Fragment)	B6 (B10, B7, B9,	538.18	13	13	34.4	70	B7 (B10)	259.39	11	11	26.9	17	B6	321.22	13	13	33.5	17
179	P09895	RL5_RAT	34664.8	9.75	60S ribosomal protein L5	B7 (B1, B4, B6, B	499.92	24	20	53.5	98	B7 (B4, B6, B9, B	331.27	17	14	37.7	72	B7 (B8)	213.51	12	12	36.4	19
180	Q499N7	Q499N7_RAT	68135.35	7.64	Ptpn6 protein	B5 (B1, B4, B3, B	524.42	27	26	50.8	55	B5	258.19	12	12	25.1	12						
181	P97536	CAND1_RAT	137985.29	5.52	Cullin-associated NEDD8-dissociated protei	B2 (B3)	97.47	2	2	2.1	7	B3 (B1, B2)	125.38	5	5	5.7	14	B2 (B1, B3)	502.14	25	25	26.5	69
182	Q09073	ADT2_RAT	33108.23	9.74	ADP/ATP translocase 2	B7 (B8, B2, B5)	185.42	15	13	42.6	38	B7 (B1, B4, B6, B	556.61	24	21	59.1	72	B7 (B1, B6, B8, B	184.38	15	15	48.7	40
183	Q6P6G4	Q6P6G4_RAT	30228.79	6.81	Phosphoglycerate mutase	B8 (B9)	287.4	10	9	40.3	21	B8 (B7, B9, B2)	351.18	11	10	44.6	32	B8 (B4, B6, B7, B	444.15	16	15	53.9	73
184	D3Z8C3	D3Z8C3_RAT	147321.53	6.89	Putative uncharacterized protein Cyfip2	B2 (B1, B3)	523	26	26	24.1	50	B2 (B1, B3)	380.91	13	13	12.1	24	B2	52.13	3	3	3.6	3
185	Q6AYD3	Q6AYD3_RAT	43971.29	6.41	Proliferation-associated 2G4	B6	193.01	8	8	22.1	8	B6	248.64	11	11	29.9	13	B6 (B7, B5)	619.9	25	20	58.9	42
186	Q9Z1E1	FLOT1_RAT	47754.67	6.71	Flotillin-1	B6	662.6	21	19	48.8	24	B6	655.35	22	18	48.6	25	B6	709.25	26	24	65.4	29
187	Q6P3V9	Q6P3V9_RAT	47556.24	11.02	Ribosomal protein L4	B6 (B1, B4, B7, B	371.57	25	21	49.9	105	B6 (B1, B4, B7, B	203.12	21	20	47	110	B7 (B6)	63.23	5	5	13.8	10
188	B0K031	B0K031_RAT	30351.05	10.87	RCG30479, isoform CRA_b	B7 (B6, B9, B3, B	301.2	27	26	66.5	85	B7 (B10, B6, B9,	262.64	23	21	55	67	B7 (B9, B8)	69.17	8	8	26.9	17
189	D4AE96	D4AE96_RAT	120723.33	4.69	Importin 7 (Predicted), isoform CRA_c	B3 (B1, B2)	107.45	5	5	6	12	B3 (B1, B2)	161.74	7	7	8	21	B3 (B1, B2)	520.76	23	21	26.3	65
190	Q9JJ50	HGS_RAT	86818.85	5.91	Hepatocyte growth factor-regulated tyrosine	B3	39.3	3	3	3.7	4	B3 (B1, B2)	203.06	14	14	17.5	30	B3 (B1, B7, B2)	450.84	22	21	29	51
191	P24155	THOP1_RAT	79190.74	5.64	Thimet oligopeptidase	B4	79.75	7	7	11.2	7	B4 (B3)	121.09	9	9	13.4	10	B4 (B3)	409.06	28	28	43.4	31
192	P50399	GDIB_RAT	51017.88	5.93	Rab GDP dissociation inhibitor beta	B6 (B7, B2, B5)	334.25	13	12	29.4	21	B6 (B7, B5)	361.73	17	16	37.3	25	B6 (B7, B3, B5)	543.49	23	21	58.4	38
193	Q4QQW0	Q4QQW0_RAT	65685.53	6.17	Igh-6 protein (Fragment)	B4 (B3, B2, B5)	436.16	21	20	35.9	52	B4	214.95	14	14	24.2	15	B4	39.83	3	3	6.2	3
194	P63004	LIS1_RAT	47210.34	6.97	Platelet-activating factor acetylhydrolase IB	B6	170.62	13	13	33.2	14	B6	199.4	9	9	24.6	10	B6	547.34	24	24	65.4	28
195	Q5M7U6	ARP2_RAT	44990.33	6.3	Actin-related protein 2	B6 (B7)	478.54	22	18	42.6	44	B6 (B7)	328.86	23	19	45.7	42	B6 (B7)	273.4	14	12	28.4	32
196	P68370	TBA1A_RAT	50787.87	4.94	Tubulin alpha-1A chain	B6	508.01	22	20	54.5	28	B6	360.78	18	16	42.6	25						
197	P97532	THTM_RAT	33204.55	5.88	3-mercaptopyruvate sulfurtransferase	B7 (B1, B4, B6, B	371.86	17	16	59.3	72	B7 (B1, B4, B6, B	400.68	18	17	59.3	67	B7 (B1, B4, B6, B	425.18	17	16	57.2	100
198	P85968	6PGD_RAT	53715.21	6.58	6-phosphogluconate dehydrogenase, decarb	B6 (B1, B4, B7, B	392.35	21	19	43.7	38	B6 (B7, B3, B5)	355.1	21	18	42.9	26	B6 (B4, B7, B2, B	454.58	25	23	48.2	33
199	Q66X93	SND1_RAT	102572.74	6.76	Staphylococcal nuclease domain-containing	B3	93.33	12	12	16.1	12	B3	69.48	9	9	12.2	9	B3	361.07	24	24	32.7	27
200	O35303	DNM1L_RAT	84369.32	6.64	Dynamin-1-like protein	B4 (B5)	229.72	7	7	13.1	9	B4	196.21	6	6	11.3	6	B4 (B3, B5)	734.99	25	22	38.8	33
201	Q9WTN5	TPC1_RAT	94800.01	8.71	Two pore calcium channel protein 1	B3 (B1, B4, B2, B	464.13	23	21	25.1	48	B3 (B1, B4, B2)	135.37	7	7	9.4	13	B3	37.41	2	2	3.3	2
202	P19468	GSH1_RAT	73371.32	5.41	Glutamate--cysteine ligase catalytic subunit													B5 (B4)	416.25	24	23	45.5	41
203	D3ZC63	D3ZC63_RAT	50880.19	6.86	Putative uncharacterized protein Cmpk2	B6	145.25	10	10	26.2	10	B6 (B7, B3)	117.97	10	10	25.7	12	B6 (B5)	478.09	20	20	61.7	32
204	P49242	RS3A_RAT	30153.82	9.75	40S ribosomal protein S3a	B7 (B4, B6, B9, B	420.77	19	16	55.3	70	B7 (B1, B4, B6, B	329.3	13	12	47.3	59	B7 (B6, B9, B8)	287.97	12	11	42.8	34
205	B0K021	B0K021_RAT	30148.09	10.61	RCG45476, isoform CRA_d	B7 (B6, B9, B8)	253.51	18	18	48.9	66	B9 (B10, B6, B7,	366.55	13	13	30.5	67	B9 (B7, B8)	215.84	11	11	34.2	30
206	P29314	RS9_RAT	22634.58	10.66	40S ribosomal protein S9	B9 (B6, B7, B8)	198.79	21	20	56.2	60	B9 (B10, B6, B7,	145.14	18	18	54.1	45	B9	86.19	14	14	43.8	16
207	Q5XIC6	Q5XIC6_RAT	53301.69	7.02	Proteasome (Prosome, macropain) 26S sub	B6 (B3, B2, B5)	179.59	6	6	14	14	B6 (B1, B3, B5)	126.74	9	9	17.8	15	B6 (B4, B7, B3, B	697.5	23	20	43.9	61
208	Q5U3Z7	Q5U3Z7_RAT	56242.83	8.46	Serine hydroxymethyltransferase	B6 (B3, B5)	254.49	12	10	25.4	28	B6 (B1, B5)	326.16	20	18	40.9	25	B6 (B1, B3, B5)	452.39	23	20	44.4	51
209	O55096	DPP3_RAT	83386.04	5.12	Dipeptidyl peptidase 3	B4	193.95	11	11	17.8	11	B4	284.79	18	18	24.3	19	B4	506.25	22	22	31.2	26
210	O35814	STIP1_RAT	63157.63	6.4	Stress-induced-phosphoprotein 1	B1 (B4, B3, B2, B	267.14	17	16	31.7	50	B5 (B1, B4, B3, B	331.43	24	22	38.7	50	B5	136.86	7	7	13.4	7
211	Q5FVI6	VATC1_RAT	44043.99	7.02	V-type proton ATPase subunit C 1	B6 (B7)	508.07	23	23	57.6	32	B7 (B6)	235.43	8	8	26.4	23	B6	168.15	4	4	14.1	5
212	B0BNA7	EIF3I_RAT	36836.74	5.38	Eukaryotic translation initiation factor 3 subu	B7 (B6)	260.89	14	13	46.8	16	B7	265.03	13	13	48	15	B7 (B6, B8)	467.46	20	16	65.2	30
213	B2RYN1	B2RYN1_RAT	34375.22	7.72	Fructosamine-3-kinase-related protein	B7	196.71	13	10	35.6	14	B7	207.65	11	10	32	12	B7	564.94	18	15	46	26
214	P51146	RAB4B_RAT	23899.06	5.8	Ras-related protein Rab-4B	B9 (B7)	359.4	11	10	57.7	29	B9 (B7)	375.76	12	11	57.7	24	B9	266.63	9	8	43.2	15
215	P09034	ASSY_RAT	46752.01	7.63	Argininosuccinate synthase	B6 (B5)	303.8	23	18	42.2	30	B6	101.68	14	13	24.3	14						
216	P68035	ACTC_RAT	42334.01	5.23	Actin, alpha cardiac muscle 1	B7 (B4)	262.21	19	15	35.5	40	B7	280.81	20	16	36.1	26						
217	P62703	RS4X_RAT	29807.14	10.16	40S ribosomal protein S4, X isoform	B8 (B1, B4, B6, B	286.7	20	20	59.7	82	B8 (B1, B4, B6, B	350.49	18	17	55.5	86	B8 (B1, B6, B7)	330.56	19	19	61.6	40
218	Q6AYK8	EIF3D_RAT	64575.64	5.79	Eukaryotic translation initiation factor 3 subu	B5 (B6)	154.08	5	5	14.4	9	B5 (B6)	177.14	7	7	13.3	11	B5 (B1, B4, B6, B	530.96	23	20	44.3	59
219	P04636	MDHM_RAT	36116.99	8.93	Malate dehydrogenase, mitochondrial	B7 (B8, B2)	384.8	17	17	63	24	B7 (B4, B6, B9, B	414.45	17	16	60.4	37	B7 (B1, B4, B6, B	571.8	20	17	61.8	39
220	Q3T1L0	A16A1_RAT	86159.01	5.77	Aldehyde dehydrogenase family 16 member	B4 (B3)	237.99	11	11	20.3	12	B4 (B3)	228.41	9	9	13.5	13	B4 (B3)	682.77	22	21	34.3	30
221	P49134	ITB1_RAT	91686.66	5.77	Integrin beta-1	B3 (B1, B2)	329.34	23	22	33	40	B3 (B2)	345.4	21	21	32.9	39	B3	107.52	13	13	19.9	13
222	Q8VHF5	CISY_RAT	52175.59	8.53	Citrate synthase, mitochondrial	B6 (B3, B5)	186.03	17	17	32.2	32	B6 (B7, B3, B2, B	282.37	21	19	35.6	49	B6 (B7, B3)	245.38	19	17	29.8	29
223	Q6AYR1	Q6AYR1_RAT	43126.01	4.94	Trk-fused gene	B5 (B4)	116.18	10	9	31.2	14	B5 (B8)	515.76	17	12	36.2	32	B5 (B8)	419.48	16	13	38.7	29
224	Q68FR9	EF1D_RAT	31424.91	4.94	Elongation factor 1-delta	B7	144.05	9	8	24.9	10	B7	242.09	12	10	38.1	13	B7 (B6, B8, B5)	539.35	20	18	61.2	45
225	Q63009	ANM1_RAT	41123.23	5.37	Protein arginine N-methyltransferase 1	B6	230.54	11	11	36.3	11	B6	238.33	7	7	28.3	8	B6 (B7)	533.46	18	18	57.2	41
226	P62909	RS3_RAT	26828.48	9.68	40S ribosomal protein S3	B7 (B6, B8)	296.05	24	20	82.3	39	B7 (B8)	206.76	18	17	74.5	27	B7 (B8)	184.73	17	17	62.1	21
227	Q5U316	RAB35_RAT	23295.87	8.52	Ras-related protein Rab-35	B9 (B8)	260.07	10	9	36.3	31	B9 (B8)	304.27	9	8	43.3	24	B9	161.45	7	7	30.3	14
228	Q5BK33	Q5BK33_RAT	51343.02	5.95	p55 protein	B6 (B1, B4, B7, B	447.91	12	12	38.5	53	B6 (B1, B4, B7, B	371.08	15	15	41.8	54	B6 (B1, B4, B7, B	560.58	20	20	57	73
229	P35525	CLCN2_RAT	100177.05	9.01	Chloride channel protein 2	B1 (B4, B6, B7, B	477.18	23	22	33.8	78	B4 (B1, B6, B3, B	202.41	12	12	16.3	47	B1 (B4, B3, B2)	82.95	4	4	5.2	13
230	Q6P9U9	Q6P9U9_RAT	56105.92	6.84	Inosine-5'-monophosphate dehydrogenase	B6 (B3, B5)	102.57	3	3	7.6	5	B5 (B6, B3, B2)	102.62	3	3	5.8	13	B6 (B1, B7, B3, B	472.02	19	19	43.2	45
231	P61765	STXB1_RAT	67925.01	6.49	Syntaxin-binding protein 1	B5 (B4, B3)	62.97	6	6	13	14	B5 (B4, B3)	382.11	23	21	42.8	32	B5	113.63	11	11	22.1	12
232	D4AEH3	D4AEH3_RAT	36526.21	6.33	Proteasome (Prosome, macropain) 26S sub	B6 (B7)	149.83	6	6	20.9	8	B6 (B7)	227.45	8	8	27.2	13	B6 (B7)	476.04	17	16	56.9	33
233	Q4V7C7	ARP3_RAT	47783.14	5.61	Actin-related protein 3	B6 (B5)	454.01	22	20	61.2	27	B6 (B7, B5)	367.18	20	18	58.6	28	B6	387.18	21	20	65.6	24
234	B0BN93	PSD13_RAT	43075.28	5.55	26S proteasome non-ATPase regulatory sub	B7	163.03	10	10	29	10	B7	215.32	9	8	27.7	10	B7 (B6)	331.86	21	17	53.5	32
235	P63245	GBLP_RAT	35510.73	7.6	Guanine nucleotide-binding protein subunit b	B7 (B6, B8)	587.57	21	18	71.3	36	B7 (B8)	518.75	18	17	73.8	24	B7 (B6, B8)	536.41	20	18	63.7	26
236	Q2I6B1	Q2I6B1_RAT	99117.57	6.14	V-H+ATPase subunit a2 (ATPase, H+ transp	B3 (B1, B4, B2, B	363.76	22	21	27.1	51	B3 (B2)	164.58	8	8	10.7	12						
237	D4ABR6	D4ABR6_RAT	75511.3	5.43	Putative uncharacterized protein Anxa6	B5 (B4, B7, B3)	375.62	18	17	28.3	26	B5 (B4, B7)	417.1	22	22	37.2	28						
238	P54313	GBB2_RAT	38048.34	5.6	Guanine nucleotide-binding protein G(I)/G(S)	B7	380.34	16	15	52.1	37	B7 (B1, B6)	519.39	18	14	50.6	49	B7 (B6)	359.92	13	12	41.2	39
239	P16638	ACLY_RAT	121471.03	6.96	ATP-citrate synthase	B3 (B1)	71.73	3	3	3.5	5	B3 (B1)	68.54	3	3	2.8	9	B1 (B3)	440.05	23	21	21	42
240	B5DF65	B5DF65_RAT	22194.38	6.29	Biliverdin reductase B (Flavin reductase (NA	B8 (B1, B7, B9, B	102.46	5	5	38.8	19	B9 (B7, B8)	237.39	9	8	65.5	28	B8 (B1, B4, B6, B	544.25	14	11	74.8	75
241	P19945	RLA0_RAT	34364.86	5.91	60S acidic ribosomal protein P0	B7 (B6, B9, B8, B	266.32	16	15	50.2	35	B7 (B1, B4, B6, B	299.81	16	14	52.7	38	B7 (B1, B4, B6, B	337.59	19	17	57.4	50
242	P53987	MOT1_RAT	53830.64	8.62	Monocarboxylate transporter 1	B7 (B1, B4, B6, B	537.36	13	12	21.7	93	B7 (B1, B4, B6, B	562.7	12	11	24.9	87	B7 (B1, B4, B6, B	425.65	10	9	19.4	74

243	Q9Z1J7	Q9Z1J7_RAT	57630.4	7.44	Sodium-dependent neutral amino acid transp	B4 (B1, B6, B3, B	561.74	17	13	30.8	103	B4 (B1, B6, B3, B	533.08	14	12	31.4	83	B4 (B1, B3, B2, B	466.87	15	13	31.4	60
244	Q8VII6	CTL1_RAT	74582.72	9.01	Choline transporter-like protein 1	B6 (B1, B4, B7, B	472.26	16	15	28.2	92	B5 (B1, B4, B6, B	511.18	17	16	28.7	93	B6 (B1, B4, B3, B	470.33	17	16	26.7	61
245	P50137	TKT_RAT	68341.85	7.23	Transketolase	B5 (B4, B3)	335.65	17	15	34.3	34	B5 (B4)	271.96	18	17	37.1	27	B5 (B4)	121.81	8	8	16.2	10
246	Q6P799	SYSC_RAT	59064.01	5.86	Seryl-tRNA synthetase, cytoplasmic	B5	148.03	11	11	21.5	12	B5	145.48	10	10	22.3	10	B5	338.81	19	19	45.7	23
247	Q08163	CAP1_RAT	51898.61	7.16	Adenylyl cyclase-associated protein 1	B5 (B1, B4, B6, B	418.97	19	17	53.2	52	B5 (B6, B7, B9, B	330.37	14	13	40.9	32	B5 (B6, B9)	302.93	12	11	35	23
248	Q5RKI0	WDR1_RAT	66824.13	6.15	WD repeat-containing protein 1	B5	222.68	20	20	40.8	23	B5	187.32	17	17	33.5	20	B5	195.75	18	18	35	20
249	Q62753	STXB2_RAT	67109.87	6.31	Syntaxin-binding protein 2	B5 (B1, B4, B3, B	463.32	18	17	32.8	42	B5 (B1, B4, B3, B	417.12	18	16	27.3	39	B5	118.13	8	7	15.5	8
250	D3ZPE4	D3ZPE4_RAT	52667.49	5.27	Putative uncharacterized protein Anxa7	B6 (B7, B5)	344.16	17	15	29.3	21	B6 (B7, B5)	353.73	21	18	35.1	28	B6 (B7)	453.41	21	19	39	31
251	P19139	CSK21_RAT	45158.85	7.29	Casein kinase II subunit alpha	B6 (B7)	310.81	14	12	34.5	29	B6 (B7)	182.1	16	14	37.6	28	B6	285.03	17	16	48.3	23
252	B0BNK1	B0BNK1_RAT	23638.85	8.64	RCG32615, isoform CRA_a	B8 (B1, B4, B6, B	555.47	15	11	68.1	91	B9 (B1, B4, B6, B	453.69	13	11	62	70	B8 (B6, B7, B9)	427.2	14	11	59.3	40
253	P04642	LDHA_RAT	36712.45	8.45	L-lactate dehydrogenase A chain	B7 (B8, B2, B5)	249.66	14	14	40.7	23	B7 (B8)	464	19	18	57.5	30	B7 (B8)	257.74	16	15	39.8	20
254	B0K030	B0K030_RAT	38294.44	8.75	DnaJ (Hsp40) homolog, subfamily B, membe	B7 (B6, B3)	205.98	18	18	45.9	31	B7	120.13	11	11	30	15	B7	137.7	9	9	26.5	11
255	D3ZBV7	D3ZBV7_RAT	57782.31	5.26	Putative uncharacterized protein Krt10	B2	432.19	17	14	20.9	23	B9 (B10)	200.55	11	10	16	22						
256	P35213	1433B_RAT	28150.88	4.81	14-3-3 protein beta/alpha	B8 (B6, B7, B9, B	387.11	17	12	42.7	83	B8 (B4, B7, B2, B	277.75	12	10	34.6	60	B8 (B1, B6, B7, B	473.33	20	16	59.2	86
257	P02793	FRIL1_RAT	20792.71	5.99	Ferritin light chain 1	B9 (B10)	581.45	13	10	69.4	31	B9 (B10)	505.72	13	10	69.4	28	B9 (B2)	502.08	13	10	63.9	29
258	Q505J8	SYFA_RAT	57797.78	8.28	Phenylalanyl-tRNA synthetase alpha chain	B5 (B3)	255.83	20	17	42.5	26	B5 (B3)	120.75	11	9	18.1	16	B5 (B6)	229.09	16	15	37.4	20
259	P60892	PRPS1_RAT	35325.12	6.51	Ribose-phosphate pyrophosphokinase 1	B7	170.13	5	5	18.2	7	B7	246.06	8	7	26.4	10	B7 (B6, B8, B5)	475.33	17	15	57.2	36
260	D3ZLA3	D3ZLA3_RAT	60389.27	5.45	Copine III (Predicted), isoform CRA_b	B5 (B6, B3)	311.37	21	19	41.3	32	B5 (B6)	134.99	9	9	16.7	13	B5	44.64	2	2	3.4	2
261	B0BNE5	ESTD_RAT	31970.6	6.44	S-formylglutathione hydrolase	B7 (B8)	73.33	8	8	35.1	11	B7	95.29	10	10	47.9	11	B7 (B6, B9, B8)	426.3	15	13	62.1	44
262	B0BNN3	CAH1_RAT	28339.26	6.86	Carbonic anhydrase 1	B8 (B1, B6, B7, B	419.68	13	12	67.4	51	B8 (B6, B7, B9, B	331.01	14	13	73.6	50	B8 (B6, B7, B9)	391.32	14	13	73.6	45
263	P68101	IF2A_RAT	36370.54	5.02	Eukaryotic translation initiation factor 2 subu	B7 (B8)	180.09	10	10	33	12	B7	144.05	11	10	30.5	11	B7 (B8)	477	21	19	60.6	25
264	Q9JI92	SDCB1_RAT	32630.82	7.05	Syntenin-1	B7 (B1, B4, B6, B	366.75	19	14	60	77	B7 (B9, B8)	285.31	12	10	41	31	B7	252.59	12	10	39.7	13
265	P63102	1433Z_RAT	27924.81	4.73	14-3-3 protein zeta/delta	B8 (B2)	372.74	19	15	53.1	33	B8 (B9, B3)	266.94	18	14	43.7	31	B8	372.42	18	14	49.8	20
266	D4A0W9	D4A0W9_RAT	107292.61	5.69	Putative uncharacterized protein Ganab	B3	34.96	6	6	7.7	7	B3	186.81	20	20	25.6	22						
267	Q3B7U7	Q3B7U7_RAT	41682.61	6.02	Tln1 protein (Fragment)	B1	283.28	13	12	42.2	15	B1 (B2)	384.56	15	14	46.4	21	B1	420.89	19	17	54.7	21
268	Q6P9U8	EIF3H_RAT	40051.11	6.2	Eukaryotic translation initiation factor 3 subu	B6 (B1, B7)	71.57	2	2	10.2	5	B7 (B1, B6, B3, B	118.54	5	5	15.8	9	B7 (B1, B6, B3, B	361.25	16	13	40.1	50
269	D4ABR8	D4ABR8_RAT	68596.83	5.76	Lysyl-tRNA synthetase	B5	78.85	6	6	11.6	6	B5	70.43	7	7	10.4	7	B4 (B5)	257.88	16	16	29.6	37
270	P32551	QCR2_RAT	48423.2	9.16	Cytochrome b-c1 complex subunit 2, mitoch	B6	123.53	8	8	20.6	9	B6	356.18	16	16	43.1	21	B6	277.8	10	10	28.1	12
271	Q3B8Q2	IF4A3_RAT	47096.28	6.3	Eukaryotic initiation factor 4A-III	B6	283.99	20	18	41.8	21	B6	177.95	9	9	12.4	11	B6	220.44	10	9	17.8	12
272	P50279	STX2_RAT	33452.39	6.29	Syntaxin-2	B7 (B1, B4, B6, B	398.63	15	15	52.4	48	B7 (B6, B3, B8, B	351.02	18	16	52.4	42	B7 (B6, B8)	300.68	14	13	46.2	29
273	Q499R7	Q499R7_RAT	38222.96	6.42	Ppa1 protein (Fragment)							B7	141.82	5	4	13.9	5	B7	354.12	17	14	50.5	21
274	Q5XIU5	PSMF1_RAT	30006.94	5.08	Proteasome inhibitor PI31 subunit	B7 (B8)	107.84	7	7	29.2	13	B7 (B9, B8)	106.11	6	6	24.4	13	B7 (B9, B8)	250.45	17	15	54.2	38
275	P85970	ARPC2_RAT	34483.57	6.84	Actin-related protein 2/3 complex subunit 2	B7 (B8)	133.54	15	14	39	20	B7 (B8)	120.7	13	12	36	15	B7	243.2	17	15	42.7	21
276	B0BNJ1	B0BNJ1_RAT	21952.39	5.54	LOC683667 protein	B9 (B4, B6, B7, B	467.67	15	10	55.1	84	B9 (B6, B7, B8, B	290.42	12	9	44.9	36	B9	193.4	10	7	35.4	11
277	Q63632	S12A4_RAT	121690.27	6.22	Solute carrier family 12 member 4	B1 (B3, B2)	182.94	20	20	19.3	53	B3 (B2)	100.25	15	15	14.1	21						
278	P00787	CATB_RAT	38357.96	5.36	Cathepsin B	B8 (B10, B1, B4,	598.11	14	10	28.6	75	B8 (B6, B7)	247.44	8	6	19.2	22						
279	P84083	ARF5_RAT	20630.62	6.3	ADP-ribosylation factor 5	B9 (B10, B1, B4,	399.44	13	10	65.2	70	B9 (B10, B7, B3,	494.61	15	11	66.7	59	B9 (B7, B8, B5)	554.43	16	12	70	47
280	Q32PX2	AIMP2_RAT	35705.42	8.51	Aminoacyl tRNA synthase complex-interactin	B7	96.73	7	7	27.8	7	B7 (B1)	203.98	8	8	39.1	10	B7 (B1, B9, B8)	233.46	15	14	48.1	28
281	O70257	STX7_RAT	29946.38	5.32	Syntaxin-7	B7 (B1, B4, B6, B	405.89	12	11	59.8	65	B7 (B1, B4, B6, B	630.4	15	14	73.2	67	B7 (B1, B6, B3, B	334.51	11	11	49.4	29
282	O54975	XPP1_RAT	70354.41	5.38	Xaa-Pro aminopeptidase 1	B5 (B4)	82.16	7	7	12.8	13	B5 (B4, B2)	93.38	8	8	13.3	16	B5 (B1, B4, B3, B	285.51	16	16	35.8	45
283	D4A5Q2	D4A5Q2_RAT	134710.19	8.64	Putative uncharacterized protein Smc2													B2	169.64	18	18	15.8	20
284	D3ZD84	D3ZD84_RAT	107876.45	6.53	Putative uncharacterized protein Lrig1	B3 (B1, B2)	383.86	17	16	23.7	45	B3 (B1, B2)	269.11	18	18	22	39	B3 (B2)	119.85	10	10	13.8	14
285	P27952	RS2_RAT	31496.77	10.25	40S ribosomal protein S2	B7 (B4, B6, B9, B	283.84	18	16	50.5	80	B7 (B1, B4, B6, B	271.3	16	15	45.1	85	B7 (B6, B9, B8, B	134.53	14	14	43	29
286	Q9Z2S9	FLOT2_RAT	47407.72	5.13	Flotillin-2	B6	356.63	12	11	31.8	14	B6	365.58	18	17	41.4	20	B6	366.88	17	16	47	19
287	Q4QQS4	Q4QQS4_RAT	51285.58	5.49	RuvB-like 2 (E. coli)	B6	236.03	14	13	30.9	14	B6	217.78	14	13	31.7	15	B6	350.13	19	16	39.1	20
288	O35509	RB11B_RAT	24587.53	5.64	Ras-related protein Rab-11B	B9 (B1, B4, B6, B	435.85	14	13	63.8	86	B8 (B1, B4, B6, B	484.75	17	16	79.8	77	B8 (B6, B7, B9)	449.6	16	15	67.4	42
289	P04897	GNAI2_RAT	41043.27	5.28	Guanine nucleotide-binding protein G(i) subu	B7 (B1, B4, B6, B	260.74	15	14	42.3	30	B7 (B1, B4, B6, B	585.46	19	17	60.6	53	B7	247.43	15	15	42.5	16
290	Q9Z2L0	VDAC1_RAT	30850.62	8.62	Voltage-dependent anion-selective channel	B7 (B9, B8)	281.23	10	10	42.8	23	B7 (B9, B8)	633.34	17	17	76.3	37	B7	188.9	9	9	36	10
291	P04041	GPX1_RAT	22463.37	7.7	Glutathione peroxidase 1	B9 (B8)	259	13	13	62.7	21	B9 (B7, B3, B8)	224.46	12	12	63.2	22	B9 (B7, B8)	296.96	16	14	77.1	36
292	O88565	O88565_RAT	23827.88	8.32	RAB5A, member RAS oncogene family	B8 (B9)	431.09	13	10	56.7	35	B8 (B9)	388.38	15	12	70.2	36	B8	356.21	13	10	52.6	18
293	Q7M0E3	DEST_RAT	18806.65	8.19	Destrin	B9	262.57	16	12	64.8	20	B9	255.04	16	13	64.8	20	B9	197.25	14	11	50.3	16
294	D4ADS8	D4ADS8_RAT	24232.15	6.74	Putative uncharacterized protein Rab4a	B9	203.78	7	7	35	20	B9	241.94	9	9	47.2	16	B9	167.56	7	7	35	12
295	D3ZE37	D3ZE37_RAT	18917.12	10.11	Putative uncharacterized protein Rps11	B9 (B8)	210.06	16	15	71.9	26	B9 (B8)	160.72	15	14	65.6	25	B9	50.1	9	9	42.5	10
296	Q71SA3	Q71SA3_RAT	133579.4	4.74	Thrombospondin 1	B2 (B1, B3)	285.11	16	16	15.6	38	B2 (B1, B4, B3)	323.85	15	15	13.7	44	B2 (B1, B4, B3)	224.81	17	17	13.4	54
297	Q9EPH8	PABP1_RAT	70883.97	9.52	Polyadenylate-binding protein 1							B4 (B1, B6, B3, B	272.65	13	12	21.4	35	B4 (B1, B5)	300.26	19	18	30.8	33
298	D3Z9R6	D3Z9R6_RAT	53769.26	8.92	Putative uncharacterized protein Ermap	B4 (B1, B6, B7, B	407.29	12	11	31.9	66	B4 (B1, B6, B7, B	360.21	10	9	23.7	67	B4 (B1, B7, B3, B	299.67	9	9	21.8	38
299	P01026	CO3_RAT	187824.96	6.12	Complement C3	B5 (B4, B6, B7, B	124.98	12	11	6.1	51	B5 (B1, B6, B3, B	100.43	10	9	6	40	B5 (B1, B4, B6, B	221.87	17	15	8.3	84
300	Q9ER34	ACON_RAT	86121.25	7.87	Aconitate hydratase, mitochondrial	B4 (B2)	159.19	17	17	25.1	20	B4 (B1)	178.52	16	16	26.5	22	B4 (B1)	161.21	15	15	25	22
301	D3Z9Q9	D3Z9Q9_RAT	151358.23	6.39	Putative uncharacterized protein Dhx9	B2 (B1, B3)	211.51	11	11	10.2	26	B2 (B3)	93.13	10	9	7.3	13	B2 (B1, B3)	333.32	17	16	12.4	28
302	Q7TMA5	APOB_RAT	537740.44	7.05	Apolipoprotein B-100	B1 (B3, B2)	182.79	13	13	2.6	46	B1	65.49	9	9	1.7	10	B1	34.46	6	6	1.3	6
303	D3ZCH9	D3ZCH9_RAT	90527.78	5.55	Putative uncharacterized protein Cd177	B2 (B3)	121.04	10	10	13.2	11	B2 (B1, B3)	333.25	18	18	30.6	25	B2	199.63	10	10	16.3	10
304	B1WC02	B1WC02_RAT	67282.34	6.14	Ctps protein	B5 (B4, B3)	98.41	3	3	7.1	10	B5	102.24	5	5	11.8	6	B5 (B4, B3, B2)	295.73	16	15	28.6	44
305	D3ZHS9	D3ZHS9_RAT	62083.09	8.87	Putative uncharacterized protein Epb4.1	B7	76.49	10	10	12	11	B4 (B7, B3)	146.66	7	7	10.8	22	B4 (B6, B7, B3, B	323.31	16	16	21.8	88
306	B5DFC1	B5DFC1_RAT	72978.1	5.15	Vps35 protein (Fragment)	B4 (B1, B3, B2)	331.62	14	14	26.2	43	B4 (B1, B3, B2)	255.22	9	9	17.3	25	B4 (B3, B2)	391.87	11	11	24	28
307	D3ZPR0	D3ZPR0_RAT	110942.48	5.52	Chromosome segregation 1-like (S. cerevisia	B3 (B2)	151.68	10	10	12.2	16	B3 (B1)	66.02	6	6	6.6	8	B3	389.43	16	15	18.5	19
308	D2XV59	D2XV59_RAT	73070.3	8.6	GTP binding protein 1 (Predicted), isoform CRA_a							B4	129.16	7	7	13.6	7	B4	354.25	19	17	29.4	19
309	B2GVB9	B2GVB9_RAT	76145.16	6.63	Fermt3 protein	B7 (B1, B4, B6, B	279.67	18	17	24.5	39	B7 (B4, B3, B2, B	266.76	13	12	22	52	B7 (B4, B5)	198.41	11	11	17	32
310	P18418	CALR_RAT	48136.9	4.33	Calreticulin	B5 (B6)	96.57	6	6	14.9	12	B5 (B6)	158.45	16	16	40.1	37	B6 (B5)	88.41	9	9	24.8	15
311	P85515	ACTZ_RAT	42700.95	6.19	Alpha-centractin	B6 (B4, B7, B3, B	242.66	13	12	37.5	23	B6 (B7, B3)	249.83	10	9	32.2	17	B6 (B7)	330.12	15	14	47.1	22
312	P63331	PP2AA_RAT	36155.63	5.3	Serine/threonine-protein phosphatase 2A ca	B7 (B4, B6, B8, B	216.8	9	9	35	17	B7 (B4, B3)	151.96	9	8	33.3	14	B7 (B6, B8)	396.91	17	14	53.7	31
313	Q5XIH7	PHB2_RAT	33291.91	9.83	Prohibitin-2	B7 (B8)	193.95	8	8	30.1	9	B7 (B8)	305.86	14	13	50.2	24	B7 (B8)	316.49	14	14	54.5	18
314	P10111	PPIA_RAT	18090.89	8.34	Peptidyl-prolyl cis-trans isomerase A	B9 (B6, B7, B3)	243.56	13	9	60.4	24	B9 (B1, B6, B7, B	341.79	15	10	64	34	B9 (B7)	323.99	16	11	57.9	21
315	D3ZU80	D3ZU80_RAT	24275.1	11.57	Ribosomal protein L15	B8 (B10, B6, B7,	189.94	15	15	53.9	82	B9 (B10, B6, B7,	191.6	13	13	51.5	67	B8 (B9)	86.87	6	6	28.4	15
316	P60522	GBRL2_RAT	13715.09	7.82	Gamma-aminobutyric acid receptor-associat	B10 (B1, B4, B6,	311.79	13	12	60.7	63	B10 (B1, B4, B6,	248.46	10	10	53.8	62	B9 (B10, B8)	168.04	5	5	35.9	19
317	P62907	RL10A_RAT	24986.6	9.94	60S ribosomal protein L10a	B8 (B9)	196.87	14	12	41.9	23	B8 (B9)	178.56	11	11	46.5	20	B8	65.83	10	9	33.2	13
318	Q2I6B0	Q2I6B0_RAT	93850.11	6.02	V-H+ATPase subunit a3	B3 (B4)	359.52	15	15	22.3	24	B3 (B4)	205.17	12	12	17.7	17						
319	D3ZJH9	D3ZJH9_RAT	65993.93	7.87	Malic enzyme	B5	383.24	18	17	44.3	19	B5	174.98	8	8	17.8	9						
320	Q6PDV7	RL10_RAT	25044.04	10.11	60S ribosomal protein L10	B8 (B6, B7, B9, B	124.72	16	15	56.5	55	B9 (B7, B8)	142.53	11	10	41.6	26						
321	Q31267	Q31267_RAT	42088.42	5.7	MHC class I RT1.E	B6 (B7)	253.83	14	14	36.7	30												
322	Q62910	SYNJ1_RAT	173970.02	6.43	Synaptojanin-1	B2	72.06	3	3	1.8	4	B2 (B1)	72.45	3	3	2	4	B2 (B1)	265.01	16	16	12	25
323	D4ADN2	D4ADN2_RAT	33744.98	10.69	60S ribosomal protein L6	B7 (B10, B1, B4,	214.99	15	15	41.1	76	B8 (B10, B1, B4,	204.18	9	9	30	68	B9 (B1, B6, B7, B	169.07	9	9	25.6	32

324	D4A857	D4A857_RAT	117601.51	4.74	Putative uncharacterized protein Ipo9													B3 (B2)	451.8	14	14	21.6	24
325	P35559	IDE_RAT	118376.42	6.15	Insulin-degrading enzyme													B3	114.96	18	18	17.1	18
326	Q4V8E2	Q4V8E2_RAT	34725.62	6.06	Proteasome (Prosome, macropain) 26S subunit, non-ATPase, 14							B7	122.34	5	3	23.5	5	B7 (B3, B8)	187.68	17	11	59.4	23
327	D3ZWJ9	D3ZWJ9_RAT	67397.58	4.89	Putative uncharacterized protein RGD13061	B4 (B1, B3, B2, B	387.17	15	14	27.9	42	B4 (B3)	198.35	9	9	14.7	18	B4 (B3)	55.29	2	2	3.7	4
328	Q9QUL6	NSF_RAT	83170.18	6.55	Vesicle-fusing ATPase	B4	71.09	3	3	3.9	3	B4	229.57	8	8	11.6	8	B4	320.32	18	18	25	18
329	Q4KM49	SYYC_RAT	59420.14	6.57	Tyrosyl-tRNA synthetase, cytoplasmic													B5	110.89	18	18	35.6	18
330	D3ZW96	D3ZW96_RAT	56346.33	6.18	Putative uncharacterized protein Atp6v1h	B6 (B1, B3, B2, B	220.57	18	17	39.5	32	B6 (B7, B5)	151.44	15	14	36	19	B6 (B5)	182.78	10	9	24	12
331	Q66HG5	TM9S2_RAT	76619.75	7.23	Transmembrane 9 superfamily member 2	B6 (B1, B4, B3, B	429.44	16	14	24	49	B6 (B1, B4, B3, B	221.13	13	12	16.7	40	B6	111.11	6	6	9	6
332	P38918	ARK73_RAT	37122.48	6.79	Aflatoxin B1 aldehyde reductase member 3	B7 (B6, B8)	156.3	7	6	20.8	10	B7 (B6)	84.58	2	2	7	4	B7 (B6)	464.16	17	11	32.1	19
333	P61589	RHOA_RAT	22110.22	5.83	Transforming protein RhoA	B9 (B1, B4, B6, B	218.37	11	8	35.2	33	B9 (B10, B1, B4,	218.29	12	9	37.8	28	B9 (B6, B7)	311.47	13	10	42	25
334	Q99MI5	Q99MI5_RAT	34545	5.41	Spermidine synthase	B7	60.21	5	5	15.6	5							B7	405.87	15	12	42.7	18
335	A1L114	A1L114_RAT	60980.87	7.11	Fga protein	B5 (B10, B6, B7,	268.28	18	15	35.3	71	B5 (B10, B6)	122.85	6	6	8.3	14	B7	28.79	3	3	3.1	3
336	D3ZNG7	D3ZNG7_RAT	54838.69	8.24	Putative uncharacterized protein ENSRNOP	B6 (B1, B4, B7, B	288.35	14	12	30.1	58	B7 (B6, B5)	209.4	12	11	30.1	25	B7	27.09	3	3	7.1	4
337	Q6PCU2	VATE1_RAT	26168.86	8.44	V-type proton ATPase subunit E 1	B8 (B6, B7)	379.25	15	9	38.9	32	B8 (B7)	327.32	16	13	49.1	31	B8	172.19	7	6	26.1	9
338	P24049	RL17_RAT	21611.45	10.2	60S ribosomal protein L17	B8 (B4, B6, B7, B	277.99	13	10	50.5	50	B9 (B1, B4, B7, B	182.66	9	8	45.1	48	B8 (B9)	84.32	5	5	29.3	9
339	D3Z9H3	D3Z9H3_RAT	25383.56	4.81	Eukaryotic translation initiation factor 3, subunit 12 (Predicted), isoform CRA_a							B9	89.98	3	3	22	3	B9	335.71	15	11	61.5	18
340	Q06647	ATPO_RAT	23439.8	10.03	ATP synthase subunit O, mitochondrial	B9	210.85	8	7	46	9	B9	268.8	13	11	63.8	16	B9	292.37	15	13	69.5	18
341	P51796	CLCN5_RAT	83983.18	6.43	H(+)/Cl(-) exchange transporter 5	B4 (B3, B5)	212.09	15	12	18.6	32	B4	143.35	10	9	13.7	11						
342	D4A7X9	D4A7X9_RAT	125924.55	9.25	Myosin IF (Predicted)	B4 (B1, B3, B2, B	214.39	17	16	17.2	36	B4 (B1, B3, B2)	135.57	10	10	10.3	21						
343	Q6IRH6	Q6IRH6_RAT	40051.69	9.38	Slc25a3 protein	B8 (B7)	142.2	11	10	26.1	20	B8 (B7, B9)	160.61	17	17	40.3	36	B8 (B7)	159.34	15	14	40.7	27
344	D3ZA84	D3ZA84_RAT	273795.14	5.39	Putative uncharacterized protein RGD1565416													B1	207.77	16	15	5.7	17
345	D3ZNI6	D3ZNI6_RAT	209275.75	6.57	Putative uncharacterized protein Dnajc13	B1	137.09	8	8	6.7	9	B1	221.35	12	12	9.2	13	B1	205.72	16	16	10.5	17
346	D3ZU13	D3ZU13_RAT	176394.73	5.29	Putative uncharacterized protein Eif4g1							B1	32.86	4	4	2.9	4	B2 (B1)	162.56	17	17	11.8	28
347	P63025	VAMP3_RAT	11587.03	8.68	Vesicle-associated membrane protein 3	B10 (B1, B4, B6,	644.26	8	6	55.3	80	B10 (B1, B4, B6,	611.96	9	7	64.1	69	B10 (B1, B6, B7,	268.35	5	4	54.4	23
348	Q63016	LAT1_RAT	56550.93	8.18	Large neutral amino acids transporter small	B7 (B1, B4, B6, B	317.68	11	11	15.6	59	B7 (B1, B4, B6, B	320.94	8	8	13.9	52	B7 (B1, B4, B6, B	285.13	9	9	15.2	42
349	Q4VSI4	UBP7_RAT	129432.73	5.31	Ubiquitin carboxyl-terminal hydrolase 7							B2	50.42	4	3	2.7	4	B2 (B1, B3)	102.01	15	15	14.9	27
350	P05708	HXK1_RAT	103539.56	6.29	Hexokinase-1	B3 (B2)	130.96	10	10	11.8	13	B3 (B1)	163.15	10	10	11.7	15	B3	258.13	15	15	16.8	17
351	P54319	PLAP_RAT	88510.96	5.72	Phospholipase A-2-activating protein													B4 (B3)	511.29	17	17	31.2	20
352	P48721	GRP75_RAT	74096.96	5.97	Stress-70 protein, mitochondrial	B4	125.97	8	8	12.1	8	B4	330.18	16	16	26.5	17	B4	312.98	12	12	17.7	12
353	Q66HF1	NDUS1_RAT	80330.94	5.65	NADH-ubiquinone oxidoreductase 75 kDa su	B4	74.18	6	6	9.1	7	B4	360.7	15	15	25.9	17	B4	205.71	7	7	12.4	8
354	P35565	CALX_RAT	67611.76	4.49	Calnexin	B4	167.76	8	8	15.2	8	B4 (B2, B5)	272.17	15	15	25.7	28	B4	161.99	11	11	19	12
355	D4AE01	D4AE01_RAT	248276.96	5.69	Putative uncharacterized protein F5	B4 (B7, B8)	142.45	6	6	3	9	B4 (B8)	236.52	16	15	7.2	18	B4 (B7, B5)	157.79	7	7	3.9	10
356	Q66H32	Q66H32_RAT	46947.42	4.49	RAN GTPase activating protein 1													B5 (B4)	356.27	15	15	33.2	21
357	Q8R3Z7	Q8R3Z7_RAT	61656.54	6.33	EH-domain containing 4	B5	229.53	13	13	23.3	15	B5	185.91	14	14	23.5	14	B5	327.39	16	15	27.2	17
358	O88656	ARC1B_RAT	41828.79	8.69	Actin-related protein 2/3 complex subunit 1B	B7 (B6)	313.47	13	13	38.2	21	B7 (B6)	257.79	13	13	33.9	21	B7	148.82	9	9	28.5	11
359	P27605	HPRT_RAT	24689.62	6.07	Hypoxanthine-guanine phosphoribosyltransf	B8	116.29	7	7	33.9	7	B8 (B7, B9)	98.98	5	5	24.8	7	B8 (B7, B9)	246.66	13	11	61	24
360	P68511	1433F_RAT	28365.09	4.81	14-3-3 protein eta	B8	252.71	13	11	38.6	15	B8	222.4	13	11	37.8	14	B8	236.43	14	12	38.6	17
361	P61983	1433G_RAT	28455.98	4.8	14-3-3 protein gamma	B8	203.59	13	10	36	15	B8	155.97	10	8	29.6	11	B8	216.19	14	11	39.7	17
362	P51792	CLCN3_RAT	91822.55	5.88	H(+)/Cl(-) exchange transporter 3	B3 (B1, B4, B7, B	214.89	14	13	17.5	52	B3 (B1, B7, B2)	209.49	12	12	15.6	26						
363	P11505	AT2B1_RAT	139601.26	5.71	Plasma membrane calcium-transporting ATP	B2 (B1)	322.91	15	15	13.9	31	B3	387.7	16	16	14.4	17						
364	P24268	CATD_RAT	45165.08	6.66	Cathepsin D	B6 (B7, B9, B8)	335.19	14	12	33.2	35	B6	172.67	8	8	26.3	10						
365	D3ZN27	D3ZN27_RAT	117025.79	5.69	Putative uncharacterized protein Dnajc13	B1	149.3	8	8	10.6	10	B1	219.66	9	9	12.5	11	B1	267.2	14	14	16.6	16
366	D4AC36	D4AC36_RAT	38087.34	5.24	Putative uncharacterized protein Eif3f	B5 (B6)	127.01	5	5	18.3	6	B5 (B6)	172.25	6	5	18.3	8	B5 (B1, B6, B7)	340.69	14	12	35.5	26
367	D3ZI37	D3ZI37_RAT	54890.11	4.7	Putative uncharacterized protein Stam	B5	45.46	1	1	2.8	1	B5 (B1, B4, B2)	174.74	9	8	17.8	19	B5 (B4, B2)	314.02	13	12	35.2	20
368	Q6AXT5	RAB21_RAT	24547.32	8.11	Ras-related protein Rab-21	B8 (B10, B1, B4,	464.01	13	11	50.7	58	B8 (B10, B1, B4,	393.99	13	12	52	52	B8 (B10, B4, B6,	486.35	12	10	48.4	39
369	O88775	EMB_RAT	37437.69	5.22	Embigin	B3 (B1, B4, B2, B	336.84	10	9	25.9	53	B4 (B1, B3, B2, B	389.01	10	9	25.9	54	B4 (B3, B2, B5)	311.56	9	8	25.9	31
370	Q6P7D2	Q6P7D2_RAT	73355.58	5.47	Arginyl aminopeptidase (Aminopeptidase B)	B5 (B4)	319.67	15	14	27.2	19	B5	149.98	9	9	15.5	9	B5	141.71	6	6	11.1	6
371	Q62636	RAP1B_RAT	21012.67	5.65	Ras-related protein Rap-1b	B9 (B1, B4, B7, B	285.56	8	7	39.1	41	B9 (B10, B1, B7,	367.85	11	10	49.5	52	B9 (B6, B7, B8)	324.28	10	9	48.4	33
372	B2RYQ2	B2RYQ2_RAT	36878.76	5.88	Protein phosphatase 2A activator, regulatory subunit 4							B7	90.74	4	4	12.7	4	B7 (B6)	216.09	14	13	41.5	17
373	Q4QQR9	MEMO1_RAT	34056.62	6.67	Protein MEMO1	B7	181.54	12	12	51.9	13	B7	237.62	12	9	42.1	13	B7	327.08	15	14	58.6	16
374	O70319	O70319_RAT	30562.67	5.44	Syntaxin 13	B7 (B1, B4, B6, B	387.88	9	7	33.3	33	B7 (B1, B4, B6, B	452.64	11	9	51.3	36	B7	227.46	8	7	33.3	9
375	P41498	PPAC_RAT	18595.99	6.08	Low molecular weight phosphotyrosine prote	B9	90.86	4	4	26.6	4	B9	245.46	8	7	41.8	8	B9 (B7, B8)	355.67	11	9	43.7	23
376	Q9R1Z0	VDAC3_RAT	31177.53	8.91	Voltage-dependent anion-selective channel	B7 (B9, B8)	283.38	11	11	47	26	B7 (B6, B9, B8, B	370.57	13	13	60.4	42	B7 (B8)	101.31	7	7	27.5	9
377	Q07936	ANXA2_RAT	38938.91	7.55	Annexin A2	B2 (B7)	296.38	13	13	37.8	23	B7	261.37	13	13	41.9	14	B7	83	4	4	11.8	4
378	Q66HA6	ARL8B_RAT	21753.23	8.67	ADP-ribosylation factor-like protein 8B	B9	230.99	11	8	44.1	12	B9	326.63	13	11	57.5	16	B9 (B7)	241.53	11	10	50.5	14
379	B2RYR8	B2RYR8_RAT	24475.27	10.32	Ribosomal protein S8	B8 (B10, B1, B4,	300.87	12	12	52.4	72	B9 (B10, B1, B4,	275.99	8	8	43.8	68	B8 (B9)	129.29	9	9	42.3	14
380	P45592	COF1_RAT	18748.75	8.22	Cofilin-1	B9 (B2)	249.83	12	11	77.1	22	B9 (B6, B5)	280.37	11	11	77.1	17	B9	275.14	11	10	62.7	14
381	B2RYU2	B2RYU2_RAT	18005.62	9.48	RCG45615, isoform CRA_a	B9	314.66	11	11	70.9	14	B9	244.05	9	9	58.2	12	B9	261.14	11	11	66.7	16
382	Q4KM74	SC22B_RAT	24895.81	8.67	Vesicle-trafficking protein SEC22b	B9 (B7, B8)	313.18	13	10	45.6	18	B9 (B8)	329.92	16	14	54.4	21	B9	251.42	11	10	38.1	11
383	D3ZFY8	D3ZFY8_RAT	16458.28	7.74	Putative uncharacterized protein Tmem189	B9	138.23	10	9	55.1	16	B9	78.47	7	7	41.5	9	B9	140.1	10	9	58.5	10
384	Q5XIL2	P4K2B_RAT	54999.85	6.4	Phosphatidylinositol 4-kinase type 2-beta	B6 (B1, B4, B3, B	316.18	15	15	35.4	46	B5 (B6, B2)	146.43	9	9	22.4	17						
385	O88807	PADI4_RAT	75104.11	7.23	Protein-arginine deiminase type-4	B4 (B3, B8, B2, B	372.07	15	15	31.7	28	B4 (B5)	217.83	12	12	25.7	13						
386	D3ZMQ3	D3ZMQ3_RAT	117000.54	6.62	Putative uncharacterized protein Itga4	B4 (B5)	288.71	14	13	15.6	27	B4 (B5)	157.61	7	7	7.6	14						
387	O35763	MOES_RAT	67867.85	6.16	Moesin	B4 (B6, B7, B2, B	173.68	9	9	15.8	41	B4 (B5)	95.05	13	13	21	27						
388	D3ZNA5	D3ZNA5_RAT	37206.4	5.7	Putative uncharacterized protein RT1-S3	B7 (B10, B1, B4,	372.39	12	11	30.7	83	B7 (B6)	190.98	6	6	15.5	21						
389	D4A0J1	D4A0J1_RAT	37484.27	9.48	Putative uncharacterized protein Wbp2	B6 (B1, B4, B7, B	202.6	7	7	31.7	69	B6 (B1, B4, B7, B	280.8	11	9	23.5	79	B6 (B1, B4, B7, B	204.94	9	8	19.4	34
390	A7BFV9	A7BFV9_RAT	99122.79	4.48	Epidermal growth factor receptor pathway substrate 15							B3 (B1, B2)	118.08	3	3	5.4	6	B3 (B1, B4, B2)	488.51	15	15	24.7	30
391	P46844	BIEA_RAT	33715.58	5.82	Biliverdin reductase A	B7 (B8)	134.56	8	8	27.5	17	B7 (B6, B3, B8)	121.65	7	7	24.4	10	B7 (B1, B6, B3, B	295.84	13	13	46.1	36
392	P63029	TCTP_RAT	19563.59	4.76	Translationally-controlled tumor protein	B9 (B1, B6, B7, B	94.66	5	5	23.3	19	B9 (B1, B7, B3, B	112.92	7	6	31.4	23	B9 (B1, B6, B7, B	180.05	12	9	47.1	33
393	P18297	SPRE_RAT	28509.63	5.55	Sepiapterin reductase	B8 (B9)	308.99	10	8	42.7	19	B9 (B7, B8, B2)	261.97	8	6	35.1	22	B9 (B1, B6, B7, B	497.9	11	9	48.9	50
394	Q6P769	Q6P769_RAT	45602.01	4.36	Putative uncharacterized protein	B6 (B5)	102.74	7	6	17.4	11	B6 (B1, B4, B7, B	102.25	6	6	17.4	21	B5 (B4, B6, B7, B	237.02	9	8	22.5	41
395	Q8CGU6	NICA_RAT	79034.69	5.51	Nicastrin	B3 (B2)	384.18	11	11	21.5	21	B3 (B2)	382.19	10	10	19.6	18	B3	215.84	8	8	15.1	8
396	Q66HA8	HS105_RAT	97326.74	5.4	Heat shock protein 105 kDa													B3	207.26	13	13	17.8	15
397	Q68FP1	GELS_RAT	86413.21	5.76	Gelsolin	B4 (B2)	120.36	7	7	10.4	10	B4	166.31	8	8	10.6	9	B4 (B6, B3)	209.26	13	13	16.5	22
398	Q6DGF2	Q6DGF2_RAT	52221.56	5.88	Enthoprotin	B4 (B5)	103.6	3	3	8.1	5	B4 (B6, B3, B5)	293.06	11	10	27.5	34	B4 (B6, B7, B3, B	378.29	14	13	35.4	27
399	Q68FT7	Q68FT7_RAT	66293.7	6.63	Phenylalanyl-tRNA synthetase, beta subunit	B5	81.46	8	8	13.4	9	B5	94.59	9	9	13.4	9	B5	159.85	14	14	21.6	15
400	Q5HZV9	PP1R7_RAT	41385.49	4.84	Protein phosphatase 1 regulatory subunit 7							B7	39.1	2	2	7.8	2	B6 (B5)	356.01	13	13	40	16
401	P38983	RSSA_RAT	32917.47	4.8	40S ribosomal protein SA	B6 (B1, B4, B7, B	367.36	14	12	47.1	75	B8 (B1, B6, B7, B	253.85	9	9	47.1	55	B6 (B7, B9, B8)	365.32	11	10	38	34
402	P05065	ALDOA_RAT	39783.45	8.31	Fructose-bisphosphate aldolase A	B6	142.73	8	8	24.7	8	B6 (B7)	293.32	12	12	36	21	B6	184.47	8	8	25.3	8
403	D3ZW08	D3ZW08_RAT	55615.17	6.68	Adenylosuccinate lyase (Predicted)													B6	182.09	14	14	38.2	15
404	P51635	AK1A1_RAT	36710.99	6.84	Alcohol dehydrogenase [NADP+]							B7	65.95	3	3	11.4	4	B7 (B8)	165.01	13	13	39.7	16

405	Q05962	ADT1_RAT	33196.32	9.81	ADP/ATP translocase 1													B7 (B8)	156.04	14	14	45	27
406	A1L1J8	A1L1J8_RAT	23887.96	8.29	RAB5B, member RAS oncogene family	B8 (B6, B7, B9)	317.21	10	8	45.1	39	B8 (B6, B7, B9)	291.95	13	11	64.2	38	B8 (B9)	334.2	11	9	46.5	24
407	P67779	PHB_RAT	29858.92	5.57	Prohibitin	B8	119.43	8	8	29	8	B8 (B7, B9)	312.63	13	13	54.8	18	B8	294.13	12	12	51.1	14
408	P67874	CSK2B_RAT	25268.13	5.33	Casein kinase II subunit beta	B8 (B9)	176.87	9	8	38.6	16	B8 (B9)	100.21	9	7	36.3	14	B8 (B9)	246.72	13	10	54	18
409	P62260	1433E_RAT	29326.48	4.63	14-3-3 protein epsilon	B8 (B2)	190.69	11	10	42.7	17	B7	108.57	6	5	23.9	6	B8	223.83	14	12	51.8	15
410	Q9Z2Q7	STX8_RAT	27122.15	4.92	Syntaxin-8	B8 (B6, B7, B5)	242.02	13	12	41.1	30	B8 (B7)	230.64	12	12	44.9	16	B8	104.45	4	4	22	5
411	D3ZY96	D3ZY96_RAT	19710.84	8.24	Neutrophilic granule protein (Predicted)	B8 (B6, B7, B9)	192.3	12	12	55.4	28	B9 (B7, B8)	296.1	12	12	58.9	34	B8 (B9)	89.87	6	6	38.7	13
412	P62890	RL30_RAT	12946.81	9.65	60S ribosomal protein L30	B9 (B10)	278.38	11	8	59.1	21	B9 (B10)	266.61	11	8	59.1	22	B9 (B10)	258.23	7	6	53.9	9
413	B0K038	B0K038_RAT	18073.96	10.21	Rps16 protein (Fragment)	B9 (B10, B6, B7,	184.92	12	11	54.4	31	B9 (B10, B1, B6,	128.66	11	11	54.4	24	B9	146.85	9	9	46.9	9
414	P12001	RL18_RAT	21702.22	11.79	60S ribosomal protein L18	B9 (B10, B1, B4,	199.38	13	11	46.8	55	B9 (B10, B6, B7,	190.68	12	11	44.1	40	B9	111.7	6	6	32.4	6
415	Q5RK10	Q5RK10_RAT	23545.42	11.02	Neuroprotective protein 11	B9 (B10, B6, B7,	182.08	14	13	48.3	55	B9 (B10, B1, B6,	154.06	14	13	47.3	43	B9	36.84	6	6	20.2	6
416	P24135	PLCG2_RAT	148838.73	6.4	1-phosphatidylinositol-4,5-bisphosphate pho	B2	182.61	14	14	15.7	15	B2	59.1	9	9	8.5	9						
417	Q924W2	Q924W2_RAT	109700.71	6.53	Integrin alpha 6 subchain (Fragment)							B3 (B7)	295.96	15	15	17.1	19						
418	D3ZYA3	D3ZYA3_RAT	41411.98	8.09	Putative uncharacterized protein Tmem30a	B5 (B1, B4, B6, B	310.42	13	12	29.9	50	B5 (B4, B3)	210.13	12	12	31.6	21						
419	Q6MG31	Q6MG31_RAT	41339.43	5.55	RT1 class I, CE13	B6 (B7)	76.36	8	8	17.5	22	B6	70.45	8	8	20.5	11						
420	D4A3K5	D4A3K5_RAT	21991.04	10.99	Histone 1, H1a (Predicted)	B7 (B6)	349.46	10	10	36.9	18	B7 (B8)	144.75	9	9	42.5	16						
421	D3ZEA8	D3ZEA8_RAT	924755.93	5.47	Putative uncharacterized protein Syne1	B1	89.88	13	13	1.5	15												
422	D3ZBJ3	D3ZBJ3_RAT	163902.68	5.06	Putative uncharacterized protein Gapvd1													B1 (B3, B2)	138.85	14	14	10.4	27
423	Q6P7R7	Q6P7R7_RAT	15004.07	9.87	Ubiquitin A-52 residue ribosomal protein fusi	B10 (B1, B4, B6,	134.53	6	6	50.6	104	B7 (B10, B1, B4,	118.24	8	7	46.1	108	B8 (B10, B1, B4,	115.13	8	7	46.1	97
424	B1WBX5	B1WBX5_RAT	67972.09	8.78	Solute carrier family 43, member 1	B5 (B1, B4, B6, B	306.95	9	9	17.8	55	B5 (B1, B4, B6, B	364.18	10	9	18.3	59	B5 (B1, B4, B6, B	228.74	6	6	13.4	44
425	P15684	AMPN_RAT	109779.02	5.3	Aminopeptidase N	B2	45.53	4	4	4.1	4	B2	407.96	14	12	17.5	14	B2	56.59	2	2	2.6	2
426	P35704	PRDX2_RAT	21941.13	5.34	Peroxiredoxin-2	B9 (B1, B4, B6, B	130.34	8	8	32.3	31	B9 (B1, B4, B6, B	198.74	10	10	51.5	50	B9 (B4, B6, B7, B	241.61	10	10	47	42
427	D3ZFP9	D3ZFP9_RAT	108661.02	4.45	Putative uncharacterized protein Thbs4	B3	37.95	3	3	3.6	3							B3	207.31	12	12	13	14
428	O35142	COPB2_RAT	103341.61	5.15	Coatomer subunit beta'	B3	210.07	14	14	19.8	14	B3	105.73	11	11	13.7	11	B3	178.87	13	13	16.5	13
429	P14562	LAMP1_RAT	44397.34	8.31	Lysosome-associated membrane glycoprote	B3 (B4, B5)	169.96	9	9	21.4	16	B3 (B4, B2, B5)	283.01	12	12	27.5	24	B3	102.96	5	5	12.3	5
430	Q6AYD5	Q6AYD5_RAT	69506.35	5.12	G1 to S phase transition 1													B4	82.31	13	13	26.6	14
431	Q5M7T5	Q5M7T5_RAT	52714.03	6.18	Serine (Or cysteine) peptidase inhibitor, clade C (Antithrombin), member 1													B4	55.88	13	10	18.5	14
432	Q4QQT4	2AAB_RAT	66648.72	4.99	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform													B5	320.61	11	11	20.8	14
433	Q07439	HSP71_RAT	70427.2	5.61	Heat shock 70 kDa protein 1A/1B	B2	266.03	13	12	22.2	14							B5	294.29	11	10	21.2	12
434	Q5FVL8	Q5FVL8_RAT	77688.16	9.67	ATP-binding cassette, sub-family B (MDR/TA	B5	89.01	7	7	14.8	7	B5	357.87	14	14	24.8	14	B5	150.71	6	6	11	6
435	P60123	RUVB1_RAT	50524.43	6.02	RuvB-like 1	B6	217.11	11	11	34.4	12	B6	221.1	8	8	23.2	9	B6 (B5)	280.89	13	13	35.5	15
436	Q4G079	Q4G079_RAT	34951.13	8.52	Small inducible cytokine subfamily E, membe	B6 (B7)	116.14	3	3	11.4	4	B6 (B7)	152.31	10	10	41.6	13	B6 (B7)	293.82	11	11	47	20
437	Q91Y77	MOT10_RAT	56367.72	6.26	Monocarboxylate transporter 10	B6 (B1, B4, B7, B	351.95	13	11	23.7	52	B6 (B1, B7, B3, B	253.22	11	9	14.4	34	B6 (B7)	216.21	8	7	16.5	14
438	Q3B8P5	Q3B8P5_RAT	32544.77	6.05	Psmd8 protein (Fragment)	B7	61.97	5	5	17.5	5	B7	63.3	4	4	14.7	4	B7 (B8)	187.66	12	11	43.5	17
439	P62755	RS6_RAT	28834.05	10.85	40S ribosomal protein S6	B9 (B10, B4, B6,	333.94	14	12	39.8	52	B9 (B10, B7, B8,	282.54	12	11	38.2	36	B9 (B7, B8)	204.09	9	8	25.7	18
440	D4A6W6	D4A6W6_RAT	28367.37	10.79	Putative uncharacterized protein RGD15613	B8 (B4, B6, B7, B	228.49	11	11	38.1	60	B8 (B10, B1, B4,	157.56	11	11	51	60	B9 (B7, B8)	131.78	5	5	19.5	16
441	P14669	ANXA3_RAT	36568.67	5.96	Annexin A3	B7	309.8	13	13	42.9	13	B7	360.99	13	13	51.2	14	B7	62.06	4	4	13	4
442	O70377	SNP23_RAT	23505.47	4.82	Synaptosomal-associated protein 23	B8	525.25	11	8	45.2	14	B8 (B9)	313.06	10	9	51	14	B8	154.35	6	5	28.1	7
443	Q5EB77	RAB18_RAT	23246.75	5.11	Ras-related protein Rab-18	B9	202.89	7	7	36.9	7	B9	273.6	13	11	55.3	13	B9	321.58	13	11	60.7	14
444	Q5U211	SNX3_RAT	18807.78	8.71	Sorting nexin-3	B9 (B10, B1, B4,	209.68	13	13	58	43	B9	151.83	9	9	40.1	11	B9	131.74	8	8	35.8	9
445	P62718	RL18A_RAT	21004	10.73	60S ribosomal protein L18a	B9 (B6, B7, B3, B	132.64	11	10	50.6	39	B9 (B4, B7, B3, B	133.59	13	12	56.8	30	B9	111.86	11	10	50.6	12
446	P62963	PROF1_RAT	15118.58	8.46	Profilin-1	B10 (B9, B8, B2)	243.65	10	8	63.6	22	B10 (B9, B8)	283.85	11	9	72.1	22	B10	197.03	9	8	62.1	10
447	P04157	PTPRC_RAT	144775.65	5.6	Receptor-type tyrosine-protein phosphatase C							B2 (B1)	129.82	14	14	9.3	25						
448	P47860	K6PP_RAT	86634.81	6.95	6-phosphofructokinase type C	B4	211.92	11	11	15.1	11	B4	228.19	14	13	21.4	14						
449	Q66H28	TM206_RAT	40332.56	7.01	Transmembrane protein 206	B5 (B6, B3)	199.81	12	12	39.4	26	B5	77.94	10	9	25.1	11						
451	P19132	FRIH_RAT	21284.38	5.85	Ferritin heavy chain	B9	275.56	9	7	50.5	13	B9 (B2)	176.27	9	9	54.4	14	B9 (B2)	247.42	11	9	54.4	17
452	D3ZBB4	D3ZBB4_RAT	17569.14	9.2	Exportin 7, isoform CRA_a	B1 (B4, B3, B2)	241.42	9	9	62.3	31	B2 (B1, B4, B3)	275.91	9	9	62.3	31	B1 (B4, B3, B2)	301.01	11	11	73.5	37
453	D4A1H1	D4A1H1_RAT	26057.25	5.87	Putative uncharacterized protein Myh9	B3 (B1, B4, B2)	234.97	9	8	34.9	29	B3 (B1, B4, B2)	298.41	10	8	38.4	40	B3 (B1, B2)	131.16	8	7	34.5	18
454	Q62935	VWF_RAT	48394.18	6.27	von Willebrand factor (Fragment)	B1	249.82	11	11	32.8	13	B1	162.58	7	7	17.4	9	B1	74.03	5	5	12.1	5
455	D4AAM0	D4AAM0_RAT	106618.96	5.31	Putative uncharacterized protein Tnpo3													B3	171.73	12	12	18.9	13
456	Q63135	CRRY_RAT	63407.39	5.29	Complement regulatory protein Crry	B4 (B5)	170.38	12	11	22.7	20	B4 (B5)	204.34	12	10	21.6	22	B4	45.13	2	1	1.8	2
457	Q6P7B0	SYWC_RAT	54622.1	6.04	Tryptophanyl-tRNA synthetase, cytoplasmic	B6 (B5)	153.1	4	4	12.9	6	B6 (B5)	181.17	5	5	14.6	7	B6 (B5)	301.52	12	12	36.8	22
458	D4A1R8	D4A1R8_RAT	59604.65	5.39	Putative uncharacterized protein Rbm12	B5 (B4, B6, B3)	188.75	11	11	21.6	24	B5	134.85	12	11	20.3	13	B5	86.38	9	8	16.8	9
459	O08619	F13A_RAT	83119.61	5.4	Coagulation factor XIII A chain	B4	53.61	4	4	7.1	4	B4	198.46	12	12	17.8	13	B5	41.16	4	4	4.6	4
460	Q68FY0	QCR1_RAT	53499.66	5.57	Cytochrome b-c1 complex subunit 1, mitoch	B6	150.74	7	7	15.4	7	B6	244.43	12	12	27.3	13	B6	255.61	11	11	22.7	12
461	Q5XIR9	UBAC1_RAT	45746.16	4.85	Ubiquitin-associated domain-containing protein 1													B6	211.31	12	12	34	13
462	D3ZJU6	D3ZJU6_RAT	38056.15	6.67	Putative uncharacterized protein Hmbs	B6 (B1, B4, B7, B	150.22	9	9	26.5	23	B7 (B6, B3, B5)	141.28	7	7	27.6	21	B7 (B6)	174.12	12	12	36.3	24
463	P50503	F10A1_RAT	41424.43	5.28	Hsc70-interacting protein	B6 (B4, B7, B3, B	201.62	12	11	27.2	36	B6	72.5	6	6	16.6	7	B6	24.69	3	3	7.1	3
464	Q32Q05	OTU1_RAT	37949	5.61	Ubiquitin thioesterase OTU1	B7	49.33	1	1	3.5	1	B7	99.19	6	6	21.3	6	B7	219.1	12	12	45.8	13
465	B0BN81	B0BN81_RAT	23063.13	9.73	Ribosomal protein S5, isoform CRA_b	B9 (B1, B4, B6, B	194.86	12	12	49	20	B9 (B1, B7, B3, B	146.9	9	9	37.3	17	B9 (B7, B8)	143.46	6	6	28.9	9
466	P11348	DHPR_RAT	25763.97	7.67	Dihydropteridine reductase	B8	112.28	3	3	20.7	3							B8 (B9)	535.66	10	7	48.5	16
467	B5DEM5	B5DEM5_RAT	23879.33	11.12	Rpl14 protein (RCG25732, isoform CRA_b)	B8 (B4, B6, B7, B	149.44	9	9	32.9	44	B8 (B10, B1, B4,	160.78	10	9	34.2	61	B9 (B10, B8)	97.28	7	7	27.9	19
468	P47967	LEG5_RAT	16414.11	6.17	Galectin-5	B9	236.4	9	9	62.1	11	B9	281.86	11	10	81.4	12	B9 (B8)	272.78	9	8	53.1	15
469	D3ZPP2	D3ZPP2_RAT	21604.11	7.63	Putative uncharacterized protein Arl8a							B9	168.37	10	10	57.5	13	B9	181.48	7	7	46.2	9
470	P62914	RL11_RAT	20467.73	9.64	60S ribosomal protein L11	B9	150.32	10	9	42.7	11	B9	128.91	12	11	44.4	13	B9	98.65	8	7	35.4	8
471	P24368	PPIB_RAT	23844.56	9.5	Peptidyl-prolyl cis-trans isomerase B	B9	87.9	4	4	19.4	4	B9	176.69	13	11	49.1	13	B9	69.07	5	5	24.1	5
472	P61354	RL27_RAT	15787.75	10.56	60S ribosomal protein L27	B9 (B8)	73.87	10	9	55.9	22	B9	91.48	9	8	55.1	12	B9	51.89	6	6	44.1	6
473	P12749	RL26_RAT	17266.57	10.63	60S ribosomal protein L26	B9 (B7, B8)	138.51	11	10	45.5	43	B9 (B10, B7, B8)	154.15	11	11	53.1	28	B9	48.27	5	5	26.2	5
474	Q5FWU3	ATG9A_RAT	95397.44	6.17	Autophagy-related protein 9A	B1 (B3, B2)	155.45	12	10	13.1	25	B1 (B3, B2)	179.84	12	12	14.9	24						
475	P09811	PYGL_RAT	97877.18	6.75	Glycogen phosphorylase, liver form	B3	150.85	12	12	15.9	13	B3	96.46	6	6	8.8	6						
476	P27615	SCRB2_RAT	54512.52	4.91	Lysosome membrane protein 2	B4 (B3)	167.42	10	10	21.5	17	B3 (B4)	49.52	3	2	5.4	12						
477	Q5U3X5	Q5U3X5_RAT	48455.56	6.64	Fgl2 protein (Fragment)	B5	135.01	11	11	23.2	13	B5	50.11	6	6	13	7						
478	Q02874	H2AY_RAT	39650.45	9.79	Core histone macro-H2A.1	B6 (B7, B9, B8)	317.9	11	11	39.1	25	B6 (B7, B9, B8)	147.08	6	6	21.6	18						
479	Q63635	STX6_RAT	29095.79	4.77	Syntaxin-6	B7 (B8)	413.66	13	10	47.8	19	B7 (B8)	157.28	4	3	18	6						
480	P63081	VATL_RAT	15797.51	9.1	V-type proton ATPase 16 kDa proteolipid sul	B10	133.39	5	2	11.6	13	B10	96.88	4	1	11.6	9						
481	Q5EBB0	Q5EBB0_RAT	27955.93	4.78	Similar to 14-3-3 protein sigma	B2	153.21	11	11	39.5	13												
482	B5DFK1	B5DFK1_RAT	139926.4	7.52	Copa protein	B3 (B1, B4, B6, B	200.52	7	7	8.3	30	B1 (B2)	193.03	11	10	10.2	18	B2 (B1)	227.76	12	12	12.5	17
483	P11884	ALDH2_RAT	56965.85	6.63	Aldehyde dehydrogenase, mitochondrial	B6 (B3, B5)	193.68	11	11	31.8	16	B6 (B1, B3, B2, B	184.44	11	10	24.9	21	B6 (B1, B3, B5)	223.31	9	9	21.4	20
484	Q9ESW0	DDB1_RAT	128035.78	5.21	DNA damage-binding protein 1							B3	59.81	5	5	5.6	5	B3 (B2)	129.65	12	12	13.8	17
485	P56558	OGT1_RAT	116786.75	6.18	UDP-N-acetylglucosamine--peptide N-acetyl	B3	50.75	3	3	3.8	3	B1	43.41	1	1	1	1	B3 (B2)	219.36	12	12	14.4	15
486	Q5D008	Q5D008_RAT	90806.81	4.81	Tnpo1 protein (Fragment)													B3 (B4)	178.88	11	11	15.6	15

487	P23514	COPB_RAT	108083.11	5.66	Coatomer subunit beta	B3 (B1)	114	11	11	14.6	17	B3 (B1)	62.47	5	5	6.6	7	B3	152.73	7	7	9.1	7
488	O54902	NRAM2_RAT	62806.55	5.42	Natural resistance-associated macrophage p	B4 (B1, B3, B2, B	303.69	9	9	22.7	69	B5 (B1, B4, B3, B	187.04	7	7	12.9	46	B4 (B3, B5)	115.04	6	6	10.1	13
489	Q64599	Q64599_RAT	24873.8	7.86	Hemiferrin	B4	117.1	10	10	42.6	12	B4	190.59	10	10	42.1	11	B4	156.39	7	7	34.7	8
490	Q80W57	ABCG2_RAT	73427.1	9.21	ATP-binding cassette sub-family G member	B4 (B3, B2, B5)	153.68	10	10	17	25	B4 (B3, B2, B5)	105.7	7	6	11.3	19	B4	116.91	5	5	10.8	6
491	P47942	DPYL2_RAT	62637.74	5.95	Dihydropyrimidinase-related protein 2	B5	131.37	3	3	6.8	3							B5	262.15	12	12	33	12
492	B2RYG2	B2RYG2_RAT	74080.24	8.29	Pck2 protein (Fragment)	B5	234.86	12	12	23.8	12	B5	66.75	4	4	6.6	4	B5	74.14	4	4	9.5	4
493	Q8VIF7	SBP1_RAT	53068.67	6.1	Selenium-binding protein 1													B6 (B5)	164.16	12	12	32.8	21
494	P26453	BASI_RAT	42865.37	5.22	Basigin	B6 (B4, B3, B5)	263.02	10	9	24.7	27	B6 (B4, B5)	183.69	9	8	20.4	21	B6 (B5)	105.67	6	6	14.9	9
495	Q9JLJ3	AL9A1_RAT	54530.38	6.57	4-trimethylaminobutyraldehyde dehydrogena	B6	96.69	10	10	22.7	10	B6	72.66	5	5	13.8	5	B6 (B5)	212.62	11	9	24.9	19
496	P56574	IDHP_RAT	51391.06	8.88	Isocitrate dehydrogenase [NADP], mitochon	B6	234.27	10	10	22.3	12	B6	124.87	6	6	13.3	7	B6	100.82	5	5	9.5	5
497	Q64620	PPP6_RAT	35820.72	5.43	Serine/threonine-protein phosphatase 6 cata	B7 (B8)	91.72	8	8	24.6	11	B7	52.32	4	4	11.8	6	B7 (B8)	194.45	9	9	29.5	14
498	P12711	ADHX_RAT	40348.48	7.45	Alcohol dehydrogenase class-3													B7	104.82	11	11	34	12
499	P47727	CBR1_RAT	30844.05	8.22	Carbonyl reductase [NADPH] 1													B8 (B7)	301.44	12	12	53.8	17
500	Q9EQS0	TALDO_RAT	37607.51	6.57	Transaldolase	B7	141.94	12	12	30.6	12	B7	109.62	8	8	23.4	10	B7	62.09	5	5	15.4	6
501	D3ZU08	D3ZU08_RAT	34979.43	5.32	Putative uncharacterized protein Napg	B7	190.22	12	12	39.1	12	B7	179.7	9	9	31.7	9	B7	53.01	3	3	8.7	3
502	P48004	PSA7_RAT	28479.96	8.8	Proteasome subunit alpha type-7	B8	54.55	3	3	12.2	3	B8	65.78	6	6	20.9	6	B8	136.85	10	10	38.2	12
503	Q5I0E7	Q5I0E7_RAT	27182.07	8.39	Transmembrane emp24 protein transport do	B8 (B9)	125.75	7	7	23.4	10	B8 (B9)	200.31	11	10	43.8	16	B8	132.45	3	2	11.5	3
504	D3ZRM9	D3ZRM9_RAT	24301.41	11.42	60S ribosomal protein L13	B8 (B6, B7, B9)	141.97	11	10	40.8	28	B8 (B10, B9)	120.84	9	8	36	19	B8 (B9)	47.41	6	6	29.4	10
505	P05712	RAB2A_RAT	23691.76	6.08	Ras-related protein Rab-2A	B9	153.62	6	6	31.6	6	B9	278.27	11	10	53.3	12	B9	201.38	9	8	43.9	10
506	Q63524	TMED2_RAT	22832.39	5.08	Transmembrane emp24 domain-containing p	B9	256.94	7	5	27.4	9	B9	357.68	10	7	36.3	12	B9	198.07	8	6	29.9	9
507	P00406	COX2_RAT	26096.14	4.6	Cytochrome c oxidase subunit 2	B9	123.34	6	4	17.6	6	B9	265.14	10	6	30.8	12	B9	185.35	7	4	18.9	7
508	Q6RUV5	RAC1_RAT	21835.39	8.77	Ras-related C3 botulinum toxin substrate 1	B9	143.03	9	7	34.9	10	B9	95.26	10	8	35.9	12	B9	142.53	9	8	43.8	12
509	Q63716	PRDX1_RAT	22323.41	8.27	Peroxiredoxin-1	B9	65.04	4	4	19.1	4	B9	89.78	7	7	32.2	7	B9	139.04	11	10	55.3	12
510	D3ZM33	D3ZM33_RAT	17787.9	10.99	Putative uncharacterized protein ENSRNOP	B9 (B10)	194.26	12	11	55.3	21	B9 (B10)	170.23	10	9	49.3	18	B9	114.14	9	9	53.3	9
511	P36972	APT_RAT	19761.48	6.17	Adenine phosphoribosyltransferase	B9	139.94	9	9	46.7	12	B9	124.16	9	9	56.7	11	B9	107.48	7	7	40.6	8
512	Q642E2	Q642E2_RAT	15780.68	12.02	Ribosomal protein L28	B9 (B6, B7, B8)	86.09	11	9	55.5	31	B9	62.24	10	9	54.7	10	B9	47.82	6	6	37.2	6
513	D3ZUA5	D3ZUA5_RAT	302906.5	6.02	Putative uncharacterized protein ENSRNOP	B1 (B2)	221.74	11	11	6.1	16	B1	73.52	4	4	1.7	6						
514	P56603	SCAM1_RAT	38372.97	7.62	Secretory carrier-associated membrane prot	B7 (B1, B4, B6, B	210.6	10	9	32.8	37	B7 (B1, B6, B9, B	155.57	5	4	14.2	18						
515	Q4G075	ILEUA_RAT	42870.82	5.92	Leukocyte elastase inhibitor A	B5 (B4, B6, B7)	211.87	10	9	29.3	25	B5 (B6, B7)	199.54	10	9	26.9	28						
516	O35828	CORO7_RAT	49499.19	5.46	Coronin-7 (Fragment)	B3	184.91	10	10	32.5	12												
517	D3ZLS5	D3ZLS5_RAT	291874.96	5.21	Putative uncharacterized protein Hectd1													B1	77.05	11	11	5.2	11
518	D3ZQ93	D3ZQ93_RAT	34830.41	7.56	Putative uncharacterized protein Scamp3	B7 (B1, B4, B6, B	341.79	9	9	39	65	B6 (B1, B4, B7, B	295.58	7	7	31.7	54	B7 (B1, B6, B2)	197.34	6	6	28.6	12
519	P30823	CTR1_RAT	68135.21	5.73	High affinity cationic amino acid transporter	B4 (B1, B6, B3, B	250.81	10	8	15.1	33	B4 (B1, B6, B3, B	311.03	9	6	14.1	31	B4 (B1, B3, B2, B	150.47	5	5	9.5	20
520	D4AEH9	D4AEH9_RAT	176729.13	6.28	Amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (Glycogen debranching enzyme, glycogen storage disease type III) (Predicted), isoform CRA_a													B2	103.04	11	11	9	11
521	Q6MG08	ABCF1_RAT	95649.24	6.27	ATP-binding cassette sub-family F member 1							B3 (B1, B8)	80.66	5	5	8.2	9	B3 (B4, B5)	158.46	11	11	21.6	13
522	B5DEG6	B5DEG6_RAT	46166.73	6.05	Gart protein													B3	121.73	11	11	31.4	11
523	Q9QWJ9	NRP1_RAT	104271.2	5.71	Neuropilin-1	B1 (B3, B2)	341.78	11	11	16.7	29	B2 (B1, B3)	313.51	6	6	11.6	17	B3	91.96	3	3	4.4	3
524	P18292	THRB_RAT	71792.22	6.28	Prothrombin	B4 (B1, B7, B3, B	191.23	9	8	12.3	22	B4 (B7, B3)	184.81	9	8	10.7	14	B4 (B7, B3)	250.45	9	8	11.7	27
525	D3ZLM5	D3ZLM5_RAT	79254.42	5.28	NHL repeat containing 2 (Predicted)													B4	87.57	11	11	20.6	11
526	Q10743	ADA10_RAT	62400.9	8.44	Disintegrin and metalloproteinase domain-co	B6 (B4, B9, B3, B	226.09	8	7	17.1	34	B6 (B4, B9, B5)	191.42	8	7	17.1	30	B5 (B4)	42.08	3	3	6.6	6
527	P04785	PDIA1_RAT	57314.83	4.82	Protein disulfide-isomerase	B2 (B5)	42.34	4	4	7.1	7	B5	108.32	11	11	24.4	11	B5	67.06	1	1	5.9	1
528	P70633	P70633_RAT	46323.48	7.77	Urea transporter	B6 (B1, B4, B7, B	69.07	9	5	11.1	39	B6 (B7, B3, B8, B	127.47	8	6	13	32	B6 (B7, B8, B5)	87.27	7	6	13	18
529	P12368	KAP2_RAT	45796.85	4.81	cAMP-dependent protein kinase type II-alpha regulatory subunit													B6	278.39	8	7	22.2	11
530	B2RYP1	B2RYP1_RAT	36961.62	5.1	Proteasome (Prosome, macropain) 26S sub	B6	76.31	5	5	20.6	6	B6	78.97	5	5	16.1	5	B6	253.06	10	9	39.7	11
531	Q5RKH2	Q5RKH2_RAT	42805.65	5.24	Galactokinase 1	B7	95.91	4	4	10.2	4	B7	103.35	5	5	16.3	5	B7 (B6)	363.51	11	11	28.1	20
532	D4AEP0	D4AEP0_RAT	50452.81	5.98	Adenylosuccinate synthetase	B6	59.86	3	3	7	3							B6	200.67	10	10	28.5	11
533	Q4V8K5	BROX_RAT	46675.74	7.58	BRO1 domain-containing protein BROX	B6 (B3)	116.01	11	11	26.8	13	B6 (B3)	110.32	8	8	21.2	10	B6	34.83	4	4	11.2	4
534	P06214	HEM2_RAT	36464.56	6.32	Delta-aminolevulinic acid dehydratase	B7	105.3	6	6	18.8	6	B7	176.56	9	9	46.1	9	B7	253.31	11	11	35.8	11
535	B2RYG6	OTUB1_RAT	31478.49	4.85	Ubiquitin thioesterase OTUB1													B7 (B8)	181.59	10	10	35.8	13
536	D3ZZU8	D3ZZU8_RAT	35294.76	8.26	Putative uncharacterized protein Fn3k	B7	82.28	2	2	10.7	3	B7	82.2	2	2	8.1	2	B7	139.47	10	9	33	11
537	P81155	VDAC2_RAT	32352.86	7.44	Voltage-dependent anion-selective channel p	B7 (B8)	230.79	9	9	36.3	17	B7 (B8)	249.35	9	9	41.4	17	B7	111.49	4	4	19.3	4
538	B2GUZ5	CAZA1_RAT	33060.4	5.43	F-actin-capping protein subunit alpha-1	B7	73.69	10	10	37.1	11	B7	86.57	9	9	30.1	10	B7	63.94	8	8	25.2	9
539	Q6P791	CK059_RAT	17823.83	4.88	RhoA activator C11orf59 homolog	B9 (B10, B1, B6,	183.46	7	7	50.3	26	B9 (B10, B1, B6,	197.5	7	7	50.3	20	B9 (B7)	154.94	7	7	50.3	10
540	B2GV73	B2GV73_RAT	20750.42	8.78	Actin related protein 2/3 complex, subunit 3	B9	137.35	8	6	30.9	10	B9	135.07	8	6	31.5	10	B9 (B7)	215.84	8	6	34.3	12
541	Q5M7U4	Q5M7U4_RAT	20353.07	5.95	Putative uncharacterized protein RGD13079	B8	63.31	3	3	18.8	3	B8	87.07	4	4	24.3	4	B8 (B9)	178.24	8	7	45.9	14
542	D3ZLA1	D3ZLA1_RAT	26735.04	9.37	Putative uncharacterized protein ENSRNOP	B8 (B6, B7, B9, B	320.39	9	8	41.4	26	B8 (B6, B7)	286.87	10	9	45.9	17	B8	127.16	6	6	33.2	6
543	Q9JI51	VTI1A_RAT	26026.61	6.07	Vesicle transport through interaction with t-S	B8 (B9)	59.91	10	9	24.1	16	B8 (B9)	72.65	7	7	22.3	12	B8 (B9)	47.31	5	5	18.8	7
544	P84100	RL19_RAT	23565.29	11.48	60S ribosomal protein L19	B8 (B4, B6, B7, B	179.27	9	8	28.1	26	B8 (B7, B9)	135.4	8	7	29.1	12	B8	34.71	3	3	12.2	3
545	P62832	RL23_RAT	14970.1	10.51	60S ribosomal protein L23	B9	238.07	8	6	39.3	11	B9	175.23	6	5	39.3	7	B9	124.76	6	5	39.3	6
546	Q99P75	RAB9A_RAT	23166.32	5.43	Ras-related protein Rab-9A	B9 (B8)	202.79	9	9	50.7	13	B9 (B8)	255.02	9	9	50.7	13	B9	76.64	3	3	20.4	3
547	P62845	RS15_RAT	17029.17	10.39	40S ribosomal protein S15	B9	69	9	8	46.2	11	B9	34.89	5	5	26.2	7	B9	49.03	4	4	25.5	5
548	Q9WUF4	VAMP8_RAT	11370.12	8.93	Vesicle-associated membrane protein 8	B10 (B1, B4, B6,	195.89	6	5	41	39	B10 (B7, B9, B8)	145.33	5	4	31	15	B10	80.08	3	3	31	3
549	P38650	DYHC1_RAT	534652.87	6.06	Cytoplasmic dynein 1 heavy chain 1	B1	78.89	11	11	2.6	11	B1	60.23	5	5	1.2	5						
550	Q6QMG5	Q6QMG5_RAT	145250.57	8.56	Multidrug resistance-associated protein 4 sp	B2 (B1)	168.41	7	7	6.7	14	B2 (B1)	129.83	10	10	7.7	12						
551	O09014	S15A4_RAT	62592.81	9.32	Solute carrier family 15 member 4	B5 (B4)	64.34	7	7	14	14	B5 (B4)	160.82	10	10	19.9	16						
552	O89046	COR1B_RAT	54438.24	5.65	Coronin-1B	B5	105.17	10	10	17.8	11	B5	35.85	4	4	7.6	4						
553	Q9R066	CXAR_RAT	40493.38	6.94	Coxsackievirus and adenovirus receptor hon	B6 (B5)	248.13	11	11	33.7	17	B6	127.7	7	7	22.7	9						
554	D4A4T0	D4A4T0_RAT	35320.47	5.64	Putative uncharacterized protein Stub1	B7 (B6)	148.76	10	10	32.9	13	B7	55.02	5	5	14.8	5						
555	P07151	B2MG_RAT	13825.17	7.79	Beta-2-microglobulin	B10	309.67	8	7	34.5	11	B10	130.1	5	4	26.1	7						
556	Q6P0K8	PLAK_RAT	82490.06	5.75	Junction plakoglobin	B2	241.95	9	9	15.4	11												
557	P62142	PP1B_RAT	37960.93	5.84	Serine/threonine-protein phosphatase PP1-b	B7 (B6)	172.9	9	9	28.5	19	B7	125.2	5	5	16.7	9	B7	247	9	9	32.1	20
558	P51111	HD_RAT	347478.19	5.91	Huntingtin													B1	104.42	10	10	3.9	10
559	O88902	PTN23_RAT	163978.64	6.33	Tyrosine-protein phosphatase non-receptor type 23 (Fragment)							B1	113.11	10	9	7.3	10	B1	99.83	7	7	5.7	7
560	D3ZHP6	D3ZHP6_RAT	156802.96	5.98	Condensin complex subunit 1	B2	69.16	4	4	3.4	4	B1	40.98	2	2	1.8	2	B2 (B1)	220.88	10	10	9.6	17
561	Q5XI78	ODO1_RAT	117418.87	6.3	2-oxoglutarate dehydrogenase, mitochondria	B3	77.64	5	5	5.8	6	B3 (B1)	142.3	8	8	8.5	16	B3 (B1, B2)	82.8	6	6	6	15
562	P97629	LCAP_RAT	117640.07	5.35	Leucyl-cystinyl aminopeptidase	B2 (B1)	278.38	10	10	13.1	11	B2	222.16	9	9	12.3	9	B2	70.37	1	1	1.5	1
563	Q9Z0V6	PRDX3_RAT	28562.57	7.14	Thioredoxin-dependent peroxide reductase,	B9 (B10, B1, B4,	231.26	8	7	40.1	36	B9 (B1, B4, B6, B	160.6	7	6	35	33	B9 (B6, B7, B8, B	164.34	7	7	35.4	19
564	D4A2D7	D4A2D7_RAT	120500.87	4.91	Putative uncharacterized protein Ipo4													B3	76.8	9	9	10.3	10
565	D3ZD97	D3ZD97_RAT	91717.49	7.12	DEAH (Asp-Glu-Ala-His) box polypeptide 15	B4 (B3)	198.85	10	10	12.6	13	B3 (B1, B4)	62.86	2	2	2.6	6	B3 (B4)	74.15	1	1	1.5	2
566	B4F767	B4F767_RAT	99286.26	6.77	WW domain containing E3 ubiquitin protein	B3 (B1, B2)	110.86	8	8	9.4	25	B3 (B1, B2)	69.66	6	6	6.2	14	B3	39.57	3	3	3	3
567	Q64428	ECHA_RAT	83296.8	9.16	Trifunctional enzyme subunit alpha, mitocho	B4	144.03	5	5	11.4	6	B4	271.57	9	8	15.2	10	B4	189.55	6	6	12.2	7

568	Q63185	E2AK1_RAT	70125.63	5.76	Eukaryotic translation initiation factor 2-alpha kinase 1												B4 (B5)	166.31	10	10	17.6	14
569	Q641Y8	DDX1_RAT	83414.16	6.81	ATP-dependent RNA helicase DDX1	B4	57.9	2	2	3.8	2							B4	100.28	10	10	17.3	10
570	D4A1U9	D4A1U9_RAT	35434.93	8.78	Putative uncharacterized protein Cd47	B6 (B4, B7, B3, B	218.06	8	7	19.9	36	B5 (B1, B4, B6, B	218.27	7	6	17.8	29	B6 (B4, B5)	174.81	7	6	18.1	16
571	D4ABA4	D4ABA4_RAT	71139.07	8.03	Transporter	B3 (B1, B4, B7, B	100.95	9	9	13.9	37	B3 (B1, B4, B2)	110.12	8	8	12.9	28	B4	39.63	1	1	1.9	1
572	O02953	O02953_RAT	39364.36	5.22	MHC class I alpha chain (Fragment)	B2	209.38	10	10	28	10	B1 (B8, B2)	184.21	7	7	19.2	16	B5 (B7)	183.93	6	6	17	12
573	D3ZUV3	D3ZUV3_RAT	64851.99	8.99	Eukaryotic translation initiation factor 2A, isoform CRA_b													B5	124.42	9	9	21.9	10
574	Q5XIC1	GMPPA_RAT	46504.22	6.95	Mannose-1-phosphate guanyltransferase alp	B6	50.14	3	3	8.1	3							B6	216.97	9	9	24.5	10
575	Q5U2Z3	NP1L4_RAT	44117.54	4.58	Nucleosome assembly protein 1-like 4													B6	168.18	7	7	24.1	10
576	P17764	THIL_RAT	45008.55	8.92	Acetyl-CoA acetyltransferase, mitochondrial	B6	256.83	9	8	27.4	10	B6	209.64	7	6	21.2	8	B6	152.9	5	4	15.3	6
577	Q63377	AT1B3_RAT	32151.28	8.08	Sodium/potassium-transporting ATPase sub	B6 (B1, B7, B3, B	177.29	9	9	35.1	28	B7 (B6)	197.12	8	8	33	17	B6 (B7)	128.52	7	7	28.3	12
578	P48508	GSH0_RAT	30870.7	5.36	Glutamate--cysteine ligase regulatory subun	B8 (B7)	92.16	5	5	21.9	9	B8 (B7)	62.03	5	5	19.7	7	B8 (B6, B7)	180.02	7	7	30.7	22
579	B0BNN0	B0BNN0_RAT	31085.57	6.14	Tsta3 protein	B7	185.08	5	5	22.3	5	B7	49.35	2	2	8.6	2	B7	213.06	10	9	38.5	10
580	B4F7A9	B4F7A9_RAT	41346.18	8.64	Casein kinase 2, alpha prime polypeptide	B7	139.39	9	9	23.7	9	B7	143.76	9	9	24	9	B7	155.56	9	9	26.6	10
581	O88989	MDHC_RAT	36631.11	6.16	Malate dehydrogenase, cytoplasmic	B7	78.67	5	5	15.9	5	B7	82.87	7	7	28.1	7	B7 (B8)	127.35	9	9	25.7	15
582	O35952	GLO2_RAT	34543.68	7.64	Hydroxyacylglutathione hydrolase, mitochon	B8	118.45	4	4	15.2	4	B8 (B7)	100.94	4	4	17.8	8	B8 (B7)	242.07	8	7	30.7	12
583	Q6P503	Q6P503_RAT	28291.32	9.44	ATPase, H+ transporting, V1 subunit D, isof	B8	237.4	9	9	28.3	10	B8	223.1	8	8	25.1	9	B8	161.95	7	7	28.7	7
584	D3ZW55	D3ZW55_RAT	22255.23	5.48	Inosine triphosphatase (Nucleoside triphosphate pyrophosphatase) (Mapped), isoform CRA_a													B8	126.78	9	9	48.5	10
585	D4A0Z1	D4A0Z1_RAT	31365.88	6.09	Putative uncharacterized protein Tspan14	B8 (B9)	109.52	9	9	30	15	B7 (B9, B8)	97.23	2	2	10.4	10	B8	31.63	3	3	13.3	3
586	Q63584	TMEDA_RAT	25012.91	6.02	Transmembrane emp24 domain-containing p	B9	176.08	5	5	26.9	5	B9	272.46	7	6	26.9	9	B9	320.96	8	7	34.7	10
587	P84817	FIS1_RAT	17040.97	8.56	Mitochondrial fission 1 protein	B9 (B10)	178.4	5	5	34.9	8	B9 (B10, B7)	244.12	9	9	48	17	B9	277.54	9	8	48	9
588	B2RZ72	B2RZ72_RAT	19768.35	8.53	Actin related protein 2/3 complex, subunit 4	B9	108.14	8	8	39.9	8	B9	145.21	9	9	42.9	9	B9	148.7	9	9	42.3	10
589	B2RZ78	VPS29_RAT	20626.71	6.29	Vacuolar protein sorting-associated protein 2	B9	124.18	8	8	52.2	10	B9	116.93	8	8	51.1	9	B9	127.48	8	8	43.4	9
590	Q5U1Y2	Q5U1Y2_RAT	21826.23	7.52	Ras-related C3 botulinum toxin substrate 2 (	B9 (B1)	70.88	6	6	30.2	8	B9 (B4, B7)	65.36	7	7	34.9	14	B9	102.94	7	7	43.2	9
591	B2RYN3	B2RYN3_RAT	19887.39	7.89	Eukaryotic translation elongation factor 1 eps	B9	85.91	4	4	23	4	B9	96.08	5	5	29.9	6	B9	84.27	7	7	32.8	10
592	B5DEL9	B5DEL9_RAT	22113.26	10.09	RCG62292, isoform CRA_a	B9	46.54	5	5	18.6	5	B9 (B8)	94.88	10	10	46.9	13	B9	76.98	5	5	27.8	5
593	P50116	S10A9_RAT	13307.48	7.05	Protein S100-A9	B10 (B4, B6, B7,	119.73	7	7	42.5	39	B8 (B10, B1, B4,	110.65	3	3	21.2	50	B10	67.17	3	3	28.3	5
594	Q62884	Q62884_RAT	135161.42	5.37	Vascular protein tyrosine phosphatase 1							B1	222.14	9	9	8.9	10						
595	B4F795	CTL2_RAT	81326.08	9.06	Choline transporter-like protein 2							B4 (B5)	141.09	8	8	12.9	16						
596	Q07014	LYN_RAT	59078.77	6.7	Tyrosine-protein kinase Lyn	B6	123.86	10	10	21.5	10	B6	38.09	3	3	6.6	3						
597	Q3T1K5	CAZA2_RAT	33117.68	5.57	F-actin-capping protein subunit alpha-2	B7	101.82	8	8	24.8	9	B7	82.54	9	9	26.2	10						
598	P62912	RL32_RAT	15963.85	11.32	60S ribosomal protein L32	B9 (B7)	150.44	9	7	44.4	14	B9	106.98	7	7	51.1	7						
600	D7NIW0	D7NIW0_RAT	111767.75	5.76	Nedd4l	B1 (B2)	84.29	10	10	9.9	16												
601	Q9JMJ4	PRP19_RAT	55660.56	6.14	Pre-mRNA-processing factor 19	B5	65.37	10	10	24.8	10												
602	Q5BJR3	Q5BJR3_RAT	31490.21	5.38	Iars protein (Fragment)	B2	99.23	3	3	17.8	3	B2	138.09	5	5	27.3	6	B2 (B1)	250.11	8	7	37.4	13
603	Q66HJ7	Q66HJ7_RAT	90996.54	6.3	Ptpra protein	B2 (B1)	116.05	5	5	8.7	8	B2 (B1)	120.88	8	8	13.7	12	B2 (B1)	87.72	4	4	5.9	5
604	D3Z905	D3Z905_RAT	134433.78	6.26	Putative uncharacterized protein Sec31a	B1	21.91	3	3	2.8	4							B2	82.07	8	7	5.7	9
605	Q9WTQ2	PODXL_RAT	52025.87	4.78	Podocalyxin	B2 (B1)	136.14	7	7	16.7	11	B2	77.75	6	6	10.7	7	B2	74.4	5	5	10.5	5
606	Q7TNK7	RHAG_RAT	49258.02	6.64	Ammonium transporter Rh type A	B3 (B1, B4, B2, B	127.9	6	5	23.3	23	B3 (B5)	96.13	5	5	23.3	10	B3 (B4, B2, B5)	121.81	6	5	23.3	24
607	P35444	COMP_RAT	85233.69	4.48	Cartilage oligomeric matrix protein	B3	38.53	2	2	3.4	2							B3 (B4)	158.65	8	8	10.9	11
608	D3ZER6	D3ZER6_RAT	105557.01	4.88	Putative uncharacterized protein Tnpo2													B3	98.77	8	8	9.5	9
609	P13838	LEUK_RAT	38402.31	4.92	Leukosialin (Fragment)	B3 (B1, B4, B2)	180.42	7	7	20.9	14	B3 (B4, B2)	90.19	5	5	17.7	11	B3	76.82	2	2	9.5	3
610	D3Z9C5	D3Z9C5_RAT	67923.39	4.8	Putative uncharacterized protein Cd44	B4 (B3)	169.82	8	8	12.9	15	B4 (B3)	138.94	8	7	13.1	13	B3 (B4)	51.67	1	1	1.9	4
611	B5DFC3	B5DFC3_RAT	87018.72	6.64	SEC23A (S. cerevisiae) (Predicted)	B4	96.43	5	5	7.7	5	B4	230.84	9	8	13.2	9	B4	132.63	5	5	8.1	5
612	P61980	HNRPK_RAT	51229.51	5.39	Heterogeneous nuclear ribonucleoprotein K	B2 (B5)	54.97	2	2	4.8	6	B5	64.18	4	4	11.4	4	B5 (B6, B7)	180.08	8	8	22.5	14
613	Q07205	IF5_RAT	49379.88	5.36	Eukaryotic translation initiation factor 5	B5	38.65	2	2	5.6	2	B5	94.17	2	2	8.4	2	B5 (B6)	157.36	8	7	17.2	14
614	P35433	PUR1_RAT	58198.71	6.72	Amidophosphoribosyltransferase													B5	68.52	8	8	15.3	9
615	Q5U2Q7	ERF1_RAT	49228.24	5.51	Eukaryotic peptide chain release factor subunit 1							B6	67.65	2	2	5.3	2	B6	256.91	9	9	24.5	9
616	Q91Y81	SEPT2_RAT	41737.4	6.15	Septin-2	B6	87	2	2	8.9	2							B6 (B7)	239.96	8	8	36.6	11
617	Q6NYB8	Q6NYB8_RAT	47598.33	5.63	Ifi47 protein	B6	35.63	3	3	7.9	3	B6	59.06	4	4	9	4	B6	211.09	9	9	25	9
618	Q63081	PDIA6_RAT	48542.46	5	Protein disulfide-isomerase A6	B6	145.68	5	5	15	5	B6 (B2)	180.96	8	8	22.3	10	B6	127.95	6	6	20	6
619	D4A746	D4A746_RAT	40389.79	6.27	GDP-mannose pyrophosphorylase B (Predicted), isoform CRA_a													B7 (B6)	153.56	7	7	20.8	17
620	Q32Q06	AP1M1_RAT	48697.11	6.82	AP-1 complex subunit mu-1	B6	86.02	6	6	15.6	7	B6	105.22	7	7	17.3	8	B6	89.88	8	8	24.3	9
621	Q4KM33	PLEK_RAT	40312.61	8.52	Pleckstrin	B6	102.43	8	8	26	8	B6	80.08	9	9	21.7	9	B6	64.83	2	2	5.7	2
622	Q5HZE4	MTNA_RAT	39847.58	5.7	Methylthioribose-1-phosphate isomerase	B7	42.81	1	1	3.5	1							B7 (B6)	124.22	9	8	26.3	12
623	Q568Z6	IST1_RAT	40087.67	5.3	IST1 homolog	B6 (B8)	87.65	8	8	18	11	B6	45.63	6	6	14.8	7	B6	47.41	4	4	10.4	4
624	Q4KM69	Q4KM69_RAT	37782.8	6.1	COP9 (Constitutive photomorphogenic) homolog, subunit 5 (Arabidopsis thaliana)													B7	246.15	8	8	29.9	9
625	Q8CFN2	CDC42_RAT	21587.15	6.15	Cell division control protein 42 homolog	B9 (B6, B8)	83.08	5	5	31.4	12	B9 (B7)	107.02	7	7	44	13	B9 (B7)	108.62	5	5	31.4	14
626	Q9Z0V5	PRDX4_RAT	31216.16	6.18	Peroxiredoxin-4	B8	95.74	4	4	19.8	4	B8	103	8	8	33.7	9	B8	165.53	8	8	36.6	9
627	D3ZG43	D3ZG43_RAT	30378.68	7.07	NADH dehydrogenase (Ubiquinone) Fe-S pro	B8	57.05	5	5	19.3	5	B8	76.37	8	8	30.3	9	B8	144.43	8	8	31.4	9
628	Q9JJM7	GP1BB_RAT	22674.22	10.17	Platelet glycoprotein Ib beta chain	B8 (B9)	93.06	4	4	22.8	10	B8 (B9)	88.85	6	6	29.1	16	B9 (B8)	82.77	6	6	29.1	13
629	P63322	RALA_RAT	23709.02	6.66	Ras-related protein Ral-A	B8 (B9)	88.63	6	5	24.3	11	B8 (B9)	78.69	6	6	31.6	11	B8	71.91	6	6	30.6	7
630	Q05982	NDKA_RAT	17295.85	5.96	Nucleoside diphosphate kinase A	B9	110.63	5	4	34.9	6							B9	206.98	6	5	40.8	9
631	Q4KM73	KCY_RAT	22383.32	5.66	UMP-CMP kinase							B9	120.64	5	4	23	5	B9	182.41	9	7	44.4	9
632	P83868	TEBP_RAT	18994.53	4.36	Prostaglandin E synthase 3	B9	82.18	4	4	23.8	4	B9	110.71	5	5	36.9	6	B9	150.15	6	6	34.4	9
633	P10888	COX41_RAT	19559.09	9.45	Cytochrome c oxidase subunit 4 isoform 1, n	B9	38.14	3	3	17.8	3	B10 (B9)	84.91	4	4	26.6	11	B9	102.76	8	8	47.3	9
634	Q9JHW5	VAMP7_RAT	25101.98	8.71	Vesicle-associated membrane protein 7	B9 (B1, B7, B3, B	142.07	8	7	38.6	14	B9 (B1, B8)	154.57	9	8	41.8	12	B9	79.9	2	2	9.5	2
635	P14942	GSTA4_RAT	25550.47	6.77	Glutathione S-transferase alpha-4													B9	49.38	7	7	27.9	9
636	D3ZDF0	D3ZDF0_RAT	41256.66	7.05	Putative uncharacterized protein Nptn	B4 (B3, B5)	186.08	8	8	21.9	17	B4 (B3, B5)	132.61	8	8	21.9	18						
637	D3ZZE9	D3ZZE9_RAT	70614.65	7.14	Putative uncharacterized protein Abcb9	B5 (B1, B2)	213.84	9	9	17.9	19	B5 (B6)	102.56	5	5	11.6	7						
638	P51799	CLCN7_RAT	89187.31	6.82	H(+)/Cl(-) exchange transporter 7	B5 (B1)	102.47	7	6	8.1	12	B5	44.2	9	9	11	9						
639	Q99M64	P4K2A_RAT	54726.85	8.28	Phosphatidylinositol 4-kinase type 2-alpha	B6	79.33	4	4	7.5	4	B6 (B5)	129.78	9	9	18.6	14						
640	Q5QJC9	BAG5_RAT	51568.75	5.84	BAG family molecular chaperone regulator 5	B6 (B1, B3, B5)	172.29	8	8	21.3	19	B6	46.42	2	2	4.9	3						
641	D3ZBN0	D3ZBN0_RAT	22635.49	10.97	Putative uncharacterized protein Hist1h1b	B7	145.38	8	7	25.7	9	B7	127.94	7	6	25.2	7						
642	Q9R1T3	CATZ_RAT	34856.66	6.74	Cathepsin Z	B7 (B6, B8)	204.5	8	8	33	14	B7	127.53	4	4	21.9	4						
643	Q5U305	ERD22_RAT	24609.08	8.86	ER lumen protein retaining receptor 2							B9	130.4	7	6	28.8	9						
644	P21708	MK03_RAT	43395.26	6.15	Mitogen-activated protein kinase 3	B6	152.56	9	9	28.7	9												
645	Q4G002	Q4G002_RAT	42890.63	5.48	Histocompatibility 2, T region locus 24	B6	56.58	4	4	12.6	9												
646	D3ZPN7	D3ZPN7_RAT	18723.18	10.56	Putative uncharacterized protein ENSRNOP	B9 (B6, B7, B3, B	114.04	7	6	36.9	27	B9 (B10, B6, B7,	107.81	6	6	31.3	21	B8 (B9)	57.75	5	5	26.5	9
647	D4A5B4	D4A5B4_RAT	139932.47	5.73	Putative uncharacterized protein Mphosph8													B1	154.73	8	8	7.5	8
648	P41542	USO1_RAT	108122.12	4.87	General vesicular transport factor p115													B1 (B3)	131.25	7	7	7.7	14
649	Q7TSP2	KIF15_RAT	160581.75	5.52	Kinesin-like protein KIF15													B1 (B2)	120.19	8	8	6.1	10

650	Q2PQA9	KINH_RAT	110203.98	6.06	Kinesin-1 heavy chain							B1	56.63	3	3	3.6	4	B1 (B3)	102.88	8	8	9.1	13
651	P06238	A2MG_RAT	165107.12	5.9	Alpha-2-macroglobulin	B2 (B1)	75.82	3	3	2.3	6	B2 (B1)	107.61	4	3	2.3	9	B2 (B1, B3)	98.54	5	4	3.1	18
652	O88298	RHD_RAT	46951.5	9.19	Blood group Rh(D) polypeptide	B3 (B1, B4, B6, B	77.44	3	3	13.3	24	B7 (B1, B4, B6, B	105.69	4	3	13.3	30	B8 (B1, B4, B6, B	174.35	6	5	15.2	23
653	Q9JLZ1	GLRX3_RAT	38110.53	5.51	Glutaredoxin-3	B6 (B1, B4, B7, B	103.54	3	3	12.2	10	B7 (B1, B6, B3, B	86.16	3	3	13.4	14	B7 (B1, B4, B6, B	176.58	6	6	22.3	28
654	D3ZZB4	D3ZZB4_RAT	157886.55	6.31	Putative uncharacterized protein Atp7b	B1	137.97	8	8	6.7	8	B1 (B4, B3, B2)	143.8	8	8	6.7	21	B1	41.04	2	2	1.4	2
655	Q63644	ROCK1_RAT	160495.98	5.72	Rho-associated protein kinase 1													B2	55.61	8	8	4.7	8
656	Q6P6W1	Q6P6W1_RAT	45571.26	8.02	Lysosomal membrane glycoprotein 2	B3 (B2)	66.54	5	5	13.4	9	B3	83.59	7	7	17.5	8	B3	72.57	4	4	11.7	4
657	D3ZWW8	D3ZWW8_RAT	44571.04	5.95	Putative uncharacterized protein Enpp4	B3 (B4)	97.11	5	5	19.7	14	B4 (B3)	78.16	4	4	11	9	B4	61.37	3	3	9.5	3
658	Q66H80	COPD_RAT	57619.36	5.89	Coatomer subunit delta	B5	78.76	6	6	12.3	6	B5	141.15	5	5	11	5	B5	119.01	7	7	14.1	8
659	Q8K1Q0	NMT1_RAT	57166.08	8.04	Glycylpeptide N-tetradecanoyltransferase 1	B5 (B6)	142.38	8	8	18.1	15							B6 (B5)	109.77	4	4	9.5	7
660	P51583	PUR6_RAT	47807.35	7.87	Multifunctional protein ADE2	B6	43.58	3	3	6.8	3	B6	46.3	4	4	9.9	4	B6	239.66	8	8	21.2	8
661	Q6AY20	MPRD_RAT	31588.63	5.25	Cation-dependent mannose-6-phosphate re	B6	153.01	7	7	25.2	8	B6 (B5)	240.07	6	6	22.7	11	B6	204.06	5	5	19.8	7
662	P00507	AATM_RAT	47683.25	9.13	Aspartate aminotransferase, mitochondrial	B6	137.79	4	4	13	4	B6	202.13	8	8	20.2	8	B6 (B7)	201.99	7	7	17.2	10
663	B0BNB5	B0BNB5_RAT	42350.41	5.19	LOC683983 protein													B6	123.29	8	8	26.2	8
664	O35824	DNJA2_RAT	46363.8	6.06	DnaJ homolog subfamily A member 2	B6	72.43	7	6	14.1	8	B6	68.1	4	4	10	5	B6	96.41	5	5	11.9	7
665	Q5RK09	EIF3G_RAT	35914.02	5.69	Eukaryotic translation initiation factor 3 subu	B6	38.2	1	1	2.8	1	B6	38.56	1	1	2.8	1	B6	78.71	7	7	24.4	8
666	Q07647	GTR3_RAT	54002.12	4.95	Solute carrier family 2, facilitated glucose transporter member 3							B4 (B6, B5)	135.79	5	5	11.4	19	B6	65.27	2	2	5.5	2
667	O55158	O55158_RAT	26212.45	5.64	D6.1A protein	B7 (B6, B9, B3, B	183.16	7	6	26.4	30	B7 (B6, B9, B8)	110.3	5	5	23	23	B7 (B6, B9, B8)	86.23	7	6	26.4	19
668	P80385	AAKG1_RAT	37533.74	6.47	5'-AMP-activated protein kinase subunit gam	B7	36.22	2	2	8.8	2	B7	68.8	1	1	5.8	1	B7	132.62	8	8	28.8	8
669	P35435	ATPG_RAT	30228.74	8.87	ATP synthase subunit gamma, mitochondria	B8	58.49	4	4	15	4	B7 (B8)	133.71	7	7	26.7	15	B7 (B8)	110.04	6	6	21.6	13
670	B2RYM5	BRCC3_RAT	33450.87	5.84	Lys-63-specific deubiquitinase BRCC36													B7	109.71	7	7	25.1	8
671	Q5PPP1	Q5PPP1_RAT	23608.39	4.43	Clathrin, light polypeptide (Lca), isoform CRA	B7	92.46	5	5	22	5	B7 (B10, B9)	120.39	5	5	22	9	B8 (B7, B9)	107.05	4	4	22	18
672	D3ZUM8	D3ZUM8_RAT	37895.16	5.24	Putative uncharacterized protein Uchl5													B7	89.32	7	7	23.7	8
673	Q7TP02	Q7TP02_RAT	31826.55	9.27	Da2-35							B9	49.43	1	1	3.6	1	B8 (B9)	198.43	7	7	28.4	16
674	P48500	TPIS_RAT	27344.94	6.89	Triosephosphate isomerase	B8 (B2)	106.96	5	5	24.9	6	B8	100.98	5	5	28.5	7	B8	118.37	7	7	38.6	8
675	P20788	UCRI_RAT	29712.34	9.04	Cytochrome b-c1 complex subunit Rieske, m	B8	59.22	7	7	21.9	7	B8	69.83	8	8	21.9	8	B8	87.17	8	8	21.9	8
676	P55053	FABP5_RAT	15334.64	6.73	Fatty acid-binding protein, epidermal	B9 (B2)	64.77	3	3	26.7	4	B9 (B10)	80.23	4	4	34.8	6	B9	231.97	6	6	43.7	8
677	P62332	ARF6_RAT	20183.48	9.04	ADP-ribosylation factor 6	B9	133.42	4	4	30.3	4	B9	155.87	5	4	21.7	5	B9	153.11	7	6	40	8
678	Q6AY18	Q6AY18_RAT	22498.54	6.21	SAR1 gene homolog A (S. cerevisiae), isofo	B9	68.53	2	2	11.6	2	B9	123.38	4	4	33.3	4	B9	113.47	7	6	32.8	8
679	P62278	RS13_RAT	17211.67	10.53	40S ribosomal protein S13	B9	122.08	4	4	25.2	6	B9	126.5	4	4	25.2	5	B9	97.48	7	7	51	8
680	P36970	GPX41_RAT	22838.07	8.74	Phospholipid hydroperoxide glutathione peroxidase, mitochondrial							B9	65.44	2	2	11.7	2	B9	81.16	8	7	31.5	8
681	Q9EQX9	UBE2N_RAT	17169.98	6.13	Ubiquitin-conjugating enzyme E2 N	B10 (B9)	51.62	5	4	28.9	9	B9 (B10)	79.84	8	7	53.3	13	B9 (B10)	79.43	6	5	35.5	8
682	Q3T1J1	IF5A1_RAT	17049.49	5.08	Eukaryotic translation initiation factor 5A-1							B9	62.75	7	6	32.5	8	B9	75.38	6	5	27.3	8
683	B1WBM0	B1WBM0_RAT	25768.09	6.93	CD9 molecule	B9 (B10)	84.28	4	4	15.5	14	B9 (B10)	104.44	7	7	31.4	15	B9	68.45	4	4	13.3	6
684	P62268	RS23_RAT	15968.78	10.5	40S ribosomal protein S23	B9 (B10, B7)	115.59	6	6	34.3	15	B9 (B10)	104.39	6	6	34.3	13	B9	59.54	3	3	16.1	3
685	D3ZF07	D3ZF07_RAT	16691.1	10.99	Putative uncharacterized protein RGD15624	B7 (B6, B8)	51.05	6	6	31.8	12	B9 (B6)	41.12	7	7	35.1	12	B9	27.43	2	2	14.9	2
686	Q6P6V0	G6PI_RAT	62958.19	7.38	Glucose-6-phosphate isomerase	B5	171.79	5	4	10.9	7	B5 (B6)	167.48	6	5	10.4	12						
687	Q6IRF8	Q6IRF8_RAT	51185.24	5.27	ATPase, H+ transporting, lysosomal access	B4 (B5)	64.11	4	4	6.3	13	B5	44.75	5	5	7.6	6						
688	D3ZUD8	D3ZUD8_RAT	68241.13	6.83	Putative uncharacterized protein Tm9sf3	B6	41.8	7	7	11.2	8	B6	22.73	7	7	9.2	7						
689	P08753	GNAI3_RAT	41066.46	5.5	Guanine nucleotide-binding protein G(k) subunit alpha							B7	227.9	8	7	22.9	8						
690	Q6PDU1	SFRS2_RAT	25461.18	11.86	Splicing factor, arginine/serine-rich 2	B7	89.79	6	5	20.2	8	B7	67.27	7	6	22.6	8						
691	Q5XIE8	ITM2B_RAT	30807.52	5.14	Integral membrane protein 2B	B7 (B10, B6, B9,	180.65	8	8	38.3	16	B7	23.59	3	3	14.7	3						
692	Q62931	GOSR1_RAT	28629.57	9.34	Golgi SNAP receptor complex member 1	B8 (B9)	59.18	4	4	14.4	6	B8 (B9)	137.93	8	8	31.2	10						
693	Q99P74	RB27B_RAT	24832.36	5.38	Ras-related protein Rab-27B	B8	57.83	2	2	11.9	2	B8 (B9)	116.65	8	7	35.8	10						
694	P83732	RL24_RAT	17881.94	11.26	60S ribosomal protein L24	B8 (B6, B7, B9)	177.11	6	5	30.6	17	B9 (B10, B8)	112.98	7	6	37.6	12						
695	Q569A6	ERD21_RAT	24758.06	8.8	ER lumen protein retaining receptor 1	B9 (B10)	97.4	6	5	17	11	B9 (B10)	165.71	6	5	25	11						
696	P19804	NDKB_RAT	17385.94	6.92	Nucleoside diphosphate kinase B							B9	142.02	6	5	39.5	8						
697	D3ZZN4	D3ZZN4_RAT	12728.86	11.05	Putative uncharacterized protein ENSRNOP	B9 (B10)	50.93	6	6	44.5	14	B10 (B9)	47.16	7	7	45.5	10						
699	Q6AXV0	Q6AXV0_RAT	57663.73	8.82	Polynucleotide kinase 3'-phosphatase	B5 (B6)	208.41	8	7	19.7	12												
700	B6DTP5	B6DTP5_RAT	69581.88	9.01	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	B5	88.68	8	8	11.2	8												
701	D3ZJF9	D3ZJF9_RAT	48439.91	5.46	Galactosidase, alpha (Mapped), isoform CRA	B6	155.54	7	7	20.7	8												
702	Q6PEC5	Q6PEC5_RAT	17198.8	9.1	Putative uncharacterized protein (Fragment)	B9	60.6	2	2	14.9	2	B9	108.47	5	5	35.6	7	B9	156.04	5	5	39	6
703	Q5U3Y1	Q5U3Y1_RAT	7833.7	6.78	Xpo7 protein (Fragment)	B3 (B1)	60.56	3	3	55.2	6	B3 (B1)	61.36	2	2	29.9	5	B3 (B1, B2)	97.62	5	4	58.2	16
704	P02770	ALBU_RAT	70681.83	6.09	Serum albumin	B5 (B1, B4, B3, B	151.95	6	6	11	17	B5 (B1, B4, B2)	102.01	3	3	4.9	13	B4 (B3, B2, B5)	99.48	3	3	6.4	19
705	D3ZQI6	D3ZQI6_RAT	131305.73	5	Putative uncharacterized protein Xpo4													B3 (B2)	56.17	7	7	6.9	13
706	Q8K3F0	Q8K3F0_RAT	58818	5.95	Na+-dependent amino acid transporter ASC	B4 (B3, B2, B5)	154.07	5	5	13.2	25	B4 (B2, B5)	176.17	5	5	13.2	17	B4 (B3)	155.79	5	5	9.1	10
707	Q80VJ4	GPCP1_RAT	77246.69	5.43	Putative glycerophosphocholine phosphodiesterase GPCPD1													B4 (B3)	80.55	7	7	10	9
708	Q64350	EI2BE_RAT	80897.75	4.9	Translation initiation factor eIF-2B subunit epsilon													B4	117.14	6	6	9.1	7
709	D4A181	D4A181_RAT	80231.31	7.07	Putative uncharacterized protein Mettl13	B4	59.01	4	4	7	4							B4	77.82	7	6	9.2	7
710	D4ADE8	D4ADE8_RAT	73499.2	6.73	Putative uncharacterized protein Ddx3x	B4 (B6, B5)	136.85	6	6	11.9	12	B5 (B1, B4, B6, B	66.7	3	3	5.7	13	B4	71.27	2	2	3.6	2
711	B2RYN6	B2RYN6_RAT	92147.45	6.36	Adaptor-related protein complex 1, gamma 1	B4 (B1, B3, B2, B	150.35	5	5	7.8	14	B4 (B1, B3, B2, B	134.53	6	6	6.9	14	B4	49.4	2	2	2.3	3
712	B5DEN5	B5DEN5_RAT	24831.35	4.55	Eukaryotic translation elongation factor 1 bet	B8	71.43	2	2	14.7	2	B8	86.18	2	2	14.7	2	B8 (B4, B7)	142.38	7	7	31.6	12
713	Q6XQN1	PNCB_RAT	59040.84	5.86	Nicotinate phosphoribosyltransferase	B5 (B6)	68.92	7	7	15.2	10	B6	42.53	2	2	3.9	2	B5	111.13	6	6	14.1	6
714	Q6P7R0	Q6P7R0_RAT	32771.6	8.08	Coro1b protein													B5	66.55	7	7	19.6	7
715	Q68FS2	CSN4_RAT	46545.8	5.6	COP9 signalosome complex subunit 4													B6	201.78	7	6	19.7	7
716	Q5XHZ9	TRP13_RAT	48745.62	5.74	Thyroid receptor-interacting protein 13	B6	41.98	1	1	3	1							B6	158.29	7	7	22	7
717	O09171	BHMT1_RAT	45403.99	8.02	Betaine--homocysteine S-methyltransferase 1													B6	138.32	7	7	24.3	7
718	P10760	SAHH_RAT	48020.42	6.07	Adenosylhomocysteinase	B6	49.34	4	4	10	4	B6	50.98	6	6	14.4	6	B6	131.22	7	7	17.4	7
719	Q4QQS7	Q4QQS7_RAT	52858.6	6.06	Uridine monophosphate synthetase	B6	133.41	2	2	6.4	2							B6	105.03	7	7	17.3	7
720	B1WC26	B1WC26_RAT	40481.6	6.39	N-acetylneuraminic acid synthase	B6 (B7)	129.69	7	7	24.8	10	B6	42.83	1	1	4.2	1	B7 (B6)	64.97	2	2	7	3
721	Q6IRE4	TS101_RAT	44220.64	6.28	Tumor susceptibility gene 101 protein	B6	69.68	3	3	10.2	3	B6	83.69	7	7	18.9	7	B6	54.23	3	3	8.7	3
722	D3ZI16	D3ZI16_RAT	37963.09	5.75	COP9 (Constitutive photomorphogenic) hom	B7	72.15	2	2	6.1	2	B7	47.06	2	2	6.7	2	B7	164.18	6	6	23.5	7
723	Q920J4	TXNL1_RAT	32627.9	4.84	Thioredoxin-like protein 1	B7	77.63	3	3	11.4	3							B7	155.16	6	6	27.3	7
724	P63074	IF4E_RAT	25265.57	5.79	Eukaryotic translation initiation factor 4E	B8	101.15	4	4	18.4	5	B8	104.73	3	3	15.2	4	B8 (B7)	125.95	6	6	28.6	12
725	P42123	LDHB_RAT	36874.17	5.7	L-lactate dehydrogenase B chain													B7	97.8	6	6	16.2	7
726	P63086	MK01_RAT	41648.33	6.5	Mitogen-activated protein kinase 1	B7	111.78	6	5	14.8	7	B7	99.09	4	4	12	4	B7	80.89	3	3	12	3
727	A0JPL2	A0JPL2_RAT	39117.97	9.59	Csnk1a1 protein	B7	95.66	7	7	22.3	7							B7	66.17	6	6	17.8	6
728	Q91Y78	UCHL3_RAT	26278.1	5.01	Ubiquitin carboxyl-terminal hydrolase isozyme L3													B8 (B9)	180.7	7	7	41.7	10
729	Q3KRD8	Q3KRD8_RAT	27067.39	4.63	Eukaryotic translation initiation factor 6													B8	171.85	6	6	40.8	7
730	D3Z967	D3Z967_RAT	32284.41	6.85	Putative uncharacterized protein RGD15609	B8 (B6, B9)	128.28	5	5	21.9	10	B8 (B7, B9)	123.49	5	5	19.8	9	B8	132.35	4	4	16.3	6
731	A0JPK2	A0JPK2_RAT	19752.11	8.93	Proteasome subunit alpha type	B8	67.45	3	3	19.5	3							B8	120.15	6	6	41.4	7

732	D3ZFQ8	D3ZFQ8_RAT	35640.06	9.33	Cytochrome c-1 (Predicted), isoform CRA_c							B8	101.67	7	6	22.7	7	B8	73.18	5	5	18.7	6
733	Q9R010	CIB1_RAT	21957.94	4.62	Calcium and integrin-binding protein 1	B9	102.07	6	6	28.8	6	B9	198.86	7	7	40.3	7	B9	155.44	7	7	37.7	7
734	P28075	PSB5_RAT	28738.28	6.52	Proteasome subunit beta type-5							B9	56.64	2	2	9.9	2	B9	142.74	6	5	21.3	7
735	P19511	AT5F1_RAT	28964.52	9.39	ATP synthase subunit b, mitochondrial	B9	51.33	2	2	7.8	2	B9	127.05	7	7	30.9	7	B9	77.35	4	4	14.1	4
736	B5DEP1	B5DEP1_RAT	21743.73	5.36	Pdcd6 protein	B9	116.62	7	7	46	7	B9	97.52	6	6	39.7	6	B9	77.08	5	5	28.6	5
737	B0BMV8	B0BMV8_RAT	21681.26	6.77	Dihydrofolate reductase	B9	63.53	6	6	28.9	6	B9	49.08	6	6	25.7	7	B9	76.88	7	7	37.4	7
738	P62744	AP2S1_RAT	17177.76	5.82	AP-2 complex subunit sigma	B10	33.92	4	4	25.4	4	B10	44.95	3	3	16.9	3	B10	109.11	6	5	35.9	7
739	A2VCW5	S38A5_RAT	53141.71	7.92	Sodium-coupled neutral amino acid transpor	B7 (B1, B4, B6, B	67.91	6	5	11.9	34	B2 (B1, B4, B6, B	78.28	5	5	11.9	41						
740	Q3T1L6	Q3T1L6_RAT	128821.88	5.76	Integrin alpha L							B2	58.58	7	7	5.9	7						
741	Q5YB86	Q5YB86_RAT	98425.96	6.35	Itch E3 ubiquitin ligase	B3 (B1, B4, B5)	142.99	7	7	9.7	14	B3	74.98	4	4	4.7	4						
742	D3ZEH5	D3ZEH5_RAT	111268.87	9.05	Putative uncharacterized protein Sidt2	B3 (B1, B4, B2, B	120.93	7	7	8.8	19	B3 (B4)	62.61	5	5	4.7	9						
743	Q4KM50	Q4KM50_RAT	80624.82	8.59	Sema4b protein (Fragment)	B3 (B1)	71.89	6	6	11.3	11	B3	45.06	2	2	2.6	2						
744	P38659	PDIA4_RAT	73016.83	4.98	Protein disulfide-isomerase A4							B4	42.56	7	7	10	7						
745	P10252	CD48_RAT	27890.29	7.67	CD48 antigen	B6	113.62	6	6	25	7	B6	59.17	5	5	20.8	6						
746	B0BNG3	B0BNG3_RAT	40709.33	6.46	Lman2 protein	B7	141.04	7	7	21.2	7	B7	129.45	4	4	16.2	4						
747	Q62905	Q62905_RAT	55442.51	5.68	Vitronectin	B6 (B10, B4, B7,	125.39	7	7	19.5	20	B7	43.83	1	1	3.8	1						
748	Q6P9U5	Q6P9U5_RAT	22021.86	10	Ribosomal protein L9	B9 (B8)	91.14	4	4	21.4	11	B9 (B8)	138.19	6	6	28.6	13						
749	P13832	MRLCA_RAT	19939.54	4.67	Myosin regulatory light chain RLC-A	B9 (B2)	168.73	6	5	33.7	8	B9	107.54	3	2	16.3	3						
750	Q63189	PRG2_RAT	25569.46	5.78	Bone marrow proteoglycan	B9	46.07	3	3	10.6	3	B10 (B9)	64.12	7	7	22	11						
751	B5DES0	B5DES0_RAT	13632.27	9.92	Small nuclear ribonucleoprotein D2 (RCG54	B9	118.01	7	5	39	7	B9	24.21	2	2	16.9	2						
752	Q6AYQ1	GOGA7_RAT	15996.1	6.59	Golgin subfamily A member 7	B10	104	7	5	36.5	7	B10	71.25	5	4	28.5	5						
753	Q9EQG6	KDIS_RAT	197247.2	6.26	Kinase D-interacting substrate of 220 kDa	B1	41.37	6	6	3.6	7												
754	Q4QQR7	Q4QQR7_RAT	70105.69	5.69	Dsp protein (Fragment)	B2	63.55	7	7	12.4	7												
755	D3ZFH5	D3ZFH5_RAT	106826.64	7.37	Putative uncharacterized protein ENSRNOP	B5 (B1, B4, B3, B	63.3	4	4	5.7	9	B4 (B3, B5)	78.71	2	2	2.7	4	B1 (B4, B3, B2, B	109.9	4	4	4.7	23
756	P42346	MTOR_RAT	290662.4	6.73	Serine/threonine-protein kinase mTOR													B1	99.92	6	6	2.9	6
757	Q80W92	VAC14_RAT	89094.97	5.75	Protein VAC14 homolog	B4	75.34	6	6	9.3	6	B4 (B3)	64.64	4	4	4.9	6	B4 (B3, B2)	70.04	5	5	7.8	8
758	D3ZWX0	D3ZWX0_RAT	133197.16	8.18	Putative uncharacterized protein Iqgap1	B2 (B1)	92.13	3	3	3.3	8							B2	40.76	3	3	3	3
759	Q6IN14	Q6IN14_RAT	30081.06	5.29	CD82 antigen, isoform CRA_a	B6 (B1, B4, B7, B	152.96	4	4	15.4	28	B5 (B1, B4, B6, B	131.15	4	4	15.4	23	B6 (B4, B3, B5)	138.27	3	3	12	15
760	B2GUV7	IF2P_RAT	138001.3	5.45	Eukaryotic translation initiation factor 5B							B2 (B1)	43.48	1	1	0.9	3	B3 (B4)	62.95	5	5	4.6	10
761	P14408	FUMH_RAT	54714.15	9.06	Fumarate hydratase, mitochondrial	B3	37.87	2	2	4.9	2	B6 (B3)	92.53	5	5	10.3	7	B3	56.74	2	2	4.9	2
762	D3ZV02	D3ZV02_RAT	278984.45	5.39	Putative uncharacterized protein Pde4dip													B3	38.82	6	6	1.8	6
763	O70196	PPCE_RAT	81659.3	5.59	Prolyl endopeptidase	B4 (B5)	48.42	2	2	3	4	B5	44.28	2	2	3	2	B5 (B4)	154.54	6	6	8.6	11
764	Q9JJ31	CUL5_RAT	91402.56	8.08	Cullin-5													B4	133.25	6	6	8.2	6
765	A9CMA5	A9CMA5_RAT	41019.33	8.63	Decay accelarating factor 1 (Fragment)	B4	91.26	3	3	8.5	5	B4 (B5)	90.85	3	3	8.5	7	B4	83.79	3	3	8.5	4
766	Q9ES54	NPL4_RAT	68982.35	6.04	Nuclear protein localization protein 4 homolog													B4 (B5)	70.94	3	3	4.8	9
767	D3ZYT1	D3ZYT1_RAT	52716.42	5.43	Ubiquitin carboxyl-terminal hydrolase	B5	45.98	1	1	3.1	1	B5	51.24	4	4	7.9	4	B5	73.66	6	6	11.1	6
768	B2RZ97	B2RZ97_RAT	42463.08	5.48	LOC684322 protein	B6	70.15	1	1	4.5	1							B6 (B5)	249.75	5	4	13.4	7
769	D3ZF34	D3ZF34_RAT	62861.42	7.18	Putative uncharacterized protein Syncrip	B5	110.3	6	6	10.9	6	B5	73.33	4	4	7.7	4	B5	49.46	2	2	4.1	2
770	Q6AYT3	CV028_RAT	55727.06	6.77	UPF0027 protein C22orf28 homolog	B5	44.24	6	6	14.7	6							B5	31.4	4	4	9.9	4
771	Q4QR73	Q4QR73_RAT	62521.53	8.71	DnaJ (Hsp40) homolog, subfamily A, membe	B6	94.72	4	4	7.4	4	B6	70.71	5	5	13.2	5	B6	80.95	4	4	7.2	6
772	D3ZP76	D3ZP76_RAT	53505.1	5.23	Putative uncharacterized protein Ttyh3	B5 (B1, B4, B6, B	160.62	5	5	11.9	24	B5 (B6, B3)	115.65	2	2	6.3	5	B6	64.28	1	1	2.9	1
773	P61203	CSN2_RAT	51849.16	5.36	COP9 signalosome complex subunit 2													B6	60.09	5	5	12.9	6
774	Q923U9	S40A1_RAT	63286.53	5.64	Solute carrier family 40 member 1	B6 (B7)	53.32	3	3	6.3	8	B7 (B10, B6)	81.27	5	4	7.5	11	B6 (B7)	54.14	4	4	7.5	6
775	Q6P6R2	DLDH_RAT	54574.28	7.96	Dihydrolipoyl dehydrogenase, mitochondrial	B6	48.98	3	3	9.4	3	B6	146.69	4	4	11	6	B6	37.56	3	2	5.9	3
776	Q793F9	VPS4A_RAT	49161.16	7.64	Vacuolar protein sorting-associated protein 4	B6	34.71	5	5	10.3	6	B6	31.4	6	6	13.5	6	B6	32.94	6	6	12.6	6
777	P49432	ODPB_RAT	39299.16	6.2	Pyruvate dehydrogenase E1 component sub	B7	97.95	2	2	8.9	2	B7	92.93	6	6	20.3	6	B7	144.04	6	5	18.7	6
778	P27274	CD59_RAT	14465.24	8.9	CD59 glycoprotein	B9 (B7, B8)	120.53	5	5	34.1	16	B7 (B9, B8)	101.7	4	4	30.2	14	B9 (B7, B8)	121.17	5	5	34.1	15
779	Q99NA5	IDH3A_RAT	40044.21	6.47	Isocitrate dehydrogenase [NAD] subunit alph	B7	95.03	4	4	10.7	4	B7	68.28	4	4	13.7	4	B7	108.63	6	6	19.7	6
780	Q6MG90	Q6MG90_RAT	193602.9	6.62	Complement component 4, gene 2	B7	94.99	4	4	2.6	4	B7	77.12	2	2	1.5	2	B7	105.2	5	5	2.8	6
781	P07943	ALDR_RAT	36230.44	6.26	Aldose reductase							B7	45.79	2	2	7	2	B7	98.35	6	6	18.7	6
782	Q6P7Q6	Q6P7Q6_RAT	36716.33	8.82	Lectin, galactoside-binding, soluble, 9	B7	91.03	5	5	16.5	6	B7	149.73	6	6	23	6	B7	89.63	2	2	7.8	2
783	D4A482	D4A482_RAT	53407.61	8.52	Putative uncharacterized protein RGD15617	B7 (B6)	112.67	4	4	10.7	8	B7	110.79	5	5	10.7	6	B7	81.38	4	4	10.7	4
784	D3ZTX0	D3ZTX0_RAT	25861.86	6.43	Putative uncharacterized protein Tmed7	B7 (B8)	70.4	3	3	15.5	7	B8 (B7)	75.33	3	3	15.5	9	B8 (B7)	82.27	3	3	13.7	7
785	Q6AYS2	Q6AYS2_RAT	35850.36	9.22	Sideroflexin 1	B7	50.28	3	3	11.8	3	B7	89.06	6	6	26.4	6	B7	62.08	2	2	8.7	2
786	B5DER7	B5DER7_RAT	42646.35	9.83	Ndufa9 protein (RCG30092)	B7	40.89	3	3	9	3	B7	123.22	5	5	17.5	6	B7	61.95	1	1	3.4	1
787	Q9QX69	LANC1_RAT	45951.76	7.57	LanC-like protein 1	B7	42.89	1	1	3	1							B7	61.15	6	6	14.5	6
788	P60901	PSA6_RAT	27837.98	6.34	Proteasome subunit alpha type-6	B8	62.62	1	1	5.3	1	B8	100.24	4	4	17.5	4	B8	140.78	5	5	22.4	6
789	D3ZAR8	D3ZAR8_RAT	27468.81	5.86	OTU domain, ubiquitin aldehyde binding 2 (Predicted), isoform CRA_a							B8	55.75	1	1	5.6	1	B8	73.35	6	6	23.9	6
790	P62856	RS26_RAT	13292.19	11.01	40S ribosomal protein S26	B9 (B10, B6, B7,	92.92	5	5	41.7	19	B9 (B10, B1, B6,	107.28	5	5	41.7	24	B9 (B10, B8)	85.99	4	4	31.3	8
791	Q6MG61	CLIC1_RAT	27305.89	5.09	Chloride intracellular channel protein 1	B8 (B7, B9)	115.43	6	6	25.7	10	B8	93.25	5	5	24.9	5	B8	59.22	3	3	14.9	3
792	P97700	M2OM_RAT	34392.97	9.89	Mitochondrial 2-oxoglutarate/malate carrier p	B8	55.22	2	2	6.7	2	B8	108.4	6	6	21.7	6	B8	46.28	3	3	8.6	3
793	Q9WTV5	PSMD9_RAT	24984.66	6.4	26S proteasome non-ATPase regulatory subunit 9													B8	41.24	5	5	24.8	6
794	P62870	ELOB_RAT	13218.67	4.87	Transcription elongation factor B polypeptide 2							B9	37.59	3	3	24.6	3	B9	187.68	6	6	50	6
795	D3ZFA8	D3ZFA8_RAT	15515.3	9.79	Putative uncharacterized protein ENSRNOP	B9	100.75	5	5	43	5	B9	92.36	6	5	43	6	B9	125.01	6	5	43	6
796	D3ZTC2	D3ZTC2_RAT	17831.43	4.64	Putative uncharacterized protein Rnf11l	B9 (B1, B4, B7, B	128.12	4	4	32.5	17	B9	116.99	4	4	32.5	4	B9	70.72	3	3	18.2	3
797	P63326	RS10_RAT	18903.82	10.15	40S ribosomal protein S10	B9	110.72	5	5	31.5	6	B9	101.28	5	5	30.9	6	B9	66.75	4	4	24	5
798	D3ZX87	D3ZX87_RAT	14310.72	10.22	Putative uncharacterized protein ENSRNOP	B9 (B10)	93.91	6	5	38.7	8	B9 (B10)	94.73	5	5	38.7	7	B9	62.6	3	3	23.4	3
799	Q32PX6	Q32PX6_RAT	21751.1	8.41	Ras homolog gene family, member G	B9 (B7)	177.44	6	6	41.4	8	B9	110.55	5	5	35.1	5	B9	55.18	4	4	29.8	4
800	P17078	RL35_RAT	14543.62	11.05	60S ribosomal protein L35	B9	66.25	6	6	35.8	6	B9	49.19	3	3	26	3	B9	31.22	3	3	18.7	3
801	Q9Z1P2	ACTN1_RAT	103465.79	5.23	Alpha-actinin-1	B2 (B3)	110.96	3	3	3.8	6	B3 (B1, B2)	170.93	6	6	7.2	10						
802	Q4KLL4	TM9S4_RAT	75424.29	6.65	Transmembrane 9 superfamily member 4	B6	44.81	5	5	10.6	6	B3	49.05	1	1	2.2	1						
803	Q7TPI9	Q7TPI9_RAT	67190.99	6.85	Ac2-248							B4	48.98	5	5	7.4	6						
804	P0C1S9	DGLB_RAT	75149.02	6.21	Sn1-specific diacylglycerol lipase beta	B5	40.33	1	1	1.9	1	B5	95.63	5	5	9.1	6						
805	Q4V8Q2	Q4V8Q2_RAT	58285.71	5.29	Serine peptidase inhibitor, Kunitz type 1	B5	73.46	5	5	12	5	B5	76.29	6	6	14	6						
806	Q6P7A7	Q6P7A7_RAT	68472.68	6.05	Ribophorin I							B5	76.26	6	6	12	6						
807	P19357	GTR4_RAT	55088.49	6.86	Solute carrier family 2, facilitated glucose tra	B6	173.11	5	5	9.2	6	B6	77.94	2	2	4.5	3						
808	B5DF99	B5DF99_RAT	25639.28	5.34	Stx16 protein (Fragment)	B7 (B1, B4, B6, B	227.71	6	5	25.3	16	B7	184.02	5	5	27.1	6						
809	D4A5L2	D4A5L2_RAT	38735.28	8.87	Putative uncharacterized protein ENSRNOP	B7	185.27	6	6	22.4	6	B7	27.7	3	3	9.7	3						
810	A2RRU2	A2RRU2_RAT	26183.38	6.23	RCG26229, isoform CRA_a	B8	134.8	5	5	22.7	6	B8	59.88	3	3	11.8	4						
811	D3ZYI0	D3ZYI0_RAT	27734.06	4.8	Putative uncharacterized protein Gca	B9 (B7, B8)	123.87	5	4	14.8	11	B9	82.43	5	5	17.6	6						
812	P61515	RL37A_RAT	10496.56	10.44	60S ribosomal protein L37a	B10 (B9)	132.35	5	5	45.7	10	B10 (B9)	107.99	4	4	44.6	9						

813	P70709	ECP_RAT	18565.18	9.8	Eosinophil cationic protein							B9	73.52	5	5	36.8	6						
814	Q71KM5	Q71KM5_RAT	19536.25	8.67	CRAMP (Fragment)	B9 (B10)	159.33	5	5	34.5	11	B10 (B9)	96.46	3	3	24	8						
815	D3ZTH8	D3ZTH8_RAT	17742.14	10.38	Putative uncharacterized protein 686564	B9	94.23	5	5	34.6	6	B9 (B10)	57.94	5	5	34.6	8						
816	B2RYQ8	B2RYQ8_RAT	12717.92	10.59	Large subunit ribosomal protein L36a, isofor	B9 (B8)	53.15	6	6	31.1	9	B9	30.31	4	4	26.4	4						
818	P62246	RS15A_RAT	14944.01	10.14	40S ribosomal protein S15a	B10	97.36	6	6	39.2	6	B10	102.69	6	6	39.2	6						
819	B5DFK9	B5DFK9_RAT	142556.58	6.52	Gcn1l1 protein (Fragment)	B1	157.88	5	5	6	6												
820	D3Z8V4	D3Z8V4_RAT	127377.2	6.25	NCK associated protein 1 like (Predicted)	B3 (B1, B2)	95.6	6	6	6	11												
821	Q498T9	LRC8C_RAT	93372.46	7.97	Leucine-rich repeat-containing protein 8C	B3 (B1)	76.54	6	6	9	9												
822	Q9R141	S22A4_RAT	62834.71	6.48	Solute carrier family 22 member 4	B5 (B3)	46.78	5	5	7.2	10												
823	B4F7C2	B4F7C2_RAT	50010.07	4.78	RCG45085	B4	97.4	6	6	21.4	6												
824	D3ZUR2	D3ZUR2_RAT	23194.91	8.5	Putative uncharacterized protein Tmem9b	B7 (B6, B8, B5)	86.04	4	4	19.6	17												
825	D3ZBQ7	D3ZBQ7_RAT	12135.65	8.4	Putative uncharacterized protein Ecop	B8 (B7)	106.68	4	3	43.9	7												
826	D3ZZ95	D3ZZ95_RAT	12459.03	11.67	60S ribosomal protein L36	B9 (B8)	82.72	5	3	25.5	7												
827	Q80T18	GMFG_RAT	16939.59	5.56	Glia maturation factor gamma	B9	63.89	6	5	24.6	6												
828	Q63041	A1M_RAT	168387.92	6.46	Alpha-1-macroglobulin													B2 (B1)	84.84	5	5	2.9	9
829	D4A929	D4A929_RAT	214179.43	5.52	Putative uncharacterized protein RGD1311334_predicted													B1	48.47	4	4	2.3	5
830	D3ZBS2	D3ZBS2_RAT	99531.93	5.9	Putative uncharacterized protein Itih3	B4	37.63	2	2	2.1	2							B3 (B1, B4, B2)	48.11	3	3	2.6	15
831	Q32PX5	Q32PX5_RAT	49898.56	6.73	Smc4 protein	B2	58.13	2	2	4.8	2							B2	115.61	4	4	11.5	5
832	D3ZBT9	D3ZBT9_RAT	63580.57	5.71	Putative uncharacterized protein ENSRNOP00000062399													B3	48.1	5	5	10.2	5
833	Q6QI45	Q6QI45_RAT	142443.5	8.61	LRRGT00163													B3	35.53	5	5	4.1	5
834	Q920L2	DHSA_RAT	72596.05	6.75	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial							B5	83.96	5	5	9.6	5	B5	94.4	4	4	7.2	4
835	Q6P6T4	EMAL2_RAT	71578.52	5.85	Echinoderm microtubule-associated protein-like 2													B5	56.28	5	5	9.7	5
836	P20611	PPAL_RAT	48744.61	6.16	Lysosomal acid phosphatase	B5 (B3, B2)	86.46	4	4	9.5	9	B5 (B3, B2)	95.13	3	3	8	7	B5	43.86	1	1	2.8	1
837	B0BN63	B0BN63_RAT	38365.31	5.41	LOC681996 protein	B6	41.51	1	1	6.5	1							B6 (B7, B5)	113.79	5	5	18.9	8
838	P20673	ARLY_RAT	51745.35	5.99	Argininosuccinate lyase	B6	171.71	5	5	14.1	5							B6	115.01	4	4	11.7	4
839	D3ZGP5	D3ZGP5_RAT	44888.43	6.26	Putative uncharacterized protein Tardbp							B6	49.99	1	1	2.9	1	B6 (B7)	99.98	5	5	12.3	9
840	Q794E4	HNRPF_RAT	46043.04	5.31	Heterogeneous nuclear ribonucleoprotein F	B2 (B6)	68.76	2	2	7.5	3	B6	45.45	1	1	4.1	1	B6	90.27	5	5	15.7	5
841	Q68FW9	CSN3_RAT	48398.21	6.19	COP9 signalosome complex subunit 3	B6 (B7)	57.25	2	2	6.4	3	B6 (B7)	52.87	1	1	2.8	2	B6 (B7)	89.76	5	5	10.6	7
842	Q4QQV4	Q4QQV4_RAT	57780.25	5.87	Dead end homolog 1 (Zebrafish)													B6	73.63	5	5	10.2	5
843	P09606	GLNA_RAT	42981.58	6.64	Glutamine synthetase													B6	72.47	5	5	9.9	5
844	Q9R0I8	PI42A_RAT	46408.59	6.5	Phosphatidylinositol-5-phosphate 4-kinase type-2 alpha													B6	72.24	5	5	12.3	5
845	Q5PQJ7	TBCEL_RAT	48528.65	5.35	Tubulin-specific chaperone cofactor E-like pr	B6	39.95	2	2	5.2	2							B6	70.04	5	5	17.5	5
846	A2VCW8	A2VCW8_RAT	50989.11	8.73	Septin 7	B6	61.59	3	3	8.9	3	B6	48.76	3	3	8.9	3	B6	66.22	5	5	13	5
847	Q4V8J5	Q4V8J5_RAT	33771.16	5.32	DNA-damage inducible protein 2													B6	55.2	5	5	20.1	5
848	Q5XIH3	Q5XIH3_RAT	51382.88	8.37	NADH dehydrogenase (Ubiquinone) flavoprot	B6	44.87	2	2	5.4	2							B6	53.53	5	5	16.6	5
849	D4A2V2	D4A2V2_RAT	47160.64	8.2	Putative uncharacterized protein Tapbp	B5 (B6)	47.15	1	1	3	2	B6 (B5)	91.65	5	4	10.8	6	B6	51.25	1	1	3	1
850	Q99PD4	ARC1A_RAT	42142.89	8.46	Actin-related protein 2/3 complex subunit 1A													B7 (B6)	87.45	5	5	15.4	8
851	P38406	GNAL_RAT	44733.6	6.23	Guanine nucleotide-binding protein G(olf) subunit alpha													B6	45.05	4	4	7.9	5
852	Q63468	KPRA_RAT	39752.75	6.73	Phosphoribosyl pyrophosphate synthase-associated protein 1													B7 (B6)	84	5	5	19.9	8
853	D3ZDB9	D3ZDB9_RAT	34638.68	6.32	Putative uncharacterized protein Nmral1							B7	39.93	1	1	9.3	1	B7	96.13	4	4	15.9	5
854	P14668	ANXA5_RAT	35779.32	4.93	Annexin A5							B7 (B8)	59.58	5	4	12.5	6	B7	90.17	2	2	6.3	3
855	D3ZG81	D3ZG81_RAT	33077.32	8.31	Membrane-associated ring finger (C3HC4) 8	B7	47.59	2	2	8.7	2	B7 (B6, B3)	114.31	5	5	23.1	8	B7	87.03	5	5	22	5
856	P97852	DHB4_RAT	79891.2	8.77	Peroxisomal multifunctional enzyme type 2	B7 (B4, B6)	132.17	4	4	8	10	B7 (B4)	193.58	5	5	9.8	9	B7	82.55	3	3	5.9	3
857	Q4V7A0	WDR61_RAT	33896.86	5.17	WD repeat-containing protein 61	B7	39.67	1	1	5.8	1	B7	84.24	1	1	5.8	1	B7	78.98	5	5	21.6	5
858	Q68FU2	Q68FU2_RAT	40942.93	7.57	Phosphoserine aminotransferase													B7	72.68	5	5	13.5	5
859	A2RUW1	TOLIP_RAT	30523.03	5.04	Toll-interacting protein	B8 (B7)	50.04	1	1	5.1	4	B7 (B8)	66.9	4	4	15	6	B7 (B8)	71.13	2	2	9.9	4
860	Q63486	RRAGA_RAT	36941.7	7.62	Ras-related GTP-binding protein A	B7	33.25	5	5	16	5	B7	99.24	4	4	13.1	4	B7	47.66	4	4	11.8	4
861	Q561S0	NDUAA_RAT	40752.75	7.64	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochondrial							B7	101.13	5	5	16.3	5	B7	40.48	4	4	8.2	4
862	B1WBS4	B1WBS4_RAT	39157.19	6.85	Similar to Vacuolar protein sorting 26 homol	B7	102.61	5	5	14.3	5							B7	38.99	3	3	8	3
863	A8WCF8	TPRGL_RAT	30053.45	6.92	Tumor protein p63-regulated gene 1-like pro	B7	167.02	5	5	23.3	5	B7 (B8)	115.68	3	3	15.8	7	B7	32.5	3	3	9.8	3
864	Q66HR2	MARE1_RAT	30156.23	5.12	Microtubule-associated protein RP/EB family member 1													B7	29.47	5	5	23.9	5
865	Q6LDP3	Q6LDP3_RAT	25840.08	8.27	Rat glutathione S-transferase													B8 (B9)	119.54	4	4	19.9	9
866	O35796	C1QBP_RAT	31319.65	4.77	Complement component 1 Q subcomponent	B8	41.05	2	2	8.2	2	B8	130.41	4	4	16.8	5	B8	106.37	3	3	16.8	5
867	Q9Z1B2	GSTM5_RAT	27067.26	6.33	Glutathione S-transferase Mu 5													B8	100.7	5	5	20.9	5
868	B4F7C7	B4F7C7_RAT	21224.46	5.33	Hebp1 protein													B8 (B9)	95.64	4	4	25.8	8
869	P18422	PSA3_RAT	28629.19	5.29	Proteasome subunit alpha type-3							B8	56.04	2	2	8.2	2	B8	92.79	5	5	17.3	5
870	P25113	PGAM1_RAT	28927.91	6.67	Phosphoglycerate mutase 1	B2	31.59	4	4	17.7	4	B8	39.55	3	3	11.8	3	B8	68.95	5	5	19.7	5
871	Q5M965	THG1_RAT	35169.61	8.44	Probable tRNA(His) guanylyltransferase													B8	64.12	5	5	20.8	5
872	B2GUX7	B2GUX7_RAT	24486.36	5.96	Cellular repressor of E1A-stimulated genes (	B9 (B7, B8)	112.85	4	4	19.1	12	B9 (B8)	54.13	1	1	6.4	2	B8	64.1	1	1	6.4	1
873	Q9WU49	CHSP1_RAT	16124.13	8.41	Calcium-regulated heat stable protein 1	B9	83.48	3	3	25.9	3	B9	68.79	3	3	25.9	3	B9 (B8)	85.32	4	4	31.3	8
874	P21913	DHSB_RAT	32607.22	8.96	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial							B8	46.98	5	5	16.3	5	B8	37.23	3	3	9.6	3
875	D4A8T3	D4A8T3_RAT	20242.49	4.69	Coatomer protein complex, subunit zeta 1 (F	B9	135.13	3	2	18.6	3	B9	91.09	2	1	7.9	2	B9	169.69	5	4	27.1	5
876	D3ZF58	D3ZF58_RAT	17887.71	6.16	Putative uncharacterized protein Rfesd													B9	150.57	5	5	33.1	5
877	Q6PEC0	AP4A_RAT	17089.71	5.35	Bis(5'-nucleosyl)-tetraphosphatase [asymme	B9	50.61	2	2	12.9	2	B9	70.24	2	2	12.9	2	B9	102.26	4	4	31.3	5
878	O08697	ARL2_RAT	20993.83	5.67	ADP-ribosylation factor-like protein 2	B9	86.43	3	3	17.9	3	B9	54.45	1	1	6.5	1	B9	97.06	5	5	27.2	5
879	P61212	ARL1_RAT	20512.51	5.63	ADP-ribosylation factor-like protein 1	B9	96.05	5	5	24.3	5	B9	57.32	3	3	14.4	3	B9	92.04	4	4	22.1	5
880	Q4G009	MCTS1_RAT	20764.89	8.99	Malignant T cell-amplified sequence 1													B9	89.92	4	4	30.8	5
881	D3ZWT8	D3ZWT8_RAT	15128.75	7.77	Putative uncharacterized protein Atp5h							B9	40.96	1	1	13	1	B9	85.88	3	3	32.1	5
882	P07895	SODM_RAT	24886.66	8.96	Superoxide dismutase [Mn], mitochondrial	B9	61.23	1	1	6.3	1	B9	88.05	3	3	16.7	3	B9	84.19	5	5	22.1	5
883	D3ZZK1	D3ZZK1_RAT	13459.31	9.82	Putative uncharacterized protein ENSRNOP	B9 (B10)	101.68	3	3	24.4	9	B10 (B9)	61.69	3	3	24.4	10	B9	80.08	3	3	25.2	5
884	A0JN17	A0JN17_RAT	21709.02	8.25	V-Ki-ras2 Kirsten rat sarcoma viral oncogene	B9	53.15	3	3	18.1	3	B9	73.76	3	3	26.1	3	B9	73.99	5	5	24.5	5
885	O35244	PRDX6_RAT	24860	5.64	Peroxiredoxin-6							B9	38.64	2	2	10.3	2	B9	69.12	5	5	26.8	5
886	B0BN19	B0BN19_RAT	21989.21	8.33	RAB22A, member RAS oncogene family (Pr	B9	120.88	5	5	28.9	5	B9	129.22	5	5	28.9	5	B9	60.16	1	1	7.2	1
887	D4A1G4	D4A1G4_RAT	11474.66	5.42	Putative uncharacterized protein Cyb5a							B9	46.88	3	3	34	3	B9	53.79	4	4	40	5
888	D3ZNQ6	D3ZNQ6_RAT	21171.76	7.57	Ubiquitin carrier protein													B9	53.35	5	5	25.1	5
889	Q6PDV6	Q6PDV6_RAT	16433.6	10.07	Rps14 protein	B9 (B10)	141.72	4	4	34.4	5	B9 (B10, B6, B8)	110.25	5	5	37.7	8	B9 (B10)	39.9	2	2	15.2	3
890	P62898	CYC_RAT	11712.07	9.61	Cytochrome c, somatic	B10	42.83	2	2	21	2	B10	115.65	5	5	37.1	5	B10	40.94	1	1	7.6	1
891	O35550	RABE1_RAT	99765.57	4.95	Rab GTPase-binding effector protein 1							B1	104.01	4	4	5.6	5						
892	D3ZRK4	D3ZRK4_RAT	66061.9	8.85	Putative uncharacterized protein Cybb	B9	39.56	1	1	1.8	1	B6 (B1, B3, B2)	88.95	4	4	7.4	10						
893	D3ZJK8	D3ZJK8_RAT	19768.59	9.41	Putative uncharacterized protein ENSRNOP	B3 (B1)	61.59	4	4	21.5	7	B3	59.7	2	2	11	2						
894	Q63270	ACOC_RAT	98749.59	6.72	Cytoplasmic aconitate hydratase	B3	82.95	5	5	6.2	5	B3	39.19	2	2	2.6	2						

895	D4A3X6	D4A3X6_RAT	116457.62	6.2	Putative uncharacterized protein 682925	B3	45.93	5	5	4.6	5	B3	37.21	1	1	1.2	1						
896	P18163	ACSL1_RAT	79154.6	6.6	Long-chain-fatty-acid--CoA ligase 1							B4	114.21	5	5	8.2	5						
897	Q8R4C0	CAN5_RAT	74044.94	7.52	Calpain-5	B5	45.76	1	1	2.2	1	B5	82.61	5	5	8	5						
898	D4A8Z3	D4A8Z3_RAT	67062.86	7.9	Putative uncharacterized protein Frrs1	B5	78.8	3	3	4.5	3	B5	67.77	5	5	6.9	5						
899	Q9WUD9	SRC_RAT	60553.33	7.55	Proto-oncogene tyrosine-protein kinase Src							B6	63.09	5	5	9.5	5						
900	P58195	PLS1_RAT	37598.9	4.82	Phospholipid scramblase 1							B6	44.6	5	5	10.7	5						
901	B0BN52	B0BN52_RAT	34133.21	8.58	Mitochondrial carrier homolog 2 (C. elegans)							B7	209.11	3	2	12.5	5						
902	B1H230	B1H230_RAT	39627.18	7.05	Map2k3 protein	B6	93.2	3	3	10.7	4	B7	134.75	4	4	13	5						
903	P82471	GNAQ_RAT	42402.4	5.48	Guanine nucleotide-binding protein G(q) subunit alpha							B7	106.14	4	4	13.4	5						
904	D3ZCX0	D3ZCX0_RAT	31441.68	8.56	Putative uncharacterized protein Rsu1							B8	27.71	5	5	15.2	5						
905	P50115	S10A8_RAT	10289.13	5.68	Protein S100-A8	B10 (B9)	96.3	2	2	32.6	7	B10 (B9)	136.28	3	3	41.6	9						
906	D3ZEN5	D3ZEN5_RAT	22597.63	8.54	Putative uncharacterized protein Prdx5	B9	57	5	5	26.3	5	B9	45.73	3	3	20.2	3						
907	Q62625	MLP3B_RAT	16440.56	8.71	Microtubule-associated proteins 1A/1B light	B10 (B9)	68.89	3	2	14.8	7	B10	64.82	3	2	14.8	5						
908	D4A7R3	D4A7R3_RAT	229366.78	5.91	Nucleoporin 205kDa (Predicted)	B1	58.14	5	5	2.7	5												
909	D4AA52	D4AA52_RAT	163078.41	6.19	Putative uncharacterized protein Mug2	B1	35.92	5	5	2.9	5												
910	P62161	CALM_RAT	16826.83	4.09	Calmodulin	B2	123.8	5	5	31.5	5												
911	P48679	LMNA_RAT	74563.87	6.54	Lamin-A	B2	99.37	5	5	9.2	5												
912	Q6TUH8	Q6TUH8_RAT	38569.51	10.16	LRRGT00066	B10 (B2)	86.6	4	4	12.1	7												
913	Q6AY07	Q6AY07_RAT	39923.48	7.07	Fructose-bisphosphate aldolase	B2	54.42	4	4	11.8	5												
914	D4AA47	D4AA47_RAT	145938.14	6.77	ATPase, Class I, type 8B, member 1 (Predic	B3	42.39	4	4	2.7	5												
915	Q5U2V2	Q5U2V2_RAT	53199.06	7.82	Serine incorporator 3	B6 (B3)	115.05	5	5	11.7	6												
916	O70513	LG3BP_RAT	64613.81	5.19	Galectin-3-binding protein	B4	145.64	4	4	11.5	5												
917	B2RYC9	B2RYC9_RAT	57854.24	6.95	Gba protein	B5	42.06	5	5	11.1	5												
918	Q6P747	HP1B3_RAT	61054.26	9.69	Heterochromatin protein 1-binding protein 3	B5	35.25	5	5	11.8	5												
919	Q6QI17	Q6QI17_RAT	196310.25	9.34	LRRGT00191	B6 (B7)	42.55	5	5	2.5	7												
920	D3Z9J5	D3Z9J5_RAT	41622.5	6.49	Putative uncharacterized protein Vps26a	B7	88.27	5	5	14.5	5												
921	P13084	NPM_RAT	32710.88	4.62	Nucleophosmin	B9	115.23	5	4	16.4	5												
922	D4A113	D4A113_RAT	43408.32	8.77	Putative uncharacterized protein RGD15662	B1 (B4, B3, B2, B	120.92	2	2	6.8	14	B1 (B4, B3, B2)	89.99	2	2	7.9	10	B1 (B4, B3, B2)	147.5	4	4	14.1	12
923	D4A0Y1	D4A0Y1_RAT	143740.32	7.59	Putative uncharacterized protein Cfb	B2 (B1, B9, B3)	79.96	1	1	1.3	7	B1 (B3, B2)	73.42	1	1	1.3	4	B4 (B1, B9, B3, B	80.71	2	2	2	6
924	D3ZYN8	D3ZYN8_RAT	125656.69	6.06	Putative uncharacterized protein RGD15625	B4 (B1, B3, B2)	50.26	1	1	1	10	B3 (B1, B4, B2)	53.59	3	3	2.4	13	B2 (B1, B6)	46.14	3	3	2.4	6
925	D4A3S5	D4A3S5_RAT	109294.87	5.18	Putative uncharacterized protein ENSRNOP	B1	70.19	1	1	2	1							B1	31.8	4	4	4.6	4
926	P17475	A1AT_RAT	46277.59	5.7	Alpha-1-antiproteinase	B4 (B2)	41.09	3	2	2.9	5	B1 (B2)	32.32	4	3	6.6	6	B5 (B1)	40.29	3	2	2.9	5
927	Q62940	NEDD4_RAT	102786.68	5.07	E3 ubiquitin-protein ligase NEDD4	B3	39.54	3	3	3	3							B3 (B2)	90.08	4	4	5.5	6
928	P21139	MA2C1_RAT	117151.66	5.93	Alpha-mannosidase 2C1	B3	75.16	2	2	3	2	B3	86.85	3	3	5.1	3	B3	90.52	4	4	6.2	4
929	D3ZD72	D3ZD72_RAT	113775.32	5.49	Putative uncharacterized protein RGD1562646													B3	48.16	4	4	4.1	4
930	Q80ZA3	Q80ZA3_RAT	46493.21	6.04	Alpha-2 antiplasmin	B6	74.74	4	4	11.2	4	B6	55.38	2	2	5.7	2	B6 (B3, B5)	81.67	4	4	11.2	10
931	Q6MG06	GNL1_RAT	69291.65	5.57	Guanine nucleotide-binding protein-like 1													B4	39.14	4	4	6.9	4
932	D3ZUC9	D3ZUC9_RAT	58453.19	6.15	Oxidative-stress responsive 1 (Predicted)													B5	98.45	4	4	10.6	4
933	Q6LAL6	Q6LAL6_RAT	20247.28	9.25	NAD(P)(+)--arginine ADP-ribosyltransferase	B6 (B5)	143.01	4	4	26	7	B6 (B5)	97.27	3	3	17.5	5	B5 (B6)	84.39	2	2	14.1	4
934	Q5XLP8	Q5XLP8_RAT	54535.01	5.9	Zinc responsive protein Zd10A													B5	52.16	3	3	10	4
935	P54645	AAPK1_RAT	64559.81	8.33	5'-AMP-activated protein kinase catalytic subunit alpha-1													B5	35.19	4	4	5.9	4
936	Q5XIP1	PELO_RAT	43836.18	5.68	Protein pelota homolog													B6 (B7)	170.82	4	4	9.6	5
937	Q5M7A4	UBA5_RAT	45379.3	4.9	Ubiquitin-like modifier-activating enzyme 5													B6	98.47	4	4	14.1	4
938	Q01205	ODO2_RAT	49236.48	8.89	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial							B6	83.86	4	4	10.4	4	B6	84.72	4	4	10.4	4
939	B0BNF1	SEPT8_RAT	51562.04	5.74	Septin-8													B6	72.69	4	4	7.2	4
940	Q0D2L6	Q0D2L6_RAT	44477.9	4.94	Ras-related GTP binding C	B6	86.74	4	4	10.6	4	B6	66.15	4	4	9.8	4	B6	55.33	2	2	4.8	2
941	Q9EQV8	CBPN_RAT	52233.2	8.6	Carboxypeptidase N catalytic chain	B6	39.03	3	3	6.1	4							B6	53.68	1	1	3.3	2
942	B1H267	B1H267_RAT	47049.17	6.19	Snx5 protein	B6	85.96	3	3	8.7	4	B6	50.88	2	2	5.2	3	B6	51.43	3	3	8.7	4
943	P68182	KAPCB_RAT	40853.1	8.65	cAMP-dependent protein kinase catalytic sul	B7 (B6)	53.46	4	4	10.8	7	B7 (B6)	47.95	4	4	10.5	6	B6 (B7)	49.46	3	3	8	6
944	Q6P7Q1	BRE_RAT	43987.02	5.62	BRCA1-A complex subunit BRE	B6	52.3	2	2	5.2	2	B6	54.63	2	2	5.2	2	B6	49.06	4	4	12.3	4
945	Q5VLR5	Q5VLR5_RAT	47247.51	5.09	BWK4	B6	63.15	4	4	10.1	4	B6	54.15	4	4	9.1	4	B6	46.98	2	2	6.2	2
946	Q71UF4	RBBP7_RAT	48132.31	4.89	Histone-binding protein RBBP7	B6	49.17	4	4	9.4	4							B6	36.01	4	4	9.6	4
947	P13803	ETFA_RAT	35271.59	8.62	Electron transfer flavoprotein subunit alpha,	B7	27.19	3	3	13.5	3	B7	142.84	4	4	16.5	4	B7	160.71	4	4	16.8	4
948	Q8R431	MGLL_RAT	33820.36	6.92	Monoglyceride lipase	B7	98.69	3	3	10.6	3							B7 (B8)	140.75	4	4	13.2	6
949	Q4FZT0	STML2_RAT	38504.28	8.74	Stomatin-like protein 2	B7	81.75	3	3	12.7	3	B7	90.76	3	3	12.7	4	B7	89.84	4	4	14.4	4
950	P85973	PNPH_RAT	32566.15	6.46	Purine nucleoside phosphorylase	B7	88.48	3	3	13.8	3	B7 (B8)	61.78	3	3	14.9	4	B7	75.74	4	4	18.3	4
951	D4A9Z8	D4A9Z8_RAT	25093.65	4.84	Putative uncharacterized protein Chmp4b	B7	131.31	4	4	21	4	B7	141.75	4	4	21	4	B7	70.12	4	4	18.3	4
952	D3ZHT9	D3ZHT9_RAT	37329.75	6.82	Putative uncharacterized protein Scamp2	B7	159.91	2	2	9.7	4	B7	110.21	3	3	11.6	4	B7	50.9	1	1	3.6	2
953	B4F7A5	B4F7A5_RAT	16635.45	4.92	Cd99 protein	B8	47.07	2	2	13.9	2	B8	65.59	2	2	13.9	3	B8 (B7)	67.75	3	3	18.8	5
954	C0KUC5	C0KUC5_RAT	43462.79	8.43	LIM and senescent cell antigen-like domains	B7	47.51	3	3	7.7	4							B7	43.01	3	3	8.6	3
955	Q5XI32	CAPZB_RAT	30951.53	5.69	F-actin-capping protein subunit beta	B7	29.91	4	4	14.3	4							B7	32.03	4	4	12.9	4
956	Q5XIF2	Q5XIF2_RAT	28819.65	6	RCG47444, isoform CRA_a													B8 (B9)	136.51	4	4	22.3	5
957	Q6P7Q4	LGUL_RAT	20977.4	5.12	Lactoylglutathione lyase													B8	67.44	4	4	17.9	4
958	Q5XI73	GDIR1_RAT	23449.84	5.12	Rho GDP-dissociation inhibitor 1	B8	58.82	3	3	14.2	3	B8 (B9)	94.6	3	3	18.6	5	B8	62.67	4	4	23	4
959	Q6AYU3	DNJB6_RAT	39012.41	9.39	DnaJ homolog subfamily B member 6	B8	50.33	1	1	3.4	2	B6 (B7)	48.57	3	3	8.1	5	B8	47.05	1	1	3.4	1
960	Q9Z339	GSTO1_RAT	27936.08	6.25	Glutathione S-transferase omega-1													B8	40.65	4	4	23.2	4
961	Q6VBQ5	MYADM_RAT	35866.34	8.57	Myeloid-associated differentiation marker	B8 (B7, B9)	133.79	3	3	12.6	10	B9 (B7, B8)	144.57	3	3	12.6	7	B9	150.24	3	3	12.6	3
962	P04906	GSTP1_RAT	23652.15	6.89	Glutathione S-transferase P	B9	75.03	4	4	24.3	4	B9	66.42	4	4	19.5	4	B9	129.69	3	3	20	3
963	B2GV38	B2GV38_RAT	17893.59	8.57	Ubiquitin-like 4													B9	104.2	4	4	29.3	4
964	Q62639	RHEB_RAT	20523.57	5.65	GTP-binding protein Rheb	B9	110.34	2	2	14.1	2	B9	127.84	2	2	14.1	2	B9	104.05	4	4	24.5	4
965	Q6XFR6	GLPC_RAT	10493.33	4.97	Glycophorin-C							B9	110.25	3	3	42.1	4	B9	92.7	1	1	27.4	1
966	P61227	RAP2B_RAT	20719.29	4.73	Ras-related protein Rap-2b							B9	95.93	4	4	27.9	4	B9	67.75	2	2	12	2
967	D3ZI82	D3ZI82_RAT	19615.53	4.38	Ubiquitin carrier protein													B9	27.48	4	4	23.7	4
968	Q03343	ADCY6_RAT	132303.5	8.49	Adenylate cyclase type 6							B1 (B2)	79.43	4	4	3.1	8						
969	Q62638	GSLG1_RAT	137346.63	6.52	Golgi apparatus protein 1							B2	88.42	4	4	3.6	4						
970	Q62902	LMAN1_RAT	58205.93	5.92	Protein ERGIC-53							B5 (B2)	40.58	4	4	6.2	6						
971	D4A3M7	D4A3M7_RAT	48050.35	4.5	Putative uncharacterized protein ENSRNOP	B5 (B4)	73.08	4	4	13.5	7	B4	34.4	3	3	10.7	3						
972	Q5XI38	Q5XI38_RAT	70704.95	5.15	Lymphocyte cytosolic protein 1	B5	41.42	3	3	6.5	3	B5	113.32	4	4	6.9	4						
973	B4F796	B4F796_RAT	58983.33	5.95	Alox12 protein							B5	84.25	4	4	9.9	4						
974	D3ZNG3	D3ZNG3_RAT	58905.27	6.19	Putative uncharacterized protein Sppl2a	B5 (B4)	70.77	3	3	5.7	6	B5	60.13	3	3	5.7	4						
975	Q4V7D9	Q4V7D9_RAT	51954.69	5.53	Sphingomyelin phosphodiesterase, acid-like 3B							B5	54.99	4	4	10.7	4						

976	A1A5N3	A1A5N3_RAT	48177.9	9.76	Intermediate conductance K channel isoform	B1	67.08	4	4	10.8	4	B5	46.43	4	4	10.8	4						
977	Q9QYW1	KCNN4_RAT	48305.96	9.76	Intermediate conductance calcium-activated	B2 (B3)	47.15	3	3	13.6	5	B5	39.52	4	4	11.1	4						
978	P16228	CATE_RAT	43392.49	4.67	Cathepsin E							B6	52.91	4	4	7.5	4						
979	P12369	KAP3_RAT	46493.08	4.9	cAMP-dependent protein kinase type II-beta regulatory subunit							B6	50.95	4	4	10.6	4						
980	Q5U1Y0	TM192_RAT	30575.44	8.47	Transmembrane protein 192	B8	39.44	2	2	8.3	2	B8 (B6)	51.68	4	4	15	5						
981	Q5PQM1	Q5PQM1_RAT	39164.18	11.47	Splicing factor, arginine/serine-rich 6							B6	34.41	4	4	10.6	4						
982	Q4QQU9	Q4QQU9_RAT	38683.35	7.44	Osteopetrosis associated transmembrane pr	B7 (B8)	80.11	4	4	10.4	7	B7	71.63	3	3	8.9	3						
983	Q08850	STX4_RAT	34301.85	5.84	Syntaxin-4	B7	36.86	4	4	11.1	4	B7	39.71	2	2	6.7	2						
984	Q99JD3	ODC_RAT	33485.34	9.43	Mitochondrial 2-oxodicarboxylate carrier							B7	37.21	4	4	11.1	4						
985	Q9QZA6	CD151_RAT	29191.73	8.12	CD151 antigen	B8	78.42	2	2	9.1	3	B9 (B8)	124.28	3	3	13	7						
986	Q5M860	Q5M860_RAT	22926.56	4.99	Rho, GDP dissociation inhibitor (GDI) beta	B8 (B9)	77.75	4	4	25.5	7	B8 (B9)	103.83	4	4	25.5	8						
987	D4AAV9	D4AAV9_RAT	37533.66	8.43	Putative uncharacterized protein Tspan9	B8	55.14	3	3	10.9	3	B8	68.15	4	3	10.9	4						
988	D4A6H5	D4A6H5_RAT	15187.3	10.89	40S ribosomal protein S24	B9 (B10, B8)	118.49	3	2	20.6	7	B9 (B10, B8)	118.31	4	3	29.8	8						
989	Q63862	MYH11_RAT	153081.79	5.93	Myosin-11 (Fragments)	B7	44.04	4	3	2.3	4	B8	38.99	2	2	2.1	2						
990	Q78EG7	TP4A1_RAT	20144.36	9.17	Protein tyrosine phosphatase type IVA 1	B9	88.28	4	4	23.1	4	B9	87.13	2	2	12.7	2						
991	D4AD29	D4AD29_RAT	10756.6	5.84	Putative uncharacterized protein RGD13097	B9 (B10)	59.89	1	1	10.1	5	B9 (B10)	55.11	1	1	10.1	2						
992	Q5XIE5	MARH3_RAT	29285.73	8.58	E3 ubiquitin-protein ligase MARCH3	B7 (B9)	51.31	3	3	13.8	7	B9	49.32	3	3	7.5	3						
993	Q07984	SSRD_RAT	19195.58	5.5	Translocon-associated protein subunit delta							B9	43.31	4	4	28.9	4						
994	B2RZD4	B2RZD4_RAT	13512.56	11.48	RCG28883, isoform CRA_b	B9	48.33	4	4	23.1	4	B9	38.35	3	3	15.4	3						
995	D3ZDK6	D3ZDK6_RAT	69647.4	7.57	Putative uncharacterized protein Krt2							B10	120.03	4	4	4.7	4						
996	B2GV99	B2GV99_RAT	17173.2	4.56	Myl6 protein	B10 (B2)	65.75	3	3	19.1	6	B10	83.67	3	3	23.7	4						
998	D3ZGI9	D3ZGI9_RAT	124656.82	6.13	Putative uncharacterized protein Slc12a5	B1 (B3, B2)	75	4	3	2.2	12												
999	Q9EQV6	TPP1_RAT	61750.03	6.25	Tripeptidyl-peptidase 1	B6 (B1, B3)	160.9	3	3	7.5	7												
1000	D3ZIC5	D3ZIC5_RAT	98669.85	6.64	Putative uncharacterized protein Clcn6	B1 (B3, B2)	58.8	4	4	6	11												
1001	Q5U2T5	Q5U2T5_RAT	50639.45	7.1	RCG33556, isoform CRA_b	B6 (B1, B7, B5)	85.66	3	3	8.3	9												
1002	Q5U2W7	CYAC3_RAT	28973.08	9.6	Cytochrome b ascorbate-dependent protein	B7 (B6, B9, B2, B	45.29	3	3	8.2	12												
1003	Q5EB83	Q5EB83_RAT	51396.61	5.46	Eftud2 protein (Fragment)	B3	60.71	4	4	9.5	4												
1004	D3ZFR0	D3ZFR0_RAT	96520.98	6.73	Putative uncharacterized protein Fastkd1	B3	31.3	3	2	2	4												
1005	P97943	SCRB1_RAT	57376.07	7.53	Scavenger receptor class B member 1	B4	86.51	4	3	7.3	4												
1006	B2RZB5	B2RZB5_RAT	25117.87	5.88	Chromatin modifying protein 2A	B7	135.71	4	4	18.9	4												
1007	Q4KM66	Q4KM66_RAT	26017.67	5.35	LOC500183 protein	B8	113.78	4	3	18.4	4												
1008	Q5U205	Q5U205_RAT	26815.82	4.82	STARD3 N-terminal like	B8	38.76	3	3	14.5	4												
1009	D4A0S8	D4A0S8_RAT	33432.69	4.54	Putative uncharacterized protein Tln1	B1	113.64	2	2	7.9	2	B1 (B7, B3, B2)	129.44	3	3	14.6	7	B1	104.24	2	2	7.9	2
1010	Q6MG49	BAT3_RAT	115088.73	5.48	Large proline-rich protein BAT3													B2 (B1)	53.93	3	3	3.2	6
1011	P08461	ODP2_RAT	67636.57	8.76	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial							B5 (B3, B2)	122.32	3	3	6.5	5	B1 (B5)	42.06	1	1	2.8	3
1012	Q8VHU4	ELP1_RAT	150900.66	5.98	Elongator complex protein 1							B2	76.9	2	2	2	3	B2 (B1)	43.12	3	3	2.1	5
1013	D3ZS68	D3ZS68_RAT	37987.14	6.66	Putative uncharacterized protein Pcbp1	B3	39.27	1	1	3.7	1	B6 (B1, B7, B3, B	101.77	3	3	13.2	11	B7 (B1, B6, B3)	42.01	1	1	3.7	8
1014	D3ZHW0	D3ZHW0_RAT	155159.57	8.36	Putative uncharacterized protein ENSRNOP00000013854													B2	88.17	3	3	2.4	3
1015	Q6MG76	Q6MG76_RAT	137724.48	5.99	Superkiller viralicidic activity 2-like (S. cerevisiae)													B2	73.95	2	2	2.2	3
1016	D3ZDU2	D3ZDU2_RAT	152219.5	6.43	Putative uncharacterized protein Rptor													B2	58.87	3	3	3.1	3
1017	B2GUZ1	UBP4_RAT	109615.58	5.42	Ubiquitin carboxyl-terminal hydrolase 4													B3	89.39	3	3	3.2	3
1018	D3ZQ25	D3ZQ25_RAT	82125	5.03	Fibulin 1 (Predicted)													B3	28.86	2	2	3.1	3
1019	Q4FZT5	Q4FZT5_RAT	23862.65	4.67	Tbc1d15 protein (Fragment)	B4	73.92	2	2	9.8	2	B1 (B2, B5)	44.88	2	2	9.8	4	B4	104.56	3	3	14.1	3
1020	P97571	CAN1_RAT	82751.53	5.46	Calpain-1 catalytic subunit							B4	37.24	2	2	2.4	2	B4	42.26	3	3	3.8	3
1021	B2RYJ3	B2RYJ3_RAT	88231.66	8.53	RGD1563853 protein													B4	37.73	3	3	2.9	3
1022	P00689	AMYP_RAT	57825.05	8.34	Pancreatic alpha-amylase													B5	92.58	2	2	5.5	3
1023	Q9JM53	AIFM1_RAT	66965.92	9.06	Apoptosis-inducing factor 1, mitochondrial													B5	42.49	3	3	2.9	3
1024	Q56R16	IMA5_RAT	61116.17	5.17	Importin subunit alpha-6													B5	41.87	3	3	5.2	3
1025	D4ACL2	D4ACL2_RAT	52630.37	5.83	Putative uncharacterized protein Ttc38													B6	96.46	3	3	8	3
1026	P15650	ACADL_RAT	48241.56	7.63	Long-chain specific acyl-CoA dehydrogenas	B6	68.7	3	3	8.6	3	B6	42.3	1	1	2.6	1	B6	91.28	2	2	5.6	3
1027	Q5RJQ4	SIRT2_RAT	39921.01	6.67	NAD-dependent deacetylase sirtuin-2	B6	38.03	1	1	3.7	1	B6	38	1	1	3.7	1	B6	79.09	3	3	13.7	3
1028	D3ZP29	D3ZP29_RAT	28809.37	9.83	Putative uncharacterized protein Icam4													B6	70.95	3	3	10.7	3
1029	D4A4Z7	D4A4Z7_RAT	35253.88	5.91	Putative uncharacterized protein ENSRNOP	B7 (B6)	54.82	3	2	5.4	6	B7 (B6, B8)	70.11	3	2	5.4	8	B7 (B6)	59.58	3	2	5.4	6
1030	Q68FS4	AMPL_RAT	56513.83	6.77	Cytosol aminopeptidase	B6 (B5)	50.49	2	2	4	4	B6	62.11	3	3	6.4	3	B6	50.57	2	2	5.4	2
1031	Q60587	ECHB_RAT	51666.64	9.5	Trifunctional enzyme subunit beta, mitochondrial							B6	51.82	3	3	8.4	3	B6	47.2	2	2	5.3	2
1032	Q5XIG8	STRAP_RAT	38717.11	4.99	Serine-threonine kinase receptor-associated protein													B6	45.78	2	2	6.6	3
1033	Q63413	UAP56_RAT	49460.14	5.44	Spliceosome RNA helicase Bat1	B6	52.25	2	2	3.7	2	B6	37.05	3	3	5.6	3	B6	43.65	2	2	3.7	2
1034	D3ZL63	D3ZL63_RAT	33674.55	6	Putative uncharacterized protein Vta1													B6	43.12	3	3	10.3	3
1035	D3ZVZ6	D3ZVZ6_RAT	11467.6	7.82	Putative uncharacterized protein Tmem106b	B6	97.39	3	3	43.1	3	B6	106.38	3	3	43.1	3	B6	42.72	1	1	12.7	1
1036	P24090	FETUA_RAT	38756.51	6.05	Alpha-2-HS-glycoprotein	B2 (B3)	42.01	2	2	3.7	4	B3 (B2)	42.72	3	3	5.4	6	B6	41.41	2	2	5.1	2
1037	P06349	H1T_RAT	21712.23	11.78	Histone H1t	B1	39.53	3	3	19.7	3	B3 (B1)	41.21	2	2	16.3	4	B6	39.47	2	2	16.3	3
1038	Q64559	BACH_RAT	43164.1	8.8	Cytosolic acyl coenzyme A thioester hydrolase													B6	39.12	3	3	11	3
1039	Q4V896	SNX15_RAT	37996.34	5.33	Sorting nexin-15													B6	25.6	3	3	9.2	3
1040	Q03336	RGN_RAT	33938.59	5.27	Regucalcin													B7	130.32	3	2	8	3
1041	Q497B0	NIT2_RAT	31023.79	6.9	Omega-amidase NIT2													B7	113.33	3	3	15.2	3
1042	B2GUX5	B2GUX5_RAT	34073.41	5.29	5'-nucleotidase, cytosolic III													B7	93.07	3	3	12.8	3
1043	Q64270	EI2BA_RAT	33941.93	8.44	Translation initiation factor eIF-2B subunit alpha													B7	63.1	3	3	9.5	3
1044	D4A356	D4A356_RAT	1608.78	4.53	Putative uncharacterized protein ENSRNOP	B7 (B6, B2)	71.35	2	1	94.1	5	B7 (B6)	58.85	2	1	94.1	4	B7	49.87	1	1	94.1	1
1045	B1WBX7	B1WBX7_RAT	18766.45	4.88	Coatomer protein complex, subunit epsilon													B7	47.66	3	3	16.3	3
1046	Q68FX0	IDH3B_RAT	42611.88	8.89	Isocitrate dehydrogenase [NAD] subunit beta	B7	83.61	3	3	9.4	3							B7	43.61	3	3	9.6	3
1047	Q6P9V6	Q6P9V6_RAT	26565.27	4.74	Proteasome subunit alpha type							B8	63.43	1	1	5.8	1	B8	161.28	3	3	18.7	3
1048	Q8VD52	PLPP_RAT	33493	5.44	Pyridoxal phosphate phosphatase													B8	129.26	3	3	13.3	3
1049	P85971	6PGL_RAT	27445.35	5.54	6-phosphogluconolactonase													B8	88.93	3	3	21.8	3
1050	Q9Z0W7	CLIC4_RAT	28842.79	5.92	Chloride intracellular channel protein 4							B8	59.11	3	3	11.5	3	B8	76.45	3	3	11.9	3
1051	P31044	PEBP1_RAT	20902.43	5.48	Phosphatidylethanolamine-binding protein 1							B8	43.63	2	2	11.2	2	B8	67.65	3	3	24.6	3
1052	P23965	D3D2_RAT	32348.06	9.55	3,2-trans-enoyl-CoA isomerase, mitochondri	B8	54.45	2	2	8	2	B8	63.93	1	1	5.2	1	B8	63.35	3	3	11.4	3
1053	P20070	NB5R3_RAT	34380.81	8.56	NADH-cytochrome b5 reductase 3	B7	37.63	1	1	6.3	1	B8 (B7)	68.75	3	3	10	4	B8	60.42	2	2	8.3	2
1054	A1L1I6	A1L1I6_RAT	28508.33	9.25	Rtn3 protein	B8	37.68	3	3	10.3	3	B8	50.69	3	3	10.3	3	B8	55.96	2	2	7.3	2
1055	P19944	RLA1_RAT	11604.74	4.28	60S acidic ribosomal protein P1	B9	42.67	1	1	14	1							B9 (B8)	131.22	2	2	51.8	4
1056	P35427	RL13A_RAT	23575.43	11.02	60S ribosomal protein L13a													B8	54.56	3	3	13.8	3
1057	P47875	CSRP1_RAT	21455.07	8.9	Cysteine and glycine-rich protein 1													B8	49.22	2	2	16.6	3

1058	D3ZBL9	D3ZBL9_RAT	28266.75	6.4	Putative uncharacterized protein RGD13047	B8	45.37	3	3	12.7	3	B8	68.96	1	1	6.6	1	B8	44.94	1	1	4.1	1
1059	P18420	PSA1_RAT	29783.92	6.15	Proteasome subunit alpha type-1													B8	23.57	3	3	9.1	3
1060	Q63228	GMFB_RAT	16896.57	5.32	Glia maturation factor beta													B9	97.2	3	3	22.5	3
1061	Q5XFX0	TAGL2_RAT	22550.21	8.41	Transgelin-2	B2	108.74	3	3	22.1	3							B9	91.55	3	3	18.1	3
1062	P35434	ATPD_RAT	17584.17	5.16	ATP synthase subunit delta, mitochondrial	B9	76.25	2	2	13.7	2	B9	109.67	3	3	17.3	3	B9	87.3	2	2	13.7	2
1063	Q5M823	NUDC2_RAT	17833.83	4.99	NudC domain-containing protein 2													B9	85.08	3	3	19.1	3
1064	P28073	PSB6_RAT	25501.53	4.85	Proteasome subunit beta type-6													B9	71.97	3	3	13.9	3
1065	Q2KMM2	TPPC1_RAT	16984.63	9.23	Trafficking protein particle complex subunit 1													B9	63.43	3	3	24.1	3
1066	P62853	RS25_RAT	13790.72	10.12	40S ribosomal protein S25	B9	48.47	3	3	21.6	3	B9	54.17	3	3	21.6	3	B9	47.57	3	3	21.6	3
1067	D3ZSC4	D3ZSC4_RAT	14793.8	9.21	Putative uncharacterized protein ENSRNOP	B9 (B10)	50.02	2	2	18.8	4	B10 (B9)	57.53	3	3	23.4	5	B10 (B9)	70.95	2	2	18.8	4
1068	P22734	COMT_RAT	29806.36	5.41	Catechol O-methyltransferase													B9	41.96	3	3	9.8	3
1069	D3Z8J0	D3Z8J0_RAT	23315.62	5.81	Putative uncharacterized protein RGD1564425													B9	39.48	3	3	19.5	3
1070	P17220	PSA2_RAT	26024.32	6.92	Proteasome subunit alpha type-2							B9	89.4	1	1	9	2	B9	37.91	3	3	11.1	3
1071	D4A311	D4A311_RAT	20408.23	8.59	NADH dehydrogenase (Ubiquinone) 1 alpha subcomplex, 8													B9	32.95	3	3	27.9	3
1072	P30904	MIF_RAT	12640.23	6.79	Macrophage migration inhibitory factor													B10	70.36	3	3	32.2	3
1073	B0BNJ9	B0BNJ9_RAT	11650.03	9.63	RCG44002, isoform CRA_a							B10 (B9)	129.42	3	2	24.6	4	B10	42.2	1	1	14.9	1
1074	Q66HA4	TAXB1_RAT	94278.61	5.18	Tax1-binding protein 1 homolog							B1	51.32	3	3	4.1	3						
1075	Q5RJS7	Q5RJS7_RAT	21486.74	7.57	Atp11b protein (Fragment)	B3 (B1, B2)	69.45	3	3	19.6	8	B2 (B1, B3)	56.31	2	2	12.7	6						
1076	D3ZX04	D3ZX04_RAT	165258.39	7.11	Putative uncharacterized protein Abcc10	B1 (B3, B2)	92.06	3	3	1.9	6	B3 (B1)	48.46	1	1	0.8	2						
1077	Q62720	ZNT1_RAT	56133.35	5.99	Zinc transporter 1	B1	79.22	2	2	5.7	2	B2	52.37	3	3	6.1	3						
1078	D4A105	D4A105_RAT	96166.53	7.46	Putative uncharacterized protein ENSRNOP	B4 (B3)	59.61	1	1	1.4	2	B4 (B3, B2)	62.62	2	2	2.5	6						
1079	Q9ET61	C1QR1_RAT	71188.9	4.87	Complement component C1q receptor							B3	109.39	3	3	5.4	3						
1080	Q9QZ81	AGO2_RAT	98510.41	9.32	Protein argonaute-2							B3	81.94	3	3	4.8	3						
1081	P15127	INSR_RAT	159336.25	5.66	Insulin receptor	B3	57.76	2	2	1.6	3	B3	66.56	3	3	2.6	3						
1082	Q924W3	Q924W3_RAT	10928.69	9.02	Integrin alpha 6 subchain (Fragment)							B3	35.03	3	3	28.3	3						
1083	P45953	ACADV_RAT	71046.77	9.01	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial							B5	50.12	3	3	5.5	3						
1084	P38062	AMPM2_RAT	53873.64	5.72	Methionine aminopeptidase 2							B5	48.87	3	3	6.7	3						
1085	Q5FVF4	TM7S3_RAT	64171.43	8.54	Transmembrane 7 superfamily member 3	B6 (B8)	43.15	1	1	2.8	4	B6 (B5)	43.11	1	1	2.8	2						
1086	D3ZJB7	D3ZJB7_RAT	51906.43	6.28	Putative uncharacterized protein Slc30a10	B6 (B7)	108.43	2	2	6.1	3	B6 (B7)	111.77	3	3	8.7	4						
1087	P85834	EFTU_RAT	49890.14	7.23	Elongation factor Tu, mitochondrial							B6	71.92	3	3	6.4	3						
1088	Q99M65	Q99M65_RAT	44884.93	9.22	Neutrophil cytosolic factor 1	B6	46.74	3	3	6.7	3	B6	63.28	3	3	6.7	3						
1089	Q9JHY1	JAM1_RAT	32634.29	6.18	Junctional adhesion molecule A							B6	56.67	3	3	12	3						
1090	B1WC50	B1WC50_RAT	68573.81	9.37	Ewsr1 protein	B3 (B6, B7, B5)	77.66	3	3	4.4	9	B6	46.21	1	1	2.1	1						
1091	P11167	GTR1_RAT	54269.51	8.93	Solute carrier family 2, facilitated glucose transporter member 1							B6	44.05	2	2	3	3						
1092	Q4KLZ3	Q4KLZ3_RAT	43287	8.73	DAZ associated protein 1							B6	42.47	3	3	9.6	3						
1093	Q9Z244	GMPR1_RAT	37919.99	6.5	GMP reductase 1	B7	39.98	3	3	8.1	3	B7	56.68	1	1	4.3	1						
1094	Q5M849	Q5M849_RAT	31972.83	5.37	Interferon-induced protein 35							B7	56	3	3	14.7	3						
1095	D3Z964	D3Z964_RAT	26235.33	11.77	Putative uncharacterized protein ENSRNOP	B7	38.65	2	2	10.2	2	B7	42.64	2	2	10.2	3						
1096	Q5XIP0	Q5XIP0_RAT	37969.29	8.7	DnaJ (Hsp40) homolog, subfamily B, member 4							B7	34.93	3	3	11.9	3						
1097	P08699	LEG3_RAT	27241.42	8.59	Galectin-3	B7	97.32	3	3	14.5	3	B7	29.99	2	2	8.4	2						
1098	Q68VK5	TSN5_RAT	31001.43	4.59	Tetraspanin-5	B8	64.01	2	2	11.2	2	B8	68.89	3	3	14.2	3						
1099	P01836	KACA_RAT	11895.68	4.99	Ig kappa chain C region, A allele	B8 (B9)	110.58	3	2	23.6	5	B8	61.54	2	2	22.6	2						
1100	Q6AY58	Q6AY58_RAT	27951.02	8.91	B-cell receptor-associated protein 31							B8	59.12	3	3	10.6	3						
1101	P22062	PIMT_RAT	24682.69	7.14	Protein-L-isoaspartate(D-aspartate) O-methy	B8	41.34	3	3	14.5	3	B8	55.84	2	2	7.9	2						
1102	Q04970	RASN_RAT	21514.64	5.02	GTPase NRas							B9	72.4	3	3	24.3	3						
1103	P70500	CDIPT_RAT	23939.34	8.56	CDP-diacylglycerol--inositol 3-phosphatidyltransferase							B9	69.69	3	3	17.4	3						
1104	Q71TY3	RS27_RAT	9796.96	9.57	40S ribosomal protein S27	B10	67.69	3	3	40.5	3	B10	79.25	3	3	40.5	3						
1105	D3ZW57	D3ZW57_RAT	7941.44	10.01	Putative uncharacterized protein 687648	B10	69.5	1	1	19.1	2	B10	78.13	2	2	33.8	3						
1106	D3ZWA7	D3ZWA7_RAT	9436.97	9.56	Putative uncharacterized protein ENSRNOP00000063894							B10	51.14	3	3	47.1	3						
1107	P06765	PLF4_RAT	11507.41	9.59	Platelet factor 4							B10	49.97	2	2	19	3						
1108	P11240	COX5A_RAT	16347.4	6.08	Cytochrome c oxidase subunit 5A, mitochon	B10	41.39	1	1	10.3	1	B10	47.28	3	3	15.8	3						
1109	Q5U204	MPKS1_RAT	13628.3	6.73	Mitogen-activated protein kinase scaffold pro	B10	47.9	2	2	18.5	2	B10	45.75	2	2	41.1	3						
1110	D3ZQ18	D3ZQ18_RAT	33154.89	6.1	Putative uncharacterized protein Nccrp1	B2	60.62	3	3	7.9	3												
1111	Q4V8H7	Q4V8H7_RAT	105333.21	5.88	WW domain containing E3 ubiquitin protein	B2	58.71	3	3	3.3	3												
1112	B5DF12	B5DF12_RAT	101916.6	4.96	Sf3b3 protein (Fragment)	B3 (B2)	118.76	2	2	3.2	5												
1113	D3Z8V9	D3Z8V9_RAT	85738.07	6.01	Putative uncharacterized protein Stat3	B2	43.53	2	2	3.9	3												
1114	D3ZG61	D3ZG61_RAT	119051.5	5.95	Putative uncharacterized protein Herc4	B3	50.72	3	3	5.9	3												
1115	A2RRU1	GYS1_RAT	84816.9	5.81	Glycogen [starch] synthase, muscle	B4 (B5)	51.61	3	3	5.8	6												
1116	P38652	PGM1_RAT	61649.68	6.3	Phosphoglucomutase-1	B5	68.14	3	3	6	3												
1117	D4ACM1	D4ACM1_RAT	64658.09	9	Putative uncharacterized protein ENSRNOP	B5	40.16	3	3	5.8	3												
1118	B5DEX4	B5DEX4_RAT	39813.17	8.78	Vasp protein	B6 (B5)	40.52	3	3	7.2	6												
1119	D3Z841	D3Z841_RAT	53134.57	6.16	Putative uncharacterized protein ENSRNOP	B5	33.54	3	3	7.5	3												
1120	D3ZNZ4	D3ZNZ4_RAT	70051.72	5.8	Putative uncharacterized protein Eml2	B5	30.78	3	3	4.9	3												
1121	P13437	THIM_RAT	42243.6	8.09	3-ketoacyl-CoA thiolase, mitochondrial	B6	67.23	3	3	14.6	3												
1122	P27791	KAPCA_RAT	40708.01	8.7	cAMP-dependent protein kinase catalytic sul	B6	58.41	3	3	8	3												
1123	Q920A6	RISC_RAT	51426.93	5.37	Retinoid-inducible serine carboxypeptidase	B6 (B7)	53.26	2	2	6.4	6												
1124	Q9QZR6	SEPT9_RAT	64094.14	8.65	Septin-9	B6	51.01	3	3	6.7	3												
1125	Q4KM75	Q4KM75_RAT	39375.4	5.26	CD5 antigen-like	B6	50.84	3	3	6.6	3												
1126	D3ZLC4	D3ZLC4_RAT	55350.45	9.09	Putative uncharacterized protein Slc2a6	B7	59.14	3	3	7.1	3												
1127	Q4V899	TM165_RAT	34958.47	6.97	Transmembrane protein 165	B7	54.08	3	3	8.4	3												
1128	Q9ERE4	GOLP3_RAT	34043.6	6.06	Golgi phosphoprotein 3	B7	40.31	3	3	12.8	3												
1129	P70470	LYPA1_RAT	25034.44	6.05	Acyl-protein thioesterase 1	B9	61.04	3	3	16.5	3												
1130	Q63396	TCP4_RAT	14432.43	9.6	Activated RNA polymerase II transcriptional	B9	43.56	3	3	22.8	3												
1131	D3ZK56	D3ZK56_RAT	20812.41	4.87	Putative uncharacterized protein LOC30249	B9	38.23	3	3	16.5	3												
1132	B2RZB7	B2RZB7_RAT	13273.36	11.56	Small nuclear ribonucleoprotein D1	B10	61.24	2	2	10.9	3												
1133	Q71DI1	Q71DI1_RAT	11390.87	6.08	Dermcidin	B10 (B1, B4, B7,	93.82	2	2	22.7	8	B10 (B1, B4, B6,	65.4	1	1	10	6	B1 (B10, B2)	58.76	1	1	10	3
1134	B5DFK6	B5DFK6_RAT	136778.63	6.73	Ap3d1 protein (Adaptor-related protein complex 3, delta 1 subunit, isoform CRA_b)													B1	38.27	2	2	1.4	2
1135	D3ZZQ8	D3ZZQ8_RAT	16923.59	9.4	Putative uncharacterized protein RGD15613	B9 (B10, B7, B8,	113.84	2	2	17.8	7	B6 (B10, B4, B7,	119.69	2	2	17.8	14	B10 (B6, B9, B8,	120.37	2	2	17.8	10
1136	P70527	P70527_RAT	39214.28	5	Protein involved in peptide presentation (Fragment)													B2 (B3)	63.55	2	2	6.1	4
1137	D3ZEY1	D3ZEY1_RAT	49487.92	7.48	Putative uncharacterized protein LOC361635													B3	41.79	2	2	6.7	2
1138	D3ZX57	D3ZX57_RAT	57818.81	6.07	Putative uncharacterized protein Scfd2	B5	74.54	1	1	3.6	1	B5	83.89	2	2	5.4	2	B5 (B4)	95.28	1	1	3.6	2

1139	B2RYI0	WDR91_RAT	84063.19	6.29	WD repeat-containing protein 91													B4	61.02	2	2	3.6	2
1140	D4A1Y4	D4A1Y4_RAT	56958.69	4.89	Putative uncharacterized protein Tom1							B5	39.79	1	1	3.1	1	B5	69.06	2	2	4.5	2
1141	D4A0E8	D4A0E8_RAT	73332.78	5.86	Protein arginine N-methyltransferase 5 (Predicted), isoform CRA_a							B5	46.89	2	2	2.7	2	B5	68.04	2	2	3.9	2
1142	Q4KLH5	AGFG1_RAT	58419.17	8.82	Arf-GAP domain and FG repeats-containing protein 1													B5	52.97	2	2	3.2	2
1143	Q0ZFS6	Q0ZFS6_RAT	48696.92	6.24	Interferon-related developmental regulator 2	B5 (B2)	60.73	1	1	3.9	2	B3 (B6, B7, B5)	81.79	2	2	7.3	6	B6 (B5)	45.27	2	2	5.9	3
1144	D3ZDC1	D3ZDC1_RAT	40999.64	9.42	Putative uncharacterized protein Drg2													B6	125.19	1	1	5.5	2
1145	P70541	EI2BG_RAT	51087.31	6.54	Translation initiation factor eIF-2B subunit gamma													B6	92.08	2	2	6.2	2
1146	B2RYG0	B2RYG0_RAT	37904.92	6.56	Coro1c protein													B6	80.04	2	2	7.2	2
1147	B1WBY2	B1WBY2_RAT	53119	6.03	Flad1 protein	B6	64.11	1	1	4.2	1							B6	75.96	1	1	4.2	2
1148	Q64640	ADK_RAT	40450.41	5.72	Adenosine kinase													B6	74.81	2	2	6.4	2
1149	D4A9C9	D4A9C9_RAT	39595.93	5.06	Putative uncharacterized protein Psmd4													B6	62.88	2	2	6	2
1150	D3ZR89	D3ZR89_RAT	44359.92	7.51	Putative uncharacterized protein ENSRNOP00000037470													B6	58.29	1	1	4.6	2
1151	B2GV06	SCOT1_RAT	56624.25	8.7	Succinyl-CoA:3-ketoacid-coenzyme A transf	B6 (B5)	65.21	2	2	6.9	4							B6	56.89	1	1	4	1
1152	P36877	2ABB_RAT	52034.74	6.01	Serine/threonine-protein phosphatase 2A 55	B5	51.67	1	1	3.1	1							B6	56.57	2	2	5	2
1153	B2GV82	B2GV82_RAT	53864.14	6.4	Nle1 protein													B6	55.57	2	2	5.7	2
1154	D3ZA91	D3ZA91_RAT	44758	5.43	Putative uncharacterized protein Cdc37													B6	52.44	1	1	5.6	2
1155	Q62867	GGH_RAT	36092.3	8.16	Gamma-glutamyl hydrolase													B6	49.25	2	2	5.7	2
1156	P26284	ODPA_RAT	43882.85	8.49	Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial													B6	47.69	2	2	5.6	2
1157	Q80Z29	NAMPT_RAT	55688.56	6.69	Nicotinamide phosphoribosyltransferase													B6	45	2	2	5.5	2
1158	Q7TPI7	Q7TPI7_RAT	38388.63	5.06	Ac2-269													B6	44.43	2	2	6.3	2
1159	Q5M7T1	CIAO1_RAT	38620.01	4.72	Probable cytosolic iron-sulfur protein assembly protein CIAO1													B6	37.19	2	2	7.1	2
1160	P35815	PPM1B_RAT	43488.94	4.87	Protein phosphatase 1B													B6	27.07	2	2	7.9	2
1161	B2RYX0	B2RYX0_RAT	23369.71	4.52	Naca protein							B7	40.14	2	2	10.2	2	B7	71.73	2	2	13.5	2
1162	Q9EST6	AN32B_RAT	31213.11	3.87	Acidic leucine-rich nuclear phosphoprotein 32 family member B													B7	71.26	2	2	8.1	2
1163	P27867	DHSO_RAT	38780.01	7.14	Sorbitol dehydrogenase													B7	60.5	2	2	9	2
1164	Q6AYG5	ECHD1_RAT	32781.04	6.56	Enoyl-CoA hydratase domain-containing protein 1													B7	58.46	2	2	9.7	2
1165	Q6AZ50	ATG3_RAT	36255.64	4.66	Autophagy-related protein 3													B7	56.99	2	2	7.3	2
1166	B0BMW2	B0BMW2_RAT	27403.58	8.79	Hydroxyacyl-Coenzyme A dehydrogenase ty	B8	40.86	1	1	7.7	1	B8 (B9)	81.22	1	1	7.7	3	B8	68.67	1	1	7.7	2
1167	B0BNF8	B0BNF8_RAT	27067.03	8.26	HIV-1 tat interactive protein 2, homolog (Human)							B8	48.83	1	1	3.3	1	B8	66.77	2	2	12.4	2
1168	D4A0T0	D4A0T0_RAT	21130.52	7.57	Putative uncharacterized protein Ndufb10													B8	66.73	2	2	13.1	2
1169	Q9JHW0	PSB7_RAT	30250.38	8.13	Proteasome subunit beta type-7													B8	49.47	2	2	6.9	2
1170	D3ZL18	D3ZL18_RAT	20170.8	9.94	Putative uncharacterized protein ENSRNOP00000003622													B8	48.93	2	2	11.4	2
1171	O54980	SNG2_RAT	24923.24	4.61	Synaptogyrin-2	B8 (B9)	112.63	2	2	12.5	3	B9 (B8)	107.22	2	2	12.5	4	B9 (B8)	93.44	2	2	12.5	3
1172	P56571	ES1_RAT	28496.98	9.11	ES1 protein homolog, mitochondrial							B8	39.98	2	2	13.2	2	B8	41.45	1	1	3.8	1
1173	Q75Q41	TOM22_RAT	15480.82	4.27	Mitochondrial import receptor subunit TOM2	B9	82.43	1	1	14.8	1	B9	106.29	2	2	23.2	2	B9	104.46	2	2	23.2	2
1174	Q498D8	Q498D8_RAT	12721.91	6.49	Ring-box 1													B9	95.04	2	2	24.1	2
1175	Q27W02	MGN_RAT	17209.81	5.74	Protein mago nashi homolog													B9	68.58	2	2	14.4	2
1176	B2GUV5	B2GUV5_RAT	13816	6.75	ATPase, H transporting, lysosomal V1 subur	B10 (B6, B9)	125.26	2	2	22	5	B10 (B9)	125.18	2	2	31.4	3	B9	54.49	1	1	12.7	1
1177	D4ACK8	D4ACK8_RAT	29108.43	7.74	Anterior pharynx defective 1a homolog (C. elegans), isoform CRA_a							B9	41.63	2	2	7.2	2	B9	54.21	2	2	7.2	2
1178	P37996	ARL3_RAT	20614.82	6.74	ADP-ribosylation factor-like protein 3													B9	50.58	2	2	18.1	2
1179	Q6DQ97	Q6DQ97_RAT	17097.18	9.22	Platelet phospholipase A2 (Fragment)	B9	63.81	2	2	13	2	B9	61.94	2	2	14.4	2	B9	49.5	1	1	9.6	1
1180	Q6PEC4	SKP1_RAT	18831.32	4.4	S-phase kinase-associated protein 1													B9	48.64	2	2	13.5	2
1181	D4A565	D4A565_RAT	21650.48	9.46	NADH dehydrogenase (Ubiquinone) 1 beta subcomplex, 5 (Predicted), isoform CRA_b							B9	55.61	2	2	12.7	2	B9	48.26	1	1	5.8	1
1182	Q8VHR9	Q8VHR9_RAT	17368.51	9.24	Eosinophil-associated ribonuclease 3													B9	42.44	1	1	9.3	2
1183	D3ZVI9	D3ZVI9_RAT	23647.86	6.36	Parkinson disease 7 domain containing 1 (Predicted), isoform CRA_a							B9	42.22	2	2	14.5	2	B9	40.16	1	1	10.9	1
1184	D3ZMD2	D3ZMD2_RAT	14880.52	5.93	40S ribosomal protein S12	B2 (B1)	88.53	2	2	24.2	3							B10	103.08	1	1	16.1	1
1185	P02401	RLA2_RAT	11684.86	4.44	60S acidic ribosomal protein P2	B10	96.12	2	2	27	2	B10	98.68	2	2	27	2	B10	49.65	1	1	16.5	1
1186	D4ADD7	D4ADD7_RAT	16535.59	6.73	Glutaredoxin 5 homolog (S. cerevisiae) (Pre	B10	73.09	2	2	17.1	2	B10	85.13	2	2	17.1	2	B10	39.21	1	1	7.9	1
1187	D3ZP47	D3ZP47_RAT	14172.79	5.26	Phosphohistidine phosphatase 1 (Predicted), isoform CRA_a													B10	39	1	1	9.7	2
1188	Q4V8C2	ZW10_RAT	89050.76	5.69	Centromere/kinetochore protein zw10 homol	B4 (B3)	67.07	2	2	4.1	3	B3 (B1, B4)	71.1	1	1	2.1	4						
1189	Q9R189	UN13D_RAT	124631.13	6.19	Protein unc-13 homolog D	B3 (B2)	50.21	1	1	1	3	B3 (B2)	49.43	1	1	1	3						
1190	Q63845	Q63845_9MURI	27826.02	5.17	Integrin alpha v subunit (Fragment)							B3	63.88	2	2	14.1	2						
1191	D3ZWX1	D3ZWX1_RAT	64129.39	8.92	Putative uncharacterized protein Tmem87a	B4	72.76	1	1	3.2	1	B4 (B3)	110.77	2	2	5.4	3						
1192	D4A8P9	D4A8P9_RAT	115171.02	6.76	Putative uncharacterized protein ENSRNOP00000054206							B3	47.08	2	2	2.3	2						
1193	P31652	SC6A4_RAT	71152.23	5.75	Sodium-dependent serotonin transporter							B4	55.42	2	2	4	2						
1194	P25235	RPN2_RAT	69149.05	5.63	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2							B5	83.29	2	2	4	2						
1195	D3ZF52	D3ZF52_RAT	24401.06	11.03	Ribosomal protein L15	B4	49.3	2	2	11.3	2	B5	60.26	1	1	6.9	1						
1196	Q6AXS5	PAIRB_RAT	44841.37	8.6	Plasminogen activator inhibitor 1 RNA-binding protein							B6 (B5)	68.73	2	2	6.6	3						
1197	D3ZT71	D3ZT71_RAT	46876.46	4.49	Putative uncharacterized protein Bcl2l13							B5	58.47	2	2	8.1	2						
1198	Q9QXU8	DC1L1_RAT	56985.34	6.13	Cytoplasmic dynein 1 light intermediate chai	B5	72.3	2	2	5.5	2	B5	52.79	1	1	3.6	1						
1199	D3ZWZ9	D3ZWZ9_RAT	62361.57	7.62	G protein-coupled receptor 107 (Predicted)	B7	43.22	1	1	2	1	B5	48.51	2	2	3.6	2						
1200	Q4KM76	Q4KM76_RAT	34275.19	6.75	Platelet receptor Gi24							B5	48.18	1	1	3.2	2						
1201	Q9ES71	GNPAT_RAT	77710.4	7.83	Dihydroxyacetone phosphate acyltransferase	B5	48.49	1	1	2.1	1	B5	47.15	2	2	3.5	2						
1202	D4A6I7	D4A6I7_RAT	13995.87	8	Putative uncharacterized protein Psca	B7 (B4, B5)	70.76	2	2	17.9	6	B5	39.79	1	1	8.1	1						
1203	Q5D001	Q5D001_RAT	44985.79	5.29	Adpgk protein (Fragment)							B6	82.01	2	2	5.9	2						
1204	D3ZUY6	D3ZUY6_RAT	48866.84	5.46	Putative uncharacterized protein ENSRNOP00000020306							B6	77.15	2	2	5	2						
1205	Q5I0E1	Q5I0E1_RAT	36639.21	6.75	Leucine-rich alpha-2-glycoprotein 1							B6	58.61	2	2	7.2	2						
1206	Q769K2	NAPEP_RAT	46035.87	5.69	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D							B6	44.97	2	2	6.6	2						
1207	P04182	OAT_RAT	48701.19	6.53	Ornithine aminotransferase, mitochondrial	B6	35.54	2	2	5.9	2	B6	40.39	1	1	2.1	1						
1208	Q99J82	ILK_RAT	51853.11	8.3	Integrin-linked protein kinase							B6	38.71	1	1	3.1	2						
1209	Q7TPJ0	SSRA_RAT	35777.95	4.35	Translocon-associated protein subunit alpha							B7	75.76	2	2	7.2	2						
1210	B5DFJ7	B5DFJ7_RAT	21145.61	6.51	Tmem9 protein (Transmembrane protein 9 (Predicted), isoform CRA_a)							B7	68.49	2	2	10.9	2						
1211	P55260	ANXA4_RAT	36168.16	5.31	Annexin A4							B7	57.6	2	2	10	2						
1212	Q9JL55	GDE1_RAT	38009.09	6.25	Glycerophosphodiester phosphodiesterase 1							B7	45.12	2	2	6.9	2						
1213	P61621	S61A1_RAT	52686.69	8.3	Protein transport protein Sec61 subunit alpha isoform 1							B7	42.38	2	2	3.6	2						
1214	B2RYA8	B2RYA8_RAT	30675.84	4.79	LOC689593 protein							B7	42.31	2	2	8.3	2						
1215	Q5S255	Q5S255_RAT	77038.75	7.83	Bruton agammaglobulinemia tyrosine kinase	B4	55	1	1	1.7	1	B7	37.06	2	2	2.9	2						
1216	A7VJC2	ROA2_RAT	37511.75	8.97	Heterogeneous nuclear ribonucleoproteins A	B2 (B7)	56.45	1	1	3.7	2	B7	34.25	2	2	6.2	2						
1217	B0BNL7	B0BNL7_RAT	29802.21	8.25	Rell1 protein							B7	33.4	2	2	9.2	2						
1218	Q66H95	DIRC2_RAT	52680.69	8.59	Disrupted in renal carcinoma protein 2 homo	B8 (B7)	71.52	2	2	6.5	4	B8	78.51	2	2	6.5	2						
1219	P97887	PSN1_RAT	53041.25	5.16	Presenilin-1	B8	73.71	2	2	4.7	2	B8 (B9)	59.34	1	1	2.7	3						

1220	P60905	DNJC5_RAT	22884.63	4.93	DnaJ homolog subfamily C member 5	B7 (B9, B8)	64.7	1	1	7.1	5	B9 (B8)	71.91	2	2	7.6	3					
1221	D3ZD11	D3ZD11_RAT	25185.78	8.75	Putative uncharacterized protein Spcs2							B8	54.74	2	2	12.8	2					
1222	D3ZZ48	D3ZZ48_RAT	36816.59	9.12	Putative uncharacterized protein Slc35a1	B8	46.5	2	2	5.4	2	B8	54.61	1	1	4.5	1					
1223	B0BNB0	B0BNB0_RAT	15383.43	10.36	Golt1b protein							B8	41.04	1	1	10.1	2					
1224	Q5FVI3	LRC57_RAT	27049.42	8.71	Leucine-rich repeat-containing protein 57	B8	29.87	2	2	9.2	2	B8	39.4	2	2	9.2	2					
1225	D3ZX67	D3ZX67_RAT	13662.97	7.57	Putative uncharacterized protein Lst1							B9 (B10)	97.22	2	2	22.7	4					
1226	P00697	LYSC1_RAT	17174.46	9.32	Lysozyme C-1							B9	79.96	2	2	17.6	2					
1227	P20411	FCERG_RAT	9872.35	5.73	High affinity immunoglobulin epsilon receptor subunit gamma							B9	53.95	2	2	25.6	2					
1228	Q0ZFS8	Q0ZFS8_RAT	19545.99	11.64	Putative uncharacterized protein							B9	42.15	2	2	12.2	2					
1229	Q5RKH9	Q5RKH9_RAT	28929.83	9.54	Der1-like domain family, member 1							B9	39.02	2	2	7.6	2					
1230	Q62737	CY24A_RAT	20908.2	9.32	Cytochrome b-245 light chain							B9	38.1	2	2	19.8	2					
1231	O88823	JTB_RAT	16944.65	8.56	Protein JTB	B9	49.73	2	2	16.4	2	B9	37.69	1	1	8.9	1					
1232	D4AAE9	D4AAE9_RAT	15454.48	9.68	Putative uncharacterized protein Cisd2							B10	70.22	2	2	16.3	2					
1233	D3ZQU7	D3ZQU7_RAT	78735.23	5.34	Putative uncharacterized protein Gp1ba							B10	66.31	2	2	3.3	2					
1234	Q9Z2J5	VAMP5_RAT	11602.12	7.77	Vesicle-associated membrane protein 5	B10	93.25	2	2	27.5	2	B10	51.08	1	1	12.7	1					
1235	B2RZD5	B2RZD5_RAT	14458.57	9.44	RCG41580, isoform CRA_a							B10	49.36	2	2	15.6	2					
1236	D3ZPM3	D3ZPM3_RAT	15735.07	6.82	Putative uncharacterized protein ENSRNOP00000060702							B10	48.29	2	2	14.1	2					
1237	B2RYS2	B2RYS2_RAT	13549.92	9.3	RCG60159							B10	46.83	2	2	14.4	2					
1238	P0C0A9	SVIP_RAT	8357.29	9.06	Small VCP/p97-interacting protein	B10	45.5	2	2	31.6	2	B10	45.18	1	1	14.5	1					
1239	P26376	INIB_RAT	15132.68	7.74	Interferon-inducible protein	B10 (B9)	42.58	1	1	5.8	3	B10	42.5	1	1	5.8	1					
1240	Q5U308	LRC8D_RAT	99017.35	7.14	Leucine-rich repeat-containing protein 8D	B3 (B1)	46.1	2	2	2.3	3											
1241	D3ZPD4	D3ZPD4_RAT	124042.09	9.26	Putative uncharacterized protein Prpf8	B1	38.65	2	2	2.1	2											
1242	D3ZKA0	D3ZKA0_RAT	44392.56	5.62	Putative uncharacterized protein Serpinb13	B2	95.48	2	2	3.3	2											
1243	P42930	HSPB1_RAT	22935.63	6.12	Heat shock protein beta-1	B2	45.06	2	2	9.2	2											
1244	Q7TP86	Q7TP86_RAT	16979.78	9.52	Ab1-331	B2	40.26	2	2	11.3	2											
1245	Q6AZ61	LMBD1_RAT	61663.1	7.87	Probable lysosomal cobalamin transporter	B3	82.98	2	2	5.2	2											
1246	Q9JJP0	S20A1_RAT	74880.45	6.84	Sodium-dependent phosphate transporter 1	B4	63.62	2	2	3.1	2											
1247	D3ZUP8	D3ZUP8_RAT	81771.24	7.24	Putative uncharacterized protein Lmbrd2	B4	60.42	2	2	4.3	2											
1248	Q8R4E1	TIP_RAT	67693.3	5.36	T-cell immunomodulatory protein	B4	41.7	1	1	2.3	2											
1249	D3ZP91	D3ZP91_RAT	78508.45	6.13	Putative uncharacterized protein Atg7	B4	41.11	2	2	3.3	2											
1250	Q04931	SSRP1_RAT	81206.49	6.45	FACT complex subunit SSRP1	B6	48.21	2	2	4.1	2											
1251	D4A832	D4A832_RAT	56827.18	8.42	Putative uncharacterized protein Slc43a3	B6	44.8	2	2	3.4	2											
1252	Q4QQS1	T184A_RAT	47361.19	8.74	Transmembrane protein 184A	B6	26.7	2	2	6.6	2											
1253	P13852	PRIO_RAT	28014.51	9.32	Major prion protein	B7	56.78	2	2	9.1	2											
1254	Q63055	ARFRP_RAT	23100.59	6.17	ADP-ribosylation factor-related protein 1	B9	97.27	2	2	13.9	2											
1255	Q6P9V1	Q6P9V1_RAT	26571.38	5.3	Cd81 protein	B9 (B10)	61.68	2	2	16.5	3											
1256	P18421	PSB1_RAT	26690.39	6.9	Proteasome subunit beta type-1	B9	51.47	2	2	8.8	2											
1257	Q5M7T4	YIPF4_RAT	27322.43	4.51	Protein YIPF4	B9	30.31	2	2	8.1	2											
1258	D3ZUL8	D3ZUL8_RAT	77459.74	4.69	Putative uncharacterized protein Zcchc8													B1	46.55	1	1	1.7	1
1259	Q3SYQ0	Q3SYQ0_RAT	48301.07	8.47	Bmp2k protein (Fragment)													B1 (B2)	46.23	1	1	3.5	2
1260	D3ZVD8	D3ZVD8_RAT	22090.09	5.7	Putative uncharacterized protein Hdac6													B2 (B3)	44.75	1	1	5.6	2
1261	D4A1J6	D4A1J6_RAT	130016.83	5.62	Putative uncharacterized protein Ankfy1													B2	37.5	1	1	0.9	1
1262	Q4V7C6	GUAA_RAT	77507.12	6.21	GMP synthase [glutamine-hydrolyzing]													B4	62.12	1	1	2.9	1
1263	Q9QXY4	OGFR_RAT	65258	4.57	Opioid growth factor receptor													B4	45.15	1	1	2.1	1
1264	D3ZAF5	D3ZAF5_RAT	90683.41	7.27	Periostin, osteoblast specific factor (Predicted), isoform CRA_a													B4	44.06	1	1	2	1
1265	Q3MIF4	XYLB_RAT	58788.1	5.98	Xylulose kinase													B5	58.97	1	1	2.1	1
1266	O08651	SERA_RAT	57255.51	6.28	D-3-phosphoglycerate dehydrogenase													B5	54.99	1	1	3	1
1267	D3ZMY7	D3ZMY7_RAT	65280.47	5.81	Putative uncharacterized protein ENSRNOP00000027351													B5	49.28	1	1	2.3	1
1268	B4F7E4	B4F7E4_RAT	66325.25	6.07	Fpgt protein													B5	48.67	1	1	3.1	1
1269	D3ZJB8	D3ZJB8_RAT	59299.71	5.49	Ariadne homolog 2 (Drosophila) (Predicted), isoform CRA_a													B5	40.75	1	1	3.3	1
1270	D3ZZN3	D3ZZN3_RAT	75528.18	6.38	Putative uncharacterized protein Acss1													B5	39.23	1	1	1.6	1
1271	B0LT89	B0LT89_RAT	48244.69	5.29	Serine/threonine Ste20-like kinase 3													B6	84.02	1	1	3.5	1
1272	D3ZLS9	D3ZLS9_RAT	45225	6.74	Putative uncharacterized protein RGD13068	B6	61.2	1	1	3.5	1							B6	71.01	1	1	3.5	1
1273	Q5I0F0	Q5I0F0_RAT	40771.92	9	Developmentally regulated GTP binding protein 1													B6	63.38	1	1	3.8	1
1274	D4AAH6	D4AAH6_RAT	34072.07	7.41	Down syndrome critical region homolog 2 (Human) (Predicted), isoform CRA_b													B7 (B8)	60.39	1	1	3.5	2
1275	B5DF36	B5DF36_RAT	13173.9	7.89	Placenta-specific 8 (Predicted)	B8 (B10, B4, B6,	59.25	1	1	13.4	8	B10 (B1, B4, B6,	68.44	1	1	13.4	10	B9 (B10, B7, B8)	66.08	1	1	13.4	4
1276	D4A7C0	GPN2_RAT	34827.26	4.86	GPN-loop GTPase 2													B7	37.94	1	1	6.8	1
1277	Q64537	CPNS1_RAT	28665.99	5.29	Calpain small subunit 1													B8	67.03	1	1	5.6	1
1278	Q695P6	C5ARL_RAT	38724.8	6.54	C5a anaphylatoxin chemotactic receptor C5l	B8	48.14	1	1	3.5	1	B8	52.24	1	1	3.5	1	B8	61.29	1	1	3.5	1
1279	D4A4Y0	D4A4Y0_RAT	26659.48	5.75	Putative uncharacterized protein Exosc4	B8	41.98	1	1	4.9	1							B8	56.99	1	1	4.9	1
1280	P11232	THIO_RAT	12007.79	4.8	Thioredoxin	B10	85.34	1	1	12.4	1	B10 (B8)	66.79	1	1	12.4	2	B8	52.74	1	1	12.4	1
1281	D4A8G0	D4A8G0_RAT	21972.24	7.63	Putative uncharacterized protein Lsm12													B8	47.86	1	1	4.6	1
1282	O35263	PA1B3_RAT	25961.37	6.42	Platelet-activating factor acetylhydrolase IB subunit gamma													B8	43.71	1	1	3.9	1
1283	Q6P686	OSTF1_RAT	23881.94	5.46	Osteoclast-stimulating factor 1							B8	38.75	1	1	5.6	1	B8	41.87	1	1	5.6	1
1284	D3ZPU3	D3ZPU3_RAT	32333.21	9.2	Putative uncharacterized protein Hsd17b12	B8	51.24	1	1	5.2	1	B8	60.15	1	1	5.2	1	B8	41.32	1	1	5.2	1
1285	Q6AXN3	TMED5_RAT	26233.12	4.64	Transmembrane emp24 domain-containing protein 5													B9	79.55	1	1	5.2	1
1286	P40307	PSB2_RAT	23068.81	6.96	Proteasome subunit beta type-2													B9	60.52	1	1	5	1
1287	P0C5H9	MANF_RAT	20830.78	8.54	Mesencephalic astrocyte-derived neurotrophic factor													B9	46.06	1	1	8.4	1
1288	Q3MIE7	Q3MIE7_RAT	22188.47	5.67	COMM domain containing 9													B9	45.37	1	1	8.1	1
1289	D3Z862	D3Z862_RAT	32800.81	6.3	Putative uncharacterized protein Sppl2a													B9	43.56	1	1	6.2	1
1290	B2RZ37	REEP5_RAT	21645.09	8.26	Receptor expression-enhancing protein 5	B9	46.19	1	1	5.3	1	B9	50.35	1	1	5.3	1	B9	43.47	1	1	5.3	1
1291	Q6P4Z9	CSN8_RAT	23277.98	5.09	COP9 signalosome complex subunit 8													B9	42.78	1	1	6.7	1
1292	Q5XIN6	LETM1_RAT	83635.12	6.22	LETM1 and EF-hand domain-containing protein 1, mitochondrial							B4	72.6	1	1	1.6	1						
1293	P12527	LOX5_RAT	78778.66	5.84	Arachidonate 5-lipoxygenase							B4	46.97	1	1	2.2	1						
1294	O55006	O55006_RAT	27367.1	7.35	RoBo-1	B5	42.61	1	1	7.5	1	B5	44.63	1	1	7.5	1						
1295	O55012	PICA_RAT	69470.38	8.58	Phosphatidylinositol-binding clathrin assembly protein							B5	42.75	1	1	1.9	1						
1296	Q4G058	Q4G058_RAT	14228.21	9.92	RCG42593, isoform CRA_a							B5	39.34	1	1	5.7	1						
1297	Q9JLY8	Q9JLY8_RAT	41267.92	8.7	Chemokine (C-C motif) receptor 1							B5	38.33	1	1	3.4	1						
1298	Q9QX71	Q9QX71_RAT	46000.09	9.07	Napsin							B6	43.76	1	1	4.3	1						
1299	Q6AYE2	SHLB1_RAT	41046.87	5.78	Endophilin-B1							B6	39.41	1	1	4.1	1						
1300	D3ZVY7	D3ZVY7_RAT	21377.36	7.72	Putative uncharacterized protein ENSRNOP00000063651							B6	37.47	1	1	3.7	1						

1301	O08565	CXCR4_RAT	39821.64	8.27	C-X-C chemokine receptor type 4							B6 (B8)	37.43	1	1	3.4	2						
1302	Q4KLN2	Q4KLN2_RAT	50509.74	9.2	Mtx1 protein (Fragment)							B7	57.35	1	1	3.4	1						
1303	B2GUZ9	B2GUZ9_RAT	37037.76	5.76	Fam49b protein							B7	41.53	1	1	3.1	1						
1304	Q5PPM8	TM55B_RAT	31056.44	9.17	Transmembrane protein 55B							B7	40.28	1	1	3.9	1						
1305	Q4KLK0	Q4KLK0_RAT	16933.52	7.55	Syntaxin 11							B7	37.67	1	1	6.3	1						
1306	Q5RJY4	DRS7B_RAT	35661.74	9.61	Dehydrogenase/reductase SDR family member 7B							B8	58.09	1	1	4.6	1						
1307	B5DEF5	B5DEF5_RAT	34714.62	5.44	Slc39a1 protein							B8	45.95	1	1	3.7	1						
1308	D3ZC50	D3ZC50_RAT	20451.19	8.16	Putative uncharacterized protein ENSRNOP00000050817							B8	41.96	1	1	7	1						
1309	P21670	PSA4_RAT	29764.28	7.59	Proteasome subunit alpha type-4							B8	40.8	1	1	3.8	1						
1310	Q6AYQ8	FAHD1_RAT	24749.69	7.62	Fumarylacetoacetate hydrolase domain-containing protein 1							B8	40.26	1	1	7.2	1						
1311	Q5XIF7	Q5XIF7_RAT	13780.96	8.74	Nicotinamide nucleotide adenylyltransferase 3							B8	38.41	1	1	8.2	1						
1312	Q9Z142	TMM33_RAT	28306.92	9.72	Transmembrane protein 33							B9	75.08	1	1	4.9	1						
1313	Q75Q40	TOM40_RAT	38294.31	8.62	Mitochondrial import receptor subunit TOM4	B9	64.39	1	1	4.2	1	B9	73.98	1	1	4.2	1						
1314	D3ZR95	D3ZR95_RAT	11451.12	4.14	Putative uncharacterized protein ENSRNOP	B9	55.09	1	1	9.9	1	B9	58.8	1	1	9.9	1						
1315	Q62876	SNG1_RAT	25880.41	4.49	Synaptogyrin-1							B9	38.62	1	1	5.1	1						
1316	D3ZF12	D3ZF12_RAT	20371.58	8.67	Putative uncharacterized protein ENSRNOP00000062708							B9	38.55	1	1	6.7	1						
1317	O35820	RCL_RAT	17940.88	4.95	Deoxyribonucleoside 5'-monophosphate N-glycosidase							B9	37.6	1	1	5.5	1						
1318	D3ZR91	D3ZR91_RAT	11587.95	7.66	Putative uncharacterized protein Ifitm6	B10	39.09	1	1	15.4	1	B10	75.91	1	1	15.4	1						
1319	D4A786	D4A786_RAT	6434.38	9.84	Putative uncharacterized protein ENSRNOP00000061817							B10	66.04	1	1	25.9	1						
1320	B2RZD1	B2RZD1_RAT	10039.13	11.57	Sec61 beta subunit							B10	55.04	1	1	15.6	1						
1321	Q6AXS4	RENR_RAT	39057.28	5.36	Renin receptor	B10	53.38	1	1	3.7	1	B10	45.85	1	1	3.7	1						
1322	D3ZSP1	D3ZSP1_RAT	10810.64	9.2	Putative uncharacterized protein Snrpe							B10	42.92	1	1	12	1						
1323	Q7TQ16	QCR8_RAT	9843.21	10.52	Cytochrome b-c1 complex subunit 8							B10	39.14	1	1	15.9	1						
1324	D3ZCZ9	D3ZCZ9_RAT	13202.78	9.33	Putative uncharacterized protein LOC692052							B10	37.74	1	1	12.9	1						
1325	B4F783	B4F783_RAT	102243.16	6.5	RGD1308009 protein (Fragment)	B1	48.42	1	1	1.1	1												
1326	Q4KLH1	Q4KLH1_RAT	17175.47	4.5	Ascc3l1 protein	B2	53.56	1	1	10.6	1												
1327	Q3YAF8	Q3YAF8_RAT	42863.68	6.5	Adiponectin receptor 1	B2	46.58	1	1	3.2	1												
1328	Q4FZU6	ANXA8_RAT	36910.69	5.55	Annexin A8	B2	45.7	1	1	4.6	1												
1329	Q5U2W8	Q5U2W8_RAT	64761.4	8.58	Similar to POT1-like telomere end-binding pr	B3	43.75	1	1	1	1												
1330	B0BNE1	B0BNE1_RAT	28416.7	8.71	Mediator complex subunit 6	B3	37.86	1	1	2.8	1												
1331	D3ZYF5	D3ZYF5_RAT	56187.8	5.59	Putative uncharacterized protein Trim58	B5	62.43	1	1	2.1	1												
1332	D3ZU40	D3ZU40_RAT	56218.75	6.45	Putative uncharacterized protein Tmem104	B5	39.8	1	1	2.2	1												
1333	Q64194	LICH_RAT	45498.7	6.56	Lysosomal acid lipase/cholesteryl ester hydr	B6	65.38	1	1	3.3	1												
1334	Q5XIP6	Q5XIP6_RAT	42924.2	8.68	Fen1 protein	B6	51.75	1	1	4.5	1												
1335	Q5RJK6	Q5RJK6_RAT	43731.21	4.95	Inositol polyphosphate-1-phosphatase	B6	41.62	1	1	2.3	1												
1336	Q63745	Q63745_RAT	44923.48	6.61	Protein tyrosine phosphatase	B6	40.58	1	1	4.2	1												
1337	P81799	NAGK_RAT	37457.81	5.55	N-acetyl-D-glucosamine kinase	B7	64.26	1	1	3.8	1												
1338	P43138	APEX1_RAT	35915.24	8.04	DNA-(apurinic or apyrimidinic site) lyase	B7	56.05	1	1	5.4	1												
1339	D4A415	D4A415_RAT	47145.12	5.89	Putative uncharacterized protein Fam175b	B7	40.06	1	1	4.1	1												
1340	D3ZZR5	D3ZZR5_RAT	28414.14	8.92	Putative uncharacterized protein ENSRNOP	B8	49.4	1	1	5.5	1												
1341	D3ZE08	D3ZE08_RAT	13478.94	9.39	Putative uncharacterized protein ENSRNOP	B8	40.4	1	1	10.9	1												
1342	Q920P0	DCXR_RAT	25931.48	6.82	L-xylulose reductase	B8	38.96	1	1	4.9	1												
1343	B0BNM1	B0BNM1_RAT	31212.87	6.43	Apoa1bp protein	B8	38.54	1	1	4.3	1												
1344	Q5BJU0	Q5BJU0_RAT	23612.81	5.74	RCG40097	B8	38.24	1	1	5.9	1												
1345	Q69BT7	TPPC4_RAT	24457.5	5.83	Trafficking protein particle complex subunit 4	B9	69.46	1	1	6.4	1												
1346	D3ZE46	D3ZE46_RAT	19382.1	8.55	Adaptor-related protein complex 1, sigma 2 s	B9	50.17	1	1	6.9	1												
1347	Q498C8	RER1_RAT	23086.94	9.54	Protein RER1	B9	40.39	1	1	5.6	1												
1348	Q6P742	PLP2_RAT	16830.77	6.7	Proteolipid protein 2	B10	54.74	1	1	7.9	1												