

Supplementary Table. Proteins identified from HF5 fractions of a human serum sample with or without denaturation and proteins identified from the same serum sample without HF5 separation. Membrane proteins are marked as bold characters.

#	Name	Accession	MW	peptides		
				HF5	HF5 in SDS	Without HF5
1	102 kDa protein	IPI00793403.1	102221.7	1		
2	21 kDa protein	IPI00744985.1	21361.2	1		
3	21 kDa protein	IPI00816378.1	21476.8	1		
4	293 kDa protein	IPI00400765.2	292700.9	1		
5	2-aminoadipic 6-semialdehyde dehydrogenase	IPI00419992.4	122518.8	1		
6	31 kDa protein	IPI00166417.7	30556.0	1		
7	34 kDa protein	IPI00796094.1	34405.0	1		
8	36 kDa protein	IPI00477150.3	36441.6	1		
9	38 kDa protein	IPI00008669.2	38461.3	1		
10	45 kDa protein	IPI00022733.3	44818.4	1		
11	5-aminolevulinic synthase, nonspecific, mitochondrial precursor	IPI00007266.1	70535.7	1		
12	8 kDa protein	IPI00791160.1	8273.3	1		
13	ADAMTS-15 precursor	IPI00152637.1	103220.4	1		
14	ADARB2 protein	IPI00395952.1	14584.4	1		
15	alpha-2-glycoprotein 1, zinc	IPI00166729.4	34237.1	1		
16	ataxia telangiectasia mutated protein isoform 2	IPI00289986.2	195850.9	1		
17	Beta crystallin B2	IPI00218748.3	23365.4	1		
18	Beta-neoendorphin-dynorphin precursor	IPI00000832.1	28367.2	1		
19	Bombesin receptor subtype-3	IPI00027686.1	44382.1	1		
20	Brefeldin A-inhibited guanine nucleotide-exchange protein 2	IPI00002186.4	201935.2	1		
21	CAD protein	IPI00301263.2	242827.1	1		
22	CD180 antigen precursor	IPI00023722.1	74118.1	1		
23	CDNA FLJ14381 fis, clone HEMBA1001824, highly similar to Homo sapiens nuclear protein NP94 mRNA	IPI00064534.1	45902.7	1		
24	CDNA FLJ37932 fis, clone CTONG2004941	IPI00748804.1	18550.6	1		
25	CDNA FLJ39660 fis, clone SMINT2006801	IPI00176356.3	34219.0	1		
26	CDNA FLJ43079 fis, clone BRTHA3016917, weakly similar to Valyl-tRNA synthetase 2	IPI00289801.2	55086.8	1		
27	centaurin, gamma 3 isoform a	IPI00163185.8	97890.8	1		
28	CGI-07 protein	IPI00101049.2	57548.0	2		
29	Chromosome 14 open reading frame 131	IPI00001180.2	45598.7	1		
30	Ciliary dynein heavy chain 7	IPI00180384.2	460845.6	1		
31	CNKSR family member 3	IPI00411298.5	61864.9	1		
32	CNOT6 protein	IPI00152061.3	10260.2	2		
33	Coagulation factor V	IPI00022937.3	252146.1	2		
34	Coiled-coil domain-containing protein 22	IPI00022265.3	70712.3	1		
35	Conserved hypothetical protein	IPI00748393.1	9695.0	1		
36	Conserved hypothetical protein	IPI00646634.2	17192.8	2		
37	Conserved hypothetical protein	IPI00743230.1	10488.2	3		
38	Cupredoxin domain containing protein	IPI00744009.1	10830.5	1		
39	CXXC-type zinc finger protein 6	IPI00303112.2	235159.8	1		
40	D(1A) dopamine receptor	IPI00010289.1	49261.4	1		
41	Dihydrofolate reductase-like protein 1	IPI00219558.3	21606.2	1		
42	Dysferlin_v1	IPI00020210.2	237228.6	1		
43	EF-hand calcium binding domain 4B	IPI00013398.2	45563.7	1		
44	Estrogen sulfotransferase	IPI00028623.1	35103.6	1		
45	Eukaryotic translation initiation factor 2 subunit 3	IPI00297982.7	51077.3	1		
46	Glutathione peroxidase 1	IPI00745331.1	19892.2	1		
47	GREB1 protein isoform a	IPI00478472.2	216545.6	2		
48	Hemoglobin subunit delta	IPI00473011.3	16045.3	1		
49	Hemoglobin subunit epsilon	IPI00217471.3	16192.5	1		
50	HSF1 protein (Fragment)	IPI00654729.1	21684.5	1		
51	Hypothetical protein	IPI00383271.2	11844.7	1		
52	Hypothetical protein	IPI00746924.1	4399.0	1		
53	Hypothetical protein	IPI00788979.1	14529.4	1		

54	Hypothetical protein	IPI00789489.1	20083.8	1
55	Hypothetical protein DKFZp686C2281	IPI00470874.1	71816.0	1
56	Hypothetical protein FLJ25416	IPI00217620.3	111478.8	1
57	hypothetical protein LOC221322	IPI00253835.6	144662.6	1
58	Hypothetical protein LOC222967	IPI00168608.2	100493.7	1
59	hypothetical protein LOC84848	IPI00807433.1	19659.1	2
60	IMP dehydrogenase/GMP reductase family protein	IPI00306791.2	143772.1	1
61	Isoform 1 of Bullous pemphigoid antigen 1, isoforms 1/2/3/4/5/8 (Fragment)	IPI00008756.5	371976.9	1
62	Isoform 1 of Calpain-9	IPI00009063.1	79046.8	1
63	Isoform 1 of CD166 antigen precursor	IPI00015102.2	65061.2	1
64	Isoform 1 of CMRF35-H antigen precursor	IPI00414784.4	33179.9	1
65	Isoform 1 of Disks large-associated protein 2 (Fragment)	IPI00033086.4	113767.5	1
66	Isoform 1 of Exostosin-2	IPI00004047.1	82202.0	1
67	Isoform 1 of Gametogenetin	IPI00167943.3	66657.6	1
68	Isoform 1 of Gamma-tubulin complex component 2	IPI00029705.2	102469.0	1
69	Isoform 1 of Histone-arginine methyltransferase CARM1	IPI00412880.2	63419.3	1
70	Isoform 1 of IWS1 homolog	IPI00296432.1	91899.2	1
71	Isoform 1 of JmjC domain-containing histone demethylation protein 3C	IPI00027642.5	119904.8	1
72	Isoform 1 of Nitric oxide synthase, inducible	IPI00017304.1	131033.4	1
73	Isoform 1 of PDZ domain-containing RING finger protein 3	IPI00010322.5	119521.0	1
74	Isoform 1 of Plexin-A2 precursor	IPI00719621.2	212518.0	1
75	Isoform 1 of PX domain-containing protein kinase-like protein	IPI00479912.3	64909.1	1
76	Isoform 1 of Roundabout homolog 1 precursor	IPI00219798.1	180816.9	1
77	Isoform 1 of Signal peptide, CUB and EGF-like domain-containing protein 2 precursor	IPI00024880.2	109884.1	1
78	Isoform 1 of Transient receptor potential cation channel subfamily M member 3	IPI00328399.2	197402.3	1
79	Isoform 1 of Uncharacterized protein C10orf118	IPI00470582.2	103622.9	1
80	Isoform 1 of Uncharacterized protein C12orf42	IPI00294828.9	39699.1	1
81	Isoform 1 of Uncharacterized protein C14orf104	IPI00018698.3	36920.1	1
82	Isoform 1 of Wings apart-like protein homolog	IPI00375330.6	132862.6	1
83	Isoform 1 of WW domain-binding protein 7	IPI00218823.3	293509.4	1
84	Isoform 1 of Zinc finger and BTB domain-containing protein 44	IPI00419939.3	63807.2	1
85	Isoform 10 of Myotonin-protein kinase	IPI00215958.1	59752.1	1
86	Isoform 2 of Basic FGF-repressed Zic-binding protein	IPI00219889.2	31497.0	1
87	Isoform 2 of E3 ubiquitin-protein ligase RING1	IPI00455876.2	39121.2	1
88	Isoform 2 of Leukocyte-associated immunoglobulin-like receptor 1 precursor	IPI00028015.2	29821.1	1
89	Isoform 2 of Microtubule-associated serine/threonine-protein kinase 2	IPI00480046.2	176022.2	1
90	Isoform 2 of Netrin receptor UNC5D precursor	IPI00103755.1	105423.8	1
91	Isoform 2 of PDZ and LIM domain protein 2	IPI00383278.3	23115.9	1
92	Isoform 2 of Proline-rich protein 12	IPI00181759.6	121841.7	1
93	Isoform 2 of Reelin precursor	IPI00241562.3	387964.7	1
94	Isoform 2 of Vacuolar protein sorting-associated protein 53 homolog	IPI00181824.1	76303.4	1
95	Isoform 3 of PAP-associated domain-containing protein 5	IPI00643763.2	68319.2	1
96	Isoform 3 of PCI domain-containing protein 2	IPI00072541.4	43346.5	1
97	Isoform 3 of Protein GPR107 precursor	IPI00184474.7	33363.3	1
98	Isoform 3 of Serine/threonine-protein kinase SMG1	IPI00183368.7	340512.9	1
99	Isoform 3 of Uncharacterized protein KIAA0423	IPI00439761.4	166060.0	1
100	Isoform 4 of Vacuolar protein sorting-associated protein 13B	IPI00376436.1	97308.6	1
101	Isoform A of Arachidonate 15-lipoxygenase type II	IPI00005781.3	75851.0	1
102	Isoform B of Oxysterol-binding protein-related protein 1	IPI00075080.2	108401.1	1
103	Isoform JM-A of Receptor tyrosine-protein	IPI00016371.1	146712.7	1

	kinase erbB-4 precursor			
104	Isoform Long of Protein-glutamine gamma-glutamyltransferase 5	IPI00012876.8	80797.6	1
105	Isoform Long of Protocadherin alpha C2 precursor	IPI00001516.1	109382.8	1
106	Isoform Long of Segment polarity protein dishevelled homolog DVL-1-like	IPI00008404.1	73208.2	1
107	Isoform Long of Very low-density lipoprotein receptor precursor	IPI00024273.1	96035.5	1
108	Isoform PLD1A of Phospholipase D1	IPI00012865.1	124105.9	1
109	Isoform XB of Tenascin-X precursor	IPI00025276.1	464165.9	1
110	Jagged-1 precursor	IPI00099650.2	133708.4	1
111	KIAA1546 protein (Fragment)	IPI00175151.5	90002.2	1
112	Laminin subunit alpha-1 precursor	IPI00375294.2	336939.6	1
113	Leucine-rich alpha-2-glycoprotein precursor	IPI00022417.4	38154.1	1
114	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial precursor	IPI00003944.1	53453.0	1
115	Low-density lipoprotein receptor-related protein 2 precursor	IPI00024292.1	521587.6	1
116	LP8151	IPI00428712.1	18345.3	1
117	LRAP protein	IPI00382999.1	40034.4	1
118	LRRFIP1 protein	IPI00386687.2	71733.3	1
119	Lumican precursor	IPI00020986.2	38404.8	2
120	Lysosomal protective protein precursor	IPI00021794.8	54431.2	1
121	Lysyl oxidase homolog 4 precursor	IPI00306402.3	84429.1	1
122	methyltransferase like 2B	IPI00181997.7	43398.3	1
123	Microsomal triglyceride transfer protein large subunit precursor	IPI00296645.3	99288.9	1
124	mitochondrial ribosomal protein L42 isoform b	IPI00332525.6	16591.0	1
125	Mitogen-activated protein kinase 4	IPI00010156.1	62583.9	1
126	Multimerin-1 precursor	IPI00012269.2	138078.2	1
127	Myosin-XV	IPI00152380.3	394925.0	1
128	Nedd4 binding protein 1	IPI00005667.3	100315.8	1
129	Nucleoprotein TPR	IPI00022970.4	265705.0	1
130	Paired amphipathic helix protein Sin3a	IPI00170596.1	145084.2	1
131	PDZ and LIM domain protein 5	IPI00007935.4	63931.6	1
132	Plasma retinol-binding protein precursor	IPI00022420.3	22995.3	2
133	Plexin-A1 precursor	IPI00552671.2	210951.9	1
134	potassium channel, subfamily T, member 2	IPI00398421.1	130417.2	2
135	Probable histone-lysine N-methyltransferase ASH1L	IPI00020546.2	332580.0	1
136	Procollagen C-endopeptidase enhancer 1 precursor	IPI00299738.1	47942.0	1
137	Profilin-4	IPI00169306.1	14310.4	1
138	Proteinase-activated receptor 1 precursor	IPI00296869.5	47409.2	1
139	Putative uncharacterized protein C14orf70	IPI00384149.1	12081.4	1
140	R3H domain containing 2	IPI00007227.5	75262.2	2
141	Regenerating islet-derived protein 3 gamma precursor	IPI00394807.3	19317.4	1
142	Retinoblastoma-associated protein	IPI00302829.5	106091.7	1
143	Rheumatoid factor D5 light chain (Fragment)	IPI00816799.1	12758.5	1
144	Rho GTPase activating protein 20	IPI00012622.5	132524.5	1
145	similar to 60S ribosomal protein L23a	IPI00001310.8	17702.8	1
146	similar to apical early endosomal glycoprotein	IPI00238575.5	131248.7	1
147	similar to BAH domain and coiled-coil containing 1	IPI00737760.2	289562.6	1
148	similar to CG3173-PA isoform 7	IPI00737363.2	256321.7	1
149	similar to fem-1 homolog a	IPI00335181.4	31180.9	1
150	similar to growth inhibition and differentiation related protein 86	IPI00000264.4	53226.7	1
151	Similar to hepatitis C virus core-binding protein 6; cervical cancer oncogene 3	IPI00374136.3	16468.6	1
152	similar to hepatoma-derived growth factor-related protein 2	IPI00787284.1	35456.7	1
153	similar to kelch-like 9	IPI00052403.5	74976.6	1
154	similar to postmeiotic segregation increased 2-like	IPI00787642.1	47727.6	1

2				
155	similar to StAR-related lipid transfer protein 9	IPI00514002.3	477345.3	2
156	similar to Ubiquitin carboxyl-terminal hydrolase 22 (Ubiquitin thioesterase 22) (Ubiquitin-specific-processing protease 22) (Deubiquitinating enzyme 22) isoform 1	IPI00010365.3	88153.1	1
157	similar to zinc finger protein 91	IPI00787512.1	20706.2	1
158	Soluble CD44 (Fragment)	IPI00743228.1	3939.3	1
159	solute carrier family 25, member 25 isoform c	IPI00289851.4	56087.0	1
160	Structural maintenance of chromosomes protein 1B	IPI00479260.1	144589.1	1
161	Suppressor of cytokine signaling 5	IPI00022271.1	61207.5	1
162	Suppressor of variegation 4-20 homolog 2	IPI00013441.3	52080.2	1
163	Synaptotagmin-6	IPI00180851.6	57346.5	1
164	Tektin-2	IPI00296387.2	50311.8	1
165	Tetratricopeptide repeat domain 26	IPI00328172.1	64136.5	1
166	Transforming gene product TGAT	IPI00384882.1	29925.1	1
167	Transmembrane protein 16M	IPI00259382.6	10747.5	1
168	transmembrane protein 63B	IPI00514538.1	94896.3	1
169	Tripartite motif-containing protein 17	IPI00479218.2	54383.2	1
170	Uncharacterized protein C10orf6	IPI00293188.5	131791.5	1
171	Uncharacterized protein C20orf152	IPI00097257.2	67468.4	1
172	Uncharacterized protein C20orf175	IPI00065532.5	66055.2	1
173	UV radiation resistance-associated gene protein	IPI00002614.3	78102.3	1
174	WD repeat protein 75	IPI00217240.1	94438.4	1
175	Zinc finger HIT domain-containing protein 4	IPI00640853.1	37195.3	1
176	Zinc finger protein 2 homolog	IPI00105638.4	52706.0	2
177	Zinc finger protein 226	IPI00302693.6	91861.7	1
178	Zinc finger protein 337	IPI00000110.3	86819.3	1
179	Zinc finger protein 366	IPI00167408.1	85052.1	1
180	Zinc finger protein 646	IPI00004419.3	200634.6	1
181	Zinc finger protein 677	IPI00334201.1	67952.6	2
182	5 kDa protein	IPI00796536.1	5309.6	2
183	ALB protein	IPI00216773.4	45130.5	1
184	Ankyrin repeat domain-containing protein 15	IPI00339320.5	147196.0	1
185	CDNA FLJ41733 fis, clone HLUNG2017806	IPI00410542.1	19222.6	1
186	Conserved hypothetical protein	IPI00745193.1	20604.7	1
187	hematopoietic signal peptide-containing isoform 2	IPI00419642.2	27329.8	1
188	Histidine-rich glycoprotein precursor	IPI00022371.1	59540.9	2
189	hydrocephalus inducing isoform a	IPI00647188.2	575454.6	1
190	hypothetical protein	IPI00374301.5	98339.7	1
191	Hypothetical protein DKFZp686A21204	IPI00384911.3	113485.2	1
192	Hypothetical short protein	IPI00796405.1	7528.7	1
193	Ig kappa chain V-III region B6	IPI00387113.1	11627.8	1
194	Isoform 1 of 2-acylglycerol O-acyltransferase 3	IPI00328886.2	38704.9	1
195	Isoform 2 of Integral membrane protein GPR175	IPI00103792.4	26271.8	1
196	Isoform 2 of Nuclear mitotic apparatus protein 1	IPI00006196.2	236385.3	1
197	Isoform 2 of Titin	IPI00023283.3	3802596.0	1
198	Isoform 4 of Zinc finger protein 41	IPI00221195.1	79487.0	1
199	Keratin, type I cytoskeletal 10	IPI00009865.1	59482.8	1
200	Keratin, type I cytoskeletal 9	IPI00019359.3	62091.8	1
201	Keratin-associated protein 10-12	IPI00394683.1	25088.1	2
202	Killer cell lectin-like receptor subfamily B member 1	IPI00032471.2	25398.8	1
203	Oxygen-regulated protein 1	IPI00011044.1	240509.6	1
204	Serum paraoxonase/arylesterase 1	IPI00218732.3	39724.2	1
205	13 kDa protein	IPI00141902.4	13373.3	1
206	14 kDa protein	IPI00032188.2	13756.2	1
207	15 kDa protein	IPI00747405.1	14984.8	1
208	17 kDa protein	IPI00790286.1	16771.1	1
209	17 kDa protein	IPI00790483.1	17338.9	1
210	18 kDa protein	IPI00246556.3	17525.1	1
211	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1	IPI00016736.1	148437.5	1

212	23 kDa protein	IPI00796255.1	22712.6	1
213	240 kDa protein	IPI00178675.2	240192.9	1
214	26 kDa protein	IPI00816390.1	25667.8	1
215	281 kDa protein	IPI00395649.1	281008.5	1
216	37 kDa protein	IPI00789310.1	36703.1	1
217	38kDa splicing factor	IPI00746612.1	34268.7	1
218	49 kDa protein	IPI00300945.7	48901.5	1
219	5 kDa protein	IPI00790676.1	4765.0	1
220	57 kDa protein	IPI00383111.2	56527.8	1
221	82 kDa protein	IPI00641785.4	82156.7	1
222	ACF7 protein	IPI00183169.5	450141.7	1
223	Acyl-CoA-binding domain-containing protein 7	IPI00398874.4	9784.1	1
224	ALMS1	IPI00178743.4	460907.3	1
225	Apolipoprotein E precursor	IPI00021842.1	36131.8	2
226	ATP12A protein	IPI00008161.8	115979.5	1
227	ATP-binding cassette sub-family A member 3	IPI00017800.2	191237.8	1
228	BRCA1-associated RING domain protein 1	IPI00017746.2	86593.0	1
229	C4b-binding protein alpha chain precursor	IPI00021727.1	66989.4	1
230	Calponin-1	IPI00021264.1	33149.6	1
231	Cd002 protein	IPI00165651.1	43466.5	1
232	CDC42 GAP-related protein (Fragment)	IPI00382580.1	25209.1	2
233	CDNA FLJ16301 fis, clone PLACE7000333	IPI00442234.1	28014.8	1
234	CDNA FLJ20306 fis, clone HEP06881	IPI00015650.1	13764.3	1
235	CDNA FLJ23658 fis, clone COLF3416	IPI00152702.3	54104.1	1
236	CDNA FLJ30134 fis, clone BRACE1000187, weakly similar to MICROTUBULE- ASSOCIATED PROTEIN 4	IPI00043863.1	58520.4	1
237	CDNA FLJ34089 fis, clone FCBBF3006249, moderately similar to Mus musculus prominin- like protein mRNA	IPI00177880.3	86199.9	1
238	CDNA: FLJ22761 fis, clone KAIA0893	IPI00302502.5	36565.9	1
239	Cell division cycle 2-related protein kinase 7	IPI00021175.1	164053.2	1
240	Cell division cycle protein 20 homolog	IPI00329526.3	54688.7	1
241	Cell division protein kinase 6	IPI00023529.1	36915.1	1
242	Chloride anion exchanger	IPI00031036.1	84451.3	1
243	Coagulation factor XII precursor	IPI00019581.1	67774.1	1
244	coiled-coil domain containing 66	IPI00401020.6	96569.6	1
245	Coiled-coil domain-containing protein 14	IPI00396060.2	83547.6	1
246	Coiled-coil domain-containing protein 25	IPI00396174.4	24463.1	1
247	Collagen alpha-2(V) chain precursor	IPI00739099.1	144631.1	1
248	complement component 4B preproprotein	IPI00418163.3	192629.6	1
249	Complement component C6 precursor	IPI00009920.2	105683.3	1
250	Conserved hypothetical protein	IPI00745149.1	7106.9	1
251	contactin associated protein-like 5 isoform 1	IPI00292300.3	145530.2	1
252	CRSP complex subunit 6	IPI00301139.5	72830.6	1
253	Cytoskeleton-associated protein 2-like	IPI00328291.2	83535.3	1
254	DC-STAMP domain containing 1	IPI00641631.1	75687.8	1
255	Dihydropyrimidinase-related protein 4	IPI00022388.2	61838.5	1
256	DNA repair protein RAD51 homolog 3	IPI00012829.1	42162.9	1
257	Dynein intermediate chain 1, axonemal	IPI00006030.1	79232.8	1
258	E3 SUMO-protein ligase RanBP2	IPI00221325.3	357972.3	1
259	echinoderm microtubule associated protein like 5	IPI00418790.2	208721.2	1
260	Endothelial cells scavenger receptor precursor	IPI00066367.1	87372.9	1
261	Endothelial zinc finger protein induced by tumor necrosis factor alpha	IPI00021547.2	54462.4	1
262	eukaryotic translation initiation factor 2-alpha kinase 3	IPI00303053.5	125153.4	1
263	Eukaryotic translation initiation factor 5A-2	IPI00006935.3	16782.2	1
264	family with sequence similarity 13, member A1 isoform a	IPI00006680.2	116859.0	1
265	FH1/FH2 domain-containing protein	IPI00001730.3	126472.8	1
266	Fibroblast growth factor 13	IPI00552068.2	29441.8	1
267	FKBP12-rapamycin complex-associated protein	IPI00031410.1	288705.3	1
268	FLJ00280 protein (Fragment)	IPI00442358.1	47075.4	1
269	Gigaxonin	IPI00022758.3	67594.8	1
270	Glycerophosphodiester phosphodiesterase	IPI00102275.3	61688.5	1

	domain-containing protein 2			
271	GMP synthase	IPI00029079.5	76667.1	1
272	Granzyme M precursor	IPI00016282.1	27428.5	1
273	H_YH95C04.1 protein (Fragment)	IPI00026189.1	15570.0	1
274	H53_GS1 (Fragment)	IPI00307702.3	57980.4	1
275	Heat-stable enterotoxin receptor precursor	IPI00012491.1	123289.8	1
276	HECT domain and RCC1-like domain-containing protein 2	IPI00005826.1	527139.8	1
277	HERV-K_5q33.3 provirus ancestral Pol protein	IPI00382531.2	114754.0	1
278	Histone acetyltransferase p300	IPI00020985.3	263971.7	1
279	HLA class II histocompatibility antigen, DW2.2/DR2.2 beta chain (Fragment)	IPI00472169.1	22950.3	1
280	Homeobox protein HMX1	IPI00004379.3	39201.2	1
281	Hook homolog 1	IPI00026305.1	84594.8	1
282	HsKin17 protein	IPI00017580.1	45345.5	1
283	human immunodeficiency virus type I enhancer binding protein 1	IPI00783879.2	296680.1	1
284	hyaluronoglucosaminidase 4	IPI00099438.2	54214.4	1
285	hypothetical protein	IPI00255145.5	104800.4	1
286	Hypothetical protein	IPI00447507.1	23862.3	1
287	Hypothetical protein	IPI00450939.1	4215.4	1
288	Hypothetical protein DKFZp686H02133	IPI00018026.2	51134.8	1
289	Hypothetical protein LOC162073	IPI00183879.2	58409.3	1
290	hypothetical protein LOC375316	IPI00738852.3	117910.9	1
291	hypothetical protein LOC51237	IPI00102821.4	20681.2	1
292	hypothetical protein LOC80208	IPI00101923.6	278687.7	1
293	Hypothetical protein LOC90693	IPI00061448.5	12521.7	1
294	IMP dehydrogenase/GMP reductase family protein	IPI00179851.3	124318.8	1
295	IMP dehydrogenase/GMP reductase family protein	IPI00217743.3	66301.4	1
296	Intercellular adhesion molecule 3 precursor	IPI00031620.1	59345.9	1
297	Intercellular adhesion molecule 5 precursor	IPI00290456.3	97270.1	1
298	Interferon-induced protein with tetratricopeptide repeats 3	IPI00024254.3	55949.6	1
299	Interleukin-19 precursor	IPI00028480.1 3	20378.5	1
300	Interleukin-7 precursor	IPI00007748.1	20173.5	1
301	invasion inhibitory protein 45 isoform 1	IPI00551070.2	42797.6	1
302	Isoform 1 of 3-hydroxyacyl-CoA dehydrogenase type-2	IPI00017726.1	26906.1	1
303	Isoform 1 of Ankyrin repeat domain-containing protein 25	IPI00470559.2	91118.0	1
304	Isoform 1 of Ankyrin repeat domain-containing protein 47	IPI00394818.4	88371.6	1
305	Isoform 1 of AT-rich interactive domain-containing protein 1B	IPI00015404.2	235972.3	1
306	Isoform 1 of Chromodomain helicase-DNA-binding protein 3	IPI00373870.3	226447.9	1
307	Isoform 1 of Collagen alpha-1(II) chain precursor	IPI00186460.7	134307.6	1
308	Isoform 1 of Cyclin-dependent kinase-like 3	IPI00217158.1	67471.2	1
309	Isoform 1 of Dedicator of cytokinesis protein 9	IPI00151888.4	236293.6	1
310	Isoform 1 of DNA-directed RNA polymerase I-associated factor 53 kDa subunit	IPI00251989.2	53928.0	1
311	Isoform 1 of Ectonucleotide pyrophosphatase/phosphodiesterase 2	IPI00156171.2	98939.6	1
312	Isoform 1 of Epidermal growth factor receptor kinase substrate 8-like protein 3	IPI00181833.3	66819.5	1
313	Isoform 1 of Fork head domain transcription factor AFX1	IPI00024316.3	53650.9	1
314	Isoform 1 of Fragile X mental retardation 1 protein	IPI00215720.1	66929.7	1
315	Isoform 1 of Homeobox protein cut-like 1	IPI00026673.4	164171.7	1
316	Isoform 1 of Leukocyte immunoglobulin-like receptor subfamily A member 1 precursor	IPI00009984.5	53241.1	1
317	Isoform 1 of Melanoma-associated antigen D2	IPI00009542.1	64914.5	1
318	Isoform 1 of Microtubule-associated serine/threonine-protein kinase-like	IPI00074258.3	97257.1	1

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319	Isoform 1 of Myosin-10	IPI00397526.2	228796.8	1
320	Isoform 1 of Myotubularin-related protein 13	IPI00654703.2	208331.4	1
321	Isoform 1 of Nasal embryonic luteinizing hormone-releasing hormone factor	IPI00465371.1	60105.5	1
322	Isoform 1 of Non-imprinted in Prader-Willi/Angelman syndrome region protein 1	IPI00394901.1	34539.4	1
323	Isoform 1 of Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein	IPI00295252.1	186084.9	1
324	Isoform 1 of Plexin-D1 precursor	IPI00412492.3	211958.5	1
325	Isoform 1 of Probable ATP-dependent RNA helicase DDX31	IPI00043990.3	94028.8	1
326	Isoform 1 of Probable helicase senataxin	IPI00142538.3	302760.2	1
327	Isoform 1 of Protein kinase-like protein Sgk071	IPI00470568.3	75627.2	1
328	Isoform 1 of Protein transport protein Sec61 subunit alpha isoform 1	IPI00218466.6	52230.6	1
329	Isoform 1 of Putative Polycomb group protein ASXL1	IPI00217537.2	165328.5	1
330	Isoform 1 of Receptor-type tyrosine-protein phosphatase T precursor	IPI00013096.4	164241.1	1
331	Isoform 1 of RING finger protein 31	IPI00094740.1	119575.1	2
332	Isoform 1 of Slit homolog 2 protein precursor	IPI00006288.1	169758.5	1
333	Isoform 1 of Sodium channel beta-4 subunit precursor	IPI00217376.1	24953.3	1
334	Isoform 1 of STE20-like serine/threonine-protein kinase	IPI00022827.1	142606.8	1
335	Isoform 1 of Tigger transposable element-derived protein 7	IPI00170921.2	63196.5	1
336	Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229.2	88493.5	1
337	Isoform 1 of Ubiquitin-activating enzyme E1-like protein 2	IPI00023647.4	117895.2	1
338	Isoform 1 of Uncharacterized protein C18orf54 precursor	IPI00217756.5	41784.7	1
339	Isoform 1 of Uncharacterized protein C9orf153	IPI00514957.1	11246.8	1
340	Isoform 1 of Zinc finger FYVE domain-containing protein 16	IPI00424460.3	168742.4	1
341	Isoform 1 of Zinc finger protein 563	IPI00184499.2	55397.6	1
342	Isoform 1 of Zinc finger protein 598	IPI00328737.2	98575.4	1
343	Isoform 2 of Apolipoprotein-L1 precursor	IPI00186903.3	45843.0	1
344	Isoform 2 of Endoplasmic reticulum-Golgi intermediate compartment protein 3	IPI00472099.2	44799.4	1
345	Isoform 2 of MutS protein homolog 5	IPI00172593.1	92944.6	1
346	Isoform 2 of N-acetylgalactosamine 4-sulfate 6-O-sulfotransferase	IPI00384334.2	58071.8	2
347	Isoform 2 of Scm-like with four MBT domains protein 1	IPI00051243.3	93106.6	1
348	Isoform 2 of Sodium channel protein type 2 subunit alpha	IPI00220666.2	228974.8	1
349	Isoform 2 of Succinyl-CoA ligase [ADP-forming] beta-chain, mitochondrial precursor	IPI00217232.2	48009.1	1
350	Isoform 2 of Uncharacterized protein C7orf26	IPI00031632.1	39002.4	1
351	Isoform 3 of Lysosomal-trafficking regulator	IPI00017094.9	429056.6	1
352	Isoform 6 of ELMO domain-containing protein 3	IPI00796589.2	44316.2	1
353	Isoform A of Hepatocyte nuclear factor 1-beta	IPI00020078.1	61285.5	1
354	Isoform A of Protocadherin-7 precursor	IPI00001893.2	116033.6	1
355	Isoform Ag of Odorant-binding protein 2a precursor	IPI00221282.1	25997.4	1
356	Isoform Short of Sulfotransferase 1C1	IPI00011290.1	34857.4	1
357	Isoform UNPEL of Ubiquitin carboxyl-terminal hydrolase 4	IPI00011836.2	108495.9	1
358	Keratin-75	IPI00005859.2	59524.1	1
359	KIAA1602 protein (Fragment)	IPI00289029.5	94754.6	1
360	Kinesin-like protein KIF15	IPI00024975.2	160060.4	1
361	Kinesin-like protein KIF26B	IPI00397820.3	223741.7	1
362	KRAB box family protein	IPI00375655.4	54417.4	1

363	KRT17 protein	IPI00747707.1	41046.8	1
364	Leucine-rich repeat-containing protein 8C	IPI00152642.3	92332.1	1
365	lipid storage droplet protein 5	IPI00444179.2	57246.2	1
366	Macrophage receptor MARCO	IPI00009521.1	52625.4	1
367	Melanoma-associated antigen E1	IPI00015306.4	103189.7	1
368	Membrane-bound transcription factor site-1 protease precursor	IPI00021569.1	117674.0	1
369	Mitogen-activated protein kinase kinase kinase 5	IPI00412433.1	154439.3	1
370	MORC family CW-type zinc finger protein 4	IPI00163550.2	106281.0	1
371	Myeloid leukemia factor 2	IPI00023095.1	28129.2	1
372	myomesin 1	IPI00434580.4	187532.8	1
373	Myosin-9	IPI00019502.3	226390.6	1
374	NAG-5 protein	IPI00009310.1	76497.4	1
375	Neutrophil cytosol factor 2	IPI00021070.3	59723.6	1
376	Nicotinic acid receptor 2	IPI00025628.2	44466.0	1
377	OTTHUMP00000017446	IPI00642043.1	119238.5	1
378	OTTHUMP00000031495	IPI00065547.2	15247.9	1
379	OTTHUMP00000042125	IPI00335617.2	22023.6	1
380	PAS domain containing 1	IPI00167383.2	87373.5	1
381	PDZ domain-containing guanine nucleotide exchange factor I	IPI00008865.3	137049.4	1
382	Peroxisomal membrane protein 11B	IPI00021978.1	28413.2	1
383	Phosphatidylinositol N-acetylglucosaminyltransferase family protein	IPI00745900.1	12440.3	1
384	Polyribonucleotide nucleotidyltransferase 1, mitochondrial precursor	IPI00291165.7	85896.7	1
385	Potassium voltage-gated channel subfamily B member 1	IPI00033019.2	95816.7	1
386	PRO0327	IPI00022982.1	14149.0	1
387	Protein kinase C-binding protein NELL1 precursor	IPI00023754.3	89545.8	1
388	Putative uncharacterized protein C1orf120	IPI00374777.1	10259.9	1
389	Rab GDP dissociation inhibitor beta	IPI00031461.1	50630.9	1
390	Ral guanine nucleotide exchange factor RalGPS1A	IPI00041588.1	58938.3	1
391	RANBP2-like and GRIP domain-containing protein 7	IPI00100787.2	103268.9	1
392	Ras-related protein Rab-13	IPI00016373.3	22759.7	1
393	Replication factor C subunit 3	IPI00031521.1	40529.9	1
394	RFVG5814	IPI00432762.1	21150.9	1
395	Ribosomal protein SA	IPI00413108.4	33292.7	1
396	RICS protein	IPI00480127.5	61423.1	1
397	RNA polymerase-associated protein RTF1 homolog	IPI00303832.6	80264.7	2
398	RNA-binding protein 27	IPI00292975.4	118644.7	1
399	sarcoma antigen NY-SAR-79	IPI00418774.2	124076.9	1
400	SEC31 homolog A isoform 4	IPI00305152.6	121574.8	1
401	Semaphorin-3E precursor	IPI00004494.1	89170.5	1
402	Serine arginine-rich pre-mRNA splicing factor SR-A1	IPI00303343.6	139186.2	1
403	Serine-protein kinase ATM	IPI00298306.3	350417.1	1
404	similar to brain specific homeobox	IPI00375754.2	62213.8	1
405	similar to CG10806-PB, isoform B	IPI00397905.4	47300.5	1
406	similar to DENN/MADD domain containing 4B isoform 1	IPI00006645.8	188353.9	1
407	Similar to E2F transcription factor 7	IPI00180615.6	79705.8	1
408	Similar to HLA class I histocompatibility antigen, alpha chain H precursor	IPI00784212.1	10741.1	1
409	similar to Kelch domain-containing protein 5	IPI00161103.3	49454.0	1
410	similar to Protein cTAGE-6	IPI00740599.2	44744.1	1
411	similar to sulfotransferase family 1A, member 2	IPI00735624.1	12372.2	1
412	similar to T05C3.2	IPI00166979.6	197339.2	1
413	similar to zinc finger protein 251	IPI00556189.4	87345.5	1
414	Stress-induced-phosphoprotein 1	IPI00013894.1	62599.5	1
415	Testis specific basic protein	IPI00009536.1	63280.3	1
416	TFIIH basal transcription factor complex helicase XPB subunit	IPI00291364.5	89221.1	1
417	Tight junction protein 2 (Zona occludens 2) isoform	IPI00556512.1	11882.0	1

	1 variant (Fragment)							
418	tRNA-splicing endonuclease subunit Sen34	IPI00451941.5	33631.5					1
419	Tumor necrosis factor receptor superfamily member 11B precursor	IPI00298362.3	46010.0					1
420	Tyrosine-protein phosphatase non-receptor type 23	IPI00034006.1	178860.3					1
421	U6 snRNA-specific terminal uridylyltransferase 1	IPI00010212.4	93788.5					1
422	Ubiquitin carboxyl-terminal hydrolase 32	IPI00185661.5	181539.7					1
423	Uncharacterized protein C12orf4	IPI00006906.3	63760.3					1
424	Uncharacterized protein C19orf15 precursor	IPI00178100.4	132957.4					1
425	Uncharacterized protein C2orf13	IPI00217108.1	56920.5					1
426	Uncharacterized protein KIAA2022	IPI00238220.2	167444.5					1
427	vitamin D-binding protein precursor	IPI00742696.2	52883.0					1
428	WD repeat domain 21A isoform 2	IPI00292674.1	44132.5					1
429	WD repeat protein 57	IPI00006723.4	39285.7					1
430	Wiskott-Aldrich syndrome protein family member 1	IPI00022007.1	61614.2					1
431	Zinc finger protein 3 homolog	IPI00064885.2	57624.6					2
432	Zinc finger protein 525	IPI00167130.6	41686.1					1
433	Zinc finger protein 680	IPI00168690.6	61757.6					1
434	zinc finger protein 721	IPI00556434.2	106419.9					1
435	Zinc finger protein ZIC 2	IPI00030652.2	54971.1					1
436	ZXD family zinc finger C isoform 1	IPI00397977.7	25751.2					1
437	11 kDa protein	IPI00792089.1	11284.5	1	1			1
438	187 kDa protein	IPI00164623.4	187187.3	19	16			26
439	42 kDa protein	IPI00796697.1	42240.1	1	1			1
440	Afamin precursor	IPI00019943.1	69024.1	5	1			1
441	ALB protein	IPI00022434.2	71657.7	26	6			13
442	Alpha-1-antitrypsin precursor	IPI00553177.1	46707.1	4	4			9
443	Alpha-1B-glycoprotein precursor	IPI00022895.7	54238.7	2	1			4
444	Alpha-2-HS-glycoprotein precursor	IPI00022431.1	39299.7	5	1			1
445	Alpha-2-macroglobulin precursor	IPI00478003.1	163174.3	29	29			24
446	Apolipoprotein A-I precursor	IPI00021841.1	430758.9	17	9			11
447	Apolipoprotein A-II precursor	IPI00021854.1	11167.9	3	3			4
448	Apolipoprotein A-IV precursor	IPI00304273.2	45371.5	1	1			1
449	CDNA FLJ43793 fis, clone TESTI4000014, highly similar to 130 kDa leucine-rich protein	IPI00329745.4	158825.1	1	1			1
450	Ceruloplasmin precursor	IPI00017601.1	122127.6	9	8			8
451	Clusterin precursor	IPI00291262.3	52461.1	2	2			1
452	Complement C4-A precursor	IPI00032258.4	192649.5	5	3			7
453	Guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-4 subunit precursor	IPI00030058.1	8383.2	1	1			1
454	Hemopexin precursor	IPI00022488.1	51643.3	13	4			7
455	HERV-K_10p14 provirus ancestral Env polyprotein precursor	IPI00414893.1	32216.3	1	2			1
456	HP protein	IPI00478493.3	38427.3	2	1			2
457	HP protein	IPI00431645.1	31361.9	8	4			4
458	Hypothetical protein DKFZp686I1868	IPI00029372.2	69606.9	1	1			1
459	IGHA1 protein	IPI00166866.3	53342.3	2	3			2
460	IGHA1 protein	IPI00061977.1	54119.4	3	5			1
461	IGKV1-5 protein	IPI00419424.3	26217.9	3	3			4
462	IGL@ protein	IPI00154742.6	24777.2	1	2			3
463	Inter-alpha-trypsin inhibitor heavy chain H1 precursor	IPI00292530.1	101325.8	2	4			3
464	Inter-alpha-trypsin inhibitor heavy chain H2 precursor	IPI00305461.2	106369.8	1	2			2
465	Isoform 1 of Alpha-1-antichymotrypsin precursor	IPI00550991.3	50566.1	2	1			2
466	Isoform 1 of ATP-binding cassette sub-family A member 9	IPI00216702.2	184241.6	1	1			1
467	Isoform 1 of Complement factor B precursor (Fragment)	IPI00019591.1	85478.6	3	3			2
468	Isoform 1 of E3 ubiquitin-protein ligase UBR1	IPI00217405.1	200079.2	1	1			1
469	Isoform 1 of Fibronectin precursor	IPI00022418.1	262439.5	2	4			4
470	Isoform 1 of Haptoglobin-related protein precursor	IPI00477597.1	38982.7	2	1			1
471	Isoform 2 of Alpha-1-antichymotrypsin precursor	IPI00431656.4	24018.3	2	3			1
472	Isoform 2 of Inter-alpha-trypsin inhibitor heavy chain H4 precursor	IPI00218192.2	101146.1	2	3			1

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473	Isoform HMW of Kininogen-1 precursor	IPI00032328.2	71912.1	5	1	2
474	Mitochondrial 2-oxoglutarate/malate carrier protein	IPI00219729.3	34039.9	1	1	1
475	N-acetylglutamate synthase, mitochondrial precursor	IPI00166092.1	58120.0	1	1	1
476	Plasma protease C1 inhibitor precursor	IPI00291866.5	55119.5	1	3	1
477	Pregnancy zone protein precursor	IPI00025426.1	163732.1	1	8	2
478	PRO2275	IPI00305457.5	13088.9	6	5	7
479	Prothrombin precursor (Fragment)	IPI00019568.1	69992.2	2	1	1
480	Scavenger receptor with C-type lectin type I	IPI00247616.7	81504.7	1	1	1
481	Serotransferrin precursor	IPI00022463.1	76999.7	29	23	16
482	similar to Temporarily Assigned Gene name family member	IPI00175019.6	411453.6	1	1	1
483	Transthyretin precursor	IPI00022432.1	15877.1	4	3	2
484	Tribbles homolog 3	IPI00290307.3	39552.6	1	1	1
485	Vitamin D-binding protein precursor	IPI00555812.4	52929.1	14	4	8
486	Vitronectin precursor	IPI00298971.1	54271.2	2	2	1
487	WD repeat protein 52	IPI00747180.2	112886.2	1	2	1
488	10 kDa protein	IPI00796523.1	9996.3	1	1	1
489	19 kDa protein	IPI00742782.1	18519.5	1	1	1
490	Alpha-1-acid glycoprotein 2 precursor	IPI00020091.1	23587.6	1	1	1
491	Apolipoprotein B-100 precursor	IPI00022229.1	515241.6		8	14
492	Apolipoprotein C-III precursor	IPI00021857.1	10845.5		1	2
493	Beta-2-glycoprotein 1 precursor	IPI00298828.3	38272.7		1	2
494	Carboxypeptidase N subunit 2 precursor	IPI00479116.1	60576.3		1	1
495	Caspase-12	IPI00432707.2	39082.4		1	1
496	CDNA FLJ11867 fis, clone HEMBA1006976, weakly similar to H.sapiens Gal-beta(1-3/1-4)GlcNAc alpha-2.3-sialyltransferase	IPI00306884.3	40903.1		1	1
497	C-type lectin domain family 12 member B	IPI00409688.3	31595.4		1	1
498	DERP12	IPI00382990.1	38169.0		1	1
499	diaphanous 1 isoform 1	IPI00030876.5	141257.5		1	2
500	Hypothetical protein	IPI00328894.1	15990.3		1	1
501	Hypothetical short protein	IPI00791731.1	6408.5		1	1
502	Isoform 1 of Autophagy-related protein 7	IPI00007404.1	77909.4		1	1
503	Isoform 1 of Chromosome-associated kinesin KIF4A	IPI00178150.5	139793.3		1	2
504	Isoform 1 of Complement factor H precursor	IPI00029739.4	138978.4		10	2
505	Isoform 1 of Myosin-VIIa	IPI00013193.3	254242.5		1	1
506	Isoform 1 of Nesprin-2	IPI00239405.4	795954.9		1	2
507	Isoform 1 of Protein KIAA0317	IPI00006561.3	94162.6		1	1
508	Isoform 1 of Uncharacterized protein C16orf48	IPI00030272.4	38735.4		1	2
509	Isoform 1 of Zinc finger homeobox protein 4	IPI00328754.5	393481.6		1	1
510	Isoform 5 of Dipeptidyl peptidase 8	IPI00026036.3	97676.8		1	1
511	Isoform Alpha of Tripartite motif-containing protein 29	IPI00073096.3	65793.4		1	1
512	Keratin, type II cytoskeletal 1	IPI00220327.3	65977.9		5	1
513	KIAA1529	IPI00292836.4	190977.9		1	1
514	Kinesin heavy chain	IPI00012837.1	109616.9		2	4
515	Midasin	IPI00167941.1	632425.4		1	1
516	Plasminogen precursor	IPI00019580.1	90510.2		2	1
517	Probable ATP-dependent RNA helicase DDX43	IPI00032899.4	72827.5		1	2
518	Similar to Nitric oxide synthase, inducible	IPI00783653.1	130446.0		1	1
519	Ubiquitously transcribed X chromosome tetratricopeptide repeat protein	IPI00007362.1	154134.2		1	1
520	Vigilin	IPI00022228.1	141352.0		1	1
521	Zinc finger protein 618	IPI00291843.3	104889.1		1	1
522	13 kDa protein	IPI00795939.1	13460.9	1		1
523	26S proteasome non-ATPase regulatory subunit 10	IPI00003565.1	24412.4	1		1
524	68 kDa protein	IPI00550587.4	67925.9	1		1
525	A-kinase anchor protein 3	IPI00290854.1	94676.4	1		1
526	Alpha-1-acid glycoprotein 1 precursor	IPI00022429.3	23496.8	3		2
527	AMBP protein precursor	IPI00022426.1	38974.0	1		1
528	Angiotensinogen precursor	IPI00032220.3	53120.6	1		1
529	Antithrombin III variant	IPI00032179.2	52658.0	4		2
530	BTB (POZ) domain containing 12	IPI00291796.2	199887.3	1		1

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531	Centromere protein C 1	IPI00304885.1	106860.4	1	1
532	Connexin	IPI00307281.3	14001.0	1	1
533	Conserved hypothetical protein	IPI00749060.1	10412.1	1	1
534	Isoform 1 of Actin-binding LIM protein 3	IPI00185892.3	77751.7	1	1
535	Isoform 1 of Clathrin heavy chain 2	IPI00022881.1	186909.4	1	2
536	Isoform 1 of DNA (cytosine-5)-methyltransferase 1	IPI00031519.3	189445.7	1	1
537	Isoform 1 of Probable nucleolar complex protein 14	IPI00022613.4	97607.5	1	2
538	Isoform 1 of Torsin-3A precursor	IPI00301631.5	46169.4	1	1
539	Isoform 1 of Uncharacterized protein C10orf68	IPI00413658.5	71462.6	1	1
540	Isoform 2 of LON peptidase N-terminal domain and RING finger protein 2	IPI00394812.3	57433.8	1	1
541	Isoform 2 of Multidrug resistance-associated protein 1	IPI00008338.1	164834.4	1	1
542	Isoform 2 of Zinc finger protein basonuclin-2	IPI00014826.6	101268.9	2	2
543	Isoform 4 of Intersectin-2	IPI00216423.1	134928.7	1	1
544	Isoform 5 of Transcription initiation factor TFIID subunit 1	IPI00827757.1	32457.1	1	1
545	Latrophilin-2 (Fragment)	IPI00645074.1	4510.2	2	1
546	minichromosome maintenance protein 10 isoform 2	IPI00164354.5	98022.4	1	1
547	Opsin-5	IPI00395810.1	39700.7	2	2
548	Plexin-C1 precursor	IPI00024766.1	175629.5	1	1
549	Protein RMI1 homolog	IPI00017203.5	70073.4	1	1
550	Protein-arginine deiminase type-2	IPI00294187.1	75515.5	1	1
551	Signal recognition particle 72 kDa protein similar to alpha 3 type VI collagen isoform 1 precursor	IPI00215888.4	74560.1	1	1
552		IPI00739954.2	271668.4	2	3
553	similar to deubiquitinating enzyme 3	IPI00398228.1	59596.4	1	1
554	WDR86 protein	IPI00328560.2	26771.5	1	1
555	WW domain-binding protein 11	IPI00170786.1	69954.1	1	1
556	zinc finger protein 262	IPI00477949.1	172676.2	1	1
557	zinc finger, ZZ type with EF hand domain 1	IPI00385631.5	330861.9	1	2
558	100 kDa protein	IPI00220116.6	99658.4		1
559	12 kDa protein	IPI00793330.1	12244.6		1
560	13 kDa protein	IPI00796830.1	12984.4		1
561	136 kDa protein	IPI00005625.2	135595.6		1
562	147 kDa protein	IPI00002353.1	147375.3		1
563	15 kDa selenoprotein isoform 1 precursor	IPI00030877.2	18033.2		1
564	19 kDa protein	IPI00793591.1	18801.5		1
565	221 kDa protein	IPI00465135.2	220978.1		1
566	24 kDa protein	IPI00446663.3	23619.9		1
567	36 kDa protein	IPI00173558.2	35712.1		1
568	53 kDa protein	IPI00455607.3	52595.2		1
569	5-hydroxytryptamine (serotonin) receptor 3B precursor	IPI00005673.2	50259.8		1
570	8 kDa protein	IPI00793386.1	8244.1		1
571	Adiponutrin	IPI00019245.4	52830.9		1
572	Alkyldihydroxyacetonephosphate synthase, peroxisomal precursor	IPI00010349.1	72865.9		1
573	Alpha-2,8-sialyltransferase 8B	IPI00020199.1	42403.2		1
574	Apolipoprotein C-II precursor	IPI00021856.3	11276.8		1
575	arylhydrocarbon receptor repressor	IPI00718806.2	78256.6		1
576	Brefeldin A-inhibited guanine nucleotide-exchange protein 1	IPI00002188.2	208633.2		1
577	C12orf48 protein	IPI00448949.4	15398.6		1
578	Carbonic anhydrase 5B, mitochondrial precursor	IPI00032055.1	36410.5		1
579	Caskin-2	IPI00103516.1	126633.8		1
580	CASP8 and FADD-like apoptosis regulator variant (Fragment)	IPI00556163.1	29023.3		1
581	Cation-independent mannose-6-phosphate receptor precursor	IPI00289819.4	274097.6		1
582	CDNA FLJ11142 fis, clone PLACE1006552	IPI00295380.7	47461.7		1
583	CDNA FLJ20558 fis, clone KAT11870	IPI00016594.2	64036.2		1
584	CDNA FLJ25874 fis, clone CBR02446 (Fragment)	IPI00297587.3	32140.7		1
585	CDNA FLJ26204 fis, clone ADG07455	IPI00442924.1	16245.9		1
586	CDNA FLJ30491 fis, clone BRAWH2000177, moderately similar to SERINE	IPI00386540.2	15609.8		1

HYDROXYMETHYLTRANSFERASE, MITOCHONDRIAL				
587	CDNA FLJ35552 fis, clone SPLEN2004346	IPI00180515.2	67753.9	1
588	CDNA FLJ38561 fis, clone HCHON2003676	IPI00167550.1	16430.8	1
589	CDNA FLJ41805 fis, clone NOVAR2000962	IPI00446354.1	13506.9	1
590	CDNA FLJ45909 fis, clone PEBLM2001803	IPI00394804.3	64625.6	1
591	CDNA PSEC0211 fis, clone HEMBA1003728	IPI00383978.1	23714.9	1
592	CLIP1 protein	IPI00013455.8	162146.1	1
593	Collagen alpha-1(V) chain precursor	IPI00477611.1	183495.2	1
594	Collagen, type XXVII, alpha 1	IPI00514898.1	73591.1	1
595	Complement C1r subcomponent precursor	IPI00296165.5	80121.9	1
596	Conserved hypothetical protein	IPI00747576.1	26178.0	1
597	Corticosteroid-binding globulin precursor	IPI00027482.1	45112.0	1
598	Cullin-7	IPI00001690.1	191067.3	1
599	Cyclin M2	IPI00006084.4	96645.9	1
600	Cysteine-rich hydrophobic domain 2 protein	IPI00015878.1	19241.6	2
601	Cytochrome P450, family 46 variant (Fragment)	IPI00556591.1	23547.0	1
602	cytoplasmic FMR1 interacting protein 1 isoform b	IPI00550212.3	94405.5	1
603	Death-associated protein kinase 3	IPI00015213.1	52503.5	1
604	Disintegrin domain containing protein	IPI00479027.2	39246.2	1
605	dispatched B	IPI00304587.4	151906.0	1
606	DnaJ homolog subfamily B member 1	IPI00015947.5	38020.4	2
607	Dopey family member 1	IPI00010903.2	266391.7	1
608	Ectonucleotide pyrophosphatase/phosphodiesterase 3	IPI00478342.2	11299.0	1
609	EH domain-binding protein 1	IPI00178187.2	139930.9	2
610	F-box only protein 47	IPI00550126.1	51961.8	1
611	Fibrillin-1 precursor	IPI00328113.2	312097.0	2
612	FLJ00182 protein	IPI00163578.4	101699.4	1
613	FLJ90013 protein	IPI00166468.2	64218.4	1
614	Galactoside 3(4)-L-fucosyltransferase	IPI00007671.1	42090.3	1
615	Golgin subfamily B member 1	IPI00004671.1	375846.5	1
616	Heat shock 70 kDa protein 4	IPI00002966.1	94240.2	1
617	Hypothetical protein	IPI00383005.1	7440.1	1
618	Hypothetical protein	IPI00514661.1	170656.0	1
619	hypothetical protein	IPI00746416.2	48214.2	1
620	Hypothetical protein DKFZp434O1520	IPI00646529.2	97789.5	1
621	Hypothetical protein FHL2	IPI00029108.5	23315.7	2
622	hypothetical protein LOC55196	IPI00018808.3	194734.9	1
623	hypothetical protein LOC57683	IPI00397930.3	265450.8	1
624	hypothetical protein LOC9768 isoform 2	IPI00645835.2	7216.8	1
625	Hypothetical short protein	IPI00744389.2	6723.4	1
626	Ig heavy chain V-III region BRO	IPI00382480.1	13218.4	1
627	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial precursor	IPI00220150.4	42767.1	1
628	Isoform 1 of Cadherin EGF LAG seven-pass G-type receptor 1 precursor	IPI00003384.1	329276.7	1
629	Isoform 1 of Centaurin-gamma 1	IPI00217393.1	124597.6	1
630	Isoform 1 of Centrosomal protein of 110 kDa	IPI00011933.2	113370.6	1
631	Isoform 1 of Dedicator of cytokinesis protein 10	IPI00333770.6	249371.0	1
632	Isoform 1 of Deleted in bladder cancer protein 1 precursor	IPI00005607.2	88703.4	1
633	Isoform 1 of Developmentally-regulated RNA-binding protein 1	IPI00216750.1	53468.9	1
634	Isoform 1 of Epidermal growth factor receptor kinase substrate 8-like protein 2	IPI00414315.8	80570.2	1
635	Isoform 1 of Glial fibrillary acidic protein, astrocyte	IPI00025363.1	49849.7	1
636	Isoform 1 of Glycerol-3-phosphate dehydrogenase, mitochondrial precursor	IPI00017895.2	80782.6	1
637	Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397.3	20051.0	1
638	Isoform 1 of Histone-lysine N-methyltransferase, H3 lysine-9 specific 5	IPI00015526.3	138166.0	1
639	Isoform 1 of Kinesin family member 21A	IPI00425404.1	187061.5	1
640	Isoform 1 of Leucine carboxyl methyltransferase 1	IPI00296370.2	38808.3	1

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641	Isoform 1 of Mediator of DNA damage checkpoint protein 1	IPI00552897.2	226526.6	1
642	Isoform 1 of Obscurin	IPI00288940.5	867957.3	1
643	Isoform 1 of Protein inscuteable homolog	IPI00398916.6	63428.2	1
644	Isoform 1 of Protocadherin-17 precursor	IPI00645206.2	126150.8	2
645	Isoform 1 of Serine/threonine-protein kinase PINK1, mitochondrial precursor	IPI00307065.3	62729.0	1
646	Isoform 1 of Solute carrier family 22 member 11	IPI00020542.3	59932.6	1
647	Isoform 1 of Synembryn-B	IPI00018771.3	60801.5	1
648	Isoform 1 of Tripartite motif-containing protein 72	IPI00301028.4	52697.2	1
649	Isoform 1 of Uncharacterized protein C12orf54	IPI00166903.4	14476.1	1
650	Isoform 2 of Aquaporin-4	IPI00022799.1	34807.0	1
651	Isoform 2 of Engulfment and cell motility protein 2	IPI00101924.2	54410.8	1
652	Isoform 2 of Exosome complex exonuclease RRP44	IPI00183462.7	105158.1	1
653	Isoform 2 of Kinase suppressor of ras-1	IPI00013384.3	97054.2	1
654	Isoform 2 of Myosin light chain kinase, smooth muscle	IPI00221255.1	203000.2	1
655	Isoform 2 of PDZ domain-containing protein 2	IPI00155647.8	280620.7	1
656	Isoform 2 of Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1 protein	IPI00218429.1	106026.6	1
657	Isoform 2 of Platelet-derived growth factor D precursor	IPI00011865.2	42139.9	1
658	Isoform 2 of Ryanodine receptor 3	IPI00217185.1	551019.9	1
659	Isoform 3 of Serine/threonine-protein phosphatase 2B catalytic subunit beta isoform	IPI00181738.2	57945.1	1
660	Isoform 4 of Nesprin-1	IPI00247295.3	1004590.0	1
661	Isoform 4 of Paired box protein Pax-8	IPI00183926.4	34887.4	1
662	Isoform 6 of Pro-neuregulin-2, membrane-bound isoform precursor	IPI00003044.1	45669.0	1
663	Isoform Alpha of Protein vav-3	IPI00299763.1	97713.6	1
664	Isoform Long of Dual specificity protein kinase CLK1	IPI00028061.3	57169.5	1
665	Isoform Long of Dual specificity tyrosine-phosphorylation-regulated kinase 1A	IPI00014344.1	85530.1	1
666	Isoform Long of E3 ubiquitin-protein ligase CBL-B	IPI00292856.4	109380.5	1
667	Isoform Long of Short transient receptor potential channel 1	IPI00012081.1	91152.9	1
668	Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740.1	76101.8	1
669	Isoform OS-9-2 of Protein OS-9 precursor	IPI00186581.7	69349.7	1
670	Isoform PDE4B1 of cAMP-specific 3',5'-cyclic phosphodiesterase 4B	IPI00016604.1	83290.8	1
671	Jumonji protein	IPI00023756.2	138647.6	1
672	Leucyl-tRNA synthetase, cytoplasmic	IPI00103994.4	134379.5	1
673	LOC116349 protein	IPI00401081.5	12653.3	1
674	Low-density lipoprotein receptor-related protein 1 precursor	IPI00020557.1	504243.2	2
675	Methionyl-tRNA synthetase, mitochondrial precursor	IPI00062839.4	66548.9	1
676	Mitogen-activated protein kinase kinase kinase 14	IPI00016099.2	103976.0	3
677	Msx2-interacting protein	IPI00045914.1	402004.3	1
678	MutS protein homolog 4	IPI00289914.1	104689.2	1
679	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6	IPI00219385.3	15479.1	1
680	Nebulin	IPI00303335.1	772742.8	1
681	NINP6167	IPI00432739.1	15095.5	1
682	Novel protein	IPI00513924.1	10233.1	1
683	Nucleolar protein Nop56	IPI00411937.4	66008.8	1
684	Nucleoside diphosphate kinase homolog 5	IPI00010261.1	24220.6	1
685	Olfactory receptor 17-1	IPI00021122.1	32000.6	1
686	Olfactory receptor 6M1	IPI00398850.1	35304.9	1
687	P2Y purinoceptor 11	IPI00101425.2	40318.9	1
688	Piwi-like protein 2	IPI00154664.1	109777.9	1

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689	PNAS-138	IPI00382460.1	5614.7	2
690	Poly [ADP-ribose] polymerase 1	IPI00449049.5	113012.4	1
691	Probable ATP-dependent RNA helicase DDX20	IPI00005904.3	92182.5	1
692	Probable ATP-dependent RNA helicase DHX35	IPI00030288.2	78860.2	1
693	Prolargin precursor	IPI00020987.1	43782.2	1
694	Protein KIAA1109	IPI00398012.4	554948.0	1
695	Protein KIAA1546	IPI00026533.5	130172.5	1
696	Protocadherin 15	IPI00290035.3	216201.5	1
697	regeneration associated muscle protease isoform a	IPI00064429.4	81889.4	1
698	RNF157 protein	IPI00386730.3	42525.2	1
699	rotatin	IPI00645947.1	248452.1	1
700	Serine/threonine-protein kinase PRKX	IPI00020904.1	40870.1	1
701	SH3-domain kinase binding protein 1	IPI00641861.1	16401.2	1
702	similar to heat shock 70kD protein binding protein	IPI00737448.1	14168.7	1
703	similar to Kinase suppressor of ras-1	IPI00399198.4	31984.4	1
704	similar to phosphodiesterase 4D interacting protein isoform 2	IPI00741074.1	15733.9	2
705	similar to TPR domain, ankyrin-repeat and coiled-coil-containing isoform 1	IPI00030466.5	209981.3	1
706	similar to Vac14 homolog	IPI00787397.1	135792.3	1
707	similar to zinc finger protein 285	IPI00454738.2	69643.4	1
708	similar to Zinc finger protein 292 isoform 1	IPI00164352.6	304621.1	1
709	SMARCA4 isoform 2	IPI00029822.3	188030.2	1
710	Sphingosine kinase 1	IPI00182048.7	42490.0	1
711	stretch responsive protein 278 isoform a	IPI00395940.7	52527.5	1
712	Succinyl-CoA ligase [GDP-forming] beta-chain, mitochondrial precursor	IPI00096066.2	46481.5	1
713	Taste receptor type 2 member 13	IPI00028332.1	35095.1	1
714	Taste receptor type 2 member 41	IPI00221132.1	35888.3	1
715	Teneurin-3	IPI00398020.7	300757.7	1
716	Transforming growth factor beta-1 precursor	IPI00000075.3	44312.8	1
717	Tumor necrosis factor (Ligand) superfamily, member 15	IPI00643268.1	20099.2	1
718	Tyrosine-protein phosphatase non-receptor type 4	IPI00019949.1	105843.9	1
719	UbcH10 binding protein with a hect-like domain	IPI00376330.8	37896.2	1
720	Uncharacterized protein C5orf23	IPI00002247.2	13765.0	1
721	Uncharacterized protein C6orf146	IPI00217605.2	57384.1	1
722	UPF0258 protein KIAA1024	IPI00167867.5	102928.1	1
723	V_segment translation product (Fragment)	IPI00807336.1	12197.2	1
724	Voltage-dependent L-type calcium channel subunit alpha-1S	IPI00299240.4	212418.5	1
725	von Willebrand factor A domain-containing protein 2	IPI00394834.3	81960.1	1
726	Xanthine dehydrogenase/oxidase	IPI00244391.3	146329.8	1
727	zinc finger CCCH-type containing 13	IPI00016472.4	184758.8	1
728	Zinc finger protein 471	IPI00333859.2	72961.3	1
729	zinc finger protein 609	IPI00307591.5	151097.1	1