

Table S1. Quantitative mass spectrometry results of synaptic proteome comparing Fmt1 WT and KO mouse cortex at two developing time points.

locus	Gene Symbol	KO/WT-P17	KO/WT-P45	P value BH_P17	P value BH_P45
1 IPI00341550.1	mt-Nd1	1.45	1.09	0.00000	0.49522
2 IPI00153381.1	Uqcr10	1.56	0.98	0.00000	0.93068
3 IPI00121309.2	Ndufs3	1.64	1.03	0.00000	0.79353
4 IPI00108780.7	Ap2a1	1.64	0.74	0.00000	-
5 IPI00622911.1	Ap2a1	1.64	0.96	0.00000	0.75111
6 IPI00169925.2	Ndufv2	1.69	1.02	0.00000	0.88667
7 IPI00311515.2	Napb	1.81	0.99	0.00000	0.96853
8 IPI00126635.1	Idh3b	1.85	1.02	0.00000	0.85883
9 IPI00880852.1	Vamp2	1.88	1.01	0.00000	0.94639
10 IPI00229703.6	Vamp2	1.88	-	0.00000	-
11 IPI00119113.3	Atp6v1b2	1.90	0.88	0.00000	0.47039
12 IPI00395134.4	Homer1	1.94	0.78	0.00000	0.37683
13 IPI00407692.3	Atp6v1a	2.06	0.91	0.00000	0.57391
14 IPI00122974.1	Gpm6a	2.12	0.82	0.00000	0.45615
15 IPI00262693.4	Acs16	2.20	-	0.00000	-
16 IPI00649775.1	Acs16	2.20	0.96	0.00000	0.76592
17 IPI00120302.1	Lgi1	2.21	0.81	0.00000	0.59028
18 IPI00656325.2	Nsf	2.25	0.92	0.00000	0.63407
19 IPI00129622.3	Syt2	2.26	1.03	0.00000	0.91639
20 IPI00857092.1	Slc4a4	2.27	0.81	0.00000	0.62095
21 IPI00458023.4	Adam23	2.29	0.84	0.00000	0.61123
22 IPI00129175.1	Adam23	2.29	-	0.00000	-
23 IPI00648033.1	Adam23	2.29	-	0.00000	-
24 IPI00649891.2	Adam23	2.29	-	0.00000	-
25 IPI00849661.1	LOC100046035	2.29	-	0.00000	-
26 IPI00480277.1	Adam23	2.29	-	0.00000	-
27 IPI00648288.1	Adam23	2.29	-	0.00000	-
28 IPI00650001.3	Adam23	2.29	-	0.00000	-
29 IPI00458025.2	Adam23	2.29	-	0.00000	-
30 IPI00128296.1	Ckmt1	2.31	1.08	0.00000	0.5772
31 IPI00311682.5	Atp1a1	2.31	0.86	0.00000	0.49522
32 IPI00831180.1	Atp2b2	2.32	0.85	0.00000	0.5772
33 IPI00127713.1	Atp2b2	2.32	-	0.00000	-
34 IPI00283761.1	Sfxn5	2.33	1.24	0.00000	0.42216
35 IPI00221602.1	Sfxn5	2.33	1.24	0.00000	-
36 IPI00225389.1	Snap25	2.44	0.90	0.00000	0.7355
37 IPI00407499.1	Abat	2.54	0.99	0.00000	0.93586
38 IPI00309953.4	Stxbp5l	2.55	-	0.00000	-
39 IPI00555114.1	Stxbp5l	2.55	-	0.00000	-
40 IPI00656281.1	Stxbp5l	2.55	-	0.00000	-
41 IPI00555072.1	Stxbp5l	2.55	0.73	0.00000	0.35843
42 IPI00125635.1	Snap25	2.56	0.90	0.00000	0.70345
43 IPI00876489.1	Sirpa	2.60	0.88	0.00000	0.7202
44 IPI00626790.3	Glul	2.64	0.93	0.00000	0.73565
45 IPI00134492.4	Syn2	2.67	0.99	0.00000	0.97631
46 IPI00129618.1	Syt1	2.70	-	0.00000	-
47 IPI00121349.3	Ppp1r1b	2.79	0.82	0.00000	0.57795
48 IPI00877205.1	Got1	2.83	0.91	0.00000	0.62995
49 IPI00331704.7	Eno2	2.83	0.90	0.00000	0.62108

50	IPI00122094.2	Dlg4	3.00	-	0.00000	-
51	IPI00621806.2	Camk2a	3.00	0.75	0.00000	0.3547
52	IPI00622720.1	Dlg4	3.00	0.72	0.00000	0.35843
53	IPI00626797.1	Dlg4	3.00	-	0.00000	-
54	IPI00817008.1	Rgs7bp	3.15	0.77	0.00000	0.37683
55	IPI00109727.1	Thy1	3.22	0.81	0.00000	0.37683
56	IPI00831055.2	Hbb-b1	3.40	1.33	0.00000	0.35843
57	IPI00845802.1	Hba-a1;Hba-a2	3.40	1.37	0.00000	0.35843
58	IPI00110658.1	Hba-a1;Hba-a2	3.40	-	0.00000	-
59	IPI00663736.2	Syngap1	3.41	0.73	0.00000	0.35843
60	IPI00230151.1	Mag	3.43	0.74	0.00000	-
61	IPI00276515.4	Mag	3.43	0.69	0.00000	0.3547
62	IPI00134093.4	Bsn	3.57	0.75	0.00000	-
63	IPI00751005.2	8-Sep	3.71	0.85	0.00000	0.48356
64	IPI00875717.2	8-Sep	3.71	-	0.00000	-
65	IPI00880314.1	8-Sep	3.71	-	0.00000	-
66	IPI00331497.9	8-Sep	3.71	-	0.00000	-
67	IPI00119067.3	Tppp	3.80	0.92	0.00000	0.3937
68	IPI00415558.1	Synpo	4.00	0.97	0.00000	0.8793
69	IPI00664176.1	Anks1b	4.35	0.83	0.00000	0.35843
70	IPI00927975.1	Pfkp	4.52	0.88	0.00000	0.49522
71	IPI00124444.1	Pfkp	4.52	-	0.00000	-
72	IPI00749872.1	Slc1a2	4.67	-	0.00000	-
73	IPI00230290.1	Slc1a2	4.67	-	0.00000	-
74	IPI00230289.1	Slc1a2	4.92	1.00	0.00000	-
75	IPI00875419.1	Slc1a2	4.92	-	0.00000	-
76	IPI00470184.2	Slc1a2	4.92	0.87	0.00000	-
77	IPI00896700.1	Mtap1b	0.28	0.97	0.00027	0.7202
78	IPI00761613.1	Rac1	1.37	0.84	0.00027	0.38012
79	IPI00929850.1	Pgm2;Pgm1	1.45	1.00	0.00027	0.9526
80	IPI00555140.2	Pgm2;Pgm1	1.45	-	0.00027	-
81	IPI00828649.1	Dnajc11	1.46	1.04	0.00027	0.76381
82	IPI00226466.6	Dnajc11	1.46	-	0.00027	-
83	IPI00670114.1	Cadps	1.61	0.90	0.00027	0.37683
84	IPI00117978.1	Cox4i1	1.65	1.06	0.00027	0.45615
85	IPI00131618.1	Stx1a	1.66	1.00	0.00027	0.93022
86	IPI00459725.2	Idh3a	1.67	1.01	0.00027	0.94077
87	IPI00626237.2	Ogdh	1.68	1.12	0.00027	0.33373
88	IPI00403336.4	Opa1	1.70	0.99	0.00027	0.89437
89	IPI00117657.2	Opa1	1.70	-	0.00027	-
90	IPI00676211.4	Psd3	1.79	0.96	0.00027	0.88818
91	IPI00762858.1	Hk1	1.80	1.07	0.00027	0.47039
92	IPI00136703.1	Ckb	1.87	0.90	0.00027	0.47039
93	IPI00923056.1		1.87	0.99	0.00027	0.96001
94	IPI00649886.1	Syn1	1.90	1.00	0.00027	0.9526
95	IPI00228526.3	Atp6v0a1	1.93	0.90	0.00027	0.60692
96	IPI00228525.2	Atp6v0a1	1.93	-	0.00027	-
97	IPI00121550.3	Atp1b1	1.94	0.86	0.00027	0.63129
98	IPI00649467.3	Syn1	1.98	-	0.00027	-
99	IPI00761443.2	Iqsec1	2.06	-	0.00027	-
100	IPI00115607.3	Hadhb	2.13	-	0.00027	-
101	IPI00474281.1	Gm13910	2.13	1.13	0.00027	0.37683

102	IPI00648567.1	Sh3gl2	2.13	0.91	0.00027	0.5209
103	IPI00109275.1	Slc25a22	2.18	1.13	0.00027	0.38012
104	IPI00228633.7	Gpi1	2.18	0.95	0.00027	0.85883
105	IPI00123390.8	Acs16	2.24	-	0.00027	-
106	IPI00625955.1	Acs16	2.24	1.01	0.00027	0.94638
107	IPI00553820.1	Acs16	2.24	-	0.00027	-
108	IPI00121534.11	Car2	2.25	0.74	0.00027	0.33373
109	IPI00221402.7	Aldoa	2.26	-	0.00027	-
110	IPI00380273.1	Gja1	2.57	0.72	0.00027	0.35843
111	IPI00226727.4	Dlg2	2.63	0.83	0.00027	0.3937
112	IPI00750142.1	Syt1	2.70	0.83	0.00027	0.45615
113	IPI00674640.1	Dlg1;LOC100047€	3.10	0.92	0.00027	0.49522
114	IPI00124778.1	Baiap2	3.23	-	0.00027	-
115	IPI00649474.1	Baiap2	3.23	-	0.00027	-
116	IPI00222731.2	Baiap2	3.23	0.82	0.00027	0.31297
117	IPI00648827.1	Baiap2	3.23	-	0.00027	-
118	IPI00461199.2	Bsn	3.52	0.70	0.00027	0.33373
119	IPI00877299.1	Icam5	4.57	0.82	0.00027	0.47605
120	IPI00854028.2	Cntnap1	5.27	0.85	0.00027	0.37683
121	IPI00113223.2	Fasn	0.47	0.85	0.00042	0.53578
122	IPI00127408.3	Rac1	1.39	-	0.00042	-
123	IPI00876084.1	Gpd2	1.51	1.06	0.00042	0.62095
124	IPI00130280.1	Atp5a1	1.51	1.08	0.00042	0.37683
125	IPI00126115.1	Sfxn3	1.55	1.05	0.00042	0.70155
126	IPI00119663.3	Mapk1	1.61	1.07	0.00042	0.64484
127	IPI00848729.1	LOC100047509;G	1.62	0.76	0.00042	0.82671
128	IPI00124292.1	Brp44l	1.62	-	0.00042	-
129	IPI00225390.5	Cox6b1	1.62	1.00	0.00042	0.98135
130	IPI00116748.1	Ndufa10	1.62	1.06	0.00042	0.35843
131	IPI00480558.4	Pcmt1	1.68	0.93	0.00042	0.68311
132	IPI00329913.9	Pcmt1	1.68	-	0.00042	-
133	IPI00283611.1	Hk1	1.75	-	0.00042	-
134	IPI00928559.1	Hk1	1.75	1.11	0.00042	-
135	IPI00759938.1	Hk1	1.75	-	0.00042	-
136	IPI00342603.7	Ogdhl	1.75	1.07	0.00042	0.35843
137	IPI00226140.5	Maob	1.92	-	0.00042	-
138	IPI00944790.1	Maob	1.92	0.92	0.00042	0.50346
139	IPI00131771.3	Cox6c	1.94	-	0.00042	-
140	IPI00622837.1	Gm6265	1.94	1.10	0.00042	0.6116
141	IPI00119115.2	Atp6v1e1	2.02	0.87	0.00042	0.35843
142	IPI00331110.3	Sh3gl2	2.03	-	0.00042	-
143	IPI00133284.1	D10Jhu81e;LOC10	2.05	1.01	0.00042	0.97404
144	IPI00465810.3	Sv2a	2.06	0.86	0.00042	0.53084
145	IPI00676243.2	Mtap1a	2.07	0.99	0.00042	0.97709
146	IPI00408909.4	Mtap1a	2.07	-	0.00042	-
147	IPI00170310.1	Slc8a2	2.18	0.89	0.00042	0.62095
148	IPI00876255.1	Nsf	2.25	0.99	0.00042	0.97749
149	IPI00465769.3	Slc12a5	2.33	-	0.00042	-
150	IPI00877254.1	Slc12a5	2.33	0.88	0.00042	0.62929
151	IPI00121545.1	Ppp3ca	2.36	0.94	0.00042	0.71119
152	IPI00122965.1	Rab3a	2.37	0.92	0.00042	0.53088
153	IPI00928138.1	8-Sep	3.71	-	0.00042	-

154	IPI00137409.3	Tkt	0.74	0.89	0.00055	0.49522
155	IPI00331332.6	Ndufa5	1.50	1.03	0.00055	0.8586
156	IPI00115564.5	Slc25a4	1.53	1.09	0.00055	0.51088
157	IPI00337893.2	Pdha1	1.56	1.10	0.00055	0.37683
158	IPI00344004.3	Ndufa12	1.58	1.00	0.00055	0.98971
159	IPI00944067.1	Ndufa9	1.62	0.99	0.00055	0.93022
160	IPI00136134.1	Ndrp2	1.81	0.85	0.00055	0.73026
161	IPI00759847.1	Ndrp2	1.81	0.90	0.00055	-
162	IPI00880742.1	Dpp6	2.07	-	0.00055	-
163	IPI00336324.11	Mdh1	2.15	0.97	0.00055	0.88818
164	IPI00380436.1	Actn1	2.17	0.93	0.00055	0.63926
165	IPI00756529.1	Arfgap1	2.23	-	0.00055	-
166	IPI00387227.1	Arfgap1	2.23	-	0.00055	-
167	IPI00403723.3	Arfgap1	2.23	1.10	0.00055	0.47487
168	IPI00119458.7	Aldoc	2.24	0.93	0.00055	0.7676
169	IPI00856379.1	Aldoa	2.26	0.99	0.00055	0.91146
170	IPI00227898.3	Prkcb	2.32	0.88	0.00055	0.6252
171	IPI00606892.5	Wipf3	2.43	-	0.00055	-
172	IPI00849730.2	Wipf3	2.43	0.84	0.00055	-
173	IPI00230204.7	Got1	2.48	-	0.00055	-
174	IPI00227035.2	Snph	2.95	0.99	0.00055	-
175	IPI00850112.1	Synpo	3.89	-	0.00055	-
176	IPI00662157.3	Synpo	3.89	0.93	0.00055	-
177	IPI00608063.3	Ptprd	1.43	-	0.00066	-
178	IPI00273164.1	Aldh5a1	1.54	1.01	0.00066	0.90591
179	IPI00230351.1	Sdha	1.56	1.07	0.00066	0.66208
180	IPI00857911.1	Opcml	1.57	1.07	0.00066	0.87147
181	IPI00668903.1	Cadps	1.61	-	0.00066	-
182	IPI00928416.1	Ndufv1	1.73	1.01	0.00066	0.8044
183	IPI00130460.1	Ndufv1	1.73	1.02	0.00066	-
184	IPI00850740.1	LOC100044138	1.84	1.00	0.00066	0.97749
185	IPI00850539.1	LOC100044138	1.84	-	0.00066	-
186	IPI00416280.3	5-Sep	1.84	-	0.00066	-
187	IPI00122048.2	Atp1a3	1.89	0.81	0.00066	0.38012
188	IPI00331299.9	Ncdn	1.90	-	0.00066	-
189	IPI00889265.1	Ncdn	1.90	0.90	0.00066	0.51134
190	IPI00331541.5	Pfkm	1.92	0.83	0.00066	0.38012
191	IPI00118787.1	Atp6v1d	1.96	0.92	0.00066	0.65135
192	IPI00134191.3	Slc2a3	2.45	0.92	0.00066	0.50578
193	IPI00459465.1	Baiap2	2.88	-	0.00066	-
194	IPI00555000.2	Uqcrb	1.49	1.14	0.00073	0.35616
195	IPI00132347.1	Uqcrb	1.49	-	0.00073	-
196	IPI00131176.1	mt-Co2	1.61	0.97	0.00073	0.76381
197	IPI00120719.4	Cox5a	1.62	1.02	0.00073	0.85039
198	IPI00457898.3	Pgam1	1.69	0.94	0.00073	0.70614
199	IPI00850833.1	Cadm2	1.74	-	0.00073	-
200	IPI00850457.1	Cadm2	1.74	0.83	0.00073	0.39388
201	IPI00453537.2	Cadm2	1.74	-	0.00073	-
202	IPI00874653.1	Cadm2	1.74	-	0.00073	-
203	IPI00896744.1	Dmnl2	1.78	0.82	0.00073	0.38642
204	IPI00853932.1	Dmnl2	1.78	0.88	0.00073	-
205	IPI00874973.1	Psd3	1.79	-	0.00073	-

206	IPI00875485.1	Psd3	1.79	-	0.00073	-
207	IPI00875877.1	Cd47	1.81	-	0.00073	-
208	IPI00124830.3	Cd47	1.81	-	0.00073	-
209	IPI00403079.4	Cd47	1.81	0.84	0.00073	0.4633
210	IPI00313841.1	Atp6v0d1	1.82	0.94	0.00073	0.66881
211	IPI00762623.1	Pde2a	1.84	0.92	0.00073	-
212	IPI00875107.1	Prnd	2.19	0.89	0.00073	0.7355
213	IPI00120793.1	Prnp	2.19	-	0.00073	-
214	IPI00125147.4	Mpp2	2.67	-	0.00073	-
215	IPI00756238.2	Mpp2	2.67	0.86	0.00073	0.5772
216	IPI00135659.2	Omg	2.88	1.00	0.00073	0.98055
217	IPI00318522.3	Gad2	3.42	0.94	0.00073	0.78833
218	IPI00338983.3	Cntnap1	5.09	-	0.00073	-
219	IPI00116277.3	Cct4	0.61	0.91	0.00082	0.58714
220	IPI00118020.1	Cadm3	1.41	-	0.00082	-
221	IPI00230507.5	Atp5h	1.44	-	0.00082	-
222	IPI00623553.1	LOC100044492;G	1.44	1.03	0.00082	0.74902
223	IPI00894588.1	Acadl	1.48	0.97	0.00082	0.84174
224	IPI00890322.1	Bdh1	1.52	1.14	0.00082	0.3937
225	IPI00121443.1	Cox6a1	1.60	0.97	0.00082	0.90591
226	IPI00116074.1	Aco2	1.61	1.01	0.00082	0.96001
227	IPI00128155.2	Ctbp1	1.71	-	0.00082	-
228	IPI00845557.1	Ctbp1	1.71	0.90	0.00082	0.58965
229	IPI00355248.5	mt-Co1	1.73	1.00	0.00082	0.97749
230	IPI00120212.1	Ndufa9	1.73	-	0.00082	-
231	IPI00929916.1	Tnr	1.88	0.95	0.00082	0.73026
232	IPI00227126.1	Tnr	1.88	-	0.00082	-
233	IPI00850941.1		2.13	-	0.00082	-
234	IPI00130186.4	Atp6v1c1	2.24	0.91	0.00082	0.62603
235	IPI00672505.1	LOC100047603;D	3.00	0.87	0.00082	0.60578
236	IPI00757109.2	Pcmt1	1.65	-	0.00094	-
237	IPI00407352.4	Psd3	1.83	-	0.00094	-
238	IPI00756786.1	Sh3glb2	2.04	-	0.00094	-
239	IPI00132042.1	Pdhb	1.46	1.06	0.00105	0.61123
240	IPI00132623.3	Ndufb9	1.64	0.98	0.00105	0.90196
241	IPI00223092.5	Hadha	1.70	1.08	0.00105	0.42933
242	IPI00762507.2	Iqsec1	2.03	0.84	0.00105	0.37683
243	IPI00229510.5	Ldhb	2.45	0.94	0.00105	0.8044
244	IPI00114279.1	Slc1a3	1.69	0.86	0.00117	0.54447
245	IPI00467833.6	Tpi1	1.83	0.90	0.00117	0.47039
246	IPI00911135.1	Oxr1	2.26	0.86	0.00117	0.3547
247	IPI00119033.1	Icam5	4.71	-	0.00117	-
248	IPI00229008.2	Ndufs4	1.59	1.03	0.00126	0.62763
249	IPI00118769.2	Rgs7	1.96	0.92	0.00126	-
250	IPI00132874.4	Mgll	3.71	-	0.00126	-
251	IPI00953761.1	Mgll	3.71	-	0.00126	-
252	IPI00953776.1	Mgll	3.71	-	0.00126	-
253	IPI00858047.1	Mgll	3.71	1.08	0.00126	0.61501
254	IPI00110265.1	Sirt2	1.47	-	0.00132	-
255	IPI00473688.1	Sirt2	1.47	0.89	0.00132	0.69855
256	IPI00109109.1	Sod2	1.85	0.95	0.00132	0.70477
257	IPI00850983.3	Synj1	2.03	-	0.00132	-

258	IPI00881540.3	Synj1	2.03	0.89	0.00132	0.50968
259	IPI00875695.1	Lrrc7	2.09	0.70	0.00132	0.35843
260	IPI00123704.1	Atp1b2	2.16	0.86	0.00132	0.5982
261	IPI00853761.1	LOC100046684	2.18	1.03	0.00132	-
262	IPI00227302.6	Slc4a10	2.55	-	0.00132	-
263	IPI00752501.2	Slc4a10	2.55	1.21	0.00132	-
264	IPI00555118.4	Slc4a10	2.55	0.89	0.00132	-
265	IPI00331066.6	Calb1	3.20	0.92	0.00132	0.73026
266	IPI00122069.1	Prkcc	3.70	0.94	0.00132	0.65939
267	IPI00407130.4	Pkm2	1.50	0.87	0.00139	0.47813
268	IPI00387430.1	Ndufb8	1.63	1.05	0.00139	0.53754
269	IPI00415402.3	Stxbp1	1.68	0.89	0.00139	0.49522
270	IPI00330163.4	Cadps	1.69	0.88	0.00139	0.49522
271	IPI00322617.1	Ncam2	1.74	0.96	0.00139	0.71877
272	IPI00127556.1	Ncam2	1.74	-	0.00139	-
273	IPI00758024.1	Prdx6	1.81	0.94	0.00139	0.73963
274	IPI00881789.1	Psd3	1.85	-	0.00139	-
275	IPI00620507.2	Psd3	1.85	-	0.00139	-
276	IPI00816974.1	Dgkb	3.39	0.97	0.00139	0.89697
277	IPI00421000.2	Dgkb	3.39	-	0.00139	-
278	IPI00222419.5	Gm10053;Cycs	1.57	-	0.00145	-
279	IPI00462072.3	Eno1;LOC100044	1.68	0.91	0.00145	0.58951
280	IPI00850430.1	LOC100046151	1.88	1.04	0.00145	0.90942
281	IPI00315999.4	Atp6v1f	1.90	0.85	0.00145	0.37683
282	IPI00858128.1	Camk2d	2.00	0.64	0.00145	-
283	IPI00807733.1	Arfgap1	2.30	-	0.00145	-
284	IPI00123613.1	Pacsin1	2.89	0.93	0.00145	0.71119
285	IPI00331293.3	Dnm1	3.06	0.87	0.00145	0.35843
286	IPI00465871.1	Gpr158	5.69	0.79	0.00145	0.51296
287	IPI00109169.1	Idh3g	1.57	1.06	0.00153	0.72116
288	IPI00894705.1	Mfn2	1.59	-	0.00153	-
289	IPI00312244.3	Mfn2	1.59	-	0.00153	-
290	IPI00816883.1	LOC100044767	1.59	1.16	0.00153	0.37683
291	IPI00889824.1	Srcin1	1.88	0.68	0.00153	-
292	IPI00757771.1	Nptn	2.15	0.81	0.00153	0.38642
293	IPI00653598.2	Uqcrc1	1.44	1.04	0.00163	0.54506
294	IPI00132390.5	Ndufb4;Gm3244;	1.56	1.18	0.00163	0.47039
295	IPI00318645.6	Ndufa11	1.88	0.99	0.00163	0.9111
296	IPI00556869.1	Ptprd	1.45	0.67	0.00170	-
297	IPI00465836.4	Ptprd	1.45	-	0.00170	-
298	IPI00114209.1	Glud1	1.57	0.99	0.00170	0.86815
299	IPI00131720.3	Cacnb4	2.27	-	0.00170	-
300	IPI00473235.1	Cacnb4	2.27	0.91	0.00170	0.78676
301	IPI00626660.3	Cacnb4	2.27	-	0.00170	-
302	IPI00555069.3	Pgk1	1.68	0.90	0.00178	0.54327
303	IPI00130376.1	mt-Co1	1.78	-	0.00178	-
304	IPI00458612.5	Aak1	2.01	0.87	0.00178	0.35843
305	IPI00221788.3	Hpcal4	2.65	1.09	0.00178	0.83335
306	IPI00856781.1	Negr1	1.61	-	0.00197	-
307	IPI00467747.2	Negr1	1.61	0.88	0.00197	0.61644
308	IPI00330887.1	Negr1	1.61	-	0.00197	-
309	IPI00831191.1	Pde10a	1.67	-	0.00200	-

310	IPI00830614.1	Pde10a	1.67	-	0.00200	-
311	IPI00468960.1	Pde10a	1.67	-	0.00200	-
312	IPI00831080.1	Pde10a	1.67	-	0.00200	-
313	IPI00621783.2	Pde10a	1.67	0.76	0.00200	0.42933
314	IPI00125460.1	Atp5j;LOC674583	1.68	1.06	0.00200	0.39388
315	IPI00319970.1	Cacna2d1	1.72	0.85	0.00200	0.47039
316	IPI00410904.1	Kcnma1	2.50	-	0.00200	-
317	IPI00410903.3	Kcnma1	2.50	-	0.00200	-
318	IPI00120643.1	Kcnma1	2.50	-	0.00200	-
319	IPI00410901.1	Kcnma1	2.50	0.69	0.00200	0.5524
320	IPI00410905.2	Kcnma1	2.50	0.92	0.00200	-
321	IPI00127841.3	Slc25a5	1.47	1.07	0.00205	0.63407
322	IPI00346965.5	Ap1b1	1.51	-	0.00205	-
323	IPI00620728.2	Gdap1l1	1.52	1.02	0.00205	0.84603
324	IPI00123756.1	Gdap1l1	1.52	-	0.00205	-
325	IPI00224626.3	7-Sep	1.72	-	0.00205	-
326	IPI00311461.1	Atp6v1h	1.85	0.88	0.00205	0.39388
327	IPI00627029.1	Rgs7	2.02	0.89	0.00205	0.51846
328	IPI00875257.1	Rgs7	2.02	-	0.00205	-
329	IPI00307837.6	Eef1a1	0.54	1.05	0.00210	0.57476
330	IPI00129928.2	Fh1	1.47	-	0.00210	-
331	IPI00850053.1	LOC100045547	1.60	0.84	0.00210	0.35843
332	IPI00310764.7	Arhgef2	1.84	1.25	0.00210	-
333	IPI00900401.1	Arhgef2	1.84	1.19	0.00210	0.59034
334	IPI00900466.1	Arhgef2	1.84	1.09	0.00210	-
335	IPI00469987.3	Gda	2.04	0.91	0.00210	0.53638
336	IPI00262198.6	Mcart1	1.39	0.99	0.00216	0.94207
337	IPI00330290.1	Epb4.1l2	2.96	-	0.00216	-
338	IPI00402933.1	Epb4.1l2	2.96	-	0.00216	-
339	IPI00330289.3	Epb4.1l2	2.96	0.96	0.00216	0.79297
340	IPI00309481.1	Epb4.1l2	2.96	-	0.00216	-
341	IPI00403406.1	Epb4.1l2	2.96	-	0.00216	-
342	IPI00911164.1	Hras1	1.26	0.91	0.00219	-
343	IPI00775965.1	Nras	1.26	0.84	0.00219	-
344	IPI00315334.5	Nras	1.26	-	0.00219	-
345	IPI00403929.4	Hras1	1.26	1.00	0.00219	1
346	IPI00749677.3	Dnm2	1.41	0.92	0.00219	0.47166
347	IPI00876285.1	Ptprd	1.44	-	0.00219	-
348	IPI00556827.1	Atp2b1	1.58	0.85	0.00219	0.53529
349	IPI00405736.3	Cd81	1.78	0.74	0.00219	0.62627
350	IPI00131614.1	Sncb	2.00	1.03	0.00219	0.74437
351	IPI00857780.1	Cadm3	1.41	0.69	0.00223	0.35843
352	IPI00930784.1	Ndufs1	1.60	1.04	0.00223	0.62095
353	IPI00338536.1	Sdhb	1.67	1.09	0.00223	0.54506
354	IPI00135446.1	Gyk	1.89	-	0.00223	-
355	IPI00654090.2	Gyk	1.89	-	0.00223	-
356	IPI00224993.4	Gyk	1.89	1.17	0.00223	0.60578
357	IPI00404687.5	Gyk	1.89	-	0.00223	-
358	IPI00406790.6	Camk2d	2.07	0.90	0.00223	-
359	IPI00118900.1	Pde1b	2.58	0.77	0.00223	0.35616
360	IPI00894724.1	Mtap2	1.50	1.10	0.00228	0.54845
361	IPI00341282.2	Atp5f1	1.57	1.16	0.00228	0.53529

362	IPI00114377.1	Cox7a2	1.58	1.17	0.00228	0.35843
363	IPI00381412.1	Immt	1.60	1.03	0.00228	0.73026
364	IPI00876075.1	Nrcam	1.61	0.80	0.00228	-
365	IPI00415403.1	Stxbp1	1.68	0.90	0.00230	0.50515
366	IPI00752192.1	Pclo	1.73	-	0.00230	-
367	IPI00380997.3	Wdr7	1.74	-	0.00230	-
368	IPI00120637.4	Wdr7	1.74	-	0.00230	-
369	IPI00225140.5	Pclo	1.76	0.51	0.00230	-
370	IPI00944107.1	Plec	1.78	-	0.00230	-
371	IPI00400215.3	Plec	1.78	-	0.00230	-
372	IPI00421268.1	Plec	1.78	-	0.00230	-
373	IPI00400214.3	Plec	1.78	-	0.00230	-
374	IPI00421267.1	Plec	1.78	-	0.00230	-
375	IPI00626385.4	Plec	1.78	-	0.00230	-
376	IPI00421271.1	Plec	1.78	-	0.00230	-
377	IPI00625928.3	Plec	1.78	-	0.00230	-
378	IPI00229509.3	Plec	1.78	-	0.00230	-
379	IPI00468273.4	Plec	1.78	-	0.00230	-
380	IPI00230061.2	Plec	1.78	0.83	0.00230	0.49522
381	IPI00757181.1	LOC100045958	1.84	0.96	0.00230	-
382	IPI00118447.1	Pura;LOC100045958	1.84	1.11	0.00230	-
383	IPI00751607.1	LOC100045958	1.84	1.08	0.00230	0.75733
384	IPI00761643.2	Psd3	1.88	-	0.00230	-
385	IPI00752884.1	LOC100047616	2.12	-	0.00230	-
386	IPI00895403.1	Cacna1a	2.13	0.80	0.00230	0.74206
387	IPI00408646.5	Cacna1a	2.13	-	0.00230	-
388	IPI00756139.1	Syp	2.64	0.70	0.00230	0.35843
389	IPI00123505.2	Syp	2.64	0.66	0.00230	-
390	IPI00469548.2	Syn2	2.71	0.93	0.00230	0.71119
391	IPI00828469.1	Lap3	1.35	0.93	0.00236	0.63364
392	IPI00331436.4	Lap3	1.35	-	0.00236	-
393	IPI00124771.1	Slc25a3	1.82	1.23	0.00236	0.64844
394	IPI00469392.2	Rtn4	0.54	1.02	0.00239	0.87475
395	IPI00121288.5	Ndufb10	1.44	1.04	0.00239	0.85137
396	IPI00228044.1	Camk2g	1.72	0.67	0.00239	-
397	IPI00135324.2	Slc12a2	1.85	0.79	0.00239	0.47039
398	IPI00169647.2	Sh3glb2	2.10	0.99	0.00239	0.96295
399	IPI00626834.2	Sh3glb2	2.10	1.15	0.00239	-
400	IPI00153832.1	Sh3glb2	2.10	-	0.00239	-
401	IPI00828453.1	Sh3glb2	2.10	-	0.00239	-
402	IPI00876323.1	Gm10221;Atp5l	1.36	1.03	0.00251	0.75733
403	IPI00133240.1	Uqcrrs1	1.42	1.07	0.00251	0.37683
404	IPI00230540.1	Vdac1	1.55	1.12	0.00251	0.50184
405	IPI00122549.1	Vdac1	1.55	1.02	0.00251	-
406	IPI00265239.1	Gm10108;LOC100045958	1.61	1.10	0.00251	0.37683
407	IPI00886222.1	Ndufs6	1.77	-	0.00251	-
408	IPI00128867.3	Purb	2.44	1.03	0.00251	0.93022
409	IPI00943457.1	Pcx	1.69	0.97	0.00256	0.80046
410	IPI00420394.4	Vps13a	2.12	1.01	0.00256	-
411	IPI00762748.2	Vps13a	2.12	0.84	0.00256	0.75774
412	IPI00115875.8	Pi4ka	2.13	0.80	0.00256	0.3992
413	IPI00114380.1	Gstm5	1.50	0.81	0.00263	0.3937

414	IPI00918764.1	Pcdh1	1.98	0.85	0.00270	0.69343
415	IPI00109153.6	Slc17a7	2.91	0.89	0.00270	0.65064
416	IPI00119138.1	Uqcrc2	1.44	1.05	0.00274	0.60679
417	IPI00122865.1	Scamp5	1.52	0.78	0.00274	0.38574
418	IPI00122547.1	Vdac2	1.52	1.12	0.00274	0.36942
419	IPI00762871.2	Atp1a2	1.93	0.79	0.00274	0.53529
420	IPI00109206.1	Cox16;Synj2bp	2.20	-	0.00274	-
421	IPI00117312.1	Got2	1.55	0.96	0.00280	0.61297
422	IPI00118075.1	Mtap2	1.56	-	0.00280	-
423	IPI00555059.2	Prdx6	1.86	-	0.00280	-
424	IPI00649708.1	Srcin1	2.01	0.90	0.00287	-
425	IPI00317074.3	Slc25a10	1.81	1.47	0.00291	0.31297
426	IPI00890037.1	Srcin1	1.93	0.86	0.00291	0.49522
427	IPI00828919.2	Camk2d	2.14	-	0.00291	-
428	IPI00757808.1	Snph	2.77	0.98	0.00291	-
429	IPI00608013.2	Snph	2.77	1.03	0.00291	-
430	IPI00122928.1	Tubb6	0.59	0.88	0.00296	0.47166
431	IPI00831714.2	Lrrc7	2.13	-	0.00296	-
432	IPI00119130.1	Btbd17	3.07	1.08	0.00296	0.78685
433	IPI00116283.1	Cct3	0.62	0.95	0.00303	0.66692
434	IPI00112251.1	Tubb3	0.55	0.93	0.00309	0.67004
435	IPI00751137.1	Tomm70a	1.66	1.03	0.00309	0.87527
436	IPI00831546.1	Chl1	0.34	1.23	0.00313	0.75369
437	IPI00468481.2	Atp5b	1.47	1.08	0.00313	0.35843
438	IPI00132653.1	Oxct1	1.60	1.15	0.00313	0.35616
439	IPI00652758.1	Tom1	1.63	0.74	0.00313	0.61644
440	IPI00380814.1	Tom1;Gm5884	1.63	-	0.00313	-
441	IPI00116154.2	LOC100046079;C	1.63	-	0.00318	-
442	IPI00785410.1	Cox5b	1.63	1.00	0.00318	0.98022
443	IPI00319602.3	Cnp	1.58	0.87	0.00324	0.38737
444	IPI00122826.1	Cend1	2.25	1.18	0.00324	0.47039
445	IPI00133403.1	Ndufb3	1.48	1.04	0.00330	0.89484
446	IPI00115626.1	Ppap2b	2.14	0.81	0.00330	0.49522
447	IPI00313475.1	Atp5c1	1.35	-	0.00336	-
448	IPI00869430.1	Cap1	1.45	0.98	0.00336	0.91146
449	IPI00137331.6	Cap1	1.45	-	0.00336	-
450	IPI00118986.1	Atp5o;LOC10004	1.48	1.09	0.00336	0.3878
451	IPI00894813.1	Mfn2	1.59	-	0.00336	-
452	IPI00415517.1	Mfn2	1.59	0.99	0.00336	-
453	IPI00656317.2	Stxbp5	1.65	-	0.00336	-
454	IPI00755165.1	Adam22	1.78	-	0.00336	-
455	IPI00515604.2	Adam22	1.78	-	0.00336	-
456	IPI00515396.2	Adam22	1.78	-	0.00336	-
457	IPI00515580.2	Adam22	1.78	-	0.00336	-
458	IPI00753070.1	Adam22	1.78	-	0.00336	-
459	IPI00753519.1	Adam22	1.78	-	0.00336	-
460	IPI00515160.2	Adam22	1.78	0.79	0.00336	0.35843
461	IPI00749834.1	Adam22	1.78	-	0.00336	-
462	IPI00404650.2	Adam22	1.78	-	0.00336	-
463	IPI00752334.1	Adam22	1.78	-	0.00336	-
464	IPI00515509.2	Adam22	1.78	-	0.00336	-
465	IPI00753983.1	Adam22	1.78	-	0.00336	-

466	IPI00752342.1	Adam22	1.78	-	0.00336	-
467	IPI00221456.1	Sv2b	3.24	0.98	0.00336	0.94077
468	IPI00230192.5	Gnao1	1.35	0.95	0.00348	0.74518
469	IPI00356608.4	Aak1	1.93	-	0.00348	-
470	IPI00466069.3	Eef2	0.62	1.12	0.00352	0.35843
471	IPI00874456.1	Dld	1.33	1.06	0.00352	0.44815
472	IPI00111770.7	Atp5k	1.42	1.21	0.00352	0.35843
473	IPI00331182.4	Gpd2	1.49	-	0.00357	-
474	IPI00470981.2	Rtn3	2.37	-	0.00357	-
475	IPI00480414.2	Rtn3	2.37	1.00	0.00357	0.95394
476	IPI00874440.1	7-Sep	1.65	0.86	0.00370	0.49522
477	IPI00110753.1	Tuba1a	0.63	0.95	0.00374	0.65671
478	IPI00119114.2	Acadl	1.50	-	0.00374	-
479	IPI00420725.4	Camk2a	2.83	-	0.00374	-
480	IPI00228253.2	Acat2	0.60	0.97	0.00380	0.94711
481	IPI00648683.3	Ap1b1	1.53	0.94	0.00385	0.64165
482	IPI00224210.5	Uqcrq	1.66	1.15	0.00385	0.48898
483	IPI00453834.2	Acsbg1	1.94	0.89	0.00391	0.63964
484	IPI00884460.1	Prkca	2.14	0.95	0.00396	0.86133
485	IPI00117348.4	Tuba1b	0.62	0.97	0.00402	0.73026
486	IPI00331174.5	Cct7	0.63	0.94	0.00406	0.62095
487	IPI00129516.1	Uqcrh	1.62	1.14	0.00406	0.43956
488	IPI00230310.5	Hpca	1.69	0.95	0.00406	-
489	IPI00117181.1	Flot1	1.54	0.94	0.00425	0.71616
490	IPI00261627.1	Sucla2	1.63	0.95	0.00430	0.67004
491	IPI00111151.2	Rph3a	2.43	0.90	0.00430	0.49522
492	IPI00409045.2	Ensa	1.89	1.25	0.00432	0.66881
493	IPI00230470.1	Ensa	1.89	-	0.00432	-
494	IPI00133034.3	Hint2	2.21	1.02	0.00432	0.95722
495	IPI00623995.3	Ttyh1	2.60	-	0.00432	-
496	IPI00648401.1	Dlgap3	2.67	0.59	0.00432	0.47426
497	IPI00886413.1	Mtx1	1.56	-	0.00444	-
498	IPI00556723.1	Dnm1l	1.54	0.93	0.00448	0.48176
499	IPI00473693.3	Pkp4	1.81	-	0.00448	-
500	IPI00400209.1	Plec	1.83	-	0.00448	-
501	IPI00880613.1	Ndufb10	1.41	-	0.00460	-
502	IPI00406442.3	Suclg1	1.51	0.97	0.00465	0.80225
503	IPI00338880.3	Nrcam	1.49	0.90	0.00476	0.81108
504	IPI00228343.4	Fech	1.81	1.08	0.00476	0.70417
505	IPI00323592.2	Mdh2	1.48	0.99	0.00481	0.9111
506	IPI00230139.5	Fkbp4	0.68	0.98	0.00485	0.95352
507	IPI00125501.1	Epb4.1l3	1.70	-	0.00485	-
508	IPI00162781.2	Ahcy1l	2.87	0.87	0.00485	0.47039
509	IPI00943445.1	Iars	0.57	1.16	0.00488	0.53529
510	IPI00225201.5	Iars	0.57	-	0.00488	-
511	IPI00114246.2	Ndufb11	1.55	1.17	0.00488	0.68639
512	IPI00222833.1	Lsamp	1.65	-	0.00492	-
513	IPI00652675.2	Lsamp	1.65	0.81	0.00492	0.35616
514	IPI00117350.1	Tuba4a	0.60	0.97	0.00498	0.69126
515	IPI00653237.2	Wdr7	1.77	0.82	0.00502	0.47039
516	IPI00468100.5	Pclo	1.84	0.96	0.00502	0.82627
517	IPI00453499.3	Iars2	1.38	1.05	0.00503	0.62108

518	IPI00875798.1	Ptprd	1.46	0.95	0.00503	-
519	IPI00918079.1	Ndufab1	1.46	1.06	0.00503	0.5524
520	IPI00133006.1	Ndufab1	1.46	-	0.00503	-
521	IPI00918301.1	Ndufab1	1.46	-	0.00503	-
522	IPI00169916.11	Cltc	1.53	-	0.00508	-
523	IPI00623890.1	Dlg3	1.61	0.74	0.00512	0.45615
524	IPI00136350.3	Dlg3	1.61	-	0.00512	-
525	IPI00753580.1	Dlg3	1.61	-	0.00512	-
526	IPI00918129.1	Pde2a	1.86	0.92	0.00521	-
527	IPI00123817.1	Atp6v1g2	2.62	-	0.00521	-
528	IPI00895346.1	Atp6v1g2	2.62	0.89	0.00521	0.61501
529	IPI00462752.4	Myo6	1.54	-	0.00525	-
530	IPI00623496.5	Myo6	1.54	0.91	0.00525	0.50973
531	IPI00776169.1	Pdk1	1.44	1.03	0.00529	0.86462
532	IPI00221407.3	Pdk1	1.44	-	0.00529	-
533	IPI00754054.1	Pclo	1.73	-	0.00533	-
534	IPI00755057.1	LOC677282	3.00	0.57	0.00533	0.47976
535	IPI00136021.6	Rims1	1.75	0.81	0.00538	0.38642
536	IPI00134420.1	Gdpd1	0.50	1.08	0.00543	0.70708
537	IPI00752220.1	Dlgap4	1.74	0.72	0.00559	0.50543
538	IPI00330186.3	Dlgap4	1.74	-	0.00559	-
539	IPI00115544.1	Gng4	1.62	0.94	0.00562	0.83415
540	IPI00881096.1	Napg	1.68	1.01	0.00562	0.92576
541	IPI00109870.1	Napg	1.68	-	0.00562	-
542	IPI00128023.3	Ndufs2	1.48	1.06	0.00572	0.37683
543	IPI00417005.1	Ntm	1.67	0.79	0.00579	0.39388
544	IPI00857329.1	Ntm	1.67	-	0.00579	-
545	IPI00402778.1	Ntm	1.67	-	0.00579	-
546	IPI00828556.1	Madd	1.74	-	0.00579	-
547	IPI00757327.1	Pkp4	1.75	0.68	0.00579	-
548	IPI00131177.1	Letm1	1.44	1.04	0.00584	0.76381
549	IPI00462846.3	Ptprd	1.40	-	0.00593	-
550	IPI00111960.2	Gaa	1.64	1.16	0.00593	0.41351
551	IPI00230418.5	Vsnl1	1.65	0.86	0.00597	0.47614
552	IPI00758248.3	Iqsec2	2.24	0.81	0.00597	0.5499
553	IPI00853823.2	Rapgef2	1.77	-	0.00601	-
554	IPI00776145.1	Myo6	1.60	-	0.00633	-
555	IPI00776187.1	Myo6	1.60	-	0.00633	-
556	IPI00124695.1	Camk2g	1.72	0.93	0.00633	-
557	IPI00132002.1	Mgst3	1.50	1.14	0.00637	0.31297
558	IPI00331710.1	Acad9	1.39	-	0.00640	-
559	IPI00759881.1	Acad9	1.39	1.07	0.00640	0.50546
560	IPI00126085.1	Cyp46a1	1.78	0.94	0.00640	0.52993
561	IPI00853969.2	LOC100044643	1.75	-	0.00644	-
562	IPI00928012.1	Ptprn2	1.75	0.95	0.00644	0.84603
563	IPI00118191.2	Ptprn2	1.75	-	0.00644	-
564	IPI00776035.1	Atp2b3	2.31	-	0.00644	-
565	IPI00652871.1	Wfs1	2.32	0.85	0.00644	0.38012
566	IPI00114833.1	Wfs1	2.32	-	0.00644	-
567	IPI00114939.3	Cbx6-Nptxr;Cbx6;	1.78	-	0.00671	-
568	IPI00605942.2	Hras1	1.26	-	0.00674	-
569	IPI00120342.6	Slc17a6	2.44	0.85	0.00674	0.65671

570	IPI00658743.2	Apoo	1.62	1.18	0.00675	0.45615
571	IPI00121576.2	Apoo	1.62	-	0.00675	-
572	IPI00670400.2	Apoo	1.62	-	0.00675	-
573	IPI00221501.2	Sh3bgrl2	2.65	-	0.00675	-
574	IPI00227838.4	Gng12	1.57	0.98	0.00691	0.95722
575	IPI00400180.1	Amph	1.41	1.03	0.00695	0.8719
576	IPI00132728.2	Cyc1	1.42	1.21	0.00700	-
577	IPI00109073.5	Tubb4	0.54	0.95	0.00701	0.70951
578	IPI00117352.1	Tubb5	0.60	0.96	0.00701	0.76381
579	IPI00930790.1	Cox16	2.10	-	0.00701	-
580	IPI00170212.2	Cox16	2.10	0.99	0.00701	-
581	IPI00463495.2	Synj2bp	2.10	-	0.00701	-
582	IPI00654397.1	Cox16	2.10	-	0.00701	-
583	IPI00930820.1	Synj2bp	2.10	-	0.00701	-
584	IPI00930815.1	Synj2bp	2.10	-	0.00701	-
585	IPI00396701.3	Rap2a	1.55	0.88	0.00709	0.64917
586	IPI00124792.1	Kcnj10	2.75	1.00	0.00709	0.86916
587	IPI00469268.5	Cct8	0.35	0.99	0.00718	0.95722
588	IPI00464317.3	Gls	1.89	0.93	0.00718	0.56985
589	IPI00308162.3	Slc25a12	1.45	1.05	0.00733	0.61596
590	IPI00750074.1	Atp5c1	1.33	1.08	0.00742	0.39831
591	IPI00133215.3	Ndufb7	1.43	0.94	0.00742	0.7441
592	IPI00857195.1	Itgav	1.92	-	0.00742	-
593	IPI00120245.1	Itgav	1.92	-	0.00742	-
594	IPI00890038.2	Syne1	3.50	0.59	0.00742	0.50968
595	IPI00403993.5	Syne1	3.50	-	0.00742	-
596	IPI00651782.2	Gbas	1.72	1.05	0.00746	0.67208
597	IPI00338039.1	Tubb2a	0.63	0.92	0.00749	0.54506
598	IPI00330754.1	Bdh1	1.53	-	0.00749	-
599	IPI00154057.3	Pcdh1	1.72	1.00	0.00758	0.97608
600	IPI00153792.1	2410015M20Rik	1.51	0.98	0.00762	0.92641
601	IPI00132039.2	Mtch2	1.34	1.10	0.00772	0.63619
602	IPI00133706.1	Rab1b	1.36	1.04	0.00774	0.81108
603	IPI00228978.2	Cltb	2.82	1.01	0.00774	0.95722
604	IPI00751032.1	Atp9a	0.58	1.10	0.00786	0.62931
605	IPI00751937.1	Atp9a	0.58	-	0.00786	-
606	IPI00895965.1		1.54	0.95	0.00786	-
607	IPI00318496.1	Gad1	2.32	1.08	0.00796	0.57476
608	IPI00133342.1	Atp5l	1.34	-	0.00805	-
609	IPI00649019.1	Ndufs5	1.54	0.95	0.00814	0.73565
610	IPI00117300.3	Ndufs5	1.54	-	0.00814	-
611	IPI00308976.1	Me3	1.75	-	0.00814	-
612	IPI00876208.1	Me3	1.75	1.04	0.00814	-
613	IPI00928125.1	Me3	1.75	0.99	0.00814	0.94277
614	IPI00322033.7	Tom1l2	1.87	-	0.00816	-
615	IPI00648853.4	Tom1l2	1.87	-	0.00816	-
616	IPI00381413.2	Immt	1.60	1.01	0.00820	-
617	IPI00845772.1	Cyc1	1.45	1.04	0.00824	0.81108
618	IPI00314748.7	Wdr1	1.48	0.98	0.00828	0.76061
619	IPI00227928.3	Slc6a1	1.93	0.77	0.00830	0.47039
620	IPI00227267.2	Epb4.1l2	3.35	-	0.00830	-
621	IPI00323600.4	Coro1a	1.61	-	0.00850	-

622	IPI00229554.5	Slc6a17	2.74	0.97	0.00853	0.86238
623	IPI00807833.2	Madd	1.83	-	0.00868	-
624	IPI00221614.3	Arf3	1.32	0.94	0.00870	0.47039
625	IPI00351827.6	Shank3	2.93	0.71	0.00870	0.35843
626	IPI00752685.2	Gm8055	1.72	-	0.00884	-
627	IPI00895295.1	Rapgef2	1.68	0.85	0.00886	0.62701
628	IPI00109311.3	Slc9a3r1	4.39	0.93	0.00886	0.83925
629	IPI00128285.1	Ndufv3	1.58	1.23	0.00895	0.37683
630	IPI00315302.5	Ndufa2	1.68	0.89	0.00909	0.71119
631	IPI00473646.2	Rhot2	1.59	-	0.00911	-
632	IPI00875863.1	Rhot2	1.59	1.00	0.00911	-
633	IPI00123181.4	Myh9	1.49	1.06	0.00919	0.72661
634	IPI00875338.1	Sgip1	1.49	0.76	0.00952	-
635	IPI00465788.4	Sgip1	1.49	-	0.00952	-
636	IPI00117087.1	Cdc37	1.33	0.88	0.00975	0.64086
637	IPI00759940.2	Fh1	1.39	1.05	0.00976	0.73963
638	IPI00128345.2	Ndufs6	1.62	1.02	0.00976	0.65671
639	IPI00230185.5	Gpd1	5.25	0.89	0.00976	0.47605
640	IPI00757097.2	Shank2	1.67	0.70	0.00984	0.35843
641	IPI00314755.5	Hn1	0.22	-	0.00998	-
642	IPI00463489.3	Opcml	1.62	-	0.01001	-
643	IPI00222496.3	Pdia6	0.56	1.04	0.01002	0.66783
644	IPI00387312.2	Pfkl	1.44	0.81	0.01002	0.3937
645	IPI00850337.1	LOC100048117	1.68	-	0.01002	-
646	IPI00850377.1	Gm2451	1.68	-	0.01002	-
647	IPI00918655.1	Stxbp5	1.74	-	0.01002	-
648	IPI00875100.1	Stxbp5	1.74	-	0.01002	-
649	IPI00269408.1	Snap47	1.21	1.02	0.01020	0.92711
650	IPI00134809.2	Dlst	1.37	1.20	0.01028	0.3547
651	IPI00403586.3	Nceh1	1.65	1.04	0.01059	0.85097
652	IPI00113244.3	Ttyh1	2.36	-	0.01059	-
653	IPI00648753.1	Hpca	1.66	-	0.01061	-
654	IPI00881347.1	Hpca	1.66	0.76	0.01061	0.41029
655	IPI00132216.1	Ndufa3	1.59	1.14	0.01064	0.38012
656	IPI00856384.1	Atp5j2	1.50	1.09	0.01076	0.3937
657	IPI00271986.6	Atp5j2	1.50	-	0.01076	-
658	IPI00347814.2	BC085271	1.86	1.00	0.01088	0.98022
659	IPI00850678.1	Gm9531	1.86	-	0.01088	-
660	IPI00755843.1	Set	1.86	-	0.01088	-
661	IPI00410883.1	Set	1.86	-	0.01088	-
662	IPI00111560.3	Set;Gm9531	1.86	-	0.01088	-
663	IPI00754518.1	Set	1.86	-	0.01088	-
664	IPI00170357.5	Afg3l2	2.13	1.05	0.01088	0.83082
665	IPI00553828.2	Rims1	1.63	-	0.01122	-
666	IPI00118692.6	Rims1	1.63	-	0.01122	-
667	IPI00553696.2	Rims1	1.63	-	0.01122	-
668	IPI00553549.2	Rims1	1.63	-	0.01122	-
669	IPI00831652.1	Tomm40l	1.73	1.20	0.01122	0.54447
670	IPI00113043.1	Tomm40l	1.73	-	0.01122	-
671	IPI00116753.4	Etfa	1.27	0.98	0.01128	0.86046
672	IPI00420569.2	Atp1a2	2.00	0.84	0.01128	0.43238
673	IPI00223216.5	Tst	1.62	0.96	0.01131	0.86133

674	IPI00775854.1	Dlg2	2.28	0.69	0.01158	-
675	IPI00123058.1	Cntn1	1.32	0.93	0.01161	0.76061
676	IPI00762047.1	Acly	0.78	0.77	0.01171	0.49522
677	IPI00126248.3	Acly	0.78	0.95	0.01171	0.78833
678	IPI00458204.8	Tubb2c-ps1	0.60	-	0.01189	-
679	IPI00460558.3	Erc2	1.96	0.44	0.01190	0.72929
680	IPI00420931.1	Erc2	1.96	-	0.01190	-
681	IPI00113606.2	Agk	1.41	1.06	0.01207	0.62995
682	IPI00648173.1	Cltc	1.47	0.91	0.01213	0.49522
683	IPI00131896.1	Brp44	1.73	0.89	0.01213	0.79187
684	IPI00453689.1	Sipa111	2.45	0.44	0.01251	0.44201
685	IPI00453688.1	Sipa111	2.45	-	0.01251	-
686	IPI00399812.3	Rogdi	1.81	-	0.01262	-
687	IPI00624881.4	Rogdi	1.81	0.88	0.01262	0.51846
688	IPI00125960.1	Ndrgr1	0.54	0.84	0.01264	0.38012
689	IPI00454082.3	Kif21a	1.56	0.77	0.01275	0.37683
690	IPI00454081.1	Kif21a	1.56	-	0.01275	-
691	IPI00454084.1	Kif21a	1.56	-	0.01275	-
692	IPI00454083.1	Kif21a	1.56	-	0.01275	-
693	IPI00869453.1	Kif21a	1.56	-	0.01275	-
694	IPI00648355.3	Rftn2	2.57	0.97	0.01275	-
695	IPI00229775.1	Rftn2	2.57	-	0.01275	-
696	IPI00856886.1	Coro1a	1.67	1.02	0.01282	0.73026
697	IPI00116843.1	mt-Nd4	1.36	1.02	0.01294	0.74206
698	IPI00169463.1	Tubb2c	0.61	0.97	0.01301	0.84082
699	IPI00116279.3	Cct5	0.62	0.95	0.01318	0.82533
700	IPI00608064.1	Fech	1.72	1.13	0.01321	-
701	IPI00830456.1	Dpp10	1.92	0.85	0.01321	0.54506
702	IPI00396687.3	Dpp10	1.92	-	0.01321	-
703	IPI00464296.5	Epb4.113	1.63	0.97	0.01329	-
704	IPI00229295.1	Epb4.113	1.63	0.88	0.01329	-
705	IPI00229294.1	Epb4.113	1.63	0.95	0.01329	-
706	IPI00955131.1	Prdx5	1.39	0.94	0.01336	0.78569
707	IPI00461964.3	Aldh6a1	1.58	1.03	0.01339	0.76061
708	IPI00114401.1	Emd	0.78	1.24	0.01342	0.45615
709	IPI00128826.1	Cacng8	1.59	0.85	0.01344	0.47025
710	IPI00277552.2	Oxr1	2.19	-	0.01361	-
711	IPI00654216.2	Oxr1	2.19	-	0.01361	-
712	IPI00117929.1	Oxr1	2.19	-	0.01361	-
713	IPI00845711.1	Gria2	1.46	0.77	0.01362	-
714	IPI00608015.1	Gria2	1.46	0.94	0.01362	0.44339
715	IPI00136967.2	Gria2	1.46	-	0.01362	-
716	IPI00134997.3	Dlgap3	2.48	-	0.01362	-
717	IPI00462847.1	Ptprd	1.41	0.94	0.01364	-
718	IPI00551337.1	Ptprd	1.41	-	0.01364	-
719	IPI00750473.1	Lingo1	1.46	0.75	0.01364	0.62137
720	IPI00134200.1	Lingo1	1.46	-	0.01364	-
721	IPI00874939.1	Slc35f1	0.33	1.27	0.01368	0.54506
722	IPI00396670.3	Slc35f1	0.33	-	0.01368	-
723	IPI00132526.1	Camk4	1.55	-	0.01368	-
724	IPI00877328.1	Camk4	1.55	0.88	0.01368	0.74093
725	IPI00128632.6	AU040829	2.05	-	0.01368	-

726	IPI00648903.3	AU040829	2.05	1.05	0.01368	-
727	IPI00831188.1	AU040829	2.05	-	0.01368	-
728	IPI00403810.2	Tuba1c	0.64	0.96	0.01379	0.65555
729	IPI00647986.1	LOC100044356;N	1.89	1.14	0.01382	0.47487
730	IPI00228680.2	Nrxn3	1.56	0.84	0.01389	0.48497
731	IPI00658782.4	LOC100044212;G	1.79	0.75	0.01396	0.49522
732	IPI00461277.4	Rap1gap2	1.57	2.25	0.01440	-
733	IPI00875755.1	Rap1gap2	1.57	0.92	0.01440	0.90659
734	IPI00928106.1	Kcnab2	2.57	0.60	0.01445	-
735	IPI00315359.1	Kcnab2	2.57	0.83	0.01445	-
736	IPI00116281.3	Cct6a	0.62	0.85	0.01451	0.39376
737	IPI00757517.1	Ttc7b	3.50	0.63	0.01458	0.2965
738	IPI00121322.2	Etfdh	1.67	1.27	0.01504	0.45615
739	IPI00225533.1	Necap1	1.76	0.94	0.01506	0.76574
740	IPI00135677.2	Ehd3	1.64	0.97	0.01508	0.73565
741	IPI00133399.1	Ndufa6	1.88	1.05	0.01537	0.60542
742	IPI00621485.2	Tom1l2	1.94	-	0.01537	-
743	IPI00409418.7	Tom1l2	1.94	0.94	0.01537	0.53529
744	IPI00308667.1	Dynlt3	3.32	-	0.01539	-
745	IPI00329927.4	Nfasc	1.42	0.95	0.01580	0.6995
746	IPI00624192.3	Dpysl5	0.55	1.12	0.01601	0.62763
747	IPI00623241.3	Sgip1	1.51	0.82	0.01601	-
748	IPI00128346.1	Cisd1	1.43	1.16	0.01629	0.35616
749	IPI00918906.1	Opa1	1.63	-	0.01661	-
750	IPI00750832.1	Madd	1.58	-	0.01663	-
751	IPI00651878.1	Ak3l1	1.92	0.94	0.01688	0.54013
752	IPI00125035.1	Ak3l1;Ak3l2-ps	1.92	-	0.01688	-
753	IPI00408269.4	Snap91	1.50	-	0.01705	-
754	IPI00230165.1	Snap91	1.50	0.92	0.01705	0.44339
755	IPI00122409.1	Snap91	1.50	-	0.01705	-
756	IPI00322150.8	Thop1	1.66	0.73	0.01705	0.58413
757	IPI00405625.9	Cyfp2	1.40	0.89	0.01707	0.45615
758	IPI00230715.5	Ndufa13	1.41	1.04	0.01728	0.8199
759	IPI00228150.1	Immt	1.48	-	0.01728	-
760	IPI00112584.3	Camk2d	2.07	-	0.01729	-
761	IPI00230754.5	Slc25a11	1.63	1.09	0.01744	0.49967
762	IPI00816877.1	Adcy5	1.50	0.76	0.01762	0.35843
763	IPI00756908.2	Adcy5	1.50	-	0.01762	-
764	IPI00807819.1	LOC100044663	1.68	-	0.01762	-
765	IPI00856972.2	Prkar1b	1.87	0.99	0.01776	-
766	IPI00857789.1	Prkar1b	1.87	1.10	0.01776	0.48176
767	IPI00310841.4	Prkar1b	1.87	-	0.01776	-
768	IPI00761957.1	Psd3	1.95	-	0.01778	-
769	IPI00122633.3	Acsf2	1.73	1.00	0.01780	0.98873
770	IPI00756703.1	Ppp3ca	2.51	-	0.01786	-
771	IPI00944706.1	Bcas1	5.00	0.85	0.01790	0.57753
772	IPI00330860.2	Bcas1	5.00	-	0.01790	-
773	IPI00470956.1	Grm7	0.30	0.78	0.01791	0.45149
774	IPI00462008.5	LOC100047352	1.67	-	0.01793	-
775	IPI00886354.1	4933407C03Rik	1.35	-	0.01803	-
776	IPI00403174.2	Slc25a25	1.48	1.10	0.01803	0.79634
777	IPI00755086.1	Slc25a25	1.48	-	0.01803	-

778	IPI00673886.5	Sorbs2	1.86	-	0.01837	-
779	IPI00923680.1	Sorbs2	1.86	1.04	0.01837	0.90283
780	IPI00119124.2	Fundc1	2.35	0.97	0.01837	0.86916
781	IPI00828479.1	Acox1	0.73	1.07	0.01843	-
782	IPI00462075.4	Gm5507	1.82	-	0.01857	-
783	IPI00845840.1	Pkm2	1.43	0.87	0.01858	0.47487
784	IPI00930809.1	Cacng3	4.08	0.75	0.01885	0.47039
785	IPI00134137.1	Gdap1	1.42	0.98	0.01931	0.8724
786	IPI00138217.2	Srr	1.91	-	0.01942	-
787	IPI00407158.2	Srr	1.91	1.04	0.01942	0.84304
788	IPI00116394.2	Atp9a	0.55	-	0.01954	-
789	IPI00113149.1	Stx1b	1.39	-	0.01954	-
790	IPI00130624.1	Pld3	1.86	1.28	0.01988	0.31297
791	IPI00752412.1	Atp1a3	1.86	0.68	0.02026	-
792	IPI00845775.1	Ctbp1	1.63	-	0.02039	-
793	IPI00463026.4	Il1rap1	2.58	1.53	0.02057	0.5524
794	IPI00349908.6	Il1rap1	1.65	-	0.02074	-
795	IPI00120984.5	Ndufa8	1.38	1.05	0.02080	0.52386
796	IPI00132050.1	Ndufc2;LOC67585	1.50	1.06	0.02099	0.49522
797	IPI00110825.1	Ndufc2	1.50	-	0.02099	-
798	IPI00885316.1	Crk	1.44	-	0.02100	-
799	IPI00124245.1	G3bp2	0.63	1.14	0.02107	0.68399
800	IPI00330269.3	Dnajc6	1.56	-	0.02107	-
801	IPI00650037.2	Dnajc6	1.56	0.87	0.02107	0.35843
802	IPI00762713.1	Dnajc6	1.56	-	0.02107	-
803	IPI00620097.2	Madd	1.65	-	0.02107	-
804	IPI00874726.1	Madd	1.65	-	0.02107	-
805	IPI00875369.1	Madd	1.65	-	0.02107	-
806	IPI00330606.4	Madd	1.65	1.28	0.02107	-
807	IPI00606039.3	Shank1	1.80	0.74	0.02108	0.37683
808	IPI00857618.1	Armc10	0.65	-	0.02140	-
809	IPI00757909.2	Armc10	0.65	1.18	0.02140	0.71877
810	IPI00761607.1	Hdhd2	1.56	0.94	0.02140	0.79851
811	IPI00310916.1	Cd81	1.78	-	0.02149	-
812	IPI00889811.1	Rpn2	0.76	-	0.02154	-
813	IPI00754992.1	Rpn2	0.76	1.12	0.02154	0.37683
814	IPI00475154.1	Rpn2	0.76	-	0.02154	-
815	IPI00387379.1	Decr1	1.34	0.93	0.02154	0.62627
816	IPI00123186.4	Rhot1	1.35	1.13	0.02187	0.3937
817	IPI00312058.5	Cat	0.61	-	0.02196	-
818	IPI00930882.1	Slc3a2	1.37	0.93	0.02198	0.76773
819	IPI00114641.3	Slc3a2	1.37	-	0.02198	-
820	IPI00115599.6	Hsd11b1	6.10	-	0.02205	-
821	IPI00885751.1	Hsd11b1	6.10	1.23	0.02205	0.37683
822	IPI00227432.7	Dnm3	1.33	-	0.02207	-
823	IPI00625738.3	Dnm3	1.33	0.90	0.02207	0.35843
824	IPI00115827.1	Gbas	1.70	-	0.02239	-
825	IPI00133886.1	Cuta	2.66	-	0.02242	-
826	IPI00461933.2	Cuta	2.66	-	0.02242	-
827	IPI00752044.1	LOC100045241	0.65	0.69	0.02253	0.45615
828	IPI00654420.1	Prosc	2.10	1.02	0.02253	0.9348
829	IPI00131548.1	Prosc	2.10	-	0.02253	-

830	IPI00284806.8	Hprt	1.45	0.93	0.02285	0.59365
831	IPI00849927.1	Rpl10a;Gm15451	0.72	1.17	0.02313	0.35843
832	IPI00226872.1	Efh2	2.78	1.26	0.02357	0.37683
833	IPI00112223.1	Efh2	2.78	-	0.02357	-
834	IPI00130661.1	Tpp1	1.91	0.78	0.02370	0.79297
835	IPI00831347.1	Htra2	1.45	-	0.02371	-
836	IPI00323819.3	Rps20	0.73	1.21	0.02395	0.31297
837	IPI00753468.2	Ap2a2	1.34	0.88	0.02411	0.49522
838	IPI00109061.1	Tubb2b	0.62	0.86	0.02416	0.51846
839	IPI00112555.3	Gars	0.59	0.97	0.02420	0.88863
840	IPI00869393.1	Cat	0.64	0.93	0.02440	0.72694
841	IPI00858243.1	Fkbp4	0.67	-	0.02476	-
842	IPI00816848.2	Abcb7	1.47	1.00	0.02478	0.98022
843	IPI00761646.3	Abcb7	1.47	-	0.02478	-
844	IPI00672663.2	Abcb7	1.47	-	0.02478	-
845	IPI00119063.2	Lrp1	0.67	1.11	0.02502	0.38642
846	IPI00381059.1	Lrrc4b	0.67	-	0.02526	-
847	IPI00310972.4	Rap1gds1	1.52	-	0.02526	-
848	IPI00131193.1	mt-Co3	1.50	-	0.02528	-
849	IPI00340932.1	mt-Co3	1.50	1.05	0.02528	0.81239
850	IPI00751369.1	Ldha	1.38	0.94	0.02531	0.73026
851	IPI00319994.6	Ldha	1.38	-	0.02531	-
852	IPI00116896.1	mt-Atp8;mt-Atp6	1.42	1.01	0.02531	0.9364
853	IPI00113347.3	Crat	1.54	-	0.02531	-
854	IPI00875497.1	Crat	1.54	0.95	0.02531	0.76061
855	IPI00378063.1	Ap2b1	1.36	0.88	0.02551	0.49522
856	IPI00662285.1	Nptn	2.19	0.82	0.02604	0.37683
857	IPI00465999.5	Shank1	1.90	-	0.02628	-
858	IPI00758339.1	Shank1	1.90	-	0.02628	-
859	IPI00750256.2	Ak1	1.58	0.96	0.02640	0.59444
860	IPI00128209.3	Ak1	1.58	-	0.02640	-
861	IPI00165731.3	Abhd12	1.37	1.07	0.02643	0.39385
862	IPI00762114.3	Abhd12	1.37	-	0.02643	-
863	IPI00349970.6	Prickle2	1.88	-	0.02643	-
864	IPI00876463.1	Prickle2	1.88	0.32	0.02643	0.5754
865	IPI00323571.1	Apoe	1.59	1.14	0.02680	0.50543
866	IPI00153660.4	Dlat	1.41	1.13	0.02681	0.37683
867	IPI00115650.4	Cacybp	0.72	1.19	0.02712	0.45615
868	IPI00314883.4	Dnm2	1.37	-	0.02712	-
869	IPI00131445.2	Dnm2	1.37	-	0.02712	-
870	IPI00129526.1	Hsp90b1	0.80	1.09	0.02724	0.45615
871	IPI00474157.4	Tomm40	1.49	1.35	0.02728	0.37683
872	IPI00133903.1	Hspa9	1.24	-	0.02733	-
873	IPI00880839.1	Hspa9	1.24	1.02	0.02733	0.74093
874	IPI00119346.1	Calb2	1.49	1.04	0.02755	0.88994
875	IPI00453777.2	Atp5d	1.47	1.07	0.02770	0.76841
876	IPI00130322.5	Ndufa7	2.73	1.06	0.02775	0.64916
877	IPI00114352.1	Bin1	1.38	0.93	0.02797	0.49522
878	IPI00338309.4	Ryr2	1.58	0.93	0.02805	0.47039
879	IPI00649253.1	Pgm2;Pgm1	1.45	0.11	0.02816	-
880	IPI00122740.2	Macrod1	1.83	1.12	0.02831	0.73565
881	IPI00653921.2	Rdx	1.99	1.03	0.02846	0.69244

882	IPI00222930.4	Rhot1	1.27	-	0.02887	-
883	IPI00515349.1	Rhot1	1.27	-	0.02887	-
884	IPI00808243.1	4933407C03Rik	1.30	0.80	0.02898	-
885	IPI00665002.4	4933407C03Rik	1.30	-	0.02898	-
886	IPI00118978.4	Hcn1	2.41	0.70	0.02906	0.65786
887	IPI00817046.1	Inpp5j	2.16	0.83	0.02942	-
888	IPI00653744.1	Lrrc59	0.76	1.09	0.03011	0.63643
889	IPI00111265.3	Capza2	1.29	0.95	0.03086	0.66765
890	IPI00890133.1	Dnm1	2.86	0.88	0.03090	0.35843
891	IPI00465648.3	Dnm1	2.86	-	0.03090	-
892	IPI00875326.1	Tomm40	1.55	-	0.03105	-
893	IPI00661414.2	Arpc2	1.23	0.94	0.03134	0.54174
894	IPI00330523.1	Pcca	1.79	1.06	0.03137	0.81108
895	IPI00222263.4	Dlgap2	4.38	-	0.03162	-
896	IPI00467058.2	Dlgap2	4.38	0.85	0.03162	0.44643
897	IPI00928507.1	Dlgap2	4.38	-	0.03162	-
898	IPI00474100.1	Cnksr2	2.08	1.32	0.03184	0.8055
899	IPI00110990.1	Dusp3	2.13	-	0.03187	-
900	IPI00848566.1	Macf1	0.62	0.84	0.03194	0.47039
901	IPI00121218.5	Fahd2a	1.88	0.94	0.03194	0.71743
902	IPI00223377.1	Mbp	1.25	0.94	0.03212	0.59028
903	IPI00108125.4	Eif5a	0.77	0.98	0.03219	0.76194
904	IPI00624653.1	Usmg5	1.68	1.17	0.03223	0.39089
905	IPI00135977.3	Clic4	2.19	-	0.03247	-
906	IPI00776084.1	Atp5c1	1.26	-	0.03272	-
907	IPI00131666.1	Slc1a6	1.89	0.71	0.03283	0.35843
908	IPI00875652.1	Prkar1a	1.78	-	0.03332	-
909	IPI00856377.1	Prkar1b	1.78	-	0.03332	-
910	IPI00856616.1	Prkar1b	1.78	-	0.03332	-
911	IPI00845776.1	3-Sep	1.74	0.93	0.03359	0.82533
912	IPI00762700.2	Myo6	1.51	-	0.03391	-
913	IPI00117454.1	Eps15	2.73	1.31	0.03394	0.66692
914	IPI00474508.1	-	1.83	0.87	0.03450	0.8537
915	IPI00111255.1	Cox7c;LOC100048	1.83	1.14	0.03450	-
916	IPI00225254.6	Mtx2	1.49	1.08	0.03470	0.49823
917	IPI00719901.2	Prosc	1.87	-	0.03623	-
918	IPI00115787.1	Tm9sf2	0.75	-	0.03681	-
919	IPI00653300.1	Tm9sf2	0.75	1.19	0.03681	0.45615
920	IPI00122548.3	Vdac3	1.30	1.07	0.03681	0.77811
921	IPI00876341.1	Vdac3	1.30	1.07	0.03681	0.61501
922	IPI00377681.2	N28178;LOC1000	1.84	-	0.03684	-
923	IPI00123639.1	Calr	0.85	1.16	0.03692	0.31297
924	IPI00749749.1	Slc25a25	1.55	-	0.03692	-
925	IPI00752950.1	Slc25a25	1.55	-	0.03692	-
926	IPI00265568.6	Slc25a25	1.55	0.97	0.03692	-
927	IPI00751337.3	D430041D05Rik	1.75	-	0.03722	-
928	IPI00874461.1	D430041D05Rik	1.75	0.79	0.03722	0.62552
929	IPI00755241.1	Nckap1	1.34	0.85	0.03819	0.39388
930	IPI00319320.4	Nckap1	1.34	-	0.03819	-
931	IPI00874565.1	Nckap1	1.34	-	0.03819	-
932	IPI00117176.1	Faah	1.56	0.98	0.03819	-
933	IPI00622833.2	Tpd52	2.63	-	0.03831	-

934	IPI00625441.3	Tpd52	2.63	0.91	0.03831	0.77811
935	IPI00230212.5	Gstm1	1.38	0.91	0.03844	0.52385
936	IPI00649135.2	Gstm1	1.38	0.68	0.03844	-
937	IPI00112327.2	Mtx1	1.48	-	0.03853	-
938	IPI00938432.1	Mtx1	1.48	1.05	0.03853	0.83335
939	IPI00229796.3	Pygb	1.31	0.80	0.03893	0.47039
940	IPI00133522.1	P4hb	0.76	1.06	0.03902	0.59444
941	IPI00656204.1	Nckap1	1.41	-	0.03922	-
942	IPI00230005.3	Prkaca	1.21	0.98	0.03926	0.94711
943	IPI00227900.1	Prkaca	1.21	-	0.03926	-
944	IPI00918701.1	Brp44l	1.81	0.73	0.03926	-
945	IPI00113141.1	Cs	1.24	1.00	0.03959	0.9364
946	IPI00757585.1	Klc2	0.78	0.95	0.04025	0.7881
947	IPI00753928.1	Klc2	0.78	-	0.04025	-
948	IPI00844651.1	Klc2	0.78	-	0.04025	-
949	IPI00135626.2	Aqp4	1.36	-	0.04025	-
950	IPI00230738.2	Aqp4	1.36	-	0.04025	-
951	IPI00230737.2	Aqp4	1.36	0.96	0.04025	0.67004
952	IPI00751092.1	Gm12270	0.64	0.94	0.04223	-
953	IPI00125901.5	Rps13;Gm10159;l	0.64	-	0.04223	-
954	IPI00831541.1	Capn5	0.70	0.79	0.04223	0.4103
955	IPI00114962.1	Capn5	0.70	-	0.04223	-
956	IPI00131693.2	Cntfr	1.28	0.90	0.04223	0.76194
957	IPI00351472.1	-	1.36	-	0.04223	-
958	IPI00319111.3	Sdhc	1.41	1.13	0.04223	0.54013
959	IPI00622811.2	Ap2m1	1.58	0.91	0.04223	0.55924
960	IPI00116356.5	Ap2m1	1.58	1.14	0.04223	-
961	IPI00112377.1	Rdh14	1.64	1.04	0.04223	0.86645
962	IPI00911165.1	Gspt1	0.63	0.96	0.04228	0.83874
963	IPI00230355.2	Gspt1	0.63	-	0.04228	-
964	IPI00875040.1	Pcp4	2.63	-	0.04228	-
965	IPI00831305.1	Pcp4	2.63	0.87	0.04228	0.78183
966	IPI00229996.5	Pcp4	2.63	-	0.04228	-
967	IPI00121378.2	Alcam	1.29	0.92	0.04246	0.57665
968	IPI00554845.2	Immt	1.38	1.03	0.04252	0.78422
969	IPI00775975.1	Cdh13	1.31	0.83	0.04300	0.39872
970	IPI00321320.3	Grin2b	1.41	0.79	0.04312	0.49522
971	IPI00121575.1	Alg2	0.75	1.10	0.04330	0.45615
972	IPI00648501.1	Ak3l1	1.92	-	0.04330	-
973	IPI00137460.3	Armc10	0.65	-	0.04411	-
974	IPI00265467.3	Rgs6	1.95	1.10	0.04413	0.62623
975	IPI00229598.4	Cnp	1.63	0.78	0.04494	-
976	IPI00830211.1	Rps10	0.64	-	0.04632	-
977	IPI00112448.1	Rps10	0.64	1.10	0.04632	0.71119
978	IPI00762525.2	-	0.64	1.21	0.04632	-
979	IPI00283600.2	Slc25a23	1.90	1.18	0.04632	0.39388
980	IPI00315808.3	Mrps36	1.32	1.06	0.04657	0.39831
981	IPI00123281.1	Lrrc59	0.75	-	0.04688	-
982	IPI00277874.4	Stmn2	0.19	-	0.04698	-
983	IPI00890167.1	Stmn2	0.19	-	0.04698	-
984	IPI00279443.1	Hspa12a	1.47	0.94	0.04712	0.59331
985	IPI00122486.3	Camkv	1.29	0.75	0.04747	0.37683

986	IPI00122349.1	Dpysl3	0.32	1.46	0.04761	-
987	IPI00406447.3	Dpysl3	0.32	1.15	0.04761	0.85039
988	IPI00881485.1	Dpysl3	0.32	-	0.04761	-
989	IPI00853793.1	LOC100048746	0.77	-	0.04837	-
990	IPI00851014.1	Gm2223	0.77	0.99	0.04837	-
991	IPI00230415.5	Eif2s3x	0.77	-	0.04837	-
992	IPI00134478.1	Cox8a	1.84	-	0.04921	-
993	IPI00848572.1	LOC100048483	1.84	-	0.04921	-
994	IPI00606510.1	Pccb	1.41	-	0.04951	-
995	IPI00918862.1	Pccb	1.41	1.06	0.04951	0.75042
996	IPI00468653.4	Pccb	1.41	-	0.04951	-
997	IPI00134058.3	Erp44	0.44	1.11	0.04965	0.61426
998	IPI00788326.1	Cacnb3	1.58	1.20	0.04968	0.69244
999	IPI00788347.1	Cacnb3	1.58	-	0.04968	-
1000	IPI00132734.1	Dynll2	1.71	0.99	0.05016	0.94639
1001	IPI00719927.2	Pcdh1	1.84	1.05	0.05016	0.88276
1002	IPI00465469.5	Mapt	0.46	1.03	0.05040	-
1003	IPI00124389.1	Chchd4	1.55	-	0.05057	-
1004	IPI00458851.2	-	0.60	1.05	0.05081	0.73026
1005	IPI00875792.1	Hmg1l1	0.60	-	0.05081	-
1006	IPI00665601.1	LOC637733	0.60	-	0.05081	-
1007	IPI00420261.5	Hmgb1;Gm15387	0.60	-	0.05081	-
1008	IPI00127085.6	Rpl10a	0.77	-	0.05081	-
1009	IPI00223378.1	Mbp	1.19	-	0.05081	-
1010	IPI00555150.2	Snx3	0.76	1.10	0.05098	0.68856
1011	IPI00420136.2	Snx3	0.76	-	0.05098	-
1012	IPI00112312.3	Ppp3cb	1.44	-	0.05098	-
1013	IPI00475109.1	Ppp3cb	1.44	0.98	0.05098	0.95528
1014	IPI00828221.2	Gpm6b	2.20	0.90	0.05122	0.73026
1015	IPI00124115.1	S100a13	1.53	1.35	0.05136	0.82671
1016	IPI00896572.1	Metap2	0.42	0.78	0.05141	-
1017	IPI00272238.5	Metap2	0.42	-	0.05141	-
1018	IPI00115620.1	Psat1	1.55	-	0.05149	-
1019	IPI00849626.1	LOC100046628	0.69	-	0.05189	-
1020	IPI00674226.5	Gm5611	0.69	-	0.05189	-
1021	IPI00127415.1	Npm1	0.69	-	0.05189	-
1022	IPI00468717.7	LOC633387	0.69	-	0.05189	-
1023	IPI00515155.1	Npm1	0.69	1.16	0.05189	0.49522
1024	IPI00649841.1	Npm1	0.69	-	0.05189	-
1025	IPI00648014.1	Npm1	0.69	-	0.05189	-
1026	IPI00674263.3	Rap1gap	1.51	-	0.05189	-
1027	IPI00649324.3	Rap1gap	1.51	0.79	0.05189	0.38642
1028	IPI00649617.5	Rap1gap	1.51	-	0.05189	-
1029	IPI00454016.5	Mat2a	1.43	-	0.05221	-
1030	IPI00135475.3	Dbn1	0.62	1.03	0.05225	0.85958
1031	IPI00406741.5	Mtap4	0.70	0.99	0.05231	0.95795
1032	IPI00874893.1	Stx1b	1.37	0.77	0.05231	0.35843
1033	IPI00123313.1	Uba1	0.81	0.95	0.05233	0.64948
1034	IPI00311767.4	Slc20a2	2.00	0.96	0.05233	-
1035	IPI00229834.3	Copa	0.67	1.23	0.05266	-
1036	IPI00928004.1	Copa	0.67	1.06	0.05266	0.8204
1037	IPI00123777.1	Fut8	0.57	-	0.05270	-

1038	IPI00606219.2	Fut8	0.57	-	0.05270	-
1039	IPI00850173.1	-	0.59	0.95	0.05270	-
1040	IPI00338604.5	Myh10	0.85	0.92	0.05270	0.8044
1041	IPI00757312.1	Myh10	0.85	0.94	0.05270	-
1042	IPI00515398.1	Myh10	0.85	0.97	0.05270	0.89952
1043	IPI00221845.1	Atcay	1.31	0.89	0.05270	0.5009
1044	IPI00346482.3	Cdh10	1.79	-	0.05270	-
1045	IPI00459383.2	Abcb8	1.97	1.22	0.05270	0.35843
1046	IPI00130535.1	Dbt	1.48	-	0.05275	-
1047	IPI00890234.1	Dbt	1.48	1.06	0.05275	0.88492
1048	IPI00626662.3	Aldh1a1	1.83	1.20	0.05283	0.80225
1049	IPI00125929.2	Ndufa4	1.89	1.02	0.05283	0.91272
1050	IPI00756676.3	Bcas1	5.00	-	0.05306	-
1051	IPI00227843.6	Tpp2	1.33	0.90	0.05319	-
1052	IPI00307931.1	Rhot1	1.23	1.07	0.05342	0.74914
1053	IPI00471028.2	Madd	1.73	-	0.05342	-
1054	IPI00153990.1	Actr1b	1.34	0.92	0.05361	0.5055
1055	IPI00138089.4	Lrrc47	0.41	1.11	0.05547	-
1056	IPI00751804.1	LOC100047888	4.00	-	0.05566	-
1057	IPI00315794.1	Cyb5b	1.23	0.98	0.05576	0.85039
1058	IPI00678532.3	Fam82a2	1.34	0.88	0.05619	0.5487
1059	IPI00116760.1	Rab24	1.53	1.06	0.05626	0.78297
1060	IPI00115429.1	Ggt7	1.19	-	0.05633	-
1061	IPI00928550.1	Ggt7;Myh7b	1.19	1.03	0.05633	0.86238
1062	IPI00622235.5	Vcp	1.16	1.00	0.05652	0.87475
1063	IPI00330477.4	Epn1	1.98	-	0.05684	-
1064	IPI00407944.2	Epn1	1.98	0.87	0.05684	0.68765
1065	IPI00131994.1	Ndufb2	1.88	1.05	0.05747	0.73026
1066	IPI00923036.1	Pdcd6ip	1.71	0.95	0.05749	0.78422
1067	IPI00944688.1	Pdcd6ip	1.71	-	0.05749	-
1068	IPI00453818.3	Pdcd6ip	1.71	0.88	0.05749	-
1069	IPI00420385.4	11-Sep	1.42	-	0.05778	-
1070	IPI00454142.5	11-Sep	1.42	1.11	0.05778	0.7202
1071	IPI00454143.3	11-Sep	1.42	-	0.05778	-
1072	IPI00114375.2	Dpysl2	0.71	0.90	0.05800	0.49522
1073	IPI00876202.1	Nap1l4	0.71	0.80	0.05800	0.39385
1074	IPI00133977.3	Nap1l4	0.71	-	0.05800	-
1075	IPI00889914.1	Ankfy1	0.54	1.14	0.05819	0.38012
1076	IPI00672213.3	Clasp1	0.76	0.97	0.05839	0.93505
1077	IPI00121788.1	Prdx1	1.25	1.03	0.05839	0.86978
1078	IPI00222767.1	Pdhx	1.54	1.10	0.05839	0.45615
1079	IPI00272681.2	Gnal	1.93	0.87	0.05839	0.65253
1080	IPI00229525.1	Gnal	1.93	-	0.05839	-
1081	IPI00881278.1	Adcy9	2.10	0.22	0.05905	0.67836
1082	IPI00313750.3	Adcy9	2.10	0.70	0.05905	-
1083	IPI00116222.1	Hibadh	1.73	0.94	0.05932	0.76381
1084	IPI00554884.1	Strn	1.51	1.03	0.06028	0.86916
1085	IPI00352986.2	Strn	1.51	-	0.06028	-
1086	IPI00111416.1	Stx12	0.59	1.09	0.06031	0.62603
1087	IPI00124639.1	Nt5c	2.00	-	0.06055	-
1088	IPI00648626.1	Nt5c	2.00	1.14	0.06055	0.48176
1089	IPI00885497.1	4933407C03Rik	1.30	-	0.06073	-

1090	IPI00775867.1	Slc24a2	3.85	0.78	0.06232	0.49522
1091	IPI00221608.3	Samm50	1.40	1.12	0.06296	0.42933
1092	IPI00380227.1	Nrgn	2.09	0.69	0.06296	-
1093	IPI00895370.1	Gria3	2.03	0.90	0.06308	0.43541
1094	IPI00131472.4	Gria3	2.03	-	0.06308	-
1095	IPI00309035.2	Rpn1	0.73	1.10	0.06396	0.3937
1096	IPI00230034.5	Ddt	1.49	-	0.06399	-
1097	IPI00655156.3	Ccdc109a	1.30	1.10	0.06437	0.45615
1098	IPI00331556.5	Hspa4	1.39	0.88	0.06437	0.5127
1099	IPI00317309.5	Anxa5	1.76	0.91	0.06460	0.55514
1100	IPI00474116.3	Ppp3r1	1.86	-	0.06515	-
1101	IPI00845833.1	Ppp3r1	1.86	0.85	0.06515	0.47487
1102	IPI00113377.1	Rplp1	0.68	1.04	0.06553	0.8044
1103	IPI00331555.2	Bckdha	1.85	1.03	0.06553	0.72661
1104	IPI00119152.1	Cpe	1.46	1.11	0.06570	0.38012
1105	IPI00122815.3	P4hb	0.76	-	0.06639	-
1106	IPI00881332.1	Caprin1	0.40	-	0.06660	-
1107	IPI00757359.1	Caprin1	0.40	1.15	0.06660	0.57854
1108	IPI00857226.1	Acs1	1.51	-	0.06660	-
1109	IPI00556840.1	Acs1	1.51	1.07	0.06660	0.67208
1110	IPI00112549.1	Acs1	1.51	-	0.06660	-
1111	IPI00230171.1	Mink1	2.73	0.90	0.06660	0.75369
1112	IPI00124753.3	Mink1	2.73	-	0.06660	-
1113	IPI00649777.1	Mink1	2.73	-	0.06660	-
1114	IPI00468997.2	Mink1	2.73	-	0.06660	-
1115	IPI00648909.1	Mink1	2.73	-	0.06660	-
1116	IPI00468900.5	Atp2a2	1.21	0.93	0.06677	-
1117	IPI00322440.5	Ube2k	0.35	0.83	0.06696	-
1118	IPI00135686.2	Ppib	0.74	1.07	0.06696	0.63877
1119	IPI00121105.2	Hadh	1.46	1.06	0.06713	0.69343
1120	IPI00119952.1	Gpm6b	2.56	-	0.06779	-
1121	IPI00165688.2	Slc23a2	1.32	1.00	0.06786	0.97873
1122	IPI00132093.1	Pin1	1.33	0.96	0.06786	0.70862
1123	IPI00875218.1	Anxa6	1.42	-	0.06786	-
1124	IPI00662936.2	Tmem132b	2.10	-	0.06786	-
1125	IPI00225993.1	Adap1	1.66	-	0.06808	-
1126	IPI00378768.5	Adap1	1.66	1.02	0.06808	0.90928
1127	IPI00750657.1	LOC100045439	1.27	0.87	0.06850	0.76773
1128	IPI00331265.8	Mapt	0.54	0.97	0.06884	0.83082
1129	IPI00453815.3	Tbrg4	1.61	1.41	0.06953	-
1130	IPI00848390.1	LOC100046166	1.61	-	0.06953	-
1131	IPI00828226.1	Tbrg4	1.61	1.22	0.06953	0.56346
1132	IPI00223875.1	Asrg1	2.65	-	0.06983	-
1133	IPI00875943.1	Asrg1	2.65	2.10	0.06983	0.69983
1134	IPI00319231.4	Rps15	0.57	1.18	0.06994	0.38012
1135	IPI00407546.2	Eif2s3y	0.74	-	0.07001	-
1136	IPI00230416.5	Eif2s3y	0.74	-	0.07001	-
1137	IPI00466610.5	Map2k1	1.88	0.88	0.07037	0.37683
1138	IPI00900464.2	Sorbs2	1.77	-	0.07093	-
1139	IPI00154004.1	LOC100046081;O	1.60	-	0.07095	-
1140	IPI00331295.4	G3bp2	0.62	0.99	0.07103	-
1141	IPI00311236.1	Rpl7	0.60	1.13	0.07114	0.45149

1142	IPI00955651.1	Rpl7	0.60	-	0.07114	-
1143	IPI00133608.3	Ociad1	1.28	1.07	0.07114	0.45751
1144	IPI00137424.2	Ecsit	1.31	1.05	0.07114	0.71175
1145	IPI00620601.1	Astn1	1.45	0.85	0.07114	0.37683
1146	IPI00890092.1	Aldh7a1	1.58	0.85	0.07157	0.49522
1147	IPI00230084.5	Aldh7a1	1.58	-	0.07157	-
1148	IPI00117811.3	Ap3d1	1.29	0.87	0.07193	0.49165
1149	IPI00226958.3	Ncln	1.19	-	0.07204	-
1150	IPI00886162.1	Ncln	1.19	1.15	0.07204	0.59028
1151	IPI00133387.1	Hsbp1	1.33	0.84	0.07204	0.59066
1152	IPI00262319.4	Madd	1.57	-	0.07204	-
1153	IPI00753693.1	Madd	1.57	-	0.07204	-
1154	IPI00752156.1	Madd	1.57	-	0.07204	-
1155	IPI00828390.1	Madd	1.57	-	0.07204	-
1156	IPI00857052.1	Madd	1.57	-	0.07204	-
1157	IPI00756378.1	Madd	1.57	-	0.07204	-
1158	IPI00828295.1	Madd	1.57	-	0.07204	-
1159	IPI00828551.1	Madd	1.57	-	0.07204	-
1160	IPI00761754.2	Madd	1.57	-	0.07204	-
1161	IPI00875878.1	Madd	1.57	-	0.07204	-
1162	IPI00757009.1	Madd	1.57	-	0.07204	-
1163	IPI00751295.1	Madd	1.57	-	0.07204	-
1164	IPI00314316.3	Mpp6	1.59	0.85	0.07286	0.50543
1165	IPI00785449.1	Folh1	1.90	0.15	0.07302	0.45615
1166	IPI00330464.5	Tdrkh	1.50	1.11	0.07348	0.50515
1167	IPI00119305.3	Pa2g4	0.42	1.33	0.07363	0.39388
1168	IPI00475138.1	Gm11223	0.45	-	0.07375	-
1169	IPI00551236.3	Stmn1	0.45	1.01	0.07375	0.8821
1170	IPI00276926.3	Slc25a1	1.21	1.11	0.07615	0.55416
1171	IPI00110100.1	Armc1	1.44	1.19	0.07622	0.44201
1172	IPI00312527.4	Crmp1	0.54	1.24	0.07634	0.48301
1173	IPI00420734.1	Mff	1.19	0.98	0.07634	0.84018
1174	IPI00648714.1	Eif5a	0.79	1.06	0.07645	0.76888
1175	IPI00229334.1	Ntrk2	1.54	-	0.07645	-
1176	IPI00124692.1	Taldo1	1.46	0.91	0.07655	0.50578
1177	IPI00118963.1	Mrpl12	1.40	1.06	0.07661	0.74093
1178	IPI00652233.1	Cspg5	1.41	0.53	0.07661	0.54506
1179	IPI00132696.2	Adck1	1.70	1.12	0.07733	0.76194
1180	IPI00848900.1	Gm12034	0.62	-	0.07768	-
1181	IPI00465880.4	Rps17	0.62	-	0.07768	-
1182	IPI00755495.2	Gm12034	0.62	1.13	0.07768	0.61123
1183	IPI00133440.1	Phb	1.19	1.08	0.07799	0.67004
1184	IPI00162949.1	Cdipt	1.21	1.00	0.07817	1
1185	IPI00885326.1	1500003O03Rik	1.21	0.94	0.07817	0.86916
1186	IPI00229680.5	LOC100048622;1!	1.21	-	0.07817	-
1187	IPI00275992.3	Htra2	1.34	-	0.07845	-
1188	IPI00621301.2	Daam1	0.58	-	0.07865	-
1189	IPI00857742.1	Daam1	0.58	0.77	0.07865	0.47686
1190	IPI00402997.3	Dap3	1.34	-	0.07896	-
1191	IPI00119689.1	Ap2b1	1.33	-	0.07980	-
1192	IPI00405227.3	Vcl	2.11	1.03	0.08003	0.79353
1193	IPI00315908.1	1700020C11Rik	3.22	0.96	0.08063	0.64484

1194	IPI00850413.1	Pgap1	0.57	1.51	0.08121	0.49823
1195	IPI00753459.1	Grin1	1.36	-	0.08149	-
1196	IPI00751834.1	Grin1	1.36	-	0.08149	-
1197	IPI00755459.1	Grin1	1.36	-	0.08149	-
1198	IPI00755015.1	Grin1	1.36	-	0.08149	-
1199	IPI00755985.1	Grin1	1.36	-	0.08149	-
1200	IPI00757811.1	Grin1	1.36	-	0.08149	-
1201	IPI00608056.1	Grin1	1.36	0.78	0.08149	0.47039
1202	IPI00118385.1	Grin1	1.36	-	0.08149	-
1203	IPI00754252.2	Ahcyl2	2.70	0.86	0.08149	0.49522
1204	IPI00308446.3	Ahcyl2	2.70	-	0.08149	-
1205	IPI00468385.1	LOC100047314;G	0.63	-	0.08184	-
1206	IPI00555045.2	Rpl21	0.63	-	0.08184	-
1207	IPI00473445.1	Gm7218	0.63	-	0.08184	-
1208	IPI00315548.3	Gm10240;Rpl21;C	0.63	-	0.08184	-
1209	IPI00875087.1	-	0.63	-	0.08184	-
1210	IPI00757596.3	Uso1	1.29	0.94	0.08184	-
1211	IPI00128071.7	Uso1	1.29	-	0.08184	-
1212	IPI00927968.1	Cpne6	1.58	0.84	0.08257	0.63964
1213	IPI00129451.1	Cpne6	1.58	-	0.08257	-
1214	IPI00849478.1	LOC100047252	1.57	0.98	0.08296	0.9348
1215	IPI00848485.1	LOC100047252	1.57	0.76	0.08296	-
1216	IPI00751146.1	Twf2	1.82	0.79	0.08296	0.73549
1217	IPI00129299.3	Twf2	1.82	-	0.08296	-
1218	IPI00109611.1	Fam162a	1.50	1.08	0.08352	0.62995
1219	IPI00116825.1	Abcf2	0.65	1.18	0.08419	0.47039
1220	IPI00554917.4	Cln6	0.61	1.66	0.08436	-
1221	IPI00875404.1	Cln6	0.61	-	0.08436	-
1222	IPI00626860.1	Mcts1	0.78	-	0.08538	-
1223	IPI00874436.1	Mcts1	0.78	0.96	0.08538	0.67004
1224	IPI00123831.2	Nptn	1.80	-	0.08570	-
1225	IPI00627008.2	Ptprz1	1.69	1.06	0.08581	0.81699
1226	IPI00471006.1	Elfn2	1.53	0.65	0.08634	0.31297
1227	IPI00751809.1	Ndr3	1.43	-	0.08653	-
1228	IPI00122421.5	Rpl27;Gm6199;Gi	0.77	1.20	0.08672	0.35843
1229	IPI00338964.3	Atp2a2	1.23	1.07	0.08726	0.42841
1230	IPI00153448.3	Them4	1.66	0.91	0.08726	0.77811
1231	IPI00320462.4	Bphl	1.52	0.83	0.08770	0.44201
1232	IPI00474002.1	Stmn2	0.18	0.83	0.08772	-
1233	IPI00115866.3	Hagh	3.79	-	0.08772	-
1234	IPI00880581.3	Hagh	3.79	1.00	0.08772	0.99343
1235	IPI00473707.3	6-Sep	1.28	-	0.08784	-
1236	IPI00226602.3	6-Sep	1.28	-	0.08784	-
1237	IPI00309207.5	Pafah1b1	0.46	0.86	0.08842	0.49165
1238	IPI00124900.1	Auh	1.56	1.09	0.08907	0.49522
1239	IPI00850488.1	LOC100045900	1.28	0.74	0.08952	0.35843
1240	IPI00850693.1	LOC100045900	1.28	-	0.08952	-
1241	IPI00229528.5	Bai1	1.28	-	0.08952	-
1242	IPI00229256.5	Syt7	1.80	0.72	0.09025	0.47039
1243	IPI00848818.1	Mtap4	0.47	1.05	0.09094	0.84321
1244	IPI00134941.1	Kras	1.27	0.89	0.09094	0.53529
1245	IPI00113248.1	Kras	1.27	-	0.09094	-

1246	IPI00338327.1	Ndr3	1.38	0.92	0.09094	0.71708
1247	IPI00136107.1	Ndr3	1.38	0.93	0.09094	0.52558
1248	IPI00649331.1	Prkag2	0.58	-	0.09313	-
1249	IPI00457576.1	Prkag2	0.58	-	0.09313	-
1250	IPI00856174.1	Prkag2	0.58	-	0.09313	-
1251	IPI00128126.1	Prkag2	0.58	-	0.09313	-
1252	IPI00858265.2	Prkag2	0.58	-	0.09313	-
1253	IPI00124684.1	Tsn	0.68	1.39	0.09313	0.67004
1254	IPI00676914.1	LOC675857	1.17	-	0.09313	-
1255	IPI00266836.1	1810026J23Rik	1.51	1.07	0.09398	0.76538
1256	IPI00953756.1	Inpp5j	1.96	-	0.09398	-
1257	IPI00173277.1	Inpp5j	1.96	-	0.09398	-
1258	IPI00123486.1	Scamp4	1.81	-	0.09416	-
1259	IPI00111501.1	Cplx2	1.38	0.82	0.09523	0.43541
1260	IPI00308691.1	Slc2a1	2.75	-	0.09523	-
1261	IPI00884508.1	Slc2a1	2.75	0.93	0.09523	0.5524
1262	IPI00128363.1	Mark1	1.47	-	0.09538	-
1263	IPI00119618.1	Canx	0.83	1.00	0.09556	0.98022
1264	IPI00623629.2	Mapk10	1.55	0.99	0.09556	0.98022
1265	IPI00776102.1	Mapk10	1.55	-	0.09556	-
1266	IPI00775773.1	Mapk10	1.55	-	0.09556	-
1267	IPI00406158.5	Mapk10	1.55	-	0.09556	-
1268	IPI00762375.2	Mapk10	1.55	-	0.09556	-
1269	IPI00880252.1	Serpinh1	0.63	1.15	0.09561	0.47039
1270	IPI00114733.1	Serpinh1	0.63	-	0.09561	-
1271	IPI00410985.4	Cadm1	1.36	0.77	0.09561	0.49522
1272	IPI00411088.5	Cadm1	1.36	-	0.09561	-
1273	IPI00115117.1	Stoml2	1.27	1.03	0.09614	0.85571
1274	IPI00129506.1	Timm17a	1.63	0.92	0.09704	-
1275	IPI00755231.1	Cds2	1.27	1.04	0.09759	-
1276	IPI00230067.3	Ptprs	1.28	-	0.09759	-
1277	IPI00915502.1	Ptprs	1.28	-	0.09759	-
1278	IPI00915512.1	Ptprs	1.28	-	0.09759	-
1279	IPI00928064.2	Mark1	1.39	0.83	0.09956	0.45615
1280	IPI00377680.4	Adcy2	1.66	0.57	0.09956	0.38642
1281	IPI00875457.1	Lrpprc	0.88	1.08	0.09993	0.6372
1282	IPI00420706.4	Lrpprc	0.88	-	0.09993	-
1283	IPI00230566.4	Gng7	1.68	0.86	0.09993	0.49522
1284	IPI00620804.2	Klc1	0.69	0.95	0.10031	0.84015
1285	IPI00655083.1	Klc1	0.69	-	0.10031	-
1286	IPI00874566.1	Klc1	0.69	-	0.10031	-
1287	IPI00623075.3	Klc1	0.69	-	0.10031	-
1288	IPI00653706.1	Fam126b	4.25	0.74	0.10080	0.49522
1289	IPI00226426.5	Fam126b	4.25	-	0.10080	-
1290	IPI00127417.1	Nme2	0.82	0.91	0.10298	0.59028
1291	IPI00468999.4	Cds2	1.25	-	0.10334	-
1292	IPI00129577.1	Aifm1	1.41	-	0.10334	-
1293	IPI00776047.1	Aifm1	1.41	1.21	0.10334	0.35843
1294	IPI00929839.1	Actr10	0.67	1.02	0.10341	0.9364
1295	IPI00137206.1	Actr10	0.67	-	0.10341	-
1296	IPI00314950.2	Rplp0	0.83	1.63	0.10341	0.35843
1297	IPI00626366.3	Gm8730	0.83	1.14	0.10341	-

1298	IPI00222759.3	Vat1l	1.24	0.85	0.10341	0.56891
1299	IPI00124742.3	Eif4h	1.36	-	0.10341	-
1300	IPI00222560.7	Eif4h	1.36	1.07	0.10341	0.59365
1301	IPI00830283.1	Abhd6	1.43	1.21	0.10341	0.47039
1302	IPI00321386.2	Abhd6	1.43	-	0.10341	-
1303	IPI00649152.3	Anxa6	1.45	0.81	0.10341	0.62548
1304	IPI00554894.2	Anxa6	1.45	0.75	0.10341	0.35616
1305	IPI00272230.1	Rab39b	1.58	1.34	0.10341	0.31297
1306	IPI00125807.3	Mpi	1.65	0.92	0.10341	0.85843
1307	IPI00135698.1	mt-Atp6	1.90	1.03	0.10350	0.8044
1308	IPI00123746.1	Cdh13	1.27	-	0.10401	-
1309	IPI00320217.9	Cct2	0.67	1.03	0.10409	0.37683
1310	IPI00410819.3	Ddost	0.77	1.12	0.10409	0.37995
1311	IPI00117705.1	Ddost	0.77	-	0.10409	-
1312	IPI00875723.1	Camk2b	1.21	-	0.10409	-
1313	IPI00649778.1	Camk2b	1.21	0.91	0.10409	0.63059
1314	IPI00474502.2	Camk2b	1.21	-	0.10409	-
1315	IPI00124046.1	Mpp6	1.65	-	0.10409	-
1316	IPI00928268.1	Pgls	0.76	0.94	0.10468	0.67208
1317	IPI00344142.4	Lin7a	1.49	0.73	0.10468	0.37683
1318	IPI00856405.1	Sez6l2	0.63	-	0.10494	-
1319	IPI00128454.1	Sez6l2	0.63	-	0.10494	-
1320	IPI00114162.3	Fabp5	0.59	0.90	0.10604	0.86467
1321	IPI00757353.2	Spna2	1.19	0.95	0.10604	0.70019
1322	IPI00230108.6	Pdia3	0.82	1.07	0.10637	0.47614
1323	IPI00115546.4	Gnao1	1.32	0.88	0.10637	0.52558
1324	IPI00129319.3	Ppp1r7	1.63	0.89	0.10637	0.5772
1325	IPI00330862.5	Ezr;LOC10004417	1.95	1.04	0.10753	0.84321
1326	IPI00320208.3	Eef1b2	0.66	1.27	0.10754	0.38012
1327	IPI00323357.3	Hspa8	1.15	0.96	0.10794	0.73549
1328	IPI00649804.2	Prkar1a	1.57	1.10	0.10794	0.5754
1329	IPI00119575.3	Prkar1a	1.57	-	0.10794	-
1330	IPI00762049.2	Prkar1a	1.57	0.86	0.10794	0.78569
1331	IPI00761641.1	Scn2a1	1.22	0.75	0.10803	0.47039
1332	IPI00123709.1	Akap12	0.36	-	0.10837	-
1333	IPI00867770.1	Akap12	0.36	0.84	0.10837	-
1334	IPI00124820.2	Coro1c	0.83	0.91	0.10837	0.71851
1335	IPI00652817.1	Slc32a1	1.61	-	0.10837	-
1336	IPI00402900.3	Elmo2	1.39	-	0.10926	-
1337	IPI00756692.2	Elmo2	1.39	-	0.10926	-
1338	IPI00133224.1	Fxyd6	0.71	-	0.10957	-
1339	IPI00230553.1	Fxyd6	0.71	1.03	0.10957	-
1340	IPI00648654.1	Dusp3	2.02	0.46	0.10957	0.65135
1341	IPI00466424.4	Rab1	1.12	-	0.10972	-
1342	IPI00880463.1	Ddah1	1.23	1.12	0.11014	0.70155
1343	IPI00121515.5	Caprin1	0.40	-	0.11018	-
1344	IPI00319830.7	Spnb2	1.20	0.83	0.11034	0.37683
1345	IPI00314153.4	Yars	0.80	0.99	0.11047	0.98022
1346	IPI00129356.1	Itsn1	0.80	-	0.11077	-
1347	IPI00467571.1	Mff	1.19	0.90	0.11258	0.53367
1348	IPI00278804.1	Scamp1	1.29	-	0.11354	-
1349	IPI00121949.1	Lanc12	1.21	-	0.11395	-

1350	IPI00858209.1	Lanc12	1.21	0.99	0.11395	0.82481
1351	IPI00458127.1	Dbnl	1.50	-	0.11395	-
1352	IPI00378015.1	Dbnl	1.50	1.16	0.11395	0.73026
1353	IPI00308222.3	Dbnl	1.50	-	0.11395	-
1354	IPI00461623.1	Mat2a	1.41	0.85	0.11456	0.66501
1355	IPI00347634.2	Dnaja3	1.74	1.06	0.11456	0.71877
1356	IPI00279858.1	Dnaja3	1.74	1.04	0.11456	-
1357	IPI00120414.1	Dnaja3	1.74	-	0.11456	-
1358	IPI00228236.6	Spcs2	0.53	1.12	0.11539	0.57476
1359	IPI00153144.3	Suox	1.57	1.42	0.11585	0.71877
1360	IPI00831258.1	Anp32b	1.94	1.30	0.11596	0.45615
1361	IPI00113536.3	Anp32b	1.94	-	0.11596	-
1362	IPI00928150.1	Kcnab2	2.56	-	0.11602	-
1363	IPI00875244.1	Cadm1	1.24	-	0.11631	-
1364	IPI00322447.4	Cadm1	1.24	-	0.11631	-
1365	IPI00461967.2	Cadm1	1.24	-	0.11631	-
1366	IPI00626928.1	Tmem65	1.45	1.14	0.11631	0.64574
1367	IPI00309262.3	Cdk5	1.18	0.98	0.11678	0.86896
1368	IPI00119524.1	Strn4	0.72	-	0.11695	-
1369	IPI00607010.1	Strn4	0.72	1.26	0.11695	0.45615
1370	IPI00224069.3	Exog	1.25	0.96	0.11695	0.85039
1371	IPI00115833.2	Mtap6	1.39	1.06	0.11695	0.53529
1372	IPI00749947.1	Cbx6-Nptxr;Cbx6;	1.63	1.13	0.11695	0.45663
1373	IPI00900461.1	Sorbs2	1.63	-	0.11695	-
1374	IPI00177047.10	Sorbs2	1.63	-	0.11695	-
1375	IPI00900398.1	Sorbs2	1.63	-	0.11695	-
1376	IPI00928280.1	Sorbs2	1.63	-	0.11695	-
1377	IPI00133518.2	Cacnb3	1.58	-	0.11712	-
1378	IPI00955148.1	Chchd6	1.49	-	0.11720	-
1379	IPI00313390.3	Chchd6	1.49	-	0.11720	-
1380	IPI00955145.1	Chchd6	1.49	0.91	0.11720	0.62095
1381	IPI00874402.1	Chchd6	1.49	0.92	0.11720	-
1382	IPI00474497.1	Gabrb3	2.12	0.82	0.11842	0.3937
1383	IPI00130546.1	Gabrb3	2.12	-	0.11842	-
1384	IPI00856842.1	Ociad1	1.42	0.99	0.11891	-
1385	IPI00466570.4	Tmed10	0.83	1.13	0.11905	0.37683
1386	IPI00133428.3	Psmc1	1.43	1.00	0.11905	0.97544
1387	IPI00874334.1	Rimbp2	4.32	1.02	0.11905	-
1388	IPI00831651.2	Rimbp2	4.32	-	0.11905	-
1389	IPI00227832.8	Clcn6	0.70	-	0.11910	-
1390	IPI00121440.4	Etfb	1.32	1.23	0.11910	-
1391	IPI00757916.1	LOC100045699	1.32	1.07	0.11910	0.81988
1392	IPI00848492.1	LOC100045699	1.32	-	0.11910	-
1393	IPI00320831.3	Nbea	0.86	-	0.11956	-
1394	IPI00469204.2	Nbea	0.86	0.85	0.11956	0.35843
1395	IPI00649885.3	Acadvl	2.35	1.10	0.11956	0.61094
1396	IPI00119203.4	Acadvl	2.35	-	0.11956	-
1397	IPI00341322.3	Ndufb6	1.35	1.05	0.11993	0.5524
1398	IPI00112126.1	1810027O10Rik	1.60	1.11	0.12119	0.76773
1399	IPI00881320.1	Brsk1	1.64	-	0.12171	-
1400	IPI00515701.1	Brsk1	1.64	0.82	0.12171	-
1401	IPI00515156.1	Timm22	1.39	0.98	0.12240	0.96735

1402	IPI00315325.1	Timm22	1.39	1.84	0.12240	-	
1403	IPI00857793.1	Snx3	0.80	-	0.12247	-	
1404	IPI00380220.2	Ntrk3	1.40	0.81	0.12261	0.50968	
1405	IPI00117803.6	Astn1	1.42	-	0.12282	-	
1406	IPI00321348.3	Igsf8	1.19	0.89	0.12408	0.53529	
1407	IPI00404182.2	Rhob	1.25	0.96	0.12408	0.8586	
1408	IPI00125266.1	Asah1	1.29	1.07	0.12408	0.62108	
1409	IPI00808312.2		3-Sep	1.72	1.08	0.12547	-
1410	IPI00331516.3	Dbn1	0.64	-	0.12654	-	
1411	IPI00551270.5	Ttyh1	2.48	-	0.12769	-	
1412	IPI00420152.3	Ttyh1	2.48	0.78	0.12769	-	
1413	IPI00409360.3	Acox1	0.72	0.90	0.12792	-	
1414	IPI00459745.3	Rap1gap	1.47	-	0.12864	-	
1415	IPI00127376.1	Wdr54	2.23	-	0.12984	-	
1416	IPI00880278.1	Wdr54	2.23	0.69	0.12984	-	
1417	IPI00123295.2	Fmn2	1.57	-	0.13020	-	
1418	IPI00120030.1	Crym	1.24	0.89	0.13036	0.35616	
1419	IPI00420221.3	Gm996	2.66	-	0.13071	-	
1420	IPI00112721.1	Ppp1r1a	0.62	0.81	0.13078	0.70614	
1421	IPI00153840.2	Cadm4	1.36	0.77	0.13114	0.37934	
1422	IPI00229992.1	Plxn1	1.45	1.19	0.13114	0.84491	
1423	IPI00464335.4	Psd	0.44	0.66	0.13161	0.36274	
1424	IPI00453826.2	Matr3	0.59	1.11	0.13181	0.37995	
1425	IPI00319518.4	Lonp1	1.37	1.12	0.13196	-	
1426	IPI00761408.2	Lonp1	1.37	1.12	0.13196	0.62548	
1427	IPI00129268.1	Gng3	1.47	0.91	0.13227	0.74814	
1428	IPI00318841.4	Eef1g	0.75	0.99	0.13318	0.96994	
1429	IPI00480321.2	Grif1	0.77	0.85	0.13318	0.37995	
1430	IPI00828496.2	Emd	0.77	-	0.13333	-	
1431	IPI00762814.3	AU042671	0.53	0.99	0.13574	0.96853	
1432	IPI00230305.1	Uqcc	1.33	-	0.13699	-	
1433	IPI00857713.1	Uqcc	1.33	-	0.13699	-	
1434	IPI00857580.1	Uqcc	1.33	1.28	0.13699	0.76754	
1435	IPI00858246.1	Uqcc	1.33	-	0.13699	-	
1436	IPI00109603.1	Uqcc	1.33	-	0.13699	-	
1437	IPI00858043.1	Uqcc	1.33	-	0.13699	-	
1438	IPI00749564.1	Uqcc	1.33	-	0.13699	-	
1439	IPI00108410.1	Atad1	1.19	0.98	0.14030	0.87147	
1440	IPI00117083.1	Grpel1	1.27	1.09	0.14038	0.53529	
1441	IPI00131843.3	Ccdc127	1.43	1.11	0.14055	0.75519	
1442	IPI00331602.1	Kcnb1	2.27	0.86	0.14055	0.54845	
1443	IPI00135596.1	Kcnb1	2.27	-	0.14055	-	
1444	IPI00880400.1	Rps2;Gm14583;G	0.69	1.18	0.14112	0.31297	
1445	IPI00109482.3	Ddah1	1.19	1.03	0.14116	0.86133	
1446	IPI00405462.5	Sorbs2	1.83	-	0.14116	-	
1447	IPI00900438.1	Sorbs2	1.83	-	0.14116	-	
1448	IPI00378681.6	Ubr4	0.72	-	0.14185	-	
1449	IPI00648709.2	Ubr4	0.72	0.88	0.14185	0.53754	
1450	IPI00845523.1	Ubr4	0.72	-	0.14185	-	
1451	IPI00227392.5	Ywhah	1.30	0.96	0.14185	0.8044	
1452	IPI00307991.1	Crk	1.25	-	0.14216	-	
1453	IPI00881709.1	Dpp6	2.00	-	0.14216	-	

1454	IPI00130389.3	Dpp6	2.00	-	0.14216	-
1455	IPI00762083.2	Dpp6	2.00	0.82	0.14216	0.43034
1456	IPI00955087.1	Med12	1.27	-	0.14245	-
1457	IPI00227168.2	Nlgn3	1.27	-	0.14245	-
1458	IPI00462803.5	6-Sep	1.24	1.06	0.14257	0.84365
1459	IPI00120295.1	Cldn11	0.80	0.86	0.14337	0.5524
1460	IPI00120716.3	Gnb1	1.20	0.96	0.14501	0.73026
1461	IPI00317740.5	Gnb2l1	0.69	1.10	0.14620	0.65064
1462	IPI00880347.2	Shisa7	2.43	0.86	0.14638	0.56614
1463	IPI00396753.2	Fam171a2	0.62	1.74	0.14672	0.71119
1464	IPI00753905.3	LOC100045876	0.52	-	0.14722	-
1465	IPI00761360.1	Gm6115	0.52	-	0.14722	-
1466	IPI00135087.3	Cops5	1.62	0.85	0.14823	0.43079
1467	IPI00121271.1	0610011F06Rik	2.39	1.02	0.14848	-
1468	IPI00113869.1	Bsg	1.26	-	0.14851	-
1469	contaminant_BASI_MOUSE		1.26	-	0.14851	-
1470	IPI00130733.3	Dhodh	1.56	1.19	0.14885	0.47039
1471	IPI00874846.3	Ckap5	0.78	-	0.14933	-
1472	IPI00317134.3	Ckap5	0.78	-	0.14933	-
1473	IPI00337930.4	Ckap5	0.78	0.97	0.14933	0.76571
1474	IPI00222549.6	Rpl30;Gm8808	0.73	-	0.14962	-
1475	IPI00463886.1	Gm7429	0.73	1.07	0.14962	0.72276
1476	IPI00553262.1	mt-Nd6;mt-Nd5	1.38	1.01	0.14970	0.73565
1477	IPI00480233.1	mt-Nd6;mt-Nd5	1.38	-	0.14970	-
1478	IPI00230124.5	Fabp3	1.53	-	0.14990	-
1479	IPI00606508.1	Gm6139	0.63	0.94	0.15028	-
1480	IPI00928306.1	Scamp1	1.23	1.00	0.15156	0.9987
1481	IPI00221725.2	Coro2b	1.39	1.08	0.15159	0.75733
1482	IPI00135563.1	Ncan	3.39	0.97	0.15302	0.84785
1483	IPI00420651.3	Ppp1r9b	1.34	0.80	0.15449	0.53638
1484	IPI00453673.4	Sik3	1.38	-	0.15654	-
1485	IPI00881185.2	Sik3	1.38	-	0.15654	-
1486	IPI00881163.2	Sik3	1.38	0.84	0.15654	0.54845
1487	IPI00132575.3	Cotl1	0.64	1.10	0.15734	0.6949
1488	IPI00459493.5	Tcp1	0.73	0.89	0.15797	0.5373
1489	IPI00230141.1	Acsl4	0.54	-	0.15864	-
1490	IPI00331179.5	Acsl4	0.54	-	0.15864	-
1491	IPI00131701.1	Acsl4	0.54	-	0.15864	-
1492	IPI00411079.2	Acsl4	0.54	1.15	0.15864	0.73026
1493	IPI00669522.4	Clasp1	0.77	-	0.15864	-
1494	IPI00880482.1	Clasp1	0.77	-	0.15864	-
1495	IPI00754853.1	Ptprs	1.24	0.88	0.15864	0.61297
1496	IPI00943452.1	Flot2	1.21	-	0.16401	-
1497	IPI00943403.1	Flot2	1.21	-	0.16401	-
1498	IPI00754549.2	Flot2	1.21	1.06	0.16401	-
1499	IPI00403266.3	Flot2	1.21	-	0.16401	-
1500	IPI00653398.1	Flot2	1.21	-	0.16401	-
1501	IPI00875821.1	Sbf1	1.33	0.89	0.16618	0.37683
1502	IPI00752390.4	Sbf1	1.33	-	0.16618	-
1503	IPI00132895.1	Mrpl45	3.84	0.94	0.16664	-
1504	IPI00274186.8	Arrb1	0.73	1.03	0.16930	0.70478
1505	IPI00116498.1	Ywhaz	1.13	0.94	0.16976	0.72722

1506	IPI00221754.3	Atl1	1.16	1.14	0.16984	0.31297
1507	IPI00134344.6	Spnb3	1.19	0.90	0.17006	0.56985
1508	IPI00129362.1	Fads2	0.53	1.29	0.17023	0.37683
1509	IPI00421137.3	Kif5c	0.70	-	0.17026	-
1510	IPI00880589.1	Auh	1.52	-	0.17079	-
1511	IPI00275050.2	Dap3	1.22	1.29	0.17093	0.49522
1512	IPI00808096.3	Mtap7d2	2.22	0.91	0.17167	0.84569
1513	IPI00459177.6	Mtap7d2	2.22	-	0.17167	-
1514	IPI00749628.1	Gm9104	0.62	-	0.17177	-
1515	IPI00453771.2	Ykt6	0.68	1.13	0.17200	0.57143
1516	IPI00380280.3	Cad	0.41	-	0.17322	-
1517	IPI00830256.1	Cad	0.41	-	0.17322	-
1518	IPI00138406.1	Rap1a	1.22	1.17	0.17330	0.37683
1519	IPI00918848.1	Inpp4a	1.20	-	0.17368	-
1520	IPI00918922.1	Inpp4a	1.20	-	0.17368	-
1521	IPI00919003.1	Inpp4a	1.20	0.95	0.17368	-
1522	IPI00919071.1	Inpp4a	1.20	-	0.17368	-
1523	IPI00224740.6	Pfn1	1.14	1.00	0.17416	0.97461
1524	IPI00623506.3	Ank3	1.15	0.96	0.17416	0.85412
1525	IPI00132412.3	Mrpl10	1.30	0.82	0.17416	0.45615
1526	IPI00135604.5	Pcsk1n	0.83	0.98	0.17453	0.9326
1527	IPI00272854.2	Pgbd5	1.59	1.08	0.17487	0.54845
1528	IPI00154047.1	Hibch	1.25	1.08	0.17557	0.78265
1529	IPI00885424.1	Hibch	1.25	-	0.17557	-
1530	IPI00459570.1	Tpm3	0.69	0.92	0.17647	-
1531	IPI00322931.4	Peci	1.21	-	0.17647	-
1532	IPI00877214.1	Peci	1.21	1.08	0.17647	0.85986
1533	IPI00125397.1	Slc30a3	4.08	1.07	0.17801	0.76671
1534	IPI00323897.3	Rab11a	0.72	1.17	0.17927	0.5772
1535	IPI00132799.4	C1qbp	1.15	1.08	0.17969	0.47039
1536	IPI00885322.1	Mllt4	0.47	-	0.18065	-
1537	IPI00845596.1	Mllt4	0.47	-	0.18065	-
1538	IPI00853902.1	Mllt4	0.47	0.93	0.18065	0.77388
1539	IPI00224518.2	Rab5c	1.24	-	0.18067	-
1540	IPI00404579.1	Rab5c	1.24	1.29	0.18067	0.63129
1541	IPI00895387.1	Bcat1	2.06	-	0.18067	-
1542	IPI00762176.1	Bcat1	2.06	0.87	0.18067	0.53529
1543	IPI00875896.1	Bcat1	2.06	-	0.18067	-
1544	IPI00895538.1	Bcat1	2.06	-	0.18067	-
1545	IPI00131584.1	Slc25a20	2.24	1.12	0.18147	0.72021
1546	IPI00116558.1	Rhog	2.33	0.92	0.18203	0.78833
1547	IPI00849548.1	LOC640369;Gm15	1.07	0.98	0.18332	0.94277
1548	IPI00128986.1	Tagln3	1.28	0.86	0.18415	0.48651
1549	IPI00875117.1	Crmp1	0.53	1.08	0.18445	0.78275
1550	IPI00785371.2	L1cam	0.85	0.86	0.18445	0.59994
1551	IPI00139788.2	Trf	1.41	0.93	0.18473	0.91716
1552	IPI00649072.2	LOC100044692	0.85	-	0.18504	-
1553	IPI00874350.1	Aldh3a2	1.19	-	0.18504	-
1554	IPI00761984.1	Aldh3a2	1.19	1.00	0.18504	-
1555	IPI00515370.1	Aldh3a2	1.19	-	0.18504	-
1556	IPI00112776.1	Atp8a1	1.30	-	0.18504	-
1557	IPI00132720.2	Slc32a1	2.05	-	0.18504	-

1558	IPI00221831.1	Slc32a1	2.05	0.78	0.18504	0.47039
1559	IPI00757372.2	Isoc2a	1.38	0.94	0.18632	0.7605
1560	IPI00471477.1	Serbp1	0.60	-	0.18638	-
1561	IPI00884509.1	Serbp1	0.60	1.40	0.18638	-
1562	IPI00471476.1	Serbp1	0.60	-	0.18638	-
1563	IPI00471475.1	Serbp1	0.60	1.18	0.18638	-
1564	IPI00113845.1	Psmb1	1.13	1.13	0.18638	0.53529
1565	IPI00895035.1	Gria3	2.44	0.85	0.18638	-
1566	IPI00761666.2	Vps13c	5.14	-	0.18638	-
1567	IPI00473340.3	Vps13c	5.14	-	0.18638	-
1568	IPI00551411.5	Vps13c	5.14	0.83	0.18638	0.63775
1569	IPI00661059.2	Vps13c	5.14	0.91	0.18638	-
1570	IPI00132208.1	Dnaja1	0.73	-	0.18649	-
1571	IPI00623518.2	Gm7816	0.73	0.87	0.18649	0.40625
1572	IPI00226414.7	Abhd10	1.27	-	0.18658	-
1573	IPI00404935.2	Abhd10	1.27	0.68	0.18658	-
1574	IPI00648303.2	Tmem11	1.29	1.17	0.18658	0.38642
1575	IPI00222447.1	Tmem11	1.29	-	0.18658	-
1576	IPI00652056.1	Mtdh	1.67	-	0.18658	-
1577	IPI00130185.1	Ppp1ca	1.13	0.92	0.18744	0.5754
1578	IPI00121851.2	Vbp1	0.70	0.83	0.18935	0.59894
1579	IPI00129512.3	Psmb4	1.31	0.96	0.18935	0.93586
1580	IPI00623371.2	Bcan	1.37	-	0.18935	-
1581	IPI00869394.1	Bcan	1.37	1.06	0.18935	0.76538
1582	IPI00135857.3	LOC545845;Gm85	1.66	-	0.18935	-
1583	IPI00130589.8	Sod1	1.66	0.95	0.18935	0.79634
1584	IPI00108194.1	Mrps26	1.32	1.19	0.19033	0.49165
1585	IPI00308885.6	Hspd1	1.17	1.01	0.19166	0.92141
1586	IPI00406778.3	L1cam	0.86	-	0.19222	-
1587	IPI00928020.1	Otub1	1.49	0.91	0.19222	0.6995
1588	IPI00116192.1	Prdx3	1.23	1.02	0.19240	0.87527
1589	IPI00475302.2	Camk2b	1.29	-	0.19240	-
1590	IPI00470000.2	Clstn1	1.42	-	0.19240	-
1591	IPI00649216.1	Clstn1	1.42	-	0.19240	-
1592	IPI00620988.1	Clstn1	1.42	1.09	0.19240	0.63407
1593	IPI00895414.1	-	1.43	0.87	0.19240	0.37683
1594	IPI00649794.1	Park7	1.43	-	0.19240	-
1595	IPI00895518.1	-	1.43	-	0.19240	-
1596	IPI00894769.1	-	1.43	-	0.19240	-
1597	IPI00222049.1	Neo1	0.35	0.83	0.19312	0.53529
1598	IPI00621548.2	Por	0.79	1.02	0.19346	0.82911
1599	IPI00225264.3	Eri3	0.52	-	0.19562	-
1600	IPI00649884.2	Eri3	0.52	-	0.19562	-
1601	IPI00123519.6	Arl6ip1	0.87	0.79	0.19593	0.7082
1602	IPI00133451.2	Scoc	0.69	-	0.19675	-
1603	IPI00458011.5	Gm16500	0.69	1.08	0.19675	0.88143
1604	IPI00894942.1	Scoc	0.69	-	0.19675	-
1605	IPI00620834.2	Scoc	0.69	-	0.19675	-
1606	IPI00848537.1	LOC100045253	0.69	-	0.19675	-
1607	IPI00830896.1	Nit1	1.71	1.00	0.19675	-
1608	IPI00128873.2	Nit1	1.71	-	0.19675	-
1609	IPI00407938.1	Ociad1	1.36	0.97	0.19682	-

1610	IPI00876504.1	Gstz1	2.18	0.97	0.19682	0.85883
1611	IPI00126120.1	Gstz1	2.18	-	0.19682	-
1612	IPI00757186.1	Mtch1	1.19	-	0.20008	-
1613	IPI00137173.1	Mtch1	1.19	-	0.20008	-
1614	IPI00742287.1	Mtch1	1.19	1.16	0.20008	0.5524
1615	IPI00221932.1	Mal2	2.07	0.92	0.20008	0.66898
1616	IPI00890076.1	Maoa	1.21	1.16	0.20035	0.37683
1617	IPI00114560.5	Rab1	1.27	1.05	0.20080	0.76194
1618	IPI00229647.5	Tln2	1.23	1.27	0.20291	-
1619	IPI00117896.3	Mapre1	0.64	1.29	0.20338	0.39385
1620	IPI00126913.5	Atad3a	1.22	1.11	0.20370	0.63129
1621	IPI00123129.1	Snd1	0.81	1.28	0.20376	0.31297
1622	IPI00762897.2	Uggt1	0.82	1.10	0.20420	0.35616
1623	IPI00458068.6	Fkbp15	1.14	-	0.20420	-
1624	IPI00929847.1	Fkbp15	1.14	2.06	0.20420	-
1625	IPI00648460.3	Cdc26;Fkbp15	1.14	1.02	0.20420	-
1626	IPI00416130.1	Pex5l	2.00	-	0.20467	-
1627	IPI00282186.3	Pex5l	2.00	0.83	0.20467	0.44384
1628	IPI00125412.1	Pex5l	2.00	-	0.20467	-
1629	IPI00857176.1	Pex5l	2.00	-	0.20467	-
1630	IPI00875944.1	Pex5l	2.00	0.88	0.20467	-
1631	IPI00222723.1	Pigk	0.69	1.05	0.20471	0.90659
1632	IPI00111073.2	Pigk	0.69	-	0.20471	-
1633	IPI00226993.5	Txn1	1.25	1.01	0.20471	0.96239
1634	IPI00408119.6	Mtap4	0.52	-	0.20627	-
1635	IPI00624501.2	Asna1	0.84	1.01	0.20696	0.98342
1636	IPI00323483.3	Pdcd6ip	1.83	-	0.20746	-
1637	IPI00625588.1		1.17	1.20	0.20909	0.48898
1638	IPI00620325.2	Ndr4	0.77	1.00	0.20913	0.97801
1639	IPI00165902.1	Timm10;Timm13	1.24	1.19	0.20913	0.37683
1640	IPI00338855.3	Gstm3	1.41	-	0.21007	-
1641	IPI00463891.1	Gnas	1.21	-	0.21020	-
1642	IPI00469793.3	Gnas	1.21	-	0.21020	-
1643	IPI00750570.1	Gnas	1.21	-	0.21020	-
1644	IPI00118899.1	Actn4	1.64	0.93	0.21020	0.64484
1645	IPI00468605.4	Nlgn2	1.32	0.74	0.21021	0.38642
1646	IPI00121514.3	Stip1	1.21	0.89	0.21067	0.49522
1647	IPI00124154.2	Ndr4	0.76	-	0.21120	-
1648	IPI00225031.4	Ndr4	0.76	0.56	0.21120	-
1649	IPI00555004.3	Adh5	0.81	1.01	0.21120	0.96421
1650	IPI00129491.1	Kcnd2	1.23	0.75	0.21170	0.64484
1651	IPI00321734.7	Glo1	1.29	0.96	0.21170	0.83947
1652	IPI00114945.1		1.15	1.04	0.21204	0.84321
1653	IPI00322312.3	Arhgdia	1.25	0.93	0.21204	0.59066
1654	IPI00877182.1	Capza1	0.85	-	0.21239	-
1655	IPI00330063.6	Capza1	0.85	-	0.21239	-
1656	IPI00848950.1	Gm3608	0.85	-	0.21239	-
1657	IPI00322156.1	Slc38a3	1.22	0.94	0.21249	0.78275
1658	IPI00223060.1	Pck2	1.70	0.91	0.21275	0.75454
1659	IPI00123783.2	Odz3	0.47	-	0.21359	-
1660	IPI00798466.1	Odz3	0.47	1.00	0.21359	0.98022
1661	IPI00830643.2	Odz3	0.47	-	0.21359	-

1662	IPI00849793.1	Rpl12	0.81	1.24	0.21359	0.44201
1663	IPI00831038.1	Gpm6b	2.24	-	0.21359	-
1664	IPI00420590.3	D3Bwg0562e	1.43	0.77	0.21544	0.59331
1665	IPI00111181.1	Vps35	1.21	1.07	0.21620	0.65088
1666	IPI00955696.1	Gabrb2	1.57	0.58	0.21749	0.62562
1667	IPI00137787.3	Rpl8	0.75	0.95	0.21766	0.84785
1668	IPI00137311.1	Plxna1	0.71	0.78	0.21826	0.38574
1669	IPI00131695.3	Alb	1.17	1.36	0.21826	0.39089
1670	IPI00381416.6	Cdkl5	1.56	1.33	0.21833	-
1671	IPI00831130.1	Glod4	0.75	0.73	0.21836	-
1672	IPI00112630.2	Glod4	0.75	-	0.21836	-
1673	IPI00110721.5	Glod4	0.75	0.97	0.21836	0.81528
1674	IPI00126042.3	Rab14	1.15	1.08	0.21836	0.70016
1675	IPI00404970.2	Arhgap1	1.26	1.00	0.21898	0.98873
1676	IPI00224070.2	Arhgap1	1.26	-	0.21898	-
1677	IPI00132410.1	Rab5a	1.62	1.09	0.21898	0.74206
1678	IPI00881222.1	Lphn3	1.39	-	0.22041	-
1679	IPI00619988.3	Lphn3	1.39	-	0.22041	-
1680	IPI00880426.1	Lphn3	1.39	-	0.22041	-
1681	IPI00880921.1	Lphn3	1.39	-	0.22041	-
1682	IPI00816972.2	Lphn3	1.39	-	0.22041	-
1683	IPI00816961.1	Lphn3	1.39	-	0.22041	-
1684	IPI00411157.4	Lphn3	1.39	-	0.22041	-
1685	IPI00881939.1	Lphn3	1.39	-	0.22041	-
1686	IPI00230283.5	Gfm1	2.38	0.92	0.22041	0.70974
1687	IPI00130883.1	Rbm3	0.62	-	0.22170	-
1688	IPI00378187.2	Rbm3	0.62	1.33	0.22170	0.37683
1689	IPI00121276.4	Mecr	1.26	0.95	0.22176	0.35843
1690	IPI00457668.1	Scfd1	0.67	1.08	0.22286	0.71487
1691	IPI00224219.1	Scfd1	0.67	-	0.22286	-
1692	IPI00928224.1	Adcy3	2.77	0.74	0.22327	0.64948
1693	IPI00929756.1	Adcy3	2.77	-	0.22327	-
1694	IPI00128323.3	Adcy3	2.77	-	0.22327	-
1695	IPI00918852.1	Dhodh	1.46	-	0.22346	-
1696	IPI00460653.2	Abi2	0.74	1.03	0.22356	0.92141
1697	IPI00380956.1	Abi2	0.74	-	0.22356	-
1698	IPI00221613.5	Arf1	1.24	0.97	0.22441	0.72973
1699	IPI00228583.5	Mtpn	0.61	0.94	0.22480	0.81665
1700	IPI00551443.2	Brsk2	1.87	-	0.22480	-
1701	IPI00134599.1	Rps3	0.71	1.17	0.22493	0.35616
1702	IPI00875406.1	Ppp1ca	1.15	-	0.22493	-
1703	IPI00230021.1	Itpr1	1.71	0.93	0.22493	0.66916
1704	IPI00474081.3	Itpr1	1.71	-	0.22493	-
1705	IPI00230023.1	Itpr1	1.71	-	0.22493	-
1706	IPI00134131.2	Scp2	1.82	-	0.22493	-
1707	IPI00554928.3	Nefl	2.25	1.03	0.22493	0.9364
1708	IPI00314191.6	Cbr1	0.65	0.89	0.22538	0.54845
1709	IPI00266188.6	Cfl2	1.20	1.26	0.22624	0.73565
1710	IPI00227585.6	Fabp7	0.53	1.36	0.22827	0.54174
1711	IPI00460662.1	Sez6l2	0.62	1.13	0.22928	0.47039
1712	IPI00754157.1	-	0.72	-	0.23041	-
1713	IPI00751485.1	Gm16468	0.72	1.20	0.23041	0.5062

1714	IPI00123199.1	Nap11l	0.84	-	0.23071	-
1715	IPI00929813.1	Nap11l	0.84	0.93	0.23071	0.68765
1716	IPI00274407.1	Tufm	1.15	0.99	0.23071	0.97589
1717	IPI00754509.1	Agap2	1.46	0.71	0.23071	0.35616
1718	IPI00349020.6	Agap2	1.46	-	0.23071	-
1719	IPI00112032.1	Carkd	1.19	-	0.23085	-
1720	IPI00894581.1	Carkd	1.19	0.81	0.23085	-
1721	IPI00895023.1	Carkd	1.19	0.90	0.23085	0.60491
1722	IPI00316495.3	Rab3c	2.67	0.98	0.23172	0.9364
1723	IPI00403058.1	Ganab	0.86	1.01	0.23219	0.92756
1724	IPI00308149.1	Ccny;LOC1000448	2.24	-	0.23254	-
1725	IPI00471272.1	LOC100044842;C	2.24	0.90	0.23254	0.7082
1726	IPI00229762.6	Usp30	1.19	1.22	0.23267	0.49522
1727	IPI00953764.1	Nlgn3	1.27	1.02	0.23267	-
1728	IPI00454159.1	Cspg5	1.22	-	0.23322	-
1729	IPI00223757.4	Akr1b3	0.52	0.88	0.23354	0.47269
1730	IPI00470138.4	Lrrc40	0.61	0.95	0.23354	-
1731	IPI00466422.2	Atp8a1	1.23	0.96	0.23354	0.85039
1732	IPI00831373.1	Atp8a1	1.23	-	0.23354	-
1733	IPI00856692.1	Dagla	1.68	0.78	0.23354	0.37995
1734	IPI00377311.1	Dagla	1.68	-	0.23354	-
1735	IPI00169622.3	Phyhip	5.23	0.88	0.23354	0.50085
1736	IPI00471478.1	Serbp1	0.58	-	0.23359	-
1737	IPI00475256.2	Gm13835	1.60	0.88	0.23376	0.52398
1738	IPI00331644.5	Psm3	1.60	-	0.23376	-
1739	IPI00321744.3	Ergic1	0.55	0.92	0.23515	0.84365
1740	IPI00354363.3	Gm6347	0.62	0.94	0.23516	-
1741	IPI00622160.3	Gm16477	0.62	-	0.23516	-
1742	IPI00330363.8	Rpl7a;Gm8226	0.62	-	0.23516	-
1743	IPI00109142.4	Esd	1.50	0.75	0.23516	0.38642
1744	IPI00125091.1	Lasp1	1.87	1.06	0.23574	0.83146
1745	IPI00758064.1	Psmc3	1.48	-	0.23575	-
1746	IPI00788392.1	Traf3	1.64	0.87	0.23575	-
1747	IPI00310635.3	Traf3	1.64	-	0.23575	-
1748	IPI00896659.1	Traf3	1.64	1.30	0.23575	-
1749	IPI00114399.1	Rundc3a	1.37	-	0.23765	-
1750	IPI00387392.4	Slc25a46	1.51	1.05	0.23883	0.85426
1751	IPI00322562.5	Rps14	0.65	0.99	0.23926	-
1752	IPI00111117.5	Arpc5l	1.37	1.06	0.23926	0.82481
1753	IPI00225046.1	Olfm1	2.00	0.92	0.23926	0.8044
1754	IPI00136712.1	Olfm1	2.00	-	0.23926	-
1755	IPI00720005.1	Olfm1	2.00	-	0.23926	-
1756	IPI00128973.1	Gap43	0.80	1.05	0.24001	0.88143
1757	IPI00109672.3	Yes1	0.62	1.15	0.24185	0.7202
1758	IPI00315100.1	Rhoa	1.22	0.88	0.24185	0.56985
1759	IPI00454120.1	Magi1	1.46	-	0.24185	-
1760	IPI00471108.1	Magi1	1.46	0.81	0.24185	-
1761	IPI00757349.3	Magi1	1.46	-	0.24185	-
1762	IPI00844720.1	Magi1	1.46	-	0.24185	-
1763	IPI00320836.1	Nbea	0.88	0.73	0.24225	-
1764	IPI00900399.1	Arhgap32	1.83	0.67	0.24485	0.35843
1765	IPI00230277.3	Mapk3	1.24	1.16	0.24602	0.39388

1766	IPI00283862.6	Psma1	1.30	0.91	0.24735	0.63713
1767	IPI00127447.3	Scarb2	0.72	1.13	0.24780	0.69116
1768	IPI00130008.1	Efnb3	0.50	0.96	0.24926	-
1769	IPI00117167.2	Gsn	1.65	-	0.24926	-
1770	IPI00759948.1	Gsn	1.65	1.00	0.24926	0.98187
1771	IPI00753326.1	Kif5c	0.69	0.92	0.24963	0.74378
1772	IPI00132531.1	Ndufb5	1.29	1.01	0.25008	0.9364
1773	IPI00652902.1	Gnai2	1.17	0.88	0.25160	0.62519
1774	IPI00853789.1	LOC100046435	0.72	-	0.25177	-
1775	IPI00125681.4	Pigs	0.62	0.87	0.25234	0.45615
1776	IPI00321308.4	Aars	0.78	1.14	0.25285	0.45615
1777	IPI00117168.3	Dpy30	0.47	0.88	0.25346	0.67747
1778	IPI00453803.5	Ube2o	0.80	-	0.25722	-
1779	IPI00875550.1	Ube2o	0.80	0.97	0.25722	0.85988
1780	IPI00153950.1	Prpsap2	1.35	-	0.25756	-
1781	IPI00944803.1	Prpsap2	1.35	0.88	0.25756	0.49522
1782	IPI00312174.6	Ptges2	1.16	-	0.25811	-
1783	IPI00947625.1	Ptges2	1.16	1.04	0.25811	0.87817
1784	IPI00875566.1	Letmd1	1.32	1.08	0.25811	0.45615
1785	IPI00874965.1	Letmd1	1.32	1.33	0.25811	-
1786	IPI00125771.3	Letmd1	1.32	-	0.25811	-
1787	IPI00223325.5	Gabbr1	1.65	0.83	0.25845	-
1788	IPI00135277.1	Rbbp9;LOC67752	1.71	1.16	0.25845	0.47039
1789	IPI00336291.6	Tecpr1	1.28	1.24	0.25856	-
1790	IPI00894600.1	Tecpr1	1.28	0.91	0.25856	0.86355
1791	IPI00322145.10	Ptplad1	1.11	1.08	0.26073	0.54716
1792	IPI00468902.2	Snx12	1.14	-	0.26100	-
1793	IPI00762269.1	Snx12	1.14	0.96	0.26100	0.91346
1794	IPI00877355.1	Snx12	1.14	-	0.26100	-
1795	IPI00877268.1	Snx12	1.14	-	0.26100	-
1796	IPI00471107.1	Magi1	1.36	0.82	0.26100	0.83229
1797	IPI00626639.2	Gm10095;LOC100	0.64	-	0.26121	-
1798	IPI00664929.1	Gm5816	0.64	1.33	0.26121	-
1799	IPI00606615.1	Gm8054	0.64	-	0.26121	-
1800	IPI00378437.3	Gm5528	0.64	-	0.26121	-
1801	IPI00273514.3	Gm7806	0.64	-	0.26121	-
1802	IPI00467197.5	Gm10045	0.64	-	0.26121	-
1803	IPI00114613.3	Cdc42bpb	0.74	0.85	0.26121	0.41517
1804	IPI00223437.4	Copg	0.78	1.06	0.26121	0.79187
1805	IPI00111235.2	Aldh3a2	1.14	0.90	0.26121	0.47039
1806	IPI00283511.1	Pdxk	1.47	0.75	0.26121	0.38642
1807	IPI00313222.5	Rpl6	0.74	-	0.26127	-
1808	IPI00626312.1	Gm6136	0.74	1.11	0.26127	0.49522
1809	IPI00606647.3	Bcl2l13	1.22	1.16	0.26291	0.47039
1810	IPI00317710.1	Hspa4l	1.48	-	0.26324	-
1811	IPI00120503.1	Copb1	0.64	1.15	0.26344	0.38642
1812	IPI00222037.3	Mia3	0.73	1.57	0.26344	-
1813	IPI00118930.1	Napa	1.30	1.01	0.26344	0.96907
1814	IPI00123782.6	Odz2	0.73	-	0.26481	-
1815	IPI00649917.1	Odz2	0.73	1.22	0.26481	0.78297
1816	IPI00114667.1	Psmc7	1.09	2.91	0.26481	0.74096
1817	IPI00117264.1	Park7	1.30	-	0.26481	-

1818	IPI00649406.1	Park7	1.30	-	0.26481	-
1819	IPI00319135.4	Surf1	1.90	0.98	0.26481	0.9548
1820	IPI00322610.5	Coasy	1.34	1.01	0.26503	0.98022
1821	IPI00230441.2	Vcan	1.19	1.11	0.26579	0.70951
1822	IPI00469172.3	Vcan	1.19	-	0.26579	-
1823	IPI00113362.2	Crkl	0.85	0.91	0.27098	0.69343
1824	IPI00653423.2	Bcat1	2.10	-	0.27098	-
1825	IPI00857790.1	Bcat1	2.10	-	0.27098	-
1826	IPI00329953.1	Stx7	0.61	1.42	0.27177	0.31297
1827	IPI00118217.3	Stx7	0.61	-	0.27177	-
1828	IPI00915057.1	AcsI3	0.79	0.90	0.27177	-
1829	IPI00153421.1	Dync1li1	0.90	0.92	0.27177	0.55416
1830	IPI00408495.1	Bsg	1.16	0.81	0.27184	0.44201
1831	IPI00462199.1	Bsg	1.16	-	0.27184	-
1832	IPI00880712.1	Auh	1.26	-	0.27213	-
1833	IPI00120590.3	Kit	0.91	-	0.27302	-
1834	IPI00754025.1	Kit	0.91	0.88	0.27302	-
1835	IPI00468121.1	Plcb1	1.10	0.92	0.27390	0.44339
1836	IPI00123276.1	Mosc2	1.34	0.98	0.27422	0.94207
1837	IPI00890144.1	Slc4a8	1.44	1.07	0.27422	0.8044
1838	IPI00315879.1	Cndp2	1.39	-	0.27460	-
1839	IPI00816921.2	Map6d1	2.48	1.36	0.27460	0.5009
1840	IPI00311873.5	Ppp1cb	1.12	0.89	0.27506	0.53529
1841	IPI00314069.1	Acot9	1.21	1.09	0.27538	0.5772
1842	IPI00465812.2	Epb4.1l1	0.87	0.77	0.27591	-
1843	IPI00137731.5	Stam	1.40	-	0.27648	-
1844	IPI00749697.1	Stam	1.40	1.11	0.27648	0.47039
1845	IPI00330122.2	Fam5b	1.26	1.17	0.27652	0.84321
1846	IPI00230003.7	Pitpna	1.25	1.05	0.27664	0.77811
1847	IPI00929894.1	Mtor	1.33	0.92	0.27664	0.73026
1848	IPI00268673.5	Mtor	1.33	-	0.27664	-
1849	IPI00776140.1	Capzb	1.12	-	0.27820	-
1850	IPI00474883.2	Capzb	1.12	1.00	0.27820	0.97749
1851	IPI00269481.7	Capzb	1.12	-	0.27820	-
1852	IPI00655177.1	Pip5k1c	1.18	0.91	0.27820	-
1853	IPI00918347.1	Pip5k1c	1.18	-	0.27820	-
1854	IPI00857937.1	Crk	1.20	-	0.27820	-
1855	IPI00345994.2	Crk	1.20	0.90	0.27820	0.49522
1856	IPI00858058.1	Crk	1.20	-	0.27820	-
1857	IPI00118952.1	1500032L24Rik	1.32	1.17	0.27820	0.35843
1858	IPI00112001.1	Cap2	2.72	0.87	0.27820	0.53529
1859	IPI00955134.1	Arpc4	1.89	1.01	0.27938	0.96041
1860	IPI00138691.6	Arpc4	1.89	-	0.27938	-
1861	IPI00331064.7	Cacna1e	2.41	0.80	0.28014	0.49522
1862	IPI00331163.9	Skp1a	1.15	0.91	0.28031	0.63836
1863	IPI00123278.1	Pycr2	1.30	1.06	0.28044	0.84785
1864	IPI00468380.4	Dclk1	0.78	1.19	0.28166	0.35687
1865	IPI00454053.7	2010300C02Rik	2.91	0.97	0.28209	0.97801
1866	IPI00648235.1	Nt5c3	0.84	0.80	0.28212	0.63274
1867	IPI00187512.7	Nt5c3	0.84	-	0.28212	-
1868	IPI00113849.1	Cdc42	1.21	0.91	0.28248	0.58379
1869	IPI00311369.1	Uchl3	2.81	1.62	0.28248	-

1870	IPI00405558.1	Uchl3	2.81	0.93	0.28248	-
1871	IPI00108330.2	Cnrip1	1.25	1.09	0.28370	0.5754
1872	IPI00131407.1	Psma5	1.12	0.94	0.28580	0.74914
1873	IPI00678250.1	Gm13125;Gm131	0.53	1.02	0.28603	0.95947
1874	IPI00661192.2	Gm6259	0.70	-	0.28703	-
1875	IPI00753932.1	-	0.70	-	0.28703	-
1876	IPI00118632.1	Gm11942	0.70	1.13	0.28703	0.47364
1877	IPI00134920.3	Gm10073	0.70	-	0.28703	-
1878	IPI00136655.1	Gcat	0.73	0.83	0.28703	0.74879
1879	IPI00938462.1	Gcat	0.73	-	0.28703	-
1880	IPI00130988.1	Dhcr7	0.76	0.96	0.28703	-
1881	IPI00857851.1	Dhcr7	0.76	-	0.28703	-
1882	IPI00622482.2	Rufy3	0.77	1.00	0.28703	0.98187
1883	IPI00848519.1	LOC100039215	0.89	1.00	0.28703	0.98117
1884	IPI00137296.1	Tsnax;LOC100039	0.89	-	0.28703	-
1885	IPI00881287.1	Fkbp8	1.11	1.23	0.28703	0.5754
1886	IPI00130833.3	Fkbp8	1.11	-	0.28703	-
1887	IPI00171974.1	Chmp4b	1.15	-	0.28703	-
1888	IPI00323016.2	Ntng1	1.34	-	0.28703	-
1889	IPI00465860.2	Ntng1	1.34	-	0.28703	-
1890	IPI00354771.2	Ntng1	1.34	-	0.28703	-
1891	IPI00323015.2	Ntng1	1.34	0.79	0.28703	0.59331
1892	IPI00742371.1	Ntng1	1.34	-	0.28703	-
1893	IPI00323012.2	Ntng1	1.34	-	0.28703	-
1894	IPI00354773.2	Ntng1	1.34	-	0.28703	-
1895	IPI00323017.2	Ntng1	1.34	-	0.28703	-
1896	IPI00354768.2	Ntng1	1.34	-	0.28703	-
1897	IPI00121833.3	Acaa1a;Acaa1b	1.13	1.07	0.28844	0.76381
1898	IPI00321978.3	Ranbp1	0.70	1.08	0.28876	-
1899	IPI00136965.1	Gria1	2.03	1.31	0.29087	-
1900	IPI00230665.2	Ncam1	0.89	0.84	0.29159	0.54845
1901	IPI00111218.1	Aldh2	0.82	0.98	0.29245	0.8724
1902	IPI00135869.3	Rab11b	0.87	1.05	0.29245	0.8262
1903	IPI00319992.1	Hspa5	0.90	-	0.29245	-
1904	contaminant_GR78_RAT		0.90	-	0.29245	-
1905	contaminant_GR78_MOUSE		0.90	1.11	0.29245	0.69126
1906	IPI00415914.3	Fbxo41	1.34	1.09	0.29245	0.85039
1907	IPI00313962.3	Uchl1	0.88	0.91	0.29372	0.63877
1908	IPI00405121.6	Unc13a	1.20	0.83	0.29467	0.49522
1909	IPI00336313.2	Ppp1r9a	1.33	1.08	0.29467	-
1910	IPI00125328.3	Epb4.9	1.22	-	0.29492	-
1911	IPI00620207.2	Epb4.9	1.22	1.00	0.29492	0.99153
1912	IPI00115679.1	Ganab	0.87	-	0.29737	-
1913	IPI00679159.2	Gm9000	0.54	-	0.29857	-
1914	IPI00473521.1	Gm10119	0.54	1.07	0.29857	0.71027
1915	IPI00331345.5	Rps3a	0.54	-	0.29857	-
1916	IPI00380780.7	Ikbkap	0.70	0.81	0.29864	0.49522
1917	IPI00343076.5	Pcdh19	0.80	-	0.30020	-
1918	IPI00867924.1	Pcdh19	0.80	-	0.30020	-
1919	IPI00750735.2	Pcdh19	0.80	-	0.30020	-
1920	IPI00108189.4	Hint1	0.85	0.92	0.30020	0.79986
1921	IPI00753915.2	LOC674706	1.19	1.00	0.30020	-

1922	IPI00129198.1	Epha4	1.24	-	0.30020	-
1923	IPI00337992.1	Epha4	1.24	0.87	0.30020	-
1924	IPI00230383.1	Epha4	1.24	1.00	0.30020	1
1925	IPI00274140.4	Arhgap32	1.91	-	0.30020	-
1926	IPI00225153.5	Shisa7	2.24	-	0.30032	-
1927	IPI00112335.1	Map2k4	1.16	1.13	0.30085	0.53529
1928	IPI00411109.4	Caskin1	1.52	-	0.30169	-
1929	IPI00408892.2	Rab7	1.16	1.09	0.30340	0.49522
1930	IPI00406118.1	Syncrip	0.53	1.26	0.30425	0.38642
1931	IPI00406117.1	Syncrip	0.53	-	0.30425	-
1932	IPI00321718.4	Phb2	1.11	1.04	0.30540	0.8044
1933	IPI00462006.3	Gm16375	0.61	-	0.30589	-
1934	IPI00265107.4	Gm5044	0.61	-	0.30589	-
1935	IPI00115157.2	Snca	2.67	-	0.30906	-
1936	IPI00849722.3	Cadm1	1.22	-	0.30923	-
1937	IPI00469251.5	Txnrd1	0.73	-	0.31077	-
1938	IPI00776252.1	Txnrd1	0.73	0.94	0.31077	0.86916
1939	IPI00830393.1	Cops6	1.21	0.95	0.31100	0.76888
1940	IPI00131873.1	Cops6	1.21	-	0.31100	-
1941	IPI00467854.1	Clip2	0.50	0.83	0.31132	0.42933
1942	IPI00662408.3	2010300C02Rik	2.44	0.76	0.31132	-
1943	IPI00129178.1	Oat	0.87	1.00	0.31211	0.98889
1944	IPI00117630.3	Itpr1	1.50	-	0.31211	-
1945	IPI00469221.5	Itpr1	1.50	-	0.31211	-
1946	IPI00133208.3	Hspa1l	1.17	0.95	0.31239	0.67208
1947	IPI00323822.1	Rras2	1.23	0.87	0.31266	0.86978
1948	IPI00885251.1	Camsap1	0.74	0.75	0.31338	0.35616
1949	IPI00673777.2	Camsap1	0.74	-	0.31338	-
1950	IPI00132993.1	Pak1	1.32	0.83	0.31349	0.53529
1951	IPI00850420.1	LOC100044883	2.19	-	0.31362	-
1952	IPI00850126.2	LOC100044883	2.19	-	0.31362	-
1953	IPI00223621.1	Mtap1s	0.77	0.94	0.31404	0.84491
1954	IPI00762452.2	Idh1	0.59	0.64	0.31555	0.60086
1955	IPI00135231.2	Idh1	0.59	-	0.31555	-
1956	IPI00553792.1	Caskin1	1.59	0.75	0.31555	0.36274
1957	IPI00222113.2	Cd99l2	1.76	0.77	0.31629	-
1958	IPI00153829.2	Cd99l2	1.76	-	0.31629	-
1959	IPI00776269.1	Cd99l2	1.76	-	0.31629	-
1960	IPI00407689.2	Gabbr1	1.68	-	0.31766	-
1961	IPI00755301.1	Gabbr1	1.68	-	0.31766	-
1962	IPI00223327.1	Gabbr1	1.68	-	0.31766	-
1963	IPI00153740.1	Ahsa1	1.18	0.93	0.31807	0.52558
1964	IPI00881945.1	Tpm3	0.69	-	0.31827	-
1965	IPI00461504.1	Gm5445	0.62	-	0.31889	-
1966	IPI00462005.1	Gm5495	0.62	-	0.31889	-
1967	IPI00404653.4	-	0.62	-	0.31889	-
1968	IPI00310220.3	Gnb4	1.35	0.99	0.31977	0.9617
1969	IPI00230019.1	Itpr1	1.38	-	0.31991	-
1970	IPI00330599.1	Mtdh	1.22	1.29	0.32081	0.35616
1971	IPI00120162.1	Csnk2a1	1.05	-	0.32259	-
1972	IPI00890345.1	Wdr47	0.87	0.98	0.32367	0.91639
1973	IPI00330193.3	Wdr47	0.87	-	0.32367	-

1974	IPI00121387.1	Gna11	1.14	0.92	0.32367	0.74428
1975	IPI00659932.4	Grm5	0.66	0.56	0.32630	0.38642
1976	IPI00553387.6	Grm5	0.66	-	0.32630	-
1977	IPI00403328.4	Pip5k1c	1.18	-	0.32630	-
1978	IPI00353887.4	Ccdc109a	1.30	-	0.32662	-
1979	IPI00270788.1	2310028O11Rik	1.23	-	0.32828	-
1980	IPI00110224.1	Hsd17b11	1.25	1.00	0.32883	-
1981	IPI00123494.3	Psm2	1.09	1.00	0.32910	0.9364
1982	IPI00122858.1	Saps3	0.75	-	0.32954	-
1983	IPI00719971.2	Saps3	0.75	0.97	0.32954	0.9348
1984	IPI00720007.1	Saps3	0.75	-	0.32954	-
1985	IPI00468685.2	Gpr37l1	5.78	0.71	0.33029	0.44201
1986	IPI00118723.3	Ppp2r4	1.19	0.94	0.33294	0.80273
1987	IPI00460063.2	Pcyox1	1.10	1.03	0.33303	0.88143
1988	IPI00133980.1	Hcn2	1.29	0.79	0.33355	0.37683
1989	IPI00604945.2	Mpst	0.86	0.91	0.33372	0.5062
1990	IPI00458105.2	Gm12816	0.65	-	0.33426	-
1991	IPI00170307.1	Apoa1bp	1.18	0.95	0.33426	0.64944
1992	IPI00118196.1	Mrps5	1.23	1.17	0.33443	0.37683
1993	IPI00169711.1	Maoa	1.18	-	0.33516	-
1994	IPI00318935.2	1810035L17Rik	0.62	-	0.33562	-
1995	IPI00462115.3	1810035L17Rik	0.62	1.08	0.33562	-
1996	IPI00719866.1	-	1.72	-	0.33651	-
1997	IPI00551538.1	Gm6421	1.72	-	0.33651	-
1998	IPI00785343.2	LOC100045490;H	1.72	-	0.33651	-
1999	IPI00886201.1	-	1.72	-	0.33651	-
2000	IPI00607069.1	Gm10257	1.72	1.51	0.33651	0.35843
2001	IPI00119876.1	Dync1h1	0.91	0.96	0.33652	0.62701
2002	IPI00831431.1	Tpm1	1.27	0.97	0.33654	0.85988
2003	IPI00830223.1	Tpm1	1.27	-	0.33654	-
2004	IPI00129685.2	Gm14456;Tpt1	1.31	1.09	0.33654	0.44201
2005	IPI00399498.2	Nav1	0.67	0.87	0.33727	0.90457
2006	IPI00128760.1	Ube2l3	0.91	0.89	0.33738	0.53529
2007	IPI00169699.4	Rab12	1.40	1.07	0.33741	0.76004
2008	IPI00130949.2	Adcy1	0.85	0.87	0.33792	0.76574
2009	IPI00650039.1	Pfn1	1.12	-	0.33792	-
2010	IPI00121079.3	Cyb5r3	0.91	-	0.33861	-
2011	IPI00759904.1	Cyb5r3	0.91	1.06	0.33861	0.7558
2012	IPI00885399.1	3110047P20Rik	0.87	0.79	0.33937	0.47487
2013	IPI00118384.1	Ywhae	0.89	0.93	0.33964	0.73565
2014	IPI00624863.1	Paics	0.63	0.86	0.34005	0.44852
2015	IPI00322096.7	Paics	0.63	-	0.34005	-
2016	IPI00120232.1	Ndufs7	1.26	1.09	0.34161	0.35616
2017	IPI00356667.5	Pcdh17	0.72	0.63	0.34165	0.66692
2018	IPI00135130.3	Slc1a4	0.90	0.89	0.34165	0.5772
2019	IPI00760000.1	Ywhab	1.07	0.93	0.34165	0.70307
2020	IPI00230682.6	Ywhab	1.07	-	0.34165	-
2021	IPI00855176.2	Pcdh9	1.70	0.67	0.34165	-
2022	IPI00113772.1	Gabra1	2.09	0.83	0.34172	0.54013
2023	IPI00844763.1	Cask	1.14	-	0.34173	-
2024	IPI00874660.1	Srgap3	0.74	-	0.34181	-
2025	IPI00874819.1	Srgap3	0.74	-	0.34181	-

2026	IPI00330039.3	Srgap3	0.74	-	0.34181	-
2027	IPI00408623.4	Srgap3	0.74	0.72	0.34181	0.33373
2028	IPI00221540.1	Erlin2	0.81	1.02	0.34248	0.91252
2029	IPI00281011.7	Marcks1	0.20	-	0.34274	-
2030	IPI00469539.1	Car10	1.53	-	0.34274	-
2031	IPI00411133.1	Car10	1.53	-	0.34274	-
2032	IPI00653841.1	Capza1	0.87	1.00	0.34279	0.97982
2033	IPI00230449.7	Hpcal1	1.68	0.87	0.34285	0.67004
2034	IPI00830653.1	Clcn3	0.85	-	0.34384	-
2035	IPI00830565.1	Clcn3	0.85	-	0.34384	-
2036	IPI00126619.1	Clcn3	0.85	-	0.34384	-
2037	IPI00170297.3	Clcn3	0.85	1.07	0.34384	0.61385
2038	IPI00281149.5	Clcn3	0.85	-	0.34384	-
2039	IPI00337980.5	Rab21	1.13	1.09	0.34384	0.50543
2040	IPI00128915.4	Cspg4	0.74	1.23	0.34520	-
2041	IPI00831223.1	Itsn1	0.86	0.90	0.34531	0.53529
2042	IPI00130353.5	Vars	0.88	1.01	0.34531	0.94277
2043	IPI00117375.1	Sdcbp	1.81	-	0.34876	-
2044	IPI00648280.2	Sdcbp	1.81	0.82	0.34876	0.47166
2045	IPI00224151.5	Ap1g1	1.16	-	0.34884	-
2046	IPI00621460.2	Ap1g1	1.16	1.17	0.34884	0.35616
2047	IPI00467152.4	Gnai1	1.13	0.79	0.35144	0.33373
2048	IPI00830960.1	Ptges3	0.81	-	0.35601	-
2049	IPI00127989.1	Ptges3;Gm9769;L	0.81	0.90	0.35601	0.85986
2050	IPI00153266.1	Sccpdh	0.92	0.96	0.35601	0.73963
2051	IPI00416906.2	Gnas	1.15	0.98	0.35601	0.96979
2052	IPI00798462.1	Gnas	1.15	-	0.35601	-
2053	IPI00119853.1	Gnas	1.15	-	0.35601	-
2054	IPI00315620.2	Syt3	1.43	0.74	0.35601	0.45615
2055	IPI00353563.4	Fscn1	0.86	0.95	0.35721	0.67208
2056	IPI00753025.1	Ctnnb1	1.10	0.79	0.35721	0.37683
2057	IPI00322828.1	Farsb	0.71	-	0.36314	-
2058	IPI00331443.3	Farsb	0.71	1.19	0.36314	0.51296
2059	IPI00130381.1	Bat3	1.39	1.02	0.36356	-
2060	IPI00277446.5	Bat3	1.39	0.85	0.36356	0.39385
2061	IPI00221741.1	Tipr1	0.66	1.02	0.36542	0.98154
2062	IPI00882287.1	Etfdh	1.54	-	0.36605	-
2063	IPI00830314.1	Sdr39u1	1.54	1.06	0.36621	0.62108
2064	IPI00226521.5	Sdr39u1	1.54	-	0.36621	-
2065	IPI00407939.1	Gria1	1.75	0.89	0.36621	0.37683
2066	IPI00881090.1	Hmox2	0.87	1.20	0.36731	-
2067	IPI00309322.3	Hmox2	0.87	1.15	0.36731	-
2068	IPI00121038.2	Vcan	1.47	-	0.36740	-
2069	IPI00875672.1	Vcan	1.47	-	0.36740	-
2070	IPI00469565.3	Vcan	1.47	1.01	0.36740	-
2071	IPI00880617.1	Sec22b	0.86	1.11	0.36749	0.54434
2072	IPI00114368.3	Sec22b	0.86	-	0.36749	-
2073	IPI00228617.6	Gnai2	1.13	-	0.36749	-
2074	IPI00120085.1	Tprgl	1.20	0.92	0.36749	0.85925
2075	IPI00117632.2	Wdr6	0.60	-	0.36852	-
2076	IPI00742334.1	Kpnb1	0.83	0.93	0.36896	0.59331
2077	IPI00461212.1	Osbpl8	1.54	-	0.36926	-

2078	IPI00323442.8	Slc4a8	1.41	-	0.37142	-
2079	IPI00170387.1	Cpne5	0.89	-	0.37272	-
2080	IPI00848924.1	LOC100048828	0.89	0.84	0.37272	0.79785
2081	IPI00133249.1	Surf4	0.77	1.01	0.37465	0.96496
2082	IPI00659608.4	Efha2	1.28	1.10	0.37465	0.5765
2083	IPI00554989.3	Ppia	0.92	0.91	0.37547	0.58965
2084	IPI00875081.1	Mtmr1	1.44	0.73	0.37617	0.53529
2085	IPI00131028.2	Mtmr1	1.44	-	0.37617	-
2086	IPI00224570.3	Prkar2b	0.91	0.83	0.37856	0.37683
2087	IPI00454049.4	Echs1	1.13	1.01	0.37922	0.94454
2088	IPI00118821.2	Pafah1b2	0.83	0.82	0.38068	0.37995
2089	IPI00137313.2	Plxna2	0.88	0.56	0.38071	0.70016
2090	IPI00113517.1	Ctsb	1.53	1.12	0.38304	0.47039
2091	IPI00230539.1	Grb2	1.10	-	0.38327	-
2092	IPI00323881.1	Kpnb1	0.81	-	0.38336	-
2093	IPI00798441.1	Odz4	1.33	-	0.38349	-
2094	IPI00157497.8	Odz4	1.33	-	0.38349	-
2095	IPI00798616.1	Odz4	1.33	-	0.38349	-
2096	IPI00754819.3	Odz4	1.33	0.97	0.38349	0.92872
2097	IPI00230193.7	Gnaz	1.22	1.00	0.38428	0.98798
2098	IPI00120715.1	LOC100044630;Tt	1.24	0.99	0.38504	-
2099	IPI00848992.1	LOC100047515	0.83	-	0.38630	-
2100	IPI00153813.4	Exoc1	0.83	0.75	0.38630	-
2101	IPI00670735.1	LOC677317	0.69	-	0.38633	-
2102	IPI00881197.1	Me1	0.69	0.95	0.38633	0.75245
2103	IPI00113895.1	Actr1a	0.93	0.91	0.38633	0.50316
2104	IPI00420554.2	Cntnap2	1.26	0.60	0.38633	0.50346
2105	IPI00315135.3	Tomm22	1.15	1.08	0.38882	0.6949
2106	IPI00351252.4	Gmps	1.51	1.09	0.39055	0.64484
2107	IPI00266899.6	Fkbp1a	1.92	0.93	0.39094	0.71743
2108	IPI00309997.3	Fhl1	1.31	-	0.39296	-
2109	IPI00776352.1	Fhl1	1.31	-	0.39296	-
2110	IPI00775790.1	Fhl1	1.31	-	0.39296	-
2111	IPI00848600.1	LOC100047480	0.74	1.31	0.39391	-
2112	IPI00454035.2	Fam125b	0.74	-	0.39391	-
2113	IPI00115627.4	Actr3	0.92	1.00	0.39391	1
2114	IPI00830581.1	Hsd17b10	1.28	1.01	0.39391	0.90457
2115	IPI00626132.3	Hsd17b10	1.28	-	0.39391	-
2116	IPI00110850.1	Actb	0.90	-	0.39411	-
2117	IPI00125267.4	Vapa	0.90	1.06	0.39476	0.54174
2118	IPI00224575.1	Hnrnpk	0.94	0.96	0.39476	0.61123
2119	IPI00223253.1	Hnrnpk	0.94	-	0.39476	-
2120	IPI00918799.1	Abi1	1.20	-	0.39688	-
2121	IPI00918951.1	Abi1	1.20	-	0.39688	-
2122	IPI00659927.2	Abi1	1.20	-	0.39688	-
2123	IPI00918813.1	Abi1	1.20	-	0.39688	-
2124	IPI00919052.1	Abi1	1.20	-	0.39688	-
2125	IPI00454179.3	Abi1	1.20	-	0.39688	-
2126	IPI00653749.3	Abi1	1.20	-	0.39688	-
2127	IPI00551347.4	Abi1	1.20	0.88	0.39688	0.64484
2128	IPI00798483.1	Abi1	1.20	-	0.39688	-
2129	IPI00918718.1	Abi1	1.20	-	0.39688	-

2130	IPI00317711.1	Hspa4l	1.48	0.91	0.39688	0.70416
2131	IPI00890007.1	Akap1	0.52	-	0.39726	-
2132	IPI00894854.1	Akap1	0.52	0.60	0.39726	-
2133	IPI00830335.1	Capns1	1.22	0.72	0.40126	-
2134	IPI00129276.2	Eif3a	0.78	1.15	0.40246	0.39089
2135	IPI00137336.1	Gpc1	1.09	0.86	0.40246	0.37683
2136	IPI00135971.1	Tjp1	1.30	0.69	0.40246	-
2137	IPI00944062.1	Tjp1	1.30	0.80	0.40246	-
2138	IPI00874522.1	Tjp1	1.30	0.95	0.40246	-
2139	IPI00882206.1	Ndrg4	0.83	-	0.40294	-
2140	IPI00221528.1	Actbl2	0.90	0.92	0.40410	-
2141	IPI00265471.2	Adsl	0.58	-	0.40505	-
2142	IPI00308217.1	Adsl	0.58	1.02	0.40505	0.98873
2143	IPI00857969.1	Dync1i1	0.80	-	0.40505	-
2144	IPI00226946.2	Dync1i1	0.80	0.84	0.40505	0.66898
2145	IPI00851092.2	Kalrn	0.68	-	0.40597	-
2146	IPI00848608.1	Kalrn	0.68	0.81	0.40597	-
2147	IPI00229599.2	Nav1	0.71	-	0.40597	-
2148	IPI00131287.2	Necab2	1.44	1.12	0.40657	0.76538
2149	IPI00336807.4	Gpd1l	1.08	1.00	0.40909	0.98187
2150	IPI00415908.4	Ppme1	1.25	1.14	0.40997	0.60542
2151	IPI00131845.1	Psma6	1.07	0.92	0.41057	0.73026
2152	IPI00127135.2	Kif2a	0.65	0.94	0.41086	-
2153	IPI00867847.1	Kif2a	0.65	-	0.41086	-
2154	IPI00881982.1	Kif2a	0.65	-	0.41086	-
2155	IPI00876029.1	Arf4	1.12	1.01	0.41086	0.89384
2156	IPI00331663.18	Arf4	1.12	-	0.41086	-
2157	IPI00228059.4	Pgm2l1	1.22	0.92	0.41146	0.73026
2158	IPI00857248.1	Dync1i1	0.75	-	0.41181	-
2159	IPI00753815.3	Spna2	1.15	0.82	0.41258	-
2160	IPI00466128.3	Akr1a4	0.89	0.97	0.41389	0.87413
2161	IPI00313558.4	Arcn1	2.27	-	0.41472	-
2162	IPI00849044.2	Arcn1	2.27	1.16	0.41472	0.49522
2163	IPI00648312.3	Nt5dc3	1.14	0.96	0.41485	0.86251
2164	IPI00403860.6	Nrxn1	0.88	-	0.41598	-
2165	IPI00230051.2	Nrxn1	0.88	0.93	0.41598	0.79565
2166	IPI00230050.2	Nrxn1	0.88	-	0.41598	-
2167	IPI00468539.3	Nrxn1	0.88	-	0.41598	-
2168	IPI00139795.2	Rplp2	0.88	1.24	0.41598	0.31297
2169	IPI00400432.2	Eif4a2	1.09	-	0.41598	-
2170	IPI00409918.1	Eif4a2	1.09	1.14	0.41598	0.38642
2171	IPI00857127.1	Eif4a2	1.12	-	0.41598	-
2172	IPI00281761.3	Prnt2	1.15	0.81	0.41598	0.48497
2173	IPI00226387.3	Pgam5	1.23	1.06	0.41598	-
2174	IPI00121338.1	Aplp2	1.57	-	0.41645	-
2175	IPI00266699.1	Aplp2	1.57	-	0.41645	-
2176	IPI00133421.3	Aplp2	1.57	0.99	0.41645	0.9364
2177	IPI00555023.2	Gstp1	0.86	0.83	0.42050	0.37683
2178	IPI00661338.1	Bckdhhb;LOC1000	1.18	1.04	0.42217	0.80758
2179	IPI00115977.1	Me2	1.25	1.04	0.42217	0.76773
2180	IPI00469338.4	Agpat3	1.35	1.10	0.42217	0.68311
2181	IPI00849959.1	Etl4	2.67	-	0.42217	-

2182	IPI00411164.4	Etl4	2.67	-	0.42217	-
2183	IPI00754456.3	Etl4	2.67	-	0.42217	-
2184	IPI00752398.1	Etl4	2.67	-	0.42217	-
2185	IPI00553590.2	Etl4	2.67	0.76	0.42217	0.51296
2186	IPI00756087.2	Etl4	2.67	-	0.42217	-
2187	IPI00754975.1	Etl4	2.67	-	0.42217	-
2188	IPI00113386.1	Ethe1	1.26	1.07	0.42220	0.76109
2189	IPI00462453.4	Gm5619	0.61	-	0.42278	-
2190	IPI00118880.5	Gucy1b3	0.85	-	0.42306	-
2191	IPI00653283.1	Gucy1b3	0.85	0.75	0.42306	0.35843
2192	IPI00395038.3	Xpo1	1.21	1.08	0.42306	0.54013
2193	IPI00845556.1	Mia3	0.73	1.21	0.42414	-
2194	IPI00230020.3	Itpr1	1.50	-	0.42494	-
2195	IPI00223759.2	Vps26b	1.18	1.12	0.42658	0.49522
2196	IPI00750061.1	Gsk3b	0.88	0.88	0.43013	0.5342
2197	IPI00471176.2	Hepacam	1.50	0.87	0.43129	0.57271
2198	IPI00380130.2	Rps2	0.75	-	0.43164	-
2199	IPI00606379.2	Gm5786	0.75	-	0.43164	-
2200	IPI00604967.3	Gm16408	0.75	-	0.43164	-
2201	IPI00387557.3	Actn2	1.43	0.93	0.43252	0.60679
2202	IPI00395178.1	Abr	1.20	-	0.43569	-
2203	IPI00395177.1	Abr	1.20	0.90	0.43569	0.63364
2204	IPI00381365.1	Abr	1.20	-	0.43569	-
2205	IPI00515365.4	Abr	1.20	-	0.43569	-
2206	IPI00515151.2	Nipsnap1	1.28	1.01	0.43569	0.94277
2207	IPI00321922.2	Pacs1	1.26	0.99	0.43890	0.97788
2208	IPI00776240.1	Trim2	0.74	1.02	0.43927	0.87475
2209	IPI00776324.1	Trim2	0.74	-	0.43927	-
2210	IPI00113430.1	Trim2	0.74	-	0.43927	-
2211	IPI00310240.4	Anxa6	1.45	-	0.43956	-
2212	IPI00466672.3	Cacna1b	1.25	0.86	0.44111	0.68323
2213	IPI00750241.1	Cacna1b	1.25	-	0.44111	-
2214	IPI00115062.3	Cacna1b	1.25	-	0.44111	-
2215	IPI00625414.2	Cacna1b	1.25	-	0.44111	-
2216	IPI00122971.2	Ncam1	0.86	0.84	0.44408	0.42216
2217	IPI00678003.1	Itpa	1.23	0.94	0.44635	0.77205
2218	IPI00116228.1	Ppif	2.90	0.82	0.44660	0.66498
2219	IPI00229534.5	Marcks	0.70	1.17	0.44729	0.49522
2220	IPI00625061.2	Mark3	0.80	-	0.44855	-
2221	IPI00312620.7	Mark3	0.80	0.88	0.44855	0.54845
2222	IPI00279494.6	Mark3	0.80	-	0.44855	-
2223	IPI00955735.1	Exog	1.16	-	0.45009	-
2224	IPI00875177.1	Gm8225	0.68	-	0.45170	-
2225	IPI00667471.1	Ppp2r2a	1.27	0.78	0.45170	0.48497
2226	IPI00228358.1	Gabrg2	0.67	1.08	0.45204	0.91346
2227	IPI00874658.1	Gabrg2	0.67	1.24	0.45204	-
2228	IPI00132194.3	Aimp1	1.19	0.94	0.45432	0.75685
2229	IPI00720066.1	Saps3	0.85	-	0.45446	-
2230	IPI00124286.2	Ap3m2	1.22	0.98	0.45469	0.94699
2231	IPI00118193.1	Mrps18b	1.06	-	0.45537	-
2232	IPI00131459.1	Nme1;LOC100046	0.91	0.99	0.45692	0.96735
2233	IPI00125513.1	Timm9	1.35	1.32	0.45716	0.39831

2234	IPI00111320.7	Snx27	0.72	-	0.45896	-
2235	IPI00756736.2	Snx27	0.72	1.17	0.45896	0.6493
2236	IPI00667117.2	Dbi	0.92	0.85	0.45896	0.5499
2237	IPI00831604.1	Dbi	0.92	-	0.45896	-
2238	IPI00222430.5	Dbi	0.92	-	0.45896	-
2239	contaminant_GR78_HUMAN		0.92	-	0.45896	-
2240	IPI00263638.8	Ncald	1.19	0.98	0.45973	-
2241	IPI00121319.1	Crip2	0.76	1.07	0.46049	0.79785
2242	IPI00230018.1	Itpr1	1.38	0.86	0.46187	-
2243	IPI00130158.3	Ipo9	0.68	-	0.46291	-
2244	IPI00673797.2	Ipo9	0.68	0.91	0.46291	0.73026
2245	IPI00133270.1	Clpp	1.08	1.11	0.46422	0.57476
2246	IPI00676293.3	Srgap2	0.74	1.15	0.46502	0.71318
2247	IPI00752849.2	Sec31a	0.84	-	0.46552	-
2248	IPI00380338.1	Igsf21	1.33	0.76	0.46790	0.37683
2249	IPI00857723.1	Cttnbp2	1.58	-	0.46790	-
2250	IPI00408957.3	Sugt1	1.18	1.10	0.46861	0.5524
2251	IPI00453615.3	Huwe1	1.14	0.72	0.46900	-
2252	IPI00653007.1	Actc1	0.89	0.98	0.47090	0.86133
2253	IPI00224505.7	Gm15710;Rpl13;c	0.43	1.18	0.47511	-
2254	IPI00890196.1	-	0.43	-	0.47511	-
2255	IPI00653474.1	Rpl13	0.43	1.26	0.47511	0.53529
2256	IPI00113073.3	Aldh1b1	1.16	1.09	0.47732	0.70478
2257	IPI00869375.1	Gas7	0.82	-	0.47742	-
2258	IPI00869450.1	Gas7	0.82	0.82	0.47742	0.35843
2259	IPI00336844.1	Epn2	1.47	-	0.47841	-
2260	IPI00400174.1	Epn2	1.47	1.05	0.47841	-
2261	IPI00395193.1	Rtn1	0.87	0.98	0.48012	0.83858
2262	IPI00116563.2	Rab5b	1.04	-	0.48012	-
2263	IPI00133167.1	Magmas;Gm9803	1.31	0.90	0.48034	0.72371
2264	IPI00115094.1	Bckdk	1.39	0.93	0.48315	-
2265	IPI00136246.1	Pitpnm1	1.42	1.01	0.48363	0.99153
2266	IPI00380998.3	Gm16416	0.62	-	0.48374	-
2267	IPI00757792.1	-	0.62	-	0.48374	-
2268	IPI00890245.1	-	0.62	-	0.48374	-
2269	IPI00460090.5	Gm6919	0.62	-	0.48374	-
2270	IPI00751831.1	Gm7555	0.62	-	0.48374	-
2271	IPI00407707.2	-	0.62	-	0.48374	-
2272	IPI00331444.7	Ipo7	0.90	0.91	0.48374	0.38642
2273	IPI00655218.1	Pip5k1c	1.17	0.93	0.48374	0.91716
2274	IPI00112986.1	Bcs1l	1.20	0.95	0.48420	0.83082
2275	IPI00776053.1	Dync1i2	0.80	-	0.48562	-
2276	IPI00653072.1	Dync1i2	0.80	-	0.48562	-
2277	IPI00776018.1	Dync1i2	0.80	0.95	0.48562	0.95427
2278	IPI00856469.1	Spnb4;Shkbp1	1.19	0.88	0.48562	0.39453
2279	IPI00265864.3	Tollip	1.63	0.90	0.48614	0.77811
2280	IPI00136618.1	Tollip	1.63	-	0.48614	-
2281	IPI00131376.5	Spnb1	1.23	1.09	0.48657	0.67961
2282	IPI00123802.5	Hsph1	0.87	-	0.48833	-
2283	IPI00126759.6	Lrrc8a	1.08	1.04	0.48930	0.94077
2284	IPI00113262.1	Psmc14	1.11	1.11	0.49195	0.73729
2285	IPI00828513.1	Psmc4	0.86	1.21	0.49311	0.33373

2286	IPI00405459.2	Ngef	1.24	0.93	0.49332	0.74096
2287	IPI00229725.2	Ngef	1.24	-	0.49332	-
2288	IPI00648918.3	Myo18a	1.12	-	0.49661	-
2289	IPI00649326.2	Myo18a	1.12	-	0.49661	-
2290	IPI00622556.4	Myo18a	1.12	0.99	0.49661	0.95528
2291	IPI00619995.4	Myo18a	1.12	0.78	0.49661	-
2292	IPI00331146.5	Cmpk1	1.19	0.95	0.49661	0.79606
2293	IPI00849947.1	LOC100047588	0.75	-	0.49680	-
2294	IPI00626620.2	Sec24c	1.41	1.00	0.49680	0.99013
2295	IPI00229483.4	Sec24c	1.41	-	0.49680	-
2296	IPI00112446.1	Scg3	0.85	-	0.49726	-
2297	IPI00944768.1	Scg3	0.85	1.13	0.49726	0.76773
2298	IPI00108454.2	-	0.86	-	0.49807	-
2299	IPI00474622.1	Gm16409	0.86	-	0.49807	-
2300	IPI00113655.1	Rps6;Gm13654	0.86	1.25	0.49807	0.37683
2301	IPI00671512.3	Gm16406	0.86	-	0.49807	-
2302	IPI00651798.1	Acsl3	0.88	1.01	0.49807	0.90942
2303	IPI00169772.2	Acsl3	0.88	-	0.49807	-
2304	IPI00153468.1	Tmed4	0.85	-	0.49876	-
2305	IPI00226430.2	Acaa2	1.10	-	0.49876	-
2306	IPI00653158.1	Acaa2	1.10	0.95	0.49876	0.8719
2307	IPI00955167.1	Mars	1.16	1.05	0.49876	0.73026
2308	IPI00461469.3	Mars	1.16	-	0.49876	-
2309	IPI00875864.1	Rcn2	1.20	1.05	0.49876	0.73026
2310	IPI00474959.2	Rcn2	1.20	-	0.49876	-
2311	IPI00129107.1	Gipc1	1.50	1.23	0.49917	0.76773
2312	IPI00762636.2	Acsf3	1.21	1.00	0.50227	0.9797
2313	IPI00125899.1	Ctnnb1	1.07	-	0.50258	-
2314	IPI00409255.2	D030016E14Rik	1.35	0.91	0.50465	-
2315	IPI00922963.1	Map4k4	0.37	-	0.50539	-
2316	IPI00308077.6	Enpp6	1.18	1.02	0.50663	0.8841
2317	IPI00886258.1	Enpp6	1.18	-	0.50663	-
2318	IPI00314439.3	Psm3	1.18	-	0.50680	-
2319	IPI00652694.1	Psm3	1.18	0.85	0.50680	0.53529
2320	IPI00131954.1	D17Wsu104e	0.85	0.95	0.50692	0.82911
2321	IPI00848482.1	Fry	0.68	0.94	0.50869	0.82671
2322	IPI00134961.1	Acadm	1.21	0.98	0.50869	0.93627
2323	IPI00136984.1	Rps7	0.84	1.13	0.50912	0.53529
2324	IPI00127987.1	Arpc1a	1.10	1.00	0.51077	0.98022
2325	IPI00131870.3	Cops3	1.11	0.70	0.51267	-
2326	IPI00126072.2	Vat1	0.67	1.01	0.51316	0.95795
2327	IPI00471372.2	Wasf1	1.14	0.89	0.51534	0.38074
2328	IPI00222632.3	Rab31	0.91	0.90	0.52010	0.80738
2329	IPI00308938.6	Capn2	0.79	0.93	0.52396	0.78265
2330	IPI00880411.1	Tfg	1.18	0.95	0.52675	-
2331	IPI00126048.2	Psm3	1.09	1.05	0.52886	0.85039
2332	IPI00844784.1	Psm3	1.09	-	0.52886	-
2333	IPI00230690.1	Dst	1.22	0.86	0.53193	-
2334	IPI00762553.2	Dst	1.22	-	0.53193	-
2335	IPI00874675.1	Dst	1.22	-	0.53193	-
2336	IPI00230689.3	Dst	1.22	-	0.53193	-
2337	IPI00284272.1	Dst	1.22	-	0.53193	-

2338	IPI00874946.1	Dst	1.22	1.00	0.53193	-
2339	IPI00230692.1	Dst	1.22	-	0.53193	-
2340	IPI00125319.1	Gsk3b	0.89	-	0.53418	-
2341	IPI00853967.1	Pthr2	0.88	1.22	0.53465	0.43985
2342	IPI00153702.2	Pthr2	0.88	-	0.53465	-
2343	IPI00754524.1	LOC100047530	1.12	0.89	0.53726	-
2344	IPI00828654.2	Wnk2	0.63	-	0.53938	-
2345	IPI00828980.1	Wnk2	0.63	-	0.53938	-
2346	IPI00828549.1	Wnk2	0.63	-	0.53938	-
2347	IPI00653345.2	Wnk2	0.63	-	0.53938	-
2348	IPI00355244.8	Wnk2	0.63	-	0.53938	-
2349	IPI00408595.4	Wnk2	0.63	0.61	0.53938	-
2350	IPI00828738.1	Wnk2	0.63	-	0.53938	-
2351	IPI00623951.3	Hist2h2ab;Hist2h.	1.22	0.96	0.53938	0.87469
2352	IPI00469012.3	Tbc1d10b	0.84	0.97	0.53983	0.89442
2353	IPI00118569.1	Gna13	0.40	0.97	0.54102	0.77607
2354	IPI00652888.1	Itpa	1.34	-	0.54102	-
2355	IPI00314829.5	Nln	0.81	-	0.54214	-
2356	IPI00127707.1	Pcbp2	0.84	-	0.54435	-
2357	IPI00221799.1	Pcbp2	0.84	1.08	0.54435	-
2358	IPI00162780.3	Gnb2	1.11	-	0.54552	-
2359	IPI00128947.1	Pitpnm2	1.20	-	0.54812	-
2360	IPI00754562.1	Pitpnm2	1.20	1.07	0.54812	0.73241
2361	IPI00927967.1	Pitpnm2	1.20	-	0.54812	-
2362	IPI00230589.1	Akap1	0.55	-	0.54912	-
2363	IPI00230593.1	Akap1	0.55	-	0.54912	-
2364	IPI00115506.1	Akap1	0.55	-	0.54912	-
2365	IPI00230592.1	Akap1	0.55	-	0.54912	-
2366	IPI00230591.1	Akap1	0.55	-	0.54912	-
2367	IPI00230590.1	Akap1	0.55	-	0.54912	-
2368	IPI00463573.3	Eif3l	0.76	0.64	0.54912	0.71595
2369	IPI00404055.5	Ank2	0.89	0.91	0.54912	-
2370	IPI00177038.1	Actr2	1.12	0.98	0.54912	0.7214
2371	IPI00120193.1	Cdc42	1.12	0.95	0.55084	0.59365
2372	IPI00125497.3	Ptgfrn	0.39	-	0.55249	-
2373	IPI00515319.2	Ptgfrn	0.39	-	0.55249	-
2374	IPI00830990.2	Pak3	0.81	-	0.55256	-
2375	IPI00262114.1	Pak3	0.81	-	0.55256	-
2376	IPI00411094.1	Pak3	0.81	0.84	0.55256	-
2377	IPI00875924.1	Dnpep	0.76	1.06	0.55638	0.74093
2378	IPI00331394.3	Dnpep	0.76	-	0.55638	-
2379	IPI00853924.1	Ywhaq	0.94	-	0.55638	-
2380	IPI00162932.1	Abcb9	1.24	1.29	0.55638	0.38012
2381	IPI00319652.2	Gpx1	0.89	0.92	0.55717	0.76381
2382	IPI00119667.1	Eef1a2	1.13	1.07	0.55717	0.48364
2383	IPI00273801.3	Slc39a10	1.32	0.84	0.55717	-
2384	IPI00830206.1	Slc39a10	1.32	-	0.55717	-
2385	IPI00556688.1	Dctn4	1.09	0.82	0.55781	0.45615
2386	IPI00113214.1	Usp5	1.08	1.02	0.56125	-
2387	IPI00881918.1	Usp5	1.08	1.04	0.56125	0.97078
2388	IPI00137227.1	Rab2a	1.09	1.06	0.56125	0.75733
2389	IPI00469236.2	Lpgat1	1.11	-	0.56125	-

2390	IPI00654342.2	Lpgat1	1.11	1.01	0.56125	0.96857
2391	IPI00118380.2	Grin2a	1.73	0.67	0.56125	0.39155
2392	IPI00313151.3	Dpysl4	1.12	-	0.56181	-
2393	IPI00895996.1	Dpysl4	1.12	-	0.56181	-
2394	IPI00845581.1	Dpysl4	1.12	1.14	0.56181	0.41875
2395	IPI00229845.3	Prmt5	1.25	0.49	0.56181	-
2396	IPI00775797.1	Trim3	0.86	0.88	0.56237	0.75691
2397	IPI00129020.1	Trim3	0.86	-	0.56237	-
2398	IPI00227235.4	Ank2	0.92	0.82	0.56584	0.39385
2399	IPI00127358.1	Sh3bgrl3	0.92	0.91	0.56584	0.74518
2400	IPI00110918.1	Mrps22	1.16	1.17	0.56602	0.57679
2401	IPI00111754.6	Mark2	1.30	-	0.56602	-
2402	IPI00828227.2	Mark2	1.30	-	0.56602	-
2403	IPI00762727.2	Mark2	1.30	-	0.56602	-
2404	IPI00554871.3	Mark2	1.30	-	0.56602	-
2405	IPI00828737.1	Mark2	1.30	-	0.56602	-
2406	IPI00554855.2	Mark2	1.30	0.95	0.56602	0.88967
2407	IPI00378020.2	Magi2	1.30	-	0.56602	-
2408	IPI00849279.2	Magi2	1.30	-	0.56602	-
2409	IPI00719895.1	Magi2	1.30	0.63	0.56602	0.37683
2410	IPI00116770.1	Rab18	0.87	0.93	0.56903	0.79634
2411	IPI00653745.1	Tmco1	0.82	1.13	0.57320	0.63321
2412	IPI00121974.1	Tmco1	0.82	-	0.57320	-
2413	IPI00129360.4	Itsn2	1.44	-	0.57381	-
2414	IPI00762547.2	Itsn2	1.44	1.03	0.57381	0.94077
2415	IPI00554929.2	Hsp90ab1	0.95	0.97	0.57405	0.9364
2416	IPI00118230.1	Mrpl16	1.12	1.02	0.57405	0.97749
2417	IPI00420745.7	Psm2	1.12	-	0.57405	-
2418	IPI00890001.1	Psm2	1.12	1.06	0.57405	0.77747
2419	IPI00124819.1	Coro1b	1.40	1.02	0.57405	0.869
2420	IPI00129959.2	Exoc4	0.86	0.75	0.57581	0.47039
2421	IPI00230751.3	Ctnna2	1.04	-	0.57581	-
2422	IPI00330804.4	Hsp90aa1	1.06	0.91	0.57582	0.57476
2423	IPI00123349.2	Sec23a	0.89	1.05	0.57861	0.76538
2424	IPI00857239.1	Atp6v0c	1.17	0.87	0.58007	0.38831
2425	IPI00138378.4	Atp6v0c;Atp6v0c-	1.17	-	0.58007	-
2426	IPI00380950.7	Begain	1.38	0.51	0.58057	-
2427	IPI00133490.1	LOC100044742;Pi	0.92	0.92	0.58149	0.55634
2428	IPI00471022.3	Plxnd1	1.17	0.93	0.58469	0.83596
2429	IPI00122015.1	Fam49b	1.12	1.04	0.58571	0.82245
2430	IPI00788353.1	Pitrm1	1.15	-	0.58571	-
2431	IPI00788337.1	Pitrm1	1.15	1.19	0.58571	0.62095
2432	IPI00170126.4	Pitrm1	1.15	-	0.58571	-
2433	IPI00356904.7	Farp1	0.75	-	0.58621	-
2434	IPI00757373.3	LOC100045542	0.75	0.71	0.58621	0.37683
2435	IPI00230264.5	H2afx	1.15	1.24	0.58621	0.47039
2436	IPI00136806.4	Lmbrd2	1.07	-	0.58764	-
2437	IPI00857521.1	Lmbrd2	1.07	-	0.58764	-
2438	IPI00345312.5	Slc39a12	1.56	-	0.58764	-
2439	IPI00750694.2	Slc39a12	1.56	0.74	0.58764	-
2440	IPI00331664.3	Actn2	1.30	-	0.58797	-
2441	IPI00122565.1	Gdi2	0.95	0.94	0.58808	0.6116

2442	IPI00108998.1	Slc25a27	1.27	1.23	0.58808	-
2443	IPI00461333.1	Slc25a27	1.27	1.22	0.58808	-
2444	IPI00944009.1	Eef1d	1.10	1.13	0.59032	0.3937
2445	IPI00132444.1	Nipsnap3b	0.77	0.90	0.59081	0.73565
2446	IPI00648141.1	Gsk3a	1.20	-	0.59102	-
2447	IPI00830754.1	Gsk3a	1.20	0.74	0.59102	0.45615
2448	IPI00124282.1	Rala	1.05	1.13	0.59103	0.5546
2449	IPI00652436.3	Actg1	0.92	0.92	0.59160	-
2450	IPI00874482.1	Actg1	0.92	0.96	0.59160	0.35843
2451	IPI00323122.1	Add2	0.94	1.02	0.59273	0.96295
2452	IPI00113052.1	Tsfm	1.11	1.00	0.59420	0.99153
2453	IPI00137087.5	Arfgef2	1.43	1.00	0.59497	0.98247
2454	IPI00118795.1	Csnk2a2	0.89	-	0.59623	-
2455	IPI00274750.5	Csnk2a2	0.89	1.03	0.59623	-
2456	IPI00753421.1	LOC100046483	0.89	-	0.59623	-
2457	IPI00404079.2	Reep1	0.53	0.93	0.59986	0.76888
2458	IPI00123059.1	Scg5	1.12	0.86	0.60019	0.6116
2459	IPI00606944.2	Gm4970	0.75	-	0.60105	-
2460	IPI00480307.1	Cops2	0.74	0.90	0.60505	0.86253
2461	IPI00756831.1	Cops2	0.74	-	0.60505	-
2462	IPI00114389.4	App	0.89	-	0.60505	-
2463	IPI00230494.5	App	0.89	1.07	0.60505	0.89673
2464	IPI00323079.1	App	0.89	1.15	0.60505	-
2465	IPI00119970.4	Cntn2	0.91	0.85	0.60505	0.67208
2466	IPI00625248.3	Impa1	1.16	0.97	0.60505	0.87413
2467	IPI00849598.1	Gm3405	1.35	1.10	0.60505	-
2468	IPI00474637.4	Rpl10;LOC10004E	1.35	1.23	0.60505	-
2469	IPI00775915.1	Rpl10	1.35	1.14	0.60505	0.57854
2470	IPI00915054.1	Rpl10	1.35	-	0.60505	-
2471	IPI00857484.1	1110007L15Rik	1.58	-	0.60505	-
2472	IPI00272521.3	1110007L15Rik	1.58	-	0.60505	-
2473	IPI00856756.1	1110007L15Rik	1.58	-	0.60505	-
2474	IPI00742325.1	1110007L15Rik	1.58	-	0.60505	-
2475	IPI00856197.1	Ap1p2	1.48	-	0.60548	-
2476	IPI00420172.1	Agfg1	1.21	-	0.60833	-
2477	IPI00230359.1	Agfg1	1.21	-	0.60833	-
2478	IPI00420171.1	Agfg1	1.21	1.06	0.60833	0.60491
2479	IPI00229333.1	Ntrk2	1.17	0.94	0.61211	0.87629
2480	IPI00318614.9	Idh2	0.63	-	0.61218	-
2481	IPI00875110.1	Idh2	0.63	1.00	0.61218	0.99343
2482	IPI00380331.1	Ppp2r5d	1.35	0.93	0.61267	0.73026
2483	IPI00857685.1	Clip1	0.74	-	0.61449	-
2484	IPI00123063.5	Clip1	0.74	-	0.61449	-
2485	IPI00761270.1	Clip1	0.74	1.10	0.61449	-
2486	IPI00404318.1	Clip1	0.74	-	0.61449	-
2487	IPI00856800.1	Clip1	0.74	1.12	0.61449	-
2488	IPI00857273.1	Clip1	0.74	-	0.61449	-
2489	IPI00648438.1	Tanc2	0.77	1.00	0.61449	-
2490	IPI00551112.7	Tanc2	0.77	-	0.61449	-
2491	IPI00753652.1	Arpc3	1.06	-	0.61449	-
2492	IPI00751862.1	Arpc3	1.06	-	0.61449	-
2493	IPI00648787.1	Cacnb1	1.14	-	0.61449	-

2494	IPI00421278.1	Cacnb1	1.14	-	0.61449	-
2495	IPI00421277.1	Cacnb1	1.14	0.69	0.61449	-
2496	IPI00421276.1	Cacnb1	1.14	1.10	0.61449	0.83215
2497	IPI00828389.1	Cacnb1	1.14	-	0.61449	-
2498	IPI00321850.3	Cacnb1	1.14	-	0.61449	-
2499	IPI00135969.2	Adss	0.84	0.76	0.61507	0.63059
2500	IPI00121151.1	Ubxn6	1.09	-	0.61507	-
2501	IPI00323058.1	Ubxn6	1.09	0.87	0.61507	-
2502	IPI00857784.1	Cops4	1.19	1.02	0.61507	-
2503	IPI00131871.1	Cops4	1.19	0.81	0.61507	0.62701
2504	IPI00117910.3	Prdx2	0.94	1.00	0.61702	1
2505	IPI00323809.3	Palm	0.91	0.81	0.61956	0.48931
2506	IPI00119870.2	Ctnna2	1.03	-	0.61956	-
2507	IPI00322097.6	Fyn	0.61	-	0.61971	-
2508	IPI00927961.1	Fyn	0.61	-	0.61971	-
2509	IPI00331092.7	Rps4x	0.84	1.18	0.62081	0.37683
2510	IPI00467841.6	Calm1;Calm3;Calm	1.06	-	0.62285	-
2511	IPI00922953.1		0.95	-	0.62399	-
2512	IPI00109122.1	Psmas8	0.95	-	0.62399	-
2513	IPI00830432.1	Mapre3	0.74	0.93	0.62414	0.79785
2514	IPI00755120.2	Rrbp1	0.86	1.00	0.62791	0.99434
2515	IPI00121149.1	Rrbp1	0.86	-	0.62791	-
2516	IPI00221581.1	Eif4b	1.34	1.25	0.62791	0.38642
2517	IPI00109221.3	Sacm1l	1.10	0.88	0.62842	0.54381
2518	IPI00798468.1	Usp9x	0.86	0.94	0.62856	0.76109
2519	IPI00331549.1	Dhrs1	1.08	1.09	0.62929	0.49522
2520	IPI00118235.1	Mrpl3	0.81	-	0.63015	-
2521	IPI00857677.1	Mrpl3	0.81	-	0.63015	-
2522	IPI00875325.1	Aco1	0.75	0.99	0.63134	0.96032
2523	IPI00622780.1	Aco1	0.75	-	0.63134	-
2524	IPI00875833.2	Mthfd1l	0.49	1.03	0.63283	0.88143
2525	IPI00228113.5	Mthfd1l	0.49	-	0.63283	-
2526	IPI00336318.1	Pip4k2b	0.87	0.85	0.63283	0.47039
2527	IPI00309413.5	Nck2;LOC100044	0.89	0.95	0.63430	-
2528	IPI00122862.4	Mthfd1	1.13	-	0.63780	-
2529	IPI00953783.2	Mthfd1	1.13	1.03	0.63780	0.86896
2530	IPI00136936.1	Vps29	1.14	-	0.63873	-
2531	IPI00881968.1	Vps29	1.14	-	0.63873	-
2532	IPI00881215.1	Vps29	1.14	-	0.63873	-
2533	IPI00881629.1	Vps29	1.14	0.92	0.63873	-
2534	IPI00230513.1	Vps29	1.14	1.01	0.63873	0.98187
2535	IPI00308484.3	Sparcl1	1.47	1.12	0.63888	0.39388
2536	IPI00154054.1	Acat1	1.06	1.08	0.63907	0.49522
2537	IPI00608097.1	Npepps	0.91	0.90	0.64052	0.49522
2538	IPI00130000.1	Npepps	0.91	-	0.64052	-
2539	IPI00469317.4	Sars	0.94	0.90	0.64182	0.71877
2540	IPI00225307.1	Sars	0.94	-	0.64182	-
2541	IPI00221998.4	2310001A20Rik	1.15	1.05	0.64266	0.80046
2542	IPI00310091.8	Ppp2r1a	1.04	0.93	0.64305	0.5754
2543	IPI00120546.1	Praf2	0.95	2.13	0.64457	0.38012
2544	IPI00468516.3	D6Wsu116e	1.16	-	0.64551	-
2545	IPI00355382.2	Wars	1.04	0.97	0.64556	0.81665

2546	IPI00113738.2	Wars	1.04	-	0.64556	-
2547	IPI00230615.8	Nif3l1	1.29	-	0.64556	-
2548	IPI00875732.1	Nif3l1	1.29	1.01	0.64556	0.96994
2549	IPI00405347.1	Nif3l1	1.29	0.93	0.64556	-
2550	IPI00670546.3	Ube2v2	0.86	-	0.64744	-
2551	IPI00919055.1	Tmem189;Ube2v	0.76	-	0.64827	-
2552	IPI00461857.2	Tbcd	0.84	-	0.64827	-
2553	IPI00463589.2	Atp2b4	1.25	0.80	0.64827	0.37995
2554	IPI00626537.2	Tm9sf4	4.36	-	0.64827	-
2555	IPI00875190.2	Tm9sf4	4.36	0.27	0.64827	0.64844
2556	IPI00930878.1	Psmc3	1.17	-	0.65216	-
2557	IPI00405114.2	Psmc3	1.17	1.17	0.65216	0.74437
2558	IPI00129350.1	Aldh18a1	1.17	-	0.65311	-
2559	IPI00221398.1	Aldh18a1	1.17	0.98	0.65311	0.91346
2560	IPI00944043.1	Aldh18a1	1.17	-	0.65311	-
2561	IPI00848753.1	LOC100047943	1.28	-	0.65311	-
2562	IPI00471470.1	Slc18a2	0.91	0.67	0.65319	-
2563	IPI00224463.1	Slc18a2	0.91	1.37	0.65319	-
2564	IPI00460720.3	Map4k4	0.39	0.97	0.65385	-
2565	IPI00881478.1	Ncald	1.12	0.76	0.65385	0.47686
2566	IPI00881068.1	Ncald	1.12	-	0.65385	-
2567	IPI00136483.1	Psmb7	1.26	0.66	0.65385	0.5772
2568	IPI00761696.2	Calm1;Calm3;Calr	1.05	0.92	0.65442	0.61297
2569	IPI00408059.4	Ppp2r5c	2.01	0.95	0.65530	-
2570	IPI00955742.1	Strn3	1.17	0.92	0.65711	0.82543
2571	IPI00229990.7	Strn3	1.17	-	0.65711	-
2572	IPI00223593.1	Mbp	1.08	1.00	0.66066	0.98022
2573	IPI00317902.3	Psmb5	1.14	-	0.66128	-
2574	IPI00470004.3	Endod1	1.09	0.93	0.66225	0.86207
2575	IPI00116112.3	Dctn2	1.05	0.98	0.66248	0.9348
2576	IPI00314467.3	Psmb3	0.77	1.03	0.66253	0.89697
2577	IPI00831081.1	Ablim1	0.81	-	0.66298	-
2578	IPI00755288.2	Ablim1	0.81	-	0.66298	-
2579	IPI00831353.1	Ablim1	0.81	-	0.66298	-
2580	IPI00463138.1	Ablim1	0.81	0.65	0.66298	-
2581	IPI00831178.1	Ablim1	0.81	-	0.66298	-
2582	IPI00467530.3	Ablim1	0.81	-	0.66298	-
2583	IPI00356147.4	Ablim1	0.81	1.38	0.66298	0.84304
2584	IPI00474073.1	Mapre2	0.87	0.93	0.66298	0.81665
2585	IPI00882056.2	Mapre2	0.87	-	0.66298	-
2586	IPI00403682.2	Mapre2	0.87	-	0.66298	-
2587	IPI00856504.1	Pdxdc1	1.39	-	0.66298	-
2588	IPI00856623.1	Pdxdc1	1.39	-	0.66298	-
2589	IPI00858296.1	Pdxdc1	1.39	-	0.66298	-
2590	IPI00742405.1	Pdxdc1	1.39	0.59	0.66298	0.43985
2591	IPI00857581.1	Pdxdc1	1.39	-	0.66298	-
2592	IPI00336503.1	Pdxdc1	1.39	-	0.66298	-
2593	IPI00885811.1	Arl8a	0.84	1.07	0.66299	0.69091
2594	IPI00124610.1	Arl8a	0.84	-	0.66299	-
2595	IPI00554992.2	Kif1a	1.16	-	0.66590	-
2596	IPI00132966.3	Ppid	1.19	0.99	0.66590	0.99343
2597	IPI00882293.1	Mboat7	0.90	1.08	0.66751	-

2598	IPI00319646.3	Mboat7	0.90	0.95	0.66751	0.85426
2599	IPI00880948.1	Acadsb	1.11	0.96	0.66855	0.50124
2600	IPI00119842.1	Acadsb	1.11	-	0.66855	-
2601	IPI00133206.1	Psmc3	1.23	-	0.66922	-
2602	IPI00222457.2	Dars	1.08	1.02	0.66941	0.81108
2603	IPI00122743.1	Dars	1.08	-	0.66941	-
2604	IPI00271388.1	Osbp110	1.11	-	0.67140	-
2605	IPI00458976.1	Rab5b	1.03	-	0.67507	-
2606	IPI00153103.3	Aimp2	1.14	-	0.67507	-
2607	IPI00858183.1	Aimp2	1.14	1.20	0.67507	0.37683
2608	IPI00122215.1	Tor1aip1	1.36	-	0.67507	-
2609	IPI00830554.2	Tor1aip1	1.36	-	0.67507	-
2610	IPI00762273.1	Tor1aip1	1.36	1.05	0.67507	0.8841
2611	IPI00929798.1	Cacnb1	0.85	-	0.67613	-
2612	IPI00118120.1	Myo5a	1.04	-	0.67613	-
2613	IPI00222538.2	Mrps35	1.09	-	0.67625	-
2614	IPI00894878.1	Mrps35	1.09	1.22	0.67625	0.73026
2615	IPI00109389.1	2400003C14Rik	1.11	1.15	0.68178	0.9111
2616	IPI00153317.3	Aldh11l	0.92	0.80	0.68691	0.39388
2617	IPI00127501.1	Grcc10	0.93	0.91	0.68766	0.6116
2618	IPI00387216.1	Cul2	1.19	0.78	0.68845	0.65209
2619	IPI00126834.1	Vcam1	1.33	-	0.69204	-
2620	IPI00653571.2	Vcam1	1.33	-	0.69204	-
2621	IPI00753990.1	Nudt3;LOC10004	1.25	1.00	0.69360	0.99739
2622	IPI00128904.1	Pcbp1	0.89	1.09	0.69422	0.47039
2623	IPI00402913.1	Ube2v2	0.84	-	0.69463	-
2624	IPI00464127.1	Ube2v1;Tmem18	0.84	-	0.69463	-
2625	IPI00672748.4	-	0.84	-	0.69463	-
2626	IPI00226882.7	Sec61a1	0.86	1.03	0.69545	0.85412
2627	IPI00474285.1	Scrib	0.87	-	0.69546	-
2628	IPI00454104.1	Scrib	0.87	0.98	0.69546	-
2629	IPI00129388.1	Scrib	0.87	-	0.69546	-
2630	IPI00454106.1	Scrib	0.87	-	0.69546	-
2631	IPI00224775.2	Ppfa2	0.94	-	0.69546	-
2632	IPI00229884.1	Pak2	1.26	0.51	0.69693	-
2633	IPI00347255.6	D15Wsu169e	1.14	-	0.69728	-
2634	IPI00469950.4	D15Wsu169e	1.14	1.05	0.69728	0.869
2635	IPI00338854.3	Gnai3	0.85	0.86	0.69775	0.66504
2636	IPI00132080.1	Pgls	0.90	-	0.69964	-
2637	IPI00122353.1	Prkcsh	0.89	1.41	0.70003	0.35843
2638	IPI00311387.1	Ap3m1	0.89	-	0.70046	-
2639	IPI00896727.1	Cand1	1.05	0.88	0.70189	0.39388
2640	IPI00120374.1	Ppp2ca	1.06	1.04	0.70248	0.76194
2641	IPI00224733.3	Pddc1	1.12	1.16	0.70248	0.61162
2642	IPI00831554.1	5-Mar	0.87	1.07	0.70256	0.62623
2643	IPI00131895.4	5-Mar	0.87	-	0.70256	-
2644	IPI00403055.1	Psmf1	0.73	-	0.70362	-
2645	IPI00894885.1	Psmf1	0.73	0.74	0.70362	0.37683
2646	IPI00308187.1	Vapb	1.07	1.05	0.70362	0.75519
2647	IPI00135655.3	Vapb	1.07	-	0.70362	-
2648	IPI00420806.3	Dync1li2	0.92	-	0.70419	-
2649	IPI00928256.1	Dync1li2	0.92	0.83	0.70419	0.59331

2650	IPI00169546.1	Gmids	0.91	0.56	0.70424	-
2651	IPI00918653.1	Lphn1	1.08	-	0.70424	-
2652	IPI00918724.1	Lphn1	1.08	-	0.70424	-
2653	IPI00553717.6	Mccc2	1.10	1.13	0.70556	0.45615
2654	IPI00111412.3	Rpl4	0.92	1.15	0.70617	0.35843
2655	IPI00138232.4	Gprin1	1.06	0.94	0.70617	0.83335
2656	IPI00830375.1	Bad	1.08	-	0.70617	-
2657	IPI00752265.1	Bad	1.08	-	0.70617	-
2658	IPI00119986.1	Bad	1.08	-	0.70617	-
2659	IPI00752233.1	Bad	1.08	1.21	0.70617	-
2660	IPI00856453.1	Eif4g1	1.32	-	0.70617	-
2661	IPI00421179.1	Eif4g1	1.32	-	0.70617	-
2662	IPI00858249.1	Eif4g1	1.32	-	0.70617	-
2663	IPI00124614.1	Epm2aip1	1.04	1.00	0.70660	1
2664	IPI00775863.1	Gnb2	1.07	0.91	0.70959	0.48356
2665	IPI00420426.1	Ap3b2	1.08	1.02	0.71224	0.96295
2666	IPI00122273.1	Dag1	1.24	0.73	0.71224	0.37934
2667	IPI00876343.1	Hip1r	1.36	1.00	0.71348	1
2668	IPI00311726.3	Hip1r	1.36	-	0.71348	-
2669	IPI00133218.3	Arl8b	0.91	1.15	0.71477	0.37683
2670	IPI00378764.6	Vgf	1.16	0.92	0.71477	0.66498
2671	IPI00653328.2	Eps15l1	0.88	-	0.71616	-
2672	IPI00135965.2	Ina	1.14	1.09	0.71886	0.8044
2673	IPI00402982.2	Tmod2	0.94	0.96	0.72027	0.78685
2674	IPI00676489.1	Ctnnd1	0.92	-	0.72487	-
2675	IPI00752108.1	Ctnnd1	0.92	-	0.72487	-
2676	IPI00403823.1	Ctnnd1	0.92	0.88	0.72487	0.57476
2677	IPI00754401.1	Ctnnd1	0.92	-	0.72487	-
2678	IPI00316623.4	Ctnnd1	0.92	-	0.72487	-
2679	IPI00757459.1	Ctnnd1	0.92	-	0.72487	-
2680	IPI00756875.1	Ctnnd1	0.92	-	0.72487	-
2681	IPI00660602.1	Ctnnd1	0.92	-	0.72487	-
2682	IPI00753220.1	Ctnnd1	0.92	-	0.72487	-
2683	IPI00752593.1	Ctnnd1	0.92	-	0.72487	-
2684	IPI00663949.1	Ctnnd1	0.92	-	0.72487	-
2685	IPI00755935.1	Ctnnd1	0.92	-	0.72487	-
2686	IPI00750243.1	Ctnnd1	0.92	-	0.72487	-
2687	IPI00649344.1	Tmed4	0.93	1.00	0.72487	1
2688	IPI00277001.4	Psma4	1.06	0.92	0.72487	0.8586
2689	IPI00134621.3	Ran;LOC1000459!	1.07	0.92	0.72487	0.54506
2690	IPI00466919.7	Pgd	1.20	-	0.72487	-
2691	IPI00894579.1	Pgd	1.20	0.90	0.72487	0.5754
2692	IPI00620040.3	Ppm1h	1.23	0.83	0.72744	0.47039
2693	IPI00944734.1	Ctnna2	1.03	0.82	0.72908	0.37683
2694	IPI00128249.1	Ahsg	1.05	1.19	0.72951	0.54327
2695	IPI00134095.3	Birc6	0.91	0.55	0.73290	0.37683
2696	IPI00119880.1	Nudt3	0.92	-	0.73290	-
2697	IPI00885459.1	Tnik	0.93	0.94	0.73290	-
2698	IPI00938472.1	Tnik	0.93	-	0.73290	-
2699	IPI00886378.1	Tnik	0.93	-	0.73290	-
2700	IPI00886317.1	Tnik	0.93	-	0.73290	-
2701	IPI00662721.3	Tnik	0.93	-	0.73290	-

2702	IPI00132705.1	Myl12b	0.96	0.98	0.73290	0.86978
2703	IPI00890005.1	Hnrnpk	0.97	-	0.73290	-
2704	IPI00465574.2	Hnrnpk	0.97	0.99	0.73290	-
2705	IPI00845769.1	Gpd1l	1.04	-	0.73290	-
2706	IPI00653847.1	Cspg5	1.12	1.20	0.73290	-
2707	IPI00651984.1	Dcps	1.14	1.21	0.73290	0.52993
2708	IPI00459280.2	Dcps	1.14	0.88	0.73290	-
2709	IPI00407137.1	Cpne4	1.16	0.91	0.73290	0.81665
2710	IPI00108980.2	Cpne4	1.16	-	0.73290	-
2711	IPI00469318.1	Osbpl1a	1.17	-	0.73290	-
2712	IPI00625286.1	Osbpl1a	1.17	0.96	0.73290	0.69126
2713	IPI00742367.1	Osbpl1a	1.17	-	0.73290	-
2714	IPI00885663.1	Osbpl1a	1.17	-	0.73290	-
2715	IPI00111013.1	Ctsd	1.18	-	0.73290	-
2716	IPI00404551.1	Ctsd	1.18	1.15	0.73290	0.49522
2717	IPI00117731.1	Erc1;LOC1000486	1.43	-	0.73290	-
2718	IPI00136135.1	Ctnnd2	0.94	-	0.73541	-
2719	IPI00228632.1	Ctnnd2	0.94	0.71	0.73541	0.45615
2720	IPI00228618.5	Gnaq	0.97	0.95	0.73642	0.83638
2721	IPI00420926.3	Arvcf	1.18	0.84	0.73642	-
2722	IPI00625693.1	Arvcf	1.18	-	0.73642	-
2723	IPI00127472.2	Arvcf	1.18	-	0.73642	-
2724	IPI00621122.1	Arvcf	1.18	-	0.73642	-
2725	IPI00620282.1	Arvcf	1.18	-	0.73642	-
2726	IPI00890867.1	Rad23b	1.03	0.90	0.74269	0.49522
2727	IPI00108774.1	Rad23b	1.03	-	0.74269	-
2728	IPI00119756.1	Cd200	0.79	-	0.74312	-
2729	IPI00775807.1	Cd200	0.79	0.83	0.74312	0.84073
2730	IPI00622742.1	Capn2	0.86	-	0.74318	-
2731	IPI00875405.1	Psmc1	1.07	0.98	0.74534	0.9364
2732	IPI00267295.5	Psmc1	1.07	-	0.74534	-
2733	IPI00881091.1	Ctsd	1.21	-	0.74629	-
2734	IPI00875478.1	Ralgapb	0.93	0.92	0.74640	-
2735	IPI00663802.1	Ralgapb	0.93	0.86	0.74640	-
2736	IPI00118849.1	Dyrk1a	0.69	-	0.74720	-
2737	IPI00880773.1	Dyrk1a	0.69	-	0.74720	-
2738	IPI00131035.2	Mtmr7	0.82	-	0.74720	-
2739	IPI00753044.1	Arpc3	1.03	-	0.74720	-
2740	IPI00124829.5	Arpc3	1.03	1.06	0.74720	0.59832
2741	IPI00317289.8	Dctn4	1.02	-	0.74728	-
2742	IPI00857934.1	Cops4	1.16	-	0.75112	-
2743	IPI00225275.5	Pygm	1.06	0.83	0.75514	0.6116
2744	IPI00831057.1	Pygm	1.06	-	0.75514	-
2745	IPI00133349.1	Carhsp1	0.93	0.84	0.75748	0.49522
2746	IPI00322760.7	Prodh	0.60	1.11	0.75783	0.53529
2747	IPI00112414.1	Cse1l	0.95	1.06	0.75783	0.51132
2748	IPI00126083.3	Ehd1	0.90	1.00	0.75836	-
2749	IPI00119239.2	Psmc6	1.10	0.75	0.75836	-
2750	IPI00110684.1	Ppa1	1.06	1.00	0.76078	1
2751	IPI00876097.1	Plxna4	0.94	0.85	0.76175	0.71119
2752	IPI00187545.4	Plxna4	0.94	-	0.76175	-
2753	IPI00881473.1	Qdpr	1.11	0.87	0.76175	-

2754	IPI00119024.3	Arl6ip5	0.88	1.08	0.76185	0.73565
2755	IPI00751955.1	Tmx2	1.07	1.00	0.76549	0.99618
2756	IPI00459309.2	Gm5499;Tmx2	1.07	-	0.76549	-
2757	IPI00264750.4	Vcam1	1.30	1.10	0.76549	-
2758	IPI00222429.6	Nomo1	1.06	1.22	0.76710	0.35843
2759	IPI00453829.3	Tmx4	1.14	1.30	0.76801	0.47039
2760	IPI00124828.1	Mrps31	0.88	0.87	0.76855	0.76194
2761	IPI00115663.2	Dctn1	0.97	-	0.76855	-
2762	IPI00856365.1	Dctn1	0.97	0.96	0.76855	0.74723
2763	IPI00226215.1	Slc6a11	1.06	0.92	0.76875	0.78833
2764	IPI00136867.1	Slc6a11	1.06	-	0.76875	-
2765	IPI00480564.1	Cntn6	1.08	-	0.76886	-
2766	IPI00312433.1	Cntn6	1.08	-	0.76886	-
2767	IPI00229475.1	Jup	0.93	0.89	0.77091	0.86916
2768	IPI00116850.3	D10Wsu52e	0.93	1.06	0.77091	0.6252
2769	IPI00134017.1	Chordc1	0.91	1.04	0.77399	0.91146
2770	IPI00223398.1	Nf1	1.13	0.89	0.77399	0.49522
2771	IPI00108783.1	Nf1	1.13	-	0.77399	-
2772	IPI00119116.1	Ppox	1.10	1.01	0.77580	0.98629
2773	IPI00751474.1	Atp2b4	1.19	0.82	0.77728	-
2774	IPI00750917.2	Atp2b4	1.19	-	0.77728	-
2775	IPI00404438.1	Picalm	1.05	-	0.78154	-
2776	IPI00264501.8	Picalm	1.05	-	0.78154	-
2777	IPI00284521.9	Dock3	1.09	0.70	0.78220	0.35843
2778	IPI00132206.22	Dnajc5	0.92	-	0.78222	-
2779	IPI00221615.5	Arf5	0.70	1.03	0.78312	0.79785
2780	IPI00116546.2	Prkar2a	1.06	-	0.78345	-
2781	IPI00473176.1	Impa1	1.08	-	0.78577	-
2782	IPI00221611.3	Cdc42se2	1.08	-	0.78577	-
2783	IPI00117580.9	BC005764	0.83	1.22	0.78938	0.63407
2784	IPI00282873.2	LOC635992	0.88	0.85	0.79311	0.65135
2785	IPI00420186.1	Eps15l1	0.94	0.96	0.79311	-
2786	IPI00320016.7	Nono	1.04	1.15	0.79311	0.61282
2787	IPI00848866.1	Gm8894	1.06	-	0.79311	-
2788	IPI00850361.1	Gm8894	1.06	-	0.79311	-
2789	IPI00354819.5	Myl6	1.06	-	0.79311	-
2790	IPI00409817.2	Myl6	1.06	0.93	0.79311	0.73565
2791	IPI00474757.4	Gm5915	1.06	-	0.79311	-
2792	IPI00462232.3	Gm5526	1.06	-	0.79311	-
2793	IPI00753623.1	LOC674810	1.27	-	0.79312	-
2794	IPI00331628.5	Hsd17b4	1.03	1.00	0.79703	0.96924
2795	IPI00406800.4	Capzb	1.03	-	0.79729	-
2796	IPI00776374.1	Capzb	1.03	-	0.79729	-
2797	IPI00115454.3	Sfxn1	1.05	1.09	0.79965	0.35843
2798	IPI00655041.2	Exoc2	0.94	1.11	0.80003	0.8281
2799	IPI00111981.1	Ola1	0.98	0.76	0.80088	0.38642
2800	IPI00754697.1	Ola1	0.98	-	0.80088	-
2801	IPI00130118.1	Rab10	1.07	1.04	0.80088	0.65939
2802	IPI00719950.2	Src	1.07	1.08	0.80150	-
2803	IPI00620622.2	Src	1.07	0.80	0.80150	0.79353
2804	IPI00222801.5	Src	1.07	-	0.80150	-
2805	IPI00125939.3	Acot7	1.03	-	0.80214	-

2806	IPI00230588.1	Acot7	1.03	1.02	0.80214	0.96001
2807	IPI00284094.4	Acot7	1.03	-	0.80214	-
2808	IPI00672508.1	Acot7	1.03	-	0.80214	-
2809	IPI00895479.1	2810422J05Rik	0.95	-	0.80368	-
2810	IPI00880817.1	Ppp2r2d	1.10	0.69	0.80373	-
2811	IPI00473753.2	Ppp2r2d	1.10	-	0.80373	-
2812	IPI00461290.1	Osbp18	1.12	0.92	0.80420	0.53529
2813	IPI00848595.1	Dtd1	1.08	0.96	0.80474	0.86896
2814	IPI00133713.5	Dtd1	1.08	-	0.80474	-
2815	IPI00110264.2	Ptpnf	1.10	-	0.80474	-
2816	IPI00399905.5	Ppfia3	1.04	0.89	0.80602	0.6252
2817	IPI00762919.2	Hip1	0.88	-	0.80857	-
2818	IPI00755019.1	Ank1	0.74	-	0.80949	-
2819	IPI00755993.1	Ank1	0.74	-	0.80949	-
2820	IPI00119871.3	Ank1	0.74	-	0.80949	-
2821	IPI00127163.4	Ank1	0.74	1.38	0.80949	0.33373
2822	IPI00874807.1	Ank1	0.74	-	0.80949	-
2823	IPI00881427.1	Ank1	0.74	-	0.80949	-
2824	IPI00755395.1	Ank1	0.74	-	0.80949	-
2825	IPI00882025.1	Ank1	0.74	-	0.80949	-
2826	IPI00474771.2	Ank1	0.74	-	0.80949	-
2827	IPI00756691.1	Gorasp2	1.08	-	0.80977	-
2828	IPI00753317.3	Gorasp2	1.08	-	0.80977	-
2829	IPI00165716.4	Gorasp2	1.08	-	0.80977	-
2830	IPI00461744.2	Gorasp2	1.08	1.12	0.80977	0.77883
2831	IPI00111045.1	Timm50	1.11	1.00	0.80977	0.98135
2832	IPI00321170.8	Rpl3	1.19	-	0.80977	-
2833	IPI00754487.1	-	1.19	1.10	0.80977	0.49057
2834	IPI00755309.1	Rpl3;Gm16468	1.19	-	0.80977	-
2835	IPI00132539.3	Btf3l4	0.92	1.03	0.80978	0.95722
2836	IPI00229527.7	Lta4h	0.89	-	0.81035	-
2837	IPI00798439.1	Lta4h	0.89	0.98	0.81035	0.96001
2838	IPI00187407.4	Cops8	1.06	0.64	0.81035	0.62995
2839	IPI00130489.1	Rab35	1.03	0.91	0.81090	0.49522
2840	IPI00928518.1	Pgls	0.92	-	0.81129	-
2841	IPI00128945.1	Psmb2	1.07	1.02	0.81129	0.9301
2842	IPI00225322.1	Add1	0.96	0.85	0.81153	0.47039
2843	IPI00856779.1	Add1	0.96	-	0.81153	-
2844	IPI00136000.1	Add1	0.96	0.89	0.81153	-
2845	IPI00856904.1	Add1	0.96	-	0.81153	-
2846	IPI00856144.1	Add1	0.96	-	0.81153	-
2847	IPI00230238.3	Rab11fip5	0.97	-	0.81153	-
2848	IPI00756275.2	Plxn2	1.17	1.07	0.81153	0.84785
2849	IPI00127942.4	Dstn	1.10	0.87	0.81170	0.53578
2850	IPI00464166.2	Ptpn23	1.06	-	0.81274	-
2851	IPI00606716.2	Ptpn23	1.06	0.87	0.81274	0.49522
2852	IPI00894804.1	Dnajc5	0.95	0.93	0.81287	-
2853	IPI00223047.2	Ckap4	0.91	1.09	0.81319	0.54845
2854	IPI00119680.3	Ap1m1	0.92	0.96	0.81319	0.82911
2855	IPI00828535.1	Atrn	1.06	0.84	0.81331	0.73026
2856	IPI00224752.7	Atrn	1.06	-	0.81331	-
2857	IPI00112963.1	Ctnna1	1.06	0.65	0.81360	0.33373

2858	IPI00471246.2	Ivd	1.16	1.02	0.81360	0.96546
2859	IPI00117733.1	Erc1	1.23	1.10	0.81795	0.88143
2860	IPI00457547.2	Erc1	1.23	-	0.81795	-
2861	IPI00881767.1	Ncald	1.11	-	0.81809	-
2862	IPI00132314.1	Nucb1	0.90	-	0.81867	-
2863	IPI00654387.4	Nucb1	0.90	1.44	0.81867	-
2864	IPI00420467.1	Pvrl1	1.05	0.44	0.81867	0.62552
2865	IPI00311405.3	Pvrl1	1.05	-	0.81867	-
2866	IPI00134918.4	Ptpmt1	1.16	0.93	0.81867	0.49165
2867	IPI00762435.2	Fyn	0.90	0.96	0.81930	0.95352
2868	IPI00515590.1	Nsg2	0.87	-	0.82181	-
2869	IPI00515215.1	Nsg2	0.87	-	0.82181	-
2870	IPI00111273.1	Nsg2	0.87	0.57	0.82181	0.71708
2871	IPI00515330.1	9-Sep	0.92	0.91	0.82181	0.64574
2872	IPI00648786.1	9-Sep	0.92	-	0.82181	-
2873	IPI00457611.2	9-Sep	0.92	-	0.82181	-
2874	IPI00271166.4	Htt	0.76	1.11	0.82299	-
2875	IPI00918921.1	Tmem189	0.92	-	0.82299	-
2876	IPI00918685.1	Ube2v1;Tmem18'	0.92	-	0.82299	-
2877	IPI00124221.1	Atp1b3	1.04	0.86	0.82299	0.37683
2878	IPI00121623.1	Dynll1	1.06	0.87	0.82299	0.65066
2879	IPI00227836.1	Ola1	0.98	0.99	0.82337	-
2880	IPI00337050.1	Dock9	1.03	-	0.82337	-
2881	IPI00896597.1	Dock9	1.03	-	0.82337	-
2882	IPI00664508.2	Dock9	1.03	-	0.82337	-
2883	IPI00896689.1	Dock9	1.03	-	0.82337	-
2884	IPI00462129.4	Dock9	1.03	0.74	0.82337	0.47039
2885	IPI00221569.1	Zadh2	0.80	1.04	0.82506	0.87475
2886	IPI00830563.1	Spg7	0.98	-	0.82528	-
2887	IPI00830269.1	Spg7	0.98	1.27	0.82528	0.59108
2888	IPI00170128.7	Spg7	0.98	-	0.82528	-
2889	IPI00116529.1	Ptp4a2	1.01	0.94	0.82528	-
2890	IPI00124291.1	Vps45	0.93	1.01	0.82549	0.97404
2891	IPI00830613.1	Epb4.1l1	0.96	0.96	0.82840	-
2892	IPI00129572.1	Pcdhgc5;Pcdhga1	0.97	0.97	0.82882	0.95675
2893	IPI00881750.1	Ndufb5	1.08	-	0.83018	-
2894	IPI00118143.1	Cttn	0.87	-	0.83131	-
2895	IPI00121977.3	Cttn	0.87	0.88	0.83131	0.45837
2896	IPI00624988.4	Cttn	0.87	-	0.83131	-
2897	IPI00318012.6	Itfg1	0.93	1.08	0.83504	0.49947
2898	IPI00131406.1	Psma7	1.05	1.09	0.83504	0.78252
2899	IPI00330688.3	Mrps7	1.02	1.06	0.83687	0.68643
2900	IPI00169788.1	Prkar2a	0.96	0.87	0.83746	0.63734
2901	IPI00132762.1	Trap1	1.04	1.06	0.83931	0.71743
2902	IPI00133418.1	Scg2	1.04	1.00	0.84080	0.99283
2903	IPI00649373.1	Git1	1.02	0.93	0.84176	0.51958
2904	IPI00470095.1	Git1	1.02	-	0.84176	-
2905	IPI00117379.3	Atox1	1.07	0.34	0.84176	0.71028
2906	IPI00470152.2	Ubb;Rps27a;Ubc;	0.97	-	0.84338	-
2907	IPI00850023.1	LOC100046746	1.06	1.10	0.84655	0.69343
2908	IPI00408176.2	Csnk2a1;Gm1003	1.01	0.96	0.84734	0.80824
2909	IPI00122396.1	Smpd3	0.92	0.97	0.84939	0.9364

2910	IPI00224109.2	Hsph1	0.96	0.93	0.85134	0.801
2911	IPI00467495.4	Gmfb	0.97	1.06	0.85134	0.63129
2912	IPI00119131.2	Cyb5r1	0.84	0.86	0.85151	0.35843
2913	IPI00759913.1	Ktn1	0.91	-	0.85151	-
2914	IPI00122559.3	Ktn1	0.91	-	0.85151	-
2915	IPI00759972.1	Ktn1	0.91	-	0.85151	-
2916	IPI00759851.1	Ktn1	0.91	1.10	0.85151	0.7441
2917	IPI00407517.2	Ktn1	0.91	-	0.85151	-
2918	IPI00759916.1	Ktn1	0.91	-	0.85151	-
2919	IPI00760049.1	Ktn1	0.91	-	0.85151	-
2920	IPI00760053.1	Ktn1	0.91	-	0.85151	-
2921	IPI00221796.1	Pcbp2	0.94	1.21	0.85151	0.63837
2922	IPI00850217.1	LOC100046119	0.97	0.97	0.85151	0.82256
2923	IPI00165854.3	Ube2n	0.97	-	0.85151	-
2924	IPI00315280.5	Sema7a	1.05	1.87	0.85151	0.4071
2925	IPI00648155.1	Asph	1.09	-	0.85151	-
2926	IPI00648378.1	Asph	1.09	-	0.85151	-
2927	IPI00649615.1	Asph	1.09	-	0.85151	-
2928	IPI00649881.1	Asph	1.09	-	0.85151	-
2929	IPI00624896.4	Asph	1.09	0.92	0.85151	-
2930	IPI00662793.4	Asph	1.09	-	0.85151	-
2931	IPI00647977.1	Asph	1.09	-	0.85151	-
2932	IPI00474904.3	Asph	1.09	-	0.85151	-
2933	IPI00462445.2	Nedd4	0.90	0.96	0.85467	0.81227
2934	IPI00109213.1	Slc8a1	0.93	-	0.85580	-
2935	IPI00407954.2	Rap1b;LOC10004	1.04	0.98	0.85580	0.96994
2936	IPI00468633.3	Slc6a9	0.93	0.94	0.85656	0.86978
2937	IPI00890277.1	Slc6a9	0.93	-	0.85656	-
2938	IPI00122101.5	Slc6a9	0.93	-	0.85656	-
2939	IPI00404545.2	Nedd4l	1.10	-	0.85656	-
2940	IPI00762565.1	Asph	0.92	-	0.85775	-
2941	IPI00649469.1	Asph	0.92	-	0.85775	-
2942	IPI00473653.1	Asph	0.92	-	0.85775	-
2943	IPI00474131.2	Asph	0.92	-	0.85775	-
2944	IPI00648861.5	Asph	0.92	-	0.85775	-
2945	IPI00649215.1	Asph	0.92	-	0.85775	-
2946	IPI00458833.4	Asph	0.92	-	0.85775	-
2947	IPI00460133.3	Asph	0.92	-	0.85775	-
2948	IPI00649726.1	Asph	0.92	-	0.85775	-
2949	IPI00323800.6	Nefm	0.94	1.16	0.85775	0.59352
2950	IPI00315488.1	Rars	0.97	1.10	0.85775	0.8055
2951	IPI00226932.2	C230096C10Rik	1.05	1.00	0.85775	0.97801
2952	IPI00720171.2	C230096C10Rik	1.05	-	0.85775	-
2953	IPI00623259.1	Vps52	0.96	0.97	0.85894	0.88431
2954	IPI00121559.2	Pnkd	0.96	-	0.85956	-
2955	IPI00130670.1	Strap	0.89	-	0.85990	-
2956	IPI00111953.1	Bola1	1.13	1.13	0.86030	-
2957	IPI00133719.1	Kcna1	0.69	0.80	0.86260	0.37683
2958	IPI00853859.1	Sec31a	0.97	1.07	0.86260	-
2959	IPI00468859.3	Fads1	0.91	0.90	0.86263	0.87149
2960	IPI00461823.2	Saps2	0.82	1.03	0.86307	0.93608
2961	IPI00604947.6	Trio	0.97	-	0.86307	-

2962	IPI00943997.1	Trio	0.97	0.71	0.86307	-
2963	IPI00944152.1	Trio	0.97	-	0.86307	-
2964	IPI00828306.2	Trio	0.97	0.85	0.86307	-
2965	IPI00480432.2	Rab11fp5	1.02	0.97	0.86326	0.91346
2966	IPI00467840.2	Clpb	0.96	0.95	0.86952	-
2967	IPI00664442.3	Slc4a7	1.17	1.22	0.87231	0.37683
2968	IPI00225306.2	Slc4a7	1.17	-	0.87231	-
2969	IPI00918973.1	Strap	0.92	0.95	0.87300	0.66898
2970	IPI00122232.1	Tubg2	1.06	-	0.87466	-
2971	IPI00321243.1	Tmcc2	1.06	-	0.87734	-
2972	IPI00880305.1	Tmcc2	1.06	1.61	0.87734	-
2973	contaminant_GR78_YEAST		0.98	1.05	0.87834	0.82911
2974	IPI00346073.1	Hspa1b	1.05	1.02	0.87834	-
2975	IPI00798482.19	Hspa1a	1.05	0.80	0.87834	-
2976	IPI00875197.1	Pskb5	1.05	0.96	0.87945	0.90308
2977	IPI00120199.1	Pmpca	0.96	1.33	0.88190	0.37683
2978	IPI00785470.1	Hsd17b12	0.97	1.01	0.88190	-
2979	IPI00420870.4	Ogt	0.97	-	0.88190	-
2980	IPI00845528.1	Ogt	0.97	0.85	0.88190	0.62108
2981	IPI00462461.2	Dpp9	1.03	-	0.88190	-
2982	IPI00127172.3	Ddx1	1.03	1.09	0.88190	0.45615
2983	IPI00881277.1	Prepl	0.89	-	0.88274	-
2984	IPI00875132.2	Prepl	0.89	1.20	0.88274	0.38574
2985	IPI00224078.1	Prepl	0.89	-	0.88274	-
2986	IPI00133047.1	Gm5900;Mapksp	1.03	1.16	0.88274	0.49522
2987	IPI00123604.4	Rpsa;mCG_12253	1.06	-	0.88449	-
2988	IPI00622968.1	Gm9819	1.06	1.10	0.88449	0.5754
2989	IPI00128857.1	Me1	0.92	-	0.88529	-
2990	IPI00938457.1	Sec31a	0.97	0.98	0.88615	0.91335
2991	IPI00857468.1	Cntn4	1.09	-	0.88718	-
2992	IPI00113257.3	Ube2v1;Tmem18	0.93	-	0.88750	-
2993	IPI00649730.1	4-Sep	0.91	-	0.88815	-
2994	IPI00123219.1	4-Sep	0.91	-	0.88815	-
2995	IPI00341299.1	4-Sep	0.91	1.66	0.88815	0.37683
2996	IPI00654180.1	Ppp2r5e	1.04	0.86	0.89151	0.50028
2997	IPI00224697.1	Ppp2r5e	1.04	0.89	0.89151	-
2998	IPI00136716.1	Grm3	1.01	0.82	0.89316	0.44852
2999	IPI00124149.1	Nutf2;Gm10333;C	0.97	-	0.89664	-
3000	IPI00886324.1	Cc2d1a	1.03	-	0.89787	-
3001	IPI00321848.6	Cc2d1a	1.03	-	0.89787	-
3002	IPI00474925.1	Cc2d1a	1.03	-	0.89787	-
3003	IPI00132475.2	Lman1	0.98	1.20	0.90058	0.53529
3004	IPI00330303.7	Atic;LOC1000469	0.97	0.86	0.90095	0.51784
3005	IPI00122032.4	Reep2	0.99	1.11	0.90198	0.35843
3006	IPI00850795.1	Gm11517	0.97	1.06	0.90292	-
3007	IPI00119058.1	Grb2	1.02	1.08	0.90456	-
3008	IPI00109033.3	Fam54b	1.03	1.08	0.90680	0.60086
3009	IPI00126762.1	Csnk2b	1.03	0.84	0.90680	0.54845
3010	IPI00845803.1	Snca	0.95	1.06	0.90717	0.75733
3011	IPI00944078.1	2310057J16Rik	0.95	-	0.90747	-
3012	IPI00554840.2	2310057J16Rik	0.95	1.14	0.90747	0.74093
3013	IPI00225761.5	2310057J16Rik	0.95	-	0.90747	-

3014	IPI00623970.3	Htt	0.83	0.96	0.91137	-
3015	IPI00135390.2	Coro7	0.99	1.20	0.91231	0.53578
3016	IPI00754545.2	Gm2423	1.01	-	0.91339	-
3017	IPI00480399.1	Ablim1	0.91	-	0.91386	-
3018	IPI00480306.1	Cntn4	1.06	1.89	0.91409	0.3547
3019	IPI00228295.2	Cntn4	1.06	-	0.91409	-
3020	IPI00314844.2	Twf1	1.05	0.97	0.91513	0.93022
3021	IPI00137730.7	Pebp1	1.02	0.85	0.91630	0.5166
3022	IPI00132443.3	Hnrnrm	1.05	-	0.91630	-
3023	IPI00918137.1	Hnrnrm	1.05	-	0.91630	-
3024	IPI00480357.6	Hnrnrm	1.05	1.20	0.91630	0.50515
3025	IPI00919164.1	Hnrnrm	1.05	-	0.91630	-
3026	IPI00135106.2	Mobp	0.94	0.82	0.91757	0.45615
3027	IPI00387192.4	Tmem49	1.03	1.03	0.91800	0.88143
3028	IPI00124479.2	Kif2a	0.96	0.99	0.91844	-
3029	IPI00170093.3	Ndufs8	1.04	1.06	0.91844	0.67818
3030	IPI00411116.4	Ube2d3	0.94	-	0.92064	-
3031	IPI00125135.1	Ube2d2	0.94	-	0.92064	-
3032	IPI00608114.2	Mycbp2	1.04	0.08	0.92088	-
3033	IPI00380409.1	Mycbp2	1.04	-	0.92088	-
3034	IPI00890139.1	Eps15l1	0.98	1.08	0.92118	0.63364
3035	IPI00420185.1	Eps15l1	0.98	-	0.92118	-
3036	IPI00387580.1	Add3	0.98	1.15	0.92118	-
3037	IPI00387559.1	Add3	0.98	-	0.92118	-
3038	IPI00153107.3	Blmh	1.04	0.97	0.92118	0.93505
3039	IPI00348414.4	Ado	1.05	0.83	0.92118	0.75164
3040	IPI00875866.1	Dnajc5	0.97	0.80	0.92211	-
3041	IPI00453798.3	Tmx3	0.97	1.13	0.92278	0.42841
3042	IPI00112948.2	Rtn3	1.03	1.05	0.92637	0.84603
3043	IPI00123518.1	Lypla2	0.98	1.13	0.92808	0.73026
3044	IPI00319973.3	Pgrmc1	1.02	1.06	0.92808	0.69436
3045	IPI00227773.1	Ppp1cc	1.02	0.89	0.92808	0.5691
3046	IPI00123862.1	Ppp1cc	1.02	-	0.92808	-
3047	IPI00420909.1	Slc6a7	1.04	0.85	0.92808	0.82176
3048	IPI00153642.1	Ubqln1	1.04	0.87	0.92808	-
3049	IPI00230194.5	Gng2	1.03	0.88	0.93098	0.35616
3050	IPI00227805.6	Pfn2	0.97	-	0.93187	-
3051	IPI00881395.1	Pfn2	0.97	-	0.93187	-
3052	IPI00228645.5	Pfn2	0.97	0.87	0.93187	0.73026
3053	IPI00187510.2	Tnik	0.98	-	0.93187	-
3054	IPI00885391.1	Tnik	0.98	-	0.93187	-
3055	IPI00885953.1	Tnik	0.98	-	0.93187	-
3056	IPI00625974.2	Tnik	0.98	0.89	0.93187	-
3057	IPI00885634.1	Tnik	0.98	-	0.93187	-
3058	IPI00889833.1	Ubqln2	1.02	1.29	0.93187	0.79785
3059	IPI00387416.1	Ubqln2	1.02	-	0.93187	-
3060	IPI00750671.1	Dynlrb1	1.03	0.94	0.93187	0.6116
3061	IPI00315225.7	Dynlrb1	1.03	-	0.93187	-
3062	IPI00115824.1	Nipsnap1	1.04	0.98	0.93187	0.88732
3063	IPI00850402.1	LOC100044896	1.00	-	0.93188	-
3064	IPI00135452.2	Sdc3	1.06	0.84	0.93218	0.68476
3065	IPI00340519.3	Prkab2	1.02	-	0.93335	-

3066	IPI00885470.1	Prkab2	1.02	1.50	0.93335	-
3067	IPI00222044.1	Fam49a	0.94	0.92	0.93403	0.72494
3068	IPI00230035.7	Ddx3x	0.97	1.13	0.93403	0.38642
3069	IPI00123342.4	Hyou1	0.99	0.97	0.93403	0.83925
3070	IPI00225961.5	Phgdh	1.01	0.80	0.93403	0.39385
3071	IPI00120045.1	Hspe1-rs1	1.02	-	0.93403	-
3072	IPI00263863.8	Hspe1	1.02	0.95	0.93403	0.72815
3073	IPI00263013.4	Plp1	1.00	0.80	0.93515	0.35616
3074	IPI00230427.5	Mif	0.98	0.87	0.93577	0.54013
3075	IPI00463909.3	Huwe1	1.02	-	0.93815	-
3076	IPI00655012.2	Huwe1	1.02	0.91	0.93815	-
3077	IPI00380785.16	Slc9a1	1.04	0.55	0.94067	-
3078	IPI00622815.2	Slc9a1	1.04	0.76	0.94067	0.38012
3079	IPI00474386.1	Add3	0.98	0.85	0.94377	0.61297
3080	IPI00119219.2	Hsd17b12	0.99	0.99	0.94380	0.98889
3081	IPI00400328.3	Add2	0.98	0.92	0.94550	-
3082	IPI00753534.3	Slc22a23	1.04	1.33	0.94577	0.82227
3083	IPI00380443.4	Slc22a23	1.04	-	0.94577	-
3084	IPI00129519.3	Basp1	0.99	1.00	0.94586	0.99268
3085	IPI00890230.1	Ccdc47	1.02	-	0.94586	-
3086	IPI00310518.3	Ccdc47	1.02	1.22	0.94586	0.38642
3087	IPI00648479.2	Ccdc47	1.02	1.05	0.94586	-
3088	IPI00776164.1	Map2k2	0.96	-	0.94657	-
3089	IPI00755513.2	Map2k2	0.96	0.94	0.94657	0.83925
3090	IPI00135708.1	Map2k2	0.96	-	0.94657	-
3091	IPI00118131.6	Ppp2r5c	1.03	-	0.94841	-
3092	IPI00408024.1	Ppp2r5c	1.03	0.66	0.94841	-
3093	IPI00808115.1	Cd200	1.08	-	0.94907	-
3094	IPI00108388.1	Usp9x	0.98	-	0.95104	-
3095	IPI00759943.1	Ktn1	0.98	-	0.95104	-
3096	IPI00760076.1	Ktn1	0.98	-	0.95104	-
3097	IPI00759952.1	Ktn1	0.98	-	0.95104	-
3098	IPI00759887.1	Ktn1	0.98	-	0.95104	-
3099	IPI00759936.1	Ktn1	0.98	-	0.95104	-
3100	IPI00230707.6	Ywhag	1.01	0.99	0.95104	0.9364
3101	IPI00128360.1	Ntrk2	1.02	-	0.95104	-
3102	IPI00132089.2	Prep	1.02	0.97	0.95104	0.85539
3103	IPI00648298.2	Ptpnf	1.03	1.09	0.95104	-
3104	IPI00109212.3	Snx2	1.03	1.16	0.95104	0.61123
3105	IPI00228907.3	Elmod1	1.09	1.23	0.95104	0.47039
3106	IPI00228385.5	G6pdx	0.96	0.94	0.95136	0.73026
3107	IPI00132504.1	Mrps30	0.98	1.29	0.95136	0.35843
3108	IPI00113686.2	Gtf2i	1.01	-	0.95136	-
3109	IPI00761775.1	Gtf2i	1.01	-	0.95136	-
3110	IPI00229538.3	Gtf2i	1.01	-	0.95136	-
3111	IPI00229536.4	Gtf2i	1.01	-	0.95136	-
3112	IPI00229535.2	Gtf2i	1.01	1.11	0.95136	0.35843
3113	IPI00876528.1	Gtf2i	1.01	-	0.95136	-
3114	IPI00395163.1	Gtf2i	1.01	-	0.95136	-
3115	IPI00115949.1	Gm6969;Cox7a2l	1.02	-	0.95178	-
3116	IPI00930806.1	Cox7a2l	1.02	-	0.95178	-
3117	IPI00120136.1	Cox7a2l	1.02	1.82	0.95178	0.52558

3118	IPI00869473.1	Ccdc132	0.98	-	0.95416	-
3119	IPI00869359.1	Ccdc132	0.98	0.77	0.95416	0.59365
3120	IPI00621085.3	Ccdc132	0.98	-	0.95416	-
3121	IPI00130419.1	Prkce	1.01	0.92	0.95515	0.73026
3122	IPI00890117.1	Cfl1	1.01	0.96	0.96111	0.76773
3123	IPI00848816.1	LOC100048522	0.98	-	0.96439	-
3124	IPI00606731.1	Dpp9	0.99	-	0.96439	-
3125	IPI00649043.1	Celsr2	0.99	1.28	0.96439	-
3126	IPI00649549.2	Celsr2	0.99	-	0.96439	-
3127	IPI00850704.1	Celsr2	0.99	-	0.96439	-
3128	IPI00313878.3	Celsr2	0.99	-	0.96439	-
3129	IPI00407863.6	Clasp2	1.02	0.84	0.96439	-
3130	IPI00830860.1	Clasp2	1.02	0.79	0.96439	0.47039
3131	IPI00229080.7	Hsp90ab1	1.01	1.13	0.96591	0.50515
3132	IPI00319965.3	Psm6	0.98	0.87	0.96914	0.59331
3133	IPI00330323.1	Mogs	0.98	1.10	0.96914	0.63926
3134	IPI00816951.1	Hdac5	0.99	-	0.96914	-
3135	IPI00856588.1	Hdac5	0.99	-	0.96914	-
3136	IPI00283913.5	Hdac5	0.99	-	0.96914	-
3137	IPI00649981.1	Hdac5	0.99	-	0.96914	-
3138	IPI00555143.4	Ppfia2	0.99	-	0.96914	-
3139	IPI00323179.3	Gdi1	1.00	0.95	0.96914	0.8044
3140	IPI00453946.2	Pnkd	1.00	-	0.96914	-
3141	IPI00464245.3	Pnkd	1.00	-	0.96914	-
3142	IPI00136251.1	Dnaja2	1.00	0.87	0.96914	0.51296
3143	IPI00875669.2	Lphn1	1.01	0.86	0.96914	0.59331
3144	IPI00816879.1	Lphn1	1.01	-	0.96914	-
3145	IPI00623958.3	Lphn1	1.01	-	0.96914	-
3146	IPI00119517.3	Cask	1.01	-	0.96914	-
3147	IPI00776341.2	Cask	1.01	-	0.96914	-
3148	IPI00776307.2	Cask	1.01	0.80	0.96914	0.49522
3149	IPI00623542.3	Slc8a1	0.99	0.87	0.97032	0.5754
3150	IPI00321378.3	Picalm	0.99	1.01	0.97032	-
3151	IPI00115475.1	Ufsp2	1.00	1.08	0.97195	0.91077
3152	IPI00130840.7	Cope	0.99	-	0.97243	-
3153	IPI00553576.3	Abcd3	1.00	1.05	0.97341	0.76773
3154	IPI00135646.1	Abcd3	1.00	-	0.97341	-
3155	IPI00112536.1	Scrn1	1.00	0.93	0.97437	0.75245
3156	IPI00623897.3	D630045J12Rik	1.01	0.82	0.97860	-
3157	IPI00380953.6	AW555464	1.02	0.79	0.97860	0.43541
3158	IPI00131309.1	Tubg1	0.99	0.76	0.97872	-
3159	IPI00955119.1	Atp13a1	1.02	0.98	0.97916	-
3160	IPI00109891.1	Atp13a1	1.02	-	0.97916	-
3161	IPI00262349.2	Cpne7	1.01	-	0.98128	-
3162	IPI00421206.1	Kctd12	1.01	1.24	0.98264	0.47605
3163	IPI00316650.1	Exoc7	0.98	-	0.98353	-
3164	IPI00648959.1	Exoc7	0.98	1.02	0.98353	-
3165	IPI00405742.6	Plxnb2	0.99	-	0.98520	-
3166	IPI00323134.1	Cdh2	1.01	-	0.98520	-
3167	IPI00830707.1	Cdh2	1.01	-	0.98520	-
3168	IPI00749860.1	Cdh2;LOC100044	1.01	0.75	0.98520	0.37683
3169	IPI00473215.6	Pitpnc1	1.01	1.40	0.98614	0.50578

3170	IPI00742400.1	Prkacb	1.00	-	0.98708	-
3171	IPI00263822.7	Prkacb	1.00	-	0.98708	-
3172	IPI00742438.1	Prkacb	1.00	-	0.98708	-
3173	IPI00742329.1	Prkacb	1.00	0.95	0.98708	0.87469
3174	IPI00623842.4	Atp13a1	1.01	-	0.98708	-
3175	IPI00459279.2	Qdpr	1.00	0.82	0.98808	0.35843
3176	IPI00330619.3	Vac14	1.01	0.98	0.98864	0.85412
3177	IPI00760003.1	Ktn1	1.01	-	0.98877	-
3178	IPI00760078.1	Ktn1	1.01	-	0.98877	-
3179	IPI00473546.4	Ktn1	1.01	1.09	0.98877	-
3180	IPI00877244.1	Kif1a	0.99	0.87	0.98880	0.5772
3181	IPI00133212.1	Golt1b	1.00	1.28	0.98884	-
3182	IPI00281673.6	Lhfp14	0.99	-	0.99221	-
3183	IPI00122346.3	Ssr4	0.99	-	0.99221	-
3184	IPI00953773.1	Ssr4	0.99	0.98	0.99221	0.97441
3185	IPI00123542.1	Grid1	0.99	-	0.99334	-
3186	IPI00856177.1	Grid1	0.99	0.53	0.99334	0.3937
3187	IPI00270326.1	Psmc2	0.99	0.98	0.99334	0.96421
3188	IPI00223415.4	Nars	1.00	-	0.99374	-
3189	IPI00918997.1	Nars	1.00	1.08	0.99374	0.71119
3190	IPI00457543.3	Ppp2r5c	1.01	-	0.99743	-
3191	IPI00466617.1	Ppp2r5c	1.01	-	0.99743	-
3192	IPI00265386.5	Faf2	1.00	0.94	1.00000	0.84174
3193	IPI00928350.1	Myo5a	1.00	-	1.00000	-
3194	IPI00890268.2	Myo5a	1.00	1.07	1.00000	0.65064
3195	IPI00928007.1	Myo5a	1.00	1.08	1.00000	0.73026
3196	IPI00225670.1	Gphn	1.00	-	1.00000	-
3197	IPI00816946.1	Gphn	1.00	0.86	1.00000	0.45615
3198	IPI00321310.1	Tssc1	1.00	0.97	1.00000	-
3199	IPI00223818.2	Agps	0.04	-	-	-
3200	IPI00756601.2	Agps	0.04	0.98	-	-
3201	IPI00849948.1	Gm14289;Gm144	0.05	-	-	-
3202	IPI00274175.1	Gm5121	0.05	-	-	-
3203	IPI00671398.1	-	0.05	-	-	-
3204	IPI00406624.2	Mgea5	0.05	-	-	-
3205	IPI00655175.2	Mgea5	0.05	1.00	-	0.98413
3206	IPI00420290.2	Robo2	0.06	-	-	-
3207	IPI00453679.2	O610010K06Rik	0.07	0.85	-	-
3208	IPI00408556.1	Gm5578	0.07	-	-	-
3209	IPI00129504.1	Timm17b	0.08	-	-	-
3210	IPI00776232.2	Timm17b	0.08	0.81	-	-
3211	IPI00875749.1	Robo2	0.09	-	-	-
3212	IPI00882112.1	Robo2	0.09	-	-	-
3213	IPI00776029.2	Robo2	0.09	-	-	-
3214	IPI00222053.1	Neo1	0.10	-	-	-
3215	IPI00222052.1	Neo1	0.10	-	-	-
3216	IPI00129159.1	Neo1	0.10	-	-	-
3217	IPI00124740.3	Rem2	0.11	-	-	-
3218	IPI00128778.1	Sh3glb1	0.14	1.00	-	0.99618
3219	IPI00122267.3	Sh3glb1	0.14	-	-	-
3220	IPI00785417.1	Stx5a	0.17	-	-	-
3221	IPI00331533.4	Stx5a	0.17	-	-	-

3222	IPI00405224.2	Ptpre	0.19	-	-	-
3223	IPI00653215.1	Ptpre	0.19	-	-	-
3224	IPI00954626.1	Ptpre	0.19	-	-	-
3225	IPI00654319.2	Ptpre	0.19	-	-	-
3226	IPI00875454.1	Chl1	0.19	-	-	-
3227	IPI00222149.4	Chl1	0.19	-	-	-
3228	IPI00404529.2	Chl1	0.19	0.94	-	-
3229	IPI00944141.1	Rps5	0.20	1.24	-	0.5009
3230	IPI00857345.1	Rps5	0.20	-	-	-
3231	IPI00317376.1	Kcna4	0.21	0.87	-	0.47039
3232	IPI00121102.1	Kcna4	0.21	-	-	-
3233	IPI00649833.1	Sept4;Gm11492	0.24	-	-	-
3234	IPI00221865.1	Rab9b	0.24	0.83	-	0.5765
3235	IPI00331707.1	Hmgcs1;LOC1000	0.27	-	-	-
3236	IPI00649441.1	4-Sep	0.27	0.86	-	-
3237	IPI00648822.2	4-Sep	0.27	-	-	-
3238	IPI00754923.1	H13	0.27	-	-	-
3239	IPI00408103.1	H13	0.28	-	-	-
3240	IPI00670247.3	Srgap1	0.28	-	-	-
3241	IPI00875883.1	Srgap1	0.28	0.65	-	-
3242	IPI00227864.2	Pafah1b1	0.28	-	-	-
3243	IPI00649157.1	Stmn1	0.28	-	-	-
3244	IPI00648723.1	Stmn1	0.28	-	-	-
3245	IPI00131330.9	Usp32	0.29	-	-	-
3246	IPI00881765.1	AW551984	0.30	-	-	-
3247	IPI00221591.2	AW551984	0.30	-	-	-
3248	IPI00460122.1	AW551984	0.30	-	-	-
3249	IPI00269076.3	Ak2	0.31	-	-	-
3250	IPI00648318.1	Ak2	0.31	1.51	-	0.38642
3251	IPI00229865.1	Al413782	0.31	-	-	-
3252	IPI00400395.1	Al413782	0.31	1.69	-	0.70345
3253	IPI00830187.1	Vangl2	0.32	-	-	-
3254	IPI00154106.3	Vangl2	0.32	-	-	-
3255	IPI00828796.1	Ide	0.32	1.02	-	0.88276
3256	IPI00720016.2	Odz1	0.32	0.84	-	0.49947
3257	IPI00605812.3	Odz1	0.32	-	-	-
3258	IPI00119784.1	Ide	0.33	-	-	-
3259	IPI00674601.1	Gm6654	0.35	-	-	-
3260	IPI00261455.5	Gm6654	0.35	-	-	-
3261	IPI00754798.1	Gm7392	0.35	-	-	-
3262	IPI00377441.3	Rps26;LOC10004	0.35	1.15	-	0.54506
3263	IPI00119959.1	Banf1	0.36	1.04	-	0.82362
3264	IPI00263903.2	2610110G12Rik	0.37	1.03	-	0.88233
3265	IPI00322313.4	2610110G12Rik	0.37	-	-	-
3266	IPI00668433.1	Prex1	0.37	1.04	-	-
3267	IPI00675236.1	Prex1	0.37	1.85	-	-
3268	IPI00885906.1	Mllt4	0.37	-	-	-
3269	IPI00875282.1	-	0.38	-	-	-
3270	IPI00466820.4	Gm15501;Rps8	0.38	-	-	-
3271	IPI00621229.1	Gm6998	0.38	1.07	-	0.62701
3272	IPI00475203.1	Gm11353	0.38	1.26	-	0.54845
3273	IPI00828628.2	Rps8	0.38	-	-	-

3274	IPI00649065.1	Eri3	0.38	-	-	-
3275	IPI00471104.2	Eri3	0.38	-	-	-
3276	IPI00828730.1	6-Mar	0.38	-	-	-
3277	IPI00222351.3	6-Mar	0.38	-	-	-
3278	IPI00403537.4	6-Mar	0.38	-	-	-
3279	IPI00126069.7	Eif2b3	0.39	-	-	-
3280	IPI00672907.1	Eif2b3	0.39	-	-	-
3281	IPI00648960.2	Eif2b3	0.39	-	-	-
3282	IPI00895292.1	-	0.39	-	-	-
3283	IPI00881573.1	Dgke	0.39	1.36	-	-
3284	IPI00128436.1	Dgke	0.39	-	-	-
3285	IPI00894963.1		0.39	1.15	-	0.35616
3286	IPI00230349.9	Map1lc3b	0.39	1.05	-	0.83689
3287	IPI00831089.3	Camsap1l1	0.39	1.32	-	0.47364
3288	IPI00670928.3	Camsap1l1	0.39	-	-	-
3289	IPI00885543.1	Camsap1l1	0.39	-	-	-
3290	IPI00224653.5	Sec11c	0.39	-	-	-
3291	IPI00880442.1	Sec11c	0.39	0.94	-	-
3292	IPI00880865.1	Sec11c	0.39	-	-	-
3293	IPI00762647.1	Panx1	0.40	0.37	-	-
3294	IPI00228875.6	Panx1	0.40	-	-	-
3295	IPI00954313.1	Hmga1-rs1;Hmga	0.40	-	-	-
3296	IPI00314240.5	Hmga1-rs1;Hmga	0.40	-	-	-
3297	IPI00954304.1	Hmga1-rs1;Hmga	0.40	-	-	-
3298	IPI00130014.3	Map4k4	0.40	-	-	-
3299	IPI00459269.1	Hmgcs1	0.40	-	-	-
3300	IPI00120173.1	Cpne8	0.40	-	-	-
3301	IPI00461712.1	Chmp7	0.40	0.90	-	0.76381
3302	IPI00153445.1	Chmp7	0.40	-	-	-
3303	IPI00112096.3	Spcs1	0.40	1.41	-	-
3304	IPI00223019.2	Apba1	0.40	-	-	-
3305	IPI00894741.1	Edc4	0.41	-	-	-
3306	IPI00227299.6	Vim	0.42	0.92	-	0.82671
3307	IPI00857485.1	Pafah1b3	0.43	1.18	-	0.65135
3308	IPI00153176.2	Fbxo2	0.43	-	-	-
3309	IPI00928009.1	Pafah1b3	0.43	-	-	-
3310	IPI00118819.1	Pafah1b3	0.43	-	-	-
3311	IPI00461010.2	Pafah1b3	0.43	-	-	-
3312	IPI00119762.4	Dclk1	0.43	-	-	-
3313	IPI00858306.1	Pa2g4	0.43	-	-	-
3314	IPI00129028.1	Gm5620	0.44	-	-	-
3315	IPI00458711.2	Cyp51	0.44	1.05	-	0.8719
3316	IPI00850734.1	Gm15542	0.45	-	-	-
3317	IPI00222135.3	Trpm3	0.45	-	-	-
3318	IPI00655206.3	Trpm3	0.45	-	-	-
3319	IPI00654921.1	Trpm3	0.45	-	-	-
3320	IPI00553571.2	Trpm3	0.45	0.77	-	0.85059
3321	IPI00655008.1	Trpm3	0.45	-	-	-
3322	IPI00120513.3	Cops2	0.45	-	-	-
3323	IPI00321581.4	Snap29	0.45	1.04	-	0.90591
3324	IPI00654972.1	Trpm3	0.46	-	-	-
3325	IPI00465759.3	Trpm3	0.46	-	-	-

3326	IPI00420649.4	2810407C02Rik	0.46	1.01	-	0.98677
3327	IPI00757586.2	Zc3h7b	0.46	1.07	-	-
3328	IPI00109501.1	Mrrf	0.46	0.93	-	0.9364
3329	IPI00753388.1	Plcg1	0.46	-	-	-
3330	IPI00121089.2	Plcg1	0.46	-	-	-
3331	IPI00137594.2	Map1lc3a	0.46	0.98	-	0.98135
3332	IPI00135132.1	Kif21b	0.46	-	-	-
3333	IPI00471270.3	Lmtk3	0.46	-	-	-
3334	IPI00881155.1	Lmtk3	0.46	0.93	-	0.75787
3335	IPI00118832.1	Erp29	0.47	1.01	-	0.97441
3336	IPI00129548.5	Irgq	0.48	2.00	-	0.50543
3337	IPI00658614.1	Gm6549	0.48	-	-	-
3338	IPI00750151.1	Clip2	0.48	-	-	-
3339	IPI00850320.1	Gm4581	0.49	-	-	-
3340	IPI00756180.1	Gm10224	0.49	-	-	-
3341	IPI00126713.3	Gm13777	0.49	-	-	-
3342	IPI00652316.4	Srgap2	0.49	-	-	-
3343	IPI00408233.6	Mast1	0.49	-	-	-
3344	IPI00875301.1	Mast1	0.49	-	-	-
3345	IPI00919281.1	1810035L17Rik	0.49	-	-	-
3346	IPI00666885.3	Dnajc13	0.49	1.00	-	0.98873
3347	IPI00331534.3	Npdc1	0.49	-	-	-
3348	IPI00753649.1	Npdc1	0.49	-	-	-
3349	IPI00229332.2	Npdc1	0.49	-	-	-
3350	IPI00762221.2	-	0.50	-	-	-
3351	IPI00874692.1	Gm4294	0.50	-	-	-
3352	IPI00473532.1	Gm10020	0.50	1.03	-	-
3353	IPI00667252.1	LOC634785	0.50	-	-	-
3354	IPI00273803.4	Rpl15	0.50	-	-	-
3355	IPI00123534.1	Grid2	0.50	0.52	-	0.60679
3356	IPI00673707.3	LOC633677	0.50	1.08	-	0.63926
3357	IPI00339916.9	Eprs	0.50	-	-	-
3358	IPI00466145.4	Gm12922	0.50	-	-	-
3359	IPI00605141.2	Gm5921	0.50	-	-	-
3360	IPI00849155.1	LOC671929	0.50	-	-	-
3361	IPI00850650.1	Gm6549	0.50	-	-	-
3362	IPI00665910.2	-	0.50	-	-	-
3363	IPI00378671.3	Gm5978	0.50	-	-	-
3364	IPI00849782.1	LOC100044627	0.51	1.39	-	0.2965
3365	IPI00755905.1	Sec16a	0.51	-	-	-
3366	IPI00627000.4	Sec16a	0.51	-	-	-
3367	IPI00849816.1	-	0.51	-	-	-
3368	IPI00849994.1	Gm16468	0.51	-	-	-
3369	IPI00889213.1	Macf1	0.51	0.87	-	-
3370	IPI00127227.2	Cbr4	0.51	0.95	-	0.81108
3371	IPI00308706.4	Rpl5;Gm15500	0.51	1.33	-	-
3372	IPI00881253.1	Rpl5	0.51	1.03	-	0.95722
3373	IPI00128692.1	Nsdhl	0.52	1.43	-	-
3374	IPI00308545.1	Caml	0.52	1.04	-	0.8044
3375	IPI00132388.3	Bzw1	0.52	1.17	-	-
3376	IPI00473748.5	Mtap4	0.52	0.99	-	-
3377	IPI00752985.1	Gm8137;Gm8264	0.52	-	-	-

3378	IPI00461456.1	Rpl23a;Gm10132	0.52	-	-	-
3379	IPI00848364.1	Gm3940	0.52	-	-	-
3380	IPI00876212.1	-	0.52	-	-	-
3381	IPI00849847.1	Gm3362	0.52	-	-	-
3382	IPI00752639.1	Gm8158;Gm8112	0.52	-	-	-
3383	IPI00754976.2	Gm10335	0.52	1.01	-	-
3384	IPI00874935.1	Gm3174;LOC1000	0.52	-	-	-
3385	IPI00408543.5	Clip2	0.52	-	-	-
3386	IPI00113521.5	Ncs1	0.52	0.94	-	0.81988
3387	IPI00128319.1	Agap3	0.53	-	-	-
3388	IPI00648564.1	Mapt	0.53	-	-	-
3389	IPI00649060.1	Akap2	0.53	-	-	-
3390	IPI00469280.5	Slc30a6	0.53	0.94	-	0.90457
3391	IPI00653962.1	Rps15	0.53	-	-	-
3392	IPI00116744.1	B3gat3	0.54	1.62	-	-
3393	IPI00762081.1	Rufy3	0.55	-	-	-
3394	IPI00453965.2	Rufy3	0.55	-	-	-
3395	IPI00761269.2	Rufy3	0.55	-	-	-
3396	IPI00856480.1	Nrxn2	0.55	-	-	-
3397	IPI00918148.1	Nrxn2	0.55	0.81	-	-
3398	IPI00467429.4	Nrxn2	0.55	-	-	-
3399	IPI00788451.1	Podxl2	0.55	1.05	-	-
3400	IPI00229420.2	Podxl2	0.55	-	-	-
3401	IPI00111145.7	Uprt	0.55	-	-	-
3402	IPI00225301.1	Hsdl1	0.55	1.17	-	0.47269
3403	IPI00655113.1	Gopc	0.55	1.38	-	-
3404	IPI00221745.1	Gopc	0.55	-	-	-
3405	IPI00112129.1	Gatm	0.56	1.67	-	-
3406	IPI00881118.1	Ciapin1	0.56	0.98	-	-
3407	IPI00187301.1	Ciapin1	0.56	-	-	-
3408	IPI00881250.1	Ciapin1	0.56	-	-	-
3409	IPI00113746.3	U2af2	0.56	1.24	-	-
3410	IPI00172092.1	Zdhhc3	0.56	-	-	-
3411	IPI00133612.1	Ttc35	0.56	1.09	-	0.7881
3412	IPI00845683.1	Nav1	0.56	-	-	-
3413	IPI00169851.4	Ablim1	0.56	-	-	-
3414	IPI00874916.1	Lrrc8b	0.57	0.83	-	0.54447
3415	IPI00458354.4	Lrrc8b	0.57	-	-	-
3416	IPI00923108.1		0.58	-	-	-
3417	IPI00111931.1	Arfgap3	0.58	1.72	-	-
3418	IPI00322631.3	Gpaa1	0.58	-	-	-
3419	IPI00132147.1	Mrps16	0.59	0.87	-	-
3420	IPI00224784.4	Ptma	0.60	-	-	-
3421	IPI00406841.1	Gm12504	0.60	0.98	-	-
3422	IPI00848506.1	Gm4617	0.60	-	-	-
3423	IPI00625829.2	Gm4617	0.60	-	-	-
3424	IPI00857642.1	Puf60	0.60	-	-	-
3425	IPI00127174.4	Puf60	0.60	-	-	-
3426	IPI00652919.2	Puf60	0.60	0.86	-	-
3427	IPI00886236.1	Dcakd	0.60	1.05	-	0.85986
3428	IPI00317794.5	Ncl	0.61	1.20	-	0.47039
3429	IPI00120457.1	Fdps	0.61	0.87	-	0.64916

3430	IPI00454008.1	Shmt2	0.61	1.19	-	0.3937
3431	IPI00454042.2	Fam3c	0.61	1.06	-	0.8044
3432	IPI00886126.1	Mllt4	0.61	-	-	-
3433	IPI00377496.5	Car8;LOC676792	0.62	-	-	-
3434	IPI00457626.2	Camkk2	0.62	-	-	-
3435	IPI00404236.1	Camkk2	0.62	1.02	-	-
3436	IPI00874630.1	Camkk2	0.62	-	-	-
3437	IPI00404152.2	Camkk2	0.62	-	-	-
3438	IPI00480493.3	Camkk2	0.62	1.38	-	-
3439	IPI00480226.1	Camkk2	0.62	-	-	-
3440	IPI00462651.1	Commd5	0.62	1.15	-	0.62171
3441	IPI00919258.1	Psmc3	0.62	-	-	-
3442	IPI00649747.2	Slc25a19	0.62	-	-	-
3443	IPI00118826.1	Slc25a19	0.62	-	-	-
3444	IPI00170342.1	Dner	0.62	1.05	-	0.93774
3445	IPI00121627.3	Clptm1	0.62	0.99	-	0.97749
3446	IPI00881758.1	Rps16;Gm10079	0.62	1.16	-	0.31297
3447	IPI00469918.4	Gm10079	0.62	-	-	-
3448	IPI00850220.1	LOC100047501	0.62	1.15	-	-
3449	IPI00856509.1	Mrpl3	0.63	0.98	-	0.83335
3450	IPI00648186.4	Clint1	0.63	1.16	-	-
3451	IPI00473542.1	Psmb5	0.63	-	-	-
3452	IPI00139378.1	Ufm1	0.63	-	-	-
3453	IPI00880407.1	Ufm1	0.63	1.04	-	0.61282
3454	IPI00351206.5	Pgrmc2	0.63	0.96	-	0.83925
3455	IPI00649277.2	Ephb2	0.64	-	-	-
3456	IPI00648802.2	Ephb2	0.64	0.91	-	0.85958
3457	IPI00844710.2	Ephb2	0.64	-	-	-
3458	IPI00108870.2	Ephb2	0.64	-	-	-
3459	IPI00857594.1	Ephb2	0.64	-	-	-
3460	IPI00653324.2	Fam164a	0.64	0.86	-	0.76888
3461	IPI00875923.1	Fam164a	0.64	-	-	-
3462	IPI00222393.2	Fam164a	0.64	-	-	-
3463	IPI00124287.1	Pabpc1	0.64	-	-	-
3464	IPI00331552.4	Pabpc1	0.64	1.14	-	0.49522
3465	IPI00408036.2	Gpsm1	0.64	-	-	-
3466	IPI00751129.1	Gpsm1	0.64	-	-	-
3467	IPI00226536.2	Gpsm1	0.64	-	-	-
3468	IPI00405083.2	Gpsm1	0.64	0.94	-	0.90308
3469	IPI00798498.1	Gpsm1	0.64	-	-	-
3470	IPI00130439.1	Camk1	0.64	1.00	-	-
3471	IPI00124127.1	Sms;Gm14680	0.64	-	-	-
3472	IPI00406424.1	Gm13238	0.64	-	-	-
3473	IPI00911128.1	Cdv3	0.64	-	-	-
3474	IPI00187275.2	Cdv3	0.64	-	-	-
3475	IPI00911127.1	Cdv3	0.64	-	-	-
3476	IPI00227808.3	Cdv3	0.64	1.18	-	0.75774
3477	IPI00379353.2	Gm13146	0.64	-	-	-
3478	IPI00322749.3	Snrpd1	0.65	1.11	-	0.71119
3479	IPI00459374.3	Gm5678	0.65	-	-	-
3480	IPI00380068.3	LOC386400	0.65	-	-	-
3481	IPI00119027.1	Dvl1	0.65	-	-	-

3482	IPI00653693.1	Dvl1	0.65	-	-	-
3483	IPI00654021.1	MacroD2	0.65	0.66	-	-
3484	IPI00122320.3	Cryz1	0.65	-	-	-
3485	IPI00652802.2	Agap1	0.65	1.06	-	0.96735
3486	IPI00226729.1	Agap1	0.65	-	-	-
3487	IPI00874318.1	Vps11	0.66	1.12	-	0.53678
3488	IPI00284925.3	Chchd2	0.66	-	-	-
3489	IPI00857097.1	Scand3	0.66	-	-	-
3490	IPI00407413.2	Scand3	0.66	-	-	-
3491	IPI00227586.1	Lrfn5	0.66	-	-	-
3492	IPI00226604.1	Lrfn5	0.66	-	-	-
3493	IPI00129792.1	Kpna4	0.66	0.80	-	0.47269
3494	IPI00224294.2	Man2a2	0.66	1.47	-	0.65941
3495	IPI00880679.1	Tpm3	0.66	-	-	-
3496	IPI00126000.1	Fkbp3	0.66	1.36	-	0.38642
3497	IPI00848872.1	Gm3879	0.66	-	-	-
3498	IPI00849249.1		0.66	-	-	-
3499	IPI00672455.1	-	0.66	-	-	-
3500	IPI00136683.1	Acot2	0.67	1.41	-	-
3501	IPI00653566.1	Acot2	0.67	1.44	-	0.70155
3502	IPI00457499.5	Gcn11	0.67	1.13	-	-
3503	IPI00895455.1	Rps14	0.67	1.02	-	-
3504	IPI00895514.1	Rps14	0.67	-	-	-
3505	IPI00761566.1	Arrb1	0.67	0.74	-	-
3506	IPI00515622.1	Synrg	0.67	-	-	-
3507	IPI00380008.1	Synrg	0.67	1.63	-	-
3508	IPI00264398.3	Gm15360	0.67	1.01	-	0.97987
3509	IPI00122426.1	Rpl19	0.67	-	-	-
3510	IPI00648315.1	Rpl19	0.67	-	-	-
3511	IPI00271951.5	Pdia4	0.68	1.02	-	0.90208
3512	IPI00110729.1	Chmp5	0.68	0.94	-	0.8719
3513	IPI00856902.1	Fkbp4	0.68	-	-	-
3514	IPI00856205.1	Fkbp4	0.68	-	-	-
3515	IPI00110487.1	2310003C23Rik	0.68	1.44	-	0.66501
3516	IPI00137314.2	Plxna3	0.68	-	-	-
3517	IPI00474783.4	Acaca	0.69	-	-	-
3518	IPI00848443.1	Acaca	0.69	0.85	-	0.63407
3519	IPI00139780.1	Rpl23	0.69	-	-	-
3520	IPI00943422.1	Eif2c1	0.69	0.99	-	-
3521	IPI00221884.1	Nipa1	0.69	1.16	-	0.35843
3522	IPI00658539.1	Ctsa	0.69	1.50	-	0.33373
3523	IPI00137177.1	Ctsa	0.69	-	-	-
3524	IPI00277271.2	BC037034	0.70	-	-	-
3525	IPI00230044.5	Tpm3	0.70	-	-	-
3526	IPI00474756.1	-	0.70	0.79	-	-
3527	IPI00108895.1	Psmc4	0.70	-	-	-
3528	IPI00331327.3	Hars	0.70	0.94	-	0.82896
3529	IPI00116991.1	Hars	0.70	-	-	-
3530	IPI00662501.1		0.70	1.02	-	-
3531	IPI00677111.1	Gm6126	0.70	1.23	-	-
3532	IPI00323130.3	Tceb1;LOC10004!	0.70	-	-	-
3533	IPI00331178.2	C85492	0.70	-	-	-

3534	IPI00785452.1	C85492	0.70	1.08	-	0.60086
3535	IPI00321919.1	Gpr56	0.71	0.80	-	0.6869
3536	IPI00377299.1	Exoc8	0.71	1.04	-	0.89484
3537	IPI00137694.5	Hddc2	0.71	1.67	-	-
3538	IPI00654218.3	Rspry1	0.71	-	-	-
3539	IPI00223590.6	Rspry1	0.71	-	-	-
3540	IPI00136555.1	Yme11l	0.71	0.99	-	0.97719
3541	IPI00226080.5	Rlbp1	0.72	-	-	-
3542	IPI00471256.2	Prkra	0.72	0.94	-	0.87871
3543	IPI00955687.1	Usp10;Galnt2	0.72	-	-	-
3544	IPI00420601.6	Usp10;Galnt2	0.72	-	-	-
3545	IPI00858314.2	Galnt2	0.72	1.57	-	0.47605
3546	IPI00551229.1	Clcn4-2	0.72	1.11	-	0.54174
3547	IPI00331410.2	Clcn4-2	0.72	-	-	-
3548	IPI00127237.1	Pex14	0.72	1.21	-	0.5772
3549	IPI00133024.1	Vta1	0.72	-	-	-
3550	IPI00408001.6	Mdga1	0.73	-	-	-
3551	IPI00761979.2	Mdga1	0.73	-	-	-
3552	IPI00855216.1	Gnal1	0.73	-	-	-
3553	IPI00762316.3	Gnal1	0.73	0.77	-	0.63976
3554	IPI00881493.1	Dclk1	0.73	-	-	-
3555	IPI00115850.2	Idi1;LOC10004471	0.73	0.97	-	0.9111
3556	IPI00466390.1	Tuba3b;Tuba3a	0.73	-	-	-
3557	IPI00463761.1	Syn3	0.73	-	-	-
3558	IPI00875940.3	Syn3	0.73	1.18	-	0.50543
3559	IPI00895273.1	Spns1	0.74	-	-	-
3560	IPI00895524.1	Spns1	0.74	-	-	-
3561	IPI00894875.1	Spns1	0.74	1.25	-	0.66504
3562	IPI00111254.8	Spns1	0.74	-	-	-
3563	IPI00471441.1	Ptms	0.74	-	-	-
3564	IPI00408734.4	Trappc10	0.74	0.99	-	0.98022
3565	IPI00919260.1	D5Wsu178e	0.74	-	-	-
3566	IPI00753965.4	D5Wsu178e	0.74	-	-	-
3567	IPI00229180.3	D5Wsu178e	0.74	-	-	-
3568	IPI00331514.6	Eif5a2	0.74	-	-	-
3569	IPI00762712.2	Shroom2	0.74	0.77	-	-
3570	IPI00463074.6	Shroom2	0.74	-	-	-
3571	IPI00113528.1	Tm9sf3	0.74	1.27	-	-
3572	IPI00311833.6	Uba5	0.74	0.77	-	0.50817
3573	IPI00881004.1	Uba5	0.74	-	-	-
3574	IPI00464104.3	Tsc22d1	0.75	-	-	-
3575	IPI00420803.4	Tsc22d1	0.75	0.75	-	-
3576	IPI00458074.3	Dnajc13	0.75	-	-	-
3577	IPI00928532.1	Eif3f	0.75	1.10	-	0.49823
3578	IPI00856500.2	Dctn1	0.75	-	-	-
3579	IPI00858004.1	Dctn1	0.75	-	-	-
3580	IPI00881788.1	Ipo4	0.75	1.10	-	0.49165
3581	IPI00165857.5	Pcdh10	0.75	-	-	-
3582	IPI00761938.2	Cntn2	0.75	-	-	-
3583	IPI00785288.1	Cpne7	0.75	0.92	-	-
3584	IPI00420726.3	Rps9	0.75	1.17	-	0.5062
3585	IPI00556853.1	Tmed10	0.75	-	-	-

3586	IPI00856794.1	Dync1i1	0.75	-	-	-
3587	IPI00229895.1	Disp2	0.75	1.40	-	0.68765
3588	IPI00135186.1	Calu	0.75	-	-	-
3589	IPI00308333.3	Klraq1	0.76	-	-	-
3590	IPI00845604.2	Klraq1	0.76	1.18	-	0.59034
3591	IPI00469253.6	Rftn1	0.76	1.42	-	-
3592	IPI00464115.1	Tnpo3	0.76	1.03	-	0.9364
3593	IPI00464114.1	Tnpo3	0.76	-	-	-
3594	IPI00608095.1	Scg2	0.77	-	-	-
3595	IPI00222107.6	Frmd4a	0.77	-	-	-
3596	IPI00465706.2	Frmd4a	0.77	-	-	-
3597	IPI00453819.2	Lars	0.77	1.49	-	0.37683
3598	IPI00848632.1	Pcdh10	0.77	-	-	-
3599	IPI00850705.1	Pcdh10	0.77	-	-	-
3600	IPI00849380.1	Pcdh10	0.77	-	-	-
3601	IPI00110827.1	Acta1	0.77	-	-	-
3602	IPI00761959.1	Sco1	0.77	0.87	-	0.47039
3603	IPI00515530.5	Sco1	0.77	-	-	-
3604	IPI00131084.3	Dync1i1	0.78	-	-	-
3605	IPI00113239.1	Tmem55a	0.78	1.60	-	0.62108
3606	IPI00875102.1	Sh2b1	0.78	-	-	-
3607	IPI00889278.1	Sh2b1	0.78	-	-	-
3608	IPI00315068.1	Sh2b1	0.78	-	-	-
3609	IPI00284016.4	Sh2b1	0.78	1.04	-	-
3610	IPI00283476.7	Sh2b1	0.78	-	-	-
3611	IPI00116718.1	Gm10145	0.78	-	-	-
3612	IPI00187430.3	Rab2b	0.79	0.97	-	-
3613	IPI00120318.7	Grik3	0.79	1.06	-	0.96735
3614	IPI00125348.2	Mprrip	0.79	-	-	-
3615	IPI00399575.3	Mprrip	0.79	0.95	-	-
3616	IPI00720036.1	Mprrip	0.79	-	-	-
3617	IPI00720060.1	Mprrip	0.79	-	-	-
3618	IPI00874680.1	Nln	0.79	1.06	-	0.83925
3619	IPI00742383.1	LOC100048062	0.79	-	-	-
3620	IPI00230623.8	Rpl32	0.80	1.08	-	0.76814
3621	IPI00319273.1	Rwdd1	0.80	-	-	-
3622	IPI00132659.1	Rwdd1	0.80	-	-	-
3623	IPI00311329.1	Kpna1	0.80	-	-	-
3624	IPI00127351.2	Fam173a	0.80	-	-	-
3625	IPI00469351.3	Gm4130	0.80	1.24	-	0.3547
3626	IPI00755729.1	LOC100047113	0.80	-	-	-
3627	IPI00310247.7	Ank	0.80	1.25	-	0.37683
3628	IPI00751050.2	Gm6030	0.80	-	-	-
3629	IPI00462507.1	Cndp2	0.81	0.96	-	-
3630	IPI00314513.1	Tmem205	0.81	1.15	-	-
3631	IPI00221739.1	Thns1	0.81	0.87	-	0.49522
3632	IPI00137194.1	Slc16a1	0.81	0.81	-	0.47039
3633	IPI00110208.1	2310011J03Rik	0.81	-	-	-
3634	IPI00131086.1	Dync1i2	0.81	-	-	-
3635	IPI00775798.1	Dync1i2	0.81	-	-	-
3636	IPI00153743.1	Sfrs7	0.81	-	-	-
3637	IPI00129323.1	Sfrs3	0.81	-	-	-

3638	IPI00346575.3	Gm7083	0.81	-	-	-
3639	IPI00474970.2	LOC100047744;G	0.81	-	-	-
3640	IPI00474169.2	Sfrs7	0.81	-	-	-
3641	IPI00474158.4	Sfrs7	0.81	-	-	-
3642	IPI00649438.1	Gm12355	0.81	1.07	-	0.44201
3643	IPI00222763.1	Sfrs7	0.81	0.91	-	0.73026
3644	IPI00221826.1	Sfrs3	0.81	1.03	-	-
3645	IPI00131888.1	Mcts2	0.81	-	-	-
3646	IPI00128880.3	Ipo4	0.82	-	-	-
3647	IPI00132474.3	Itgb1	0.82	1.13	-	0.49522
3648	IPI00955720.1	Kctd12	0.82	1.07	-	-
3649	IPI00845611.1	Tcp1	0.82	-	-	-
3650	IPI00137792.1	Smpd1	0.83	0.96	-	0.84581
3651	IPI00849652.6	LOC100045527;Rl	0.83	-	-	-
3652	IPI00626233.3	Gm10164	0.83	-	-	-
3653	IPI00468667.4	Gm10268	0.83	0.96	-	0.9326
3654	IPI00761421.2	Gm10362	0.83	-	-	-
3655	IPI00453768.4	Rpl17	0.83	-	-	-
3656	IPI00114332.5	Rps6ka1	0.83	-	-	-
3657	IPI00648998.3	Rps6ka1	0.83	0.81	-	-
3658	IPI00130766.1	Prrt1	0.83	2.40	-	-
3659	IPI00938514.1	Pik3r2	0.83	-	-	-
3660	IPI00117159.1	Pik3r2	0.83	-	-	-
3661	IPI00405397.2	Ube4a	0.83	-	-	-
3662	IPI00467045.3	Ube4a	0.83	1.14	-	-
3663	IPI00126548.2	Agpat1	0.83	0.94	-	0.83082
3664	IPI00421012.1	Fam134a	0.83	-	-	-
3665	IPI00607951.1	Fam134a	0.83	-	-	-
3666	IPI00607924.1	Fam134a	0.83	0.98	-	-
3667	IPI00755990.1	-	0.83	-	-	-
3668	IPI00153241.1	Vps37c	0.83	-	-	-
3669	IPI00128134.2	Cyth2	0.84	-	-	-
3670	IPI00227247.1	Cyth2	0.84	0.90	-	0.78265
3671	IPI00856998.1	Cyth2	0.84	-	-	-
3672	IPI00856636.1	Cyth2	0.84	-	-	-
3673	IPI00856914.3	Cyth2	0.84	-	-	-
3674	IPI00387504.1	Mpdu1	0.84	1.14	-	0.45837
3675	IPI00758361.1	LOC100048170	0.84	-	-	-
3676	IPI00331563.2	Mpdu1	0.84	-	-	-
3677	IPI00553379.3	Mpdu1	0.84	-	-	-
3678	IPI00553623.1	Mpdu1	0.84	-	-	-
3679	IPI00129632.1	Pcdhga9;Pcdhga1	0.84	-	-	-
3680	IPI00129680.1	Pcdhga12;Pcdhga	0.84	-	-	-
3681	IPI00129686.1	Pcdhga11;Pcdhga	0.84	-	-	-
3682	IPI00129675.2	Pcdhga4	0.84	-	-	-
3683	IPI00918586.1	Ccdc6	0.84	-	-	-
3684	IPI00918344.1	Ccdc6	0.84	-	-	-
3685	IPI00381495.5	Ccdc6	0.84	-	-	-
3686	IPI00473320.2	Actb	0.84	-	-	-
3687	IPI00776346.3	Kalrn	0.84	-	-	-
3688	IPI00133985.1	Ruvbl1	0.84	-	-	-
3689	IPI00856593.1	Ruvbl1	0.84	0.94	-	0.90811

3690	IPI00407835.2	Ubap2l	0.84	-	-	-
3691	IPI00761937.1	Ubap2l	0.84	0.98	-	0.97289
3692	IPI00272033.3	Hist2h2ab;Hist2h	0.84	-	-	-
3693	IPI00330000.4	Hist2h2aa1;Hist2l	0.84	0.99	-	0.9617
3694	IPI00122568.3	Arhgdib	0.84	0.96	-	0.88143
3695	IPI00755623.3	-	0.85	-	-	-
3696	IPI00853914.1	LOC100045191	0.85	-	-	-
3697	IPI00890022.2	Hnrnpa2b1	0.85	-	-	-
3698	IPI00828488.1	Hnrnpa2b1	0.85	-	-	-
3699	IPI00622847.2	Hnrnpa2b1	0.85	1.02	-	0.90591
3700	IPI00405058.6	Hnrnpa2b1	0.85	-	-	-
3701	IPI00380894.4	Shisa6	0.85	50.19	-	-
3702	IPI00874655.1	Cox15	0.85	-	-	-
3703	IPI00222203.1	Cox15	0.85	-	-	-
3704	IPI00267596.1	Cox15	0.85	1.13	-	0.79606
3705	IPI00408218.1	Zyx	0.85	0.61	-	-
3706	IPI00387422.3	Zyx	0.85	-	-	-
3707	IPI00228360.3	Zyx	0.85	-	-	-
3708	IPI00467599.1	9-Sep	0.85	-	-	-
3709	IPI00930841.1	Megf8	0.85	0.87	-	-
3710	IPI00320687.2	Adrbk1	0.85	-	-	-
3711	IPI00469231.1	Adrbk1	0.85	0.87	-	-
3712	IPI00114593.1	Actc1	0.85	-	-	-
3713	IPI00662007.3	Exoc6b	0.85	1.03	-	0.88143
3714	IPI00109354.2	Sars2	0.86	-	-	-
3715	IPI00222180.8	Vars2	0.86	1.04	-	0.93586
3716	IPI00654091.2	Acsf3	0.86	-	-	-
3717	IPI00626994.3	Ipo5	0.86	0.80	-	0.38642
3718	IPI00409936.1	Ipo5	0.86	-	-	-
3719	IPI00875233.1	Ctnnd2	0.86	-	-	-
3720	IPI00875350.1	Ctnnd2	0.86	-	-	-
3721	IPI00856823.1	Pcyox1	0.87	-	-	-
3722	IPI00330857.5	Sec63	0.87	1.15	-	0.49522
3723	IPI00831446.1	Trim46	0.87	1.44	-	0.76888
3724	IPI00378619.1	Trim46	0.87	-	-	-
3725	IPI00876204.1	Ctsa	0.87	-	-	-
3726	IPI00751338.1	Ctsa	0.87	-	-	-
3727	IPI00135598.1	Kcnd1	0.87	-	-	-
3728	IPI00885547.1	Tmed2	0.87	1.26	-	-
3729	IPI00127983.1	Tmed2;Gm10698	0.87	-	-	-
3730	IPI00858230.1	Comt1	0.87	-	-	-
3731	IPI00132076.1	Comt1	0.87	-	-	-
3732	IPI00759876.2	Comt1	0.87	1.02	-	0.95332
3733	IPI00622375.2	Ubap2l	0.87	1.18	-	-
3734	IPI00761299.1	Ubap2l	0.87	-	-	-
3735	IPI00889845.1	Ubap2l	0.87	-	-	-
3736	IPI00889927.2	Ubap2l	0.87	-	-	-
3737	IPI00761172.1	Ubap2l	0.87	-	-	-
3738	IPI00108883.3	Fam108b	0.88	0.98	-	0.94699
3739	IPI00221411.1	Ppp2r2c	0.88	0.75	-	-
3740	IPI00553826.3	Rpl30	0.88	-	-	-
3741	IPI00853800.1	LOC100048165	0.88	-	-	-

3742	IPI00760095.2	Xpo7	0.88	0.94	-	0.76194
3743	IPI00849118.1	LOC100048165	0.88	-	-	-
3744	IPI00110049.5	Xpo7	0.88	-	-	-
3745	IPI00850842.1	LOC100048165	0.88	-	-	-
3746	IPI00330169.10	A830010M20Rik	0.88	1.88	-	-
3747	IPI00221694.1	Bola2	0.88	-	-	-
3748	IPI00656269.1	Ywhaq	0.88	0.94	-	0.77883
3749	IPI00408378.4	Ywhaq	0.88	-	-	-
3750	IPI00170032.1	Rab15	0.88	-	-	-
3751	IPI00622236.4	Rab15	0.88	-	-	-
3752	IPI00884469.1	Rab15	0.88	-	-	-
3753	IPI00131224.1	Tceb2	0.88	0.94	-	0.86978
3754	IPI00648755.1	Akap2;Palm2;Palr	0.88	0.52	-	0.51088
3755	IPI00115097.1	Copb2	0.88	1.34	-	0.31297
3756	IPI00457799.1	Rufy3	0.88	-	-	-
3757	IPI00109791.3	Cygb	0.88	0.74	-	0.3547
3758	IPI00753560.1	Gpsm1	0.89	-	-	-
3759	IPI00468396.3	Rasa3	0.89	-	-	-
3760	IPI00816935.4	Rasa3	0.89	0.98	-	0.94207
3761	IPI00229543.3	Hist1h2af	0.89	-	-	-
3762	IPI00229542.1	Hist1h2aa	0.89	-	-	-
3763	IPI00221463.3	Hist3h2a	0.89	1.15	-	-
3764	IPI00265761.6	Hist1h2an;Hist1h	0.89	-	-	-
3765	IPI00229545.3	Hist1h2ak	0.89	-	-	-
3766	IPI00229544.3	Hist1h2ah	0.89	-	-	-
3767	IPI00153400.2	H2afj	0.89	-	-	-
3768	IPI00461800.1	Gm5469	0.89	-	-	-
3769	IPI00750428.2	Gm11847	0.89	-	-	-
3770	IPI00757273.2	LOC630401	0.89	-	-	-
3771	IPI00670681.1	Gm5469	0.89	-	-	-
3772	IPI00659723.1	LOC630401	0.89	-	-	-
3773	IPI00459722.2	Hnrnpa3	0.89	-	-	-
3774	IPI00678360.3	-	0.89	-	-	-
3775	IPI00466185.4	-	0.89	-	-	-
3776	IPI00667787.1	Gm11847	0.89	-	-	-
3777	IPI00670004.1	Gm6793	0.89	-	-	-
3778	IPI00749630.1	Gm9242	0.89	-	-	-
3779	IPI00849731.1	-	0.89	-	-	-
3780	IPI00269662.1	Hnrnpa3	0.89	1.33	-	0.39089
3781	IPI00663550.1	LOC630401	0.89	-	-	-
3782	IPI00269661.1	Hnrnpa3	0.89	-	-	-
3783	IPI00849556.1	Gm5469	0.89	-	-	-
3784	IPI00750059.2	Gm9242	0.89	-	-	-
3785	IPI00677689.3	Gm11847	0.89	-	-	-
3786	IPI00752179.2	Gm9242	0.89	-	-	-
3787	IPI00674712.1	Gm6793	0.89	-	-	-
3788	IPI00170213.1	Abhd11	0.89	1.11	-	-
3789	IPI00162942.1	Mrpl37	0.89	1.22	-	0.47039
3790	IPI00895319.1	2810422J05Rik	0.89	-	-	-
3791	IPI00118676.3	Eif4a1	0.89	1.18	-	0.31297
3792	IPI00230422.6	Bcap31	0.89	-	-	-
3793	IPI00828225.1	Bcap31	0.89	0.88	-	0.78569

3794	IPI00331631.1	LOC100045432;Si	0.90	1.11	-	0.75774
3795	IPI00108041.1	Stim1	0.90	-	-	-
3796	IPI00620701.2	Rabggta	0.90	1.33	-	-
3797	IPI00474751.1	Rabggta	0.90	-	-	-
3798	IPI00271905.2	Rabggta	0.90	-	-	-
3799	IPI00849492.1	LOC100044742	0.90	-	-	-
3800	IPI00480406.1	Actc1	0.90	-	-	-
3801	IPI00225288.3	Ccdc90b	0.90	-	-	-
3802	IPI00153369.1	C630004H02Rik	0.90	-	-	-
3803	IPI00607902.1	C630004H02Rik	0.90	1.31	-	-
3804	IPI00751759.1	Ptbp2	0.90	1.18	-	0.76538
3805	IPI00136002.1	Ptbp2	0.90	-	-	-
3806	IPI00123712.1	Timm23	0.90	-	-	-
3807	IPI00849271.1	Gm10273;Gm102	0.90	1.09	-	0.78252
3808	IPI00230482.2	Tsc2	0.90	-	-	-
3809	IPI00468568.3	Tsc2	0.90	-	-	-
3810	IPI00133444.1	Aktip	0.90	-	-	-
3811	IPI00938437.1	Akr7a5	0.90	0.96	-	0.75458
3812	IPI00331490.5	Akr7a5	0.90	-	-	-
3813	IPI00126796.3	Slc27a4	0.90	1.18	-	0.35843
3814	IPI00121736.1	Pdcd6	0.91	0.88	-	-
3815	IPI00620969.2	Tsc2	0.91	-	-	-
3816	IPI00230479.3	Tsc2	0.91	-	-	-
3817	IPI00875520.1	Tsc2	0.91	-	-	-
3818	IPI00230481.3	Tsc2	0.91	-	-	-
3819	IPI00230480.1	Tsc2	0.91	0.86	-	0.45615
3820	IPI00473408.1	Ppp2r5d	0.91	-	-	-
3821	IPI00229893.1	Mark4	0.91	0.86	-	-
3822	IPI00856994.1	Dguok	0.92	1.26	-	-
3823	IPI00224955.2	Dguok	0.92	0.70	-	-
3824	IPI00622704.3	2310035C23Rik	0.92	1.03	-	0.96546
3825	IPI00228693.4	2310035C23Rik	0.92	-	-	-
3826	IPI00466258.2	Sh3kbp1	0.92	-	-	-
3827	IPI00312101.1	Sh3kbp1	0.92	0.46	-	-
3828	IPI00406812.2	Sh3kbp1	0.92	-	-	-
3829	IPI00453996.1	Myh14	0.92	-	-	-
3830	IPI00900442.1	Myh14	0.92	-	-	-
3831	IPI00608077.3	Myh14	0.92	0.87	-	0.71877
3832	IPI00751207.1	Ctnnd1	0.92	-	-	-
3833	IPI00676225.2	Ctnnd1	0.92	-	-	-
3834	IPI00754980.1	Ctnnd1	0.92	-	-	-
3835	IPI00658280.1	Ctnnd1	0.92	-	-	-
3836	IPI00132218.3	Ostc	0.92	1.09	-	0.6685
3837	IPI00885539.1	Actl6b	0.92	-	-	-
3838	IPI00831560.1	Actl6b	0.92	-	-	-
3839	IPI00117981.1	Actl6b	0.92	-	-	-
3840	IPI00109253.1	2900064A13Rik	0.93	1.12	-	0.59994
3841	IPI00652882.2	1110014N23Rik	0.93	1.00	-	1
3842	IPI00138892.2	2810422J05Rik;G	0.93	-	-	-
3843	IPI00758106.1	Gm7808	0.93	-	-	-
3844	IPI00849074.1	Gm3511;LOC100	0.93	-	-	-
3845	IPI00137736.1	Rps28;Gm10443	0.93	-	-	-

3846	IPI00719947.2	Gm16417	0.93	-	-	-
3847	IPI00458881.2	Gm10161;LOC100	0.93	1.07	-	-
3848	IPI00323683.2	Efnb2	0.93	-	-	-
3849	IPI00762720.1	Efnb2	0.93	0.68	-	-
3850	IPI00122399.1	Glg1	0.93	1.07	-	0.74518
3851	IPI00331579.1	Syngr3	0.93	1.12	-	0.61079
3852	IPI00458002.1	Atxn2l	0.94	-	-	-
3853	IPI00458001.1	Atxn2l	0.94	1.01	-	0.98022
3854	IPI00169500.3	Atxn2l	0.94	-	-	-
3855	IPI00267855.4	Gripap1	0.94	-	-	-
3856	IPI00127560.1	Ttr	0.94	-	-	-
3857	IPI00751569.3	Dnajc5	0.94	-	-	-
3858	IPI00848685.1	LOC100048021	0.94	1.02	-	-
3859	IPI00230191.5	Gna12	0.94	-	-	-
3860	IPI00352788.1	Fam171a1	0.94	-	-	-
3861	IPI00755730.3	Fam171a1	0.94	-	-	-
3862	IPI00473258.3	Fam171a1	0.94	1.03	-	-
3863	IPI00828495.3	Rab9	0.94	1.01	-	0.98677
3864	IPI00127820.1	Rab9	0.94	-	-	-
3865	IPI00108844.1	M6pr	0.95	1.27	-	0.35843
3866	IPI00130045.1	Plcb1	0.95	-	-	-
3867	IPI00929797.1	Eif4a1	0.95	-	-	-
3868	IPI00225267.6	2310022B05Rik	0.95	0.89	-	0.83925
3869	IPI00110885.2	Cyb5r3	0.95	-	-	-
3870	IPI00649604.1	Capzb	0.95	-	-	-
3871	IPI00776265.1	Capzb	0.95	-	-	-
3872	IPI00227186.4	Adhfe1	0.96	-	-	-
3873	IPI00608106.1	Numb1	0.96	0.63	-	-
3874	IPI00187271.4	Rragd	0.96	-	-	-
3875	IPI00649297.1	Rragd	0.96	-	-	-
3876	IPI00648747.1	Rragd	0.96	-	-	-
3877	IPI00468702.1	Rragc	0.96	0.90	-	0.70019
3878	IPI00221814.4	6530401N04Rik	0.96	-	-	-
3879	IPI00798442.1	6530401N04Rik	0.96	-	-	-
3880	IPI00115065.1	Serpine2	0.96	0.95	-	0.86978
3881	IPI00856490.1	Psmd8	0.97	1.00	-	0.99153
3882	IPI00831568.1	L1cam	0.97	0.94	-	-
3883	IPI00153862.2	Sult4a1	0.97	-	-	-
3884	IPI00228515.1	Sult4a1	0.97	0.96	-	0.76538
3885	IPI00387494.1	Hspa2	0.97	1.01	-	0.91929
3886	IPI00750677.1	Fam125b	0.97	-	-	-
3887	IPI00469426.6	Ptprj	0.97	0.76	-	0.49522
3888	IPI00406609.2	Ptprj	0.97	-	-	-
3889	IPI00229030.1	Nos1	0.97	-	-	-
3890	IPI00129191.1	Nos1	0.97	-	-	-
3891	IPI00229026.1	Nos1	0.97	1.03	-	0.94277
3892	IPI00775775.1	Gripap1	0.97	-	-	-
3893	IPI00775865.1	Gripap1	0.97	-	-	-
3894	contaminant_GR78_MESAU		0.97	-	-	-
3895	IPI00831240.1	Pdpk1	0.98	-	-	-
3896	IPI00402981.2	Rps24	0.98	-	-	-
3897	IPI00753456.1	Rps24	0.98	-	-	-

3898	IPI00465568.5	Rps24;LOC67711:	0.98	1.12	-	0.3878
3899	IPI00469332.2	Nedd4l	0.98	0.79	-	-
3900	IPI00649115.1	Nedd4l	0.98	-	-	-
3901	IPI00125931.1	Cstb	0.98	-	-	-
3902	IPI00153201.1	Gga1	0.98	-	-	-
3903	IPI00319131.4	Pex19	0.98	0.96	-	-
3904	IPI00875553.1	Dip2c	0.98	0.79	-	0.38315
3905	IPI00853927.1	LOC100044338	0.98	-	-	-
3906	IPI00111556.1	Ppp2cb	0.98	-	-	-
3907	contaminant_UBIQUITIN08		0.98	-	-	-
3908	IPI00923037.2	Ubb;Rps27a;Ubc	0.98	-	-	-
3909	IPI00923013.1	Ubb;Rps27a;Ubc	0.98	-	-	-
3910	IPI00755916.3	Ubb;Rps27a;Ubc	0.98	-	-	-
3911	IPI00918763.1	2810422J05Rik	0.98	-	-	-
3912	IPI00139518.3	Ubb;Rps27a;Ubc	0.98	0.93	-	0.80952
3913	IPI00923082.1	Gm1821	0.98	-	-	-
3914	IPI00750889.3	Ubb;Rps27a;Ubc;	0.98	-	-	-
3915	IPI00407540.1	Ube2i	0.98	2.54	-	0.78569
3916	IPI00850259.1	Gm14176	0.98	-	-	-
3917	IPI00119227.1	LOC100044900;U	0.98	-	-	-
3918	IPI00475301.2	LOC100045388	0.98	-	-	-
3919	IPI00808443.2	AU042671	0.99	-	-	-
3920	IPI00342766.9	Hp1bp3	0.99	-	-	-
3921	IPI00896020.1	Hp1bp3	0.99	-	-	-
3922	IPI00761756.1	Ube3a	0.99	-	-	-
3923	IPI00115595.1	Ube3a	0.99	-	-	-
3924	IPI00121758.1	Tardbp	0.99	1.08	-	0.81614
3925	IPI00421253.1	Ganab	0.99	-	-	-
3926	IPI00126131.3	Extl3	0.99	-	-	-
3927	IPI00515195.2	Eif4g1	0.99	1.09	-	0.55514
3928	IPI00405840.4	Sema6a	0.99	-	-	-
3929	IPI00474378.4	Sema6a	0.99	-	-	-
3930	IPI00270823.2	Sema6a	0.99	-	-	-
3931	IPI00480518.1	Sema6a	0.99	-	-	-
3932	IPI00775844.1	Arpc2	0.99	1.05	-	-
3933	IPI00119136.1	Fam158a	1.00	1.21	-	-
3934	IPI00118875.5	Eef1d	1.00	-	-	-
3935	IPI00831202.2	Eef1d	1.00	-	-	-
3936	IPI00928390.1	Eef1d	1.00	-	-	-
3937	IPI00515654.2	Eef1d	1.00	-	-	-
3938	IPI00857292.1	Nucb1	1.00	-	-	-
3939	IPI00331413.1	Itga6	1.00	2.01	-	0.77322
3940	IPI00130992.1	Capns1	1.00	-	-	-
3941	IPI00620873.3	Itga6	1.00	-	-	-
3942	IPI00136310.1	Mrpl23;Gm13671	1.00	1.34	-	0.45615
3943	IPI00831167.1	Rab9	1.00	-	-	-
3944	IPI00857233.1	Gmfb	1.01	0.79	-	-
3945	IPI00165849.3	Isoc1	1.01	1.02	-	0.91639
3946	IPI00750595.2	Myl9	1.01	-	-	-
3947	IPI00133193.3	Gadd45gip1	1.01	3.54	-	-
3948	IPI00648670.1	9-Sep	1.01	-	-	-
3949	IPI00830290.1	Ptk2b	1.01	0.77	-	-

3950	IPI00896613.1	Nudt19	1.01	-	-	-
3951	IPI00118502.1	Nudt19	1.01	-	-	-
3952	IPI00850543.1	Mff	1.01	-	-	-
3953	IPI00751009.1	Srpk2	1.01	1.22	-	0.41351
3954	IPI00330551.2	Ndufaf2	1.02	0.99	-	0.98915
3955	IPI00137601.2	Taco1	1.02	0.97	-	0.93586
3956	IPI00626501.3	Kif1a	1.02	1.07	-	-
3957	IPI00230631.5	Grk6	1.02	-	-	-
3958	IPI00467856.4	Grk6	1.02	1.28	-	-
3959	IPI00875987.1	Grk6	1.02	-	-	-
3960	IPI00404369.2	Fam73a	1.02	1.14	-	0.70688
3961	IPI00225194.4	Fam73a	1.02	-	-	-
3962	IPI00648443.1	Fam54b	1.02	-	-	-
3963	IPI00881233.1	Fam54b	1.02	-	-	-
3964	IPI00458939.5	Fam54b	1.02	-	-	-
3965	IPI00648686.1	Fam54b	1.02	-	-	-
3966	IPI00955120.1	Usp19	1.02	-	-	-
3967	IPI00420483.4	Usp19	1.02	-	-	-
3968	IPI00955070.1	Usp19	1.02	-	-	-
3969	IPI00955090.1	Usp19	1.02	-	-	-
3970	IPI00457619.2	Usp19	1.02	1.10	-	-
3971	IPI00885941.1	Tfg	1.03	0.86	-	-
3972	IPI00133361.2	Mrpl52	1.03	-	-	-
3973	IPI00850839.1	LOC100045019	1.03	-	-	-
3974	IPI00474873.3	Lrrc16a	1.03	0.69	-	-
3975	IPI00460032.3	Lrrc16a	1.03	-	-	-
3976	IPI00406030.2	Mprrip	1.03	3.33	-	-
3977	IPI00649483.1	Elac2	1.03	-	-	-
3978	IPI00400402.1	Elac2	1.03	-	-	-
3979	IPI00400401.1	Elac2	1.03	-	-	-
3980	IPI00623214.2	Pitpnb	1.03	1.06	-	0.91146
3981	IPI00229523.9	Pitpnb	1.03	-	-	-
3982	IPI00420170.1	Agfg1	1.03	-	-	-
3983	IPI00227199.1	Atl2	1.03	1.06	-	0.6528
3984	IPI00461142.2	Atl2	1.03	1.01	-	-
3985	IPI00122175.1	Tmem9b	1.03	-	-	-
3986	IPI00785314.1	Mog	1.04	1.07	-	0.54447
3987	IPI00126405.3	Mog	1.04	-	-	-
3988	contaminant_UBIQUITIN11		1.04	-	-	-
3989	IPI00762254.2	Usp8	1.04	-	-	-
3990	IPI00750601.1	Usp8	1.04	-	-	-
3991	IPI00171977.3	Usp8	1.04	-	-	-
3992	IPI00828763.2	Pdpk1	1.04	-	-	-
3993	IPI00831328.1	Pdpk1	1.04	-	-	-
3994	IPI00323609.3	Pdpk1	1.04	-	-	-
3995	IPI00831145.1	Pdpk1	1.04	0.83	-	-
3996	IPI00775881.1	Kctd12	1.04	-	-	-
3997	IPI00323349.2	Tjp2	1.04	0.67	-	0.31297
3998	IPI00474125.3	Atl2	1.04	1.19	-	-
3999	IPI00404595.3	Lrrc8c	1.04	1.06	-	0.97801
4000	IPI00411102.3	Prps2	1.04	1.16	-	-
4001	IPI00955680.1	Prps11	1.04	-	-	-

4002	IPI00844691.1	Limch1	1.05	-	-	-
4003	IPI00853814.1	Limch1	1.05	0.74	-	0.37683
4004	IPI00881525.1	Limch1	1.05	-	-	-
4005	IPI00881284.1	Limch1	1.05	-	-	-
4006	IPI00881328.1	Limch1	1.05	-	-	-
4007	IPI00121013.1	Pea15a	1.05	-	-	-
4008	IPI00830525.1	Pea15a	1.05	0.87	-	0.50346
4009	IPI00858299.1	Abhd11	1.05	0.92	-	0.77811
4010	IPI00128201.1	Spryd4	1.05	0.95	-	0.85039
4011	IPI00954603.1	1110057K04Rik	1.05	1.08	-	-
4012	IPI00222753.1	Mterfd3	1.05	0.92	-	0.88962
4013	IPI00406419.4	Pepd	1.05	-	-	-
4014	IPI00874597.1	Pepd	1.05	0.96	-	0.76381
4015	IPI00318204.5	Prps1	1.05	-	-	-
4016	IPI00676841.1	Gm5081	1.05	-	-	-
4017	IPI00554868.2	Prps1	1.05	2.42	-	0.6995
4018	IPI00654144.1	Prps1	1.05	-	-	-
4019	IPI00653091.1	Prps1	1.05	-	-	-
4020	IPI00222125.1	Comtd1	1.05	0.86	-	0.45615
4021	IPI00135311.2	Mrpl19	1.05	1.11	-	0.73026
4022	IPI00880727.1	Aig1	1.05	-	-	-
4023	IPI00111314.1	Aig1	1.05	-	-	-
4024	IPI00515716.1	Aig1	1.05	0.77	-	-
4025	IPI00756092.1	Magi2	1.06	-	-	-
4026	IPI00650038.2	Sort1	1.06	1.02	-	0.94858
4027	IPI00420955.5	Sort1	1.06	-	-	-
4028	IPI00124501.1	1110067D22Rik	1.06	0.99	-	0.98022
4029	IPI00130530.1	Grhpr	1.06	0.97	-	0.93505
4030	IPI00134792.1	Mccc2	1.06	-	-	-
4031	IPI00331244.4	Ccdc22	1.06	1.25	-	0.57795
4032	IPI00622364.4	Snx1	1.06	0.94	-	-
4033	IPI00775828.1	Vps26b	1.06	-	-	-
4034	IPI00653120.3	Map2k2	1.06	-	-	-
4035	IPI00831515.3	Bat2l2	1.07	-	-	-
4036	IPI00903422.1	Bat2l2	1.07	-	-	-
4037	IPI00659535.3	Bat2l2	1.07	1.04	-	0.92141
4038	IPI00330171.7	Bat2l2	1.07	-	-	-
4039	IPI00830443.1	Clpb	1.07	1.61	-	0.35843
4040	IPI00875492.1	Gpc4	1.07	0.70	-	0.35843
4041	IPI00312407.1	Gpc4	1.07	-	-	-
4042	IPI00120166.1	Slc30a1	1.07	1.05	-	-
4043	IPI00761714.2	Csmd2	1.07	-	-	-
4044	IPI00623776.3	LOC674678	1.07	-	-	-
4045	IPI00844736.1	-	1.07	-	-	-
4046	IPI00329998.3	-	1.07	-	-	-
4047	IPI00407339.7	Hist1h4c;Hist1h4i	1.07	0.93	-	0.73026
4048	IPI00874920.1	-	1.07	-	-	-
4049	IPI00876005.1	-	1.07	-	-	-
4050	IPI00621374.1	-	1.07	-	-	-
4051	IPI00621789.1	-	1.07	-	-	-
4052	IPI00624840.2	-	1.07	-	-	-
4053	IPI00624933.1	-	1.07	-	-	-

4054	IPI00850570.1	LOC100047957	1.08	-	-	-
4055	IPI00261542.1	Fam168a	1.08	-	-	-
4056	IPI00283461.4	Fam168a	1.08	-	-	-
4057	IPI00223360.1	Mrps18b	1.08	-	-	-
4058	IPI00895392.1	Tfam	1.08	-	-	-
4059	IPI00464208.3	Atad3a	1.08	-	-	-
4060	IPI00850525.1	Upf1	1.08	1.17	-	0.35843
4061	IPI00420949.3	Upf1	1.08	-	-	-
4062	IPI00753748.1	Pofut1	1.09	-	-	-
4063	IPI00131488.3	Pofut1	1.09	-	-	-
4064	IPI00554907.2	Pofut1	1.09	-	-	-
4065	IPI00652221.1	Pofut1	1.09	-	-	-
4066	IPI00378120.2	Glrx5	1.09	1.33	-	-
4067	IPI00457661.5	Psm5d5	1.09	1.00	-	0.96857
4068	IPI00172189.1	Cpne2	1.09	-	-	-
4069	IPI00856899.1	Cpne2	1.09	1.08	-	0.78569
4070	IPI00282360.1	Gm88	1.09	0.51	-	0.6869
4071	IPI00551400.2	Brsk2	1.09	0.93	-	0.75374
4072	IPI00133553.1	Mut	1.09	-	-	-
4073	IPI00850737.1	Mut	1.09	1.23	-	0.35616
4074	IPI00315187.5	2400001E08Rik	1.09	1.29	-	0.35843
4075	IPI00650050.1	Rundc3a	1.10	-	-	-
4076	IPI00649764.1	Rundc3a	1.10	-	-	-
4077	IPI00403618.4	6330407J23Rik	1.10	0.99	-	0.93074
4078	IPI00462375.2	6330403A02Rik	1.10	1.02	-	0.86916
4079	IPI00927957.1	Ctsd	1.10	-	-	-
4080	IPI00918565.1	Ppm1h	1.10	-	-	-
4081	IPI00130263.1	Rnf126	1.10	-	-	-
4082	IPI00848961.1	LOC100045963	1.10	-	-	-
4083	IPI00654328.2	Mapk3	1.10	-	-	-
4084	IPI00115240.1	Mbp	1.10	0.95	-	-
4085	IPI00857267.1	Cacna2d2	1.10	-	-	-
4086	IPI00857221.1	Cacna2d2;LOC100	1.10	-	-	-
4087	IPI00111158.2	Cacna2d2	1.10	-	-	-
4088	IPI00339474.3	Gm4957	1.10	-	-	-
4089	IPI00463634.1	Rpl12	1.10	-	-	-
4090	IPI00230512.3	Tfam	1.11	1.19	-	0.77869
4091	IPI00112822.2	Tfam	1.11	-	-	-
4092	IPI00895166.1	Tfam	1.11	-	-	-
4093	IPI00387421.1	Wdr37	1.11	0.90	-	0.49522
4094	IPI00776142.1	Gabra3	1.11	0.83	-	0.5982
4095	IPI00110601.3	Gabra3	1.11	-	-	-
4096	IPI00467910.4	Rab1	1.11	-	-	-
4097	IPI00830204.1	Hsph1	1.11	-	-	-
4098	IPI00918346.1	Cntn6	1.11	-	-	-
4099	IPI00310105.2	Ptk2b	1.12	0.81	-	0.76194
4100	IPI00133132.1	Ptk2b	1.12	-	-	-
4101	IPI00453599.2	Cfdp1	1.12	-	-	-
4102	IPI00316479.7	Ptpn11	1.12	0.85	-	0.59544
4103	IPI00116554.2	Ptpn11	1.12	-	-	-
4104	IPI00177179.3	Pvr	1.12	-	-	-
4105	IPI00750596.1	Mtch2	1.12	-	-	-

4106	IPI00754142.1	Mtch2	1.12	-	-	-
4107	IPI00669721.3	LOC638059	1.12	-	-	-
4108	IPI00751083.2	Gm13767	1.12	-	-	-
4109	IPI00880691.1	Lphn3	1.12	-	-	-
4110	IPI00462456.1	Ubxn6	1.13	-	-	-
4111	IPI00754112.1	Spag9	1.13	-	-	-
4112	IPI00626409.6	Spag9	1.13	-	-	-
4113	IPI00753495.1	Spag9	1.13	-	-	-
4114	IPI00462746.5	Spag9	1.13	-	-	-
4115	IPI00875851.1	Spag9	1.13	-	-	-
4116	IPI00876419.1	Spag9	1.13	-	-	-
4117	IPI00874614.1	Spag9	1.13	-	-	-
4118	IPI00475034.6	Spag9	1.13	1.41	-	0.39385
4119	IPI00405303.1	Aldh3a2	1.13	-	-	-
4120	IPI00881346.1	Ilvbl	1.13	-	-	-
4121	IPI00881209.1	Ilvbl	1.13	1.13	-	-
4122	IPI00885254.1	Slc25a1	1.13	-	-	-
4123	IPI00761635.2	Ube2v2	1.13	1.16	-	-
4124	IPI00894843.1	Ube2v2	1.13	-	-	-
4125	IPI00125577.1	Vstm2b	1.14	-	-	-
4126	IPI00121051.3	Gstk1	1.14	0.83	-	0.47269
4127	IPI00229298.1	Epb4.1l3	1.14	-	-	-
4128	IPI00845675.1	Pfn2	1.14	-	-	-
4129	IPI00776301.1	Cd99l2	1.14	-	-	-
4130	IPI00885307.1	Cops3	1.14	-	-	-
4131	IPI00757762.1	LOC100046996	1.15	0.84	-	0.62171
4132	IPI00118904.1	Fnta	1.15	-	-	-
4133	IPI00928176.1	Aldh4a1	1.15	1.16	-	0.62289
4134	IPI00460335.1	Aldh4a1	1.15	-	-	-
4135	IPI00110583.1	Gng10	1.15	0.97	-	-
4136	IPI00115680.1	Prkcsh	1.15	-	-	-
4137	IPI00750828.1	Mapk3	1.15	-	-	-
4138	IPI00875624.2	Slc4a3	1.15	2.07	-	-
4139	IPI00470963.3	Slc4a3	1.15	0.89	-	-
4140	IPI00127267.4	Gldc	1.15	1.37	-	-
4141	IPI00403373.1	Gldc	1.15	1.04	-	0.90591
4142	IPI00280967.3	Tardbp	1.16	1.48	-	-
4143	IPI00459625.1	Tardbp	1.16	-	-	-
4144	IPI00807899.1	Tardbp	1.16	-	-	-
4145	IPI00515174.1	Tardbp	1.16	-	-	-
4146	IPI00515147.1	Tardbp	1.16	-	-	-
4147	IPI00453613.3	Huwe1	1.16	-	-	-
4148	IPI00120080.2	Pnpla8	1.16	-	-	-
4149	IPI00132923.1	Gosr1	1.16	-	-	-
4150	IPI00313559.3	Gosr1	1.16	0.99	-	0.96616
4151	IPI00124372.3	Aldh9a1	1.16	0.99	-	0.97749
4152	IPI00880213.1	Gm15427	1.16	1.11	-	0.78964
4153	IPI00162790.1	Rpl18a	1.16	1.11	-	-
4154	IPI00830427.1	Tpm1	1.16	0.90	-	-
4155	IPI00928557.1	Plcb1	1.17	-	-	-
4156	IPI00225209.1	Ilvbl	1.17	0.92	-	-
4157	IPI00886009.2	D630045J12Rik	1.18	0.77	-	0.49522

4158	IPI00400301.2	Cpox	1.18	1.17	-	0.47039
4159	IPI00880360.1	Tmem9b	1.18	1.24	-	-
4160	IPI00458238.2	Cspg5	1.18	-	-	-
4161	IPI00880610.1	5730469M10Rik	1.18	1.12	-	0.47039
4162	IPI00187272.3	5730469M10Rik	1.18	-	-	-
4163	IPI00133920.3	Sec13	1.18	1.09	-	0.86916
4164	IPI00406217.2	Mgrn1	1.19	1.03	-	0.95947
4165	IPI00460741.3	Mgrn1	1.19	-	-	-
4166	IPI00775949.1	Mgrn1	1.19	-	-	-
4167	IPI00187513.3	Mgrn1	1.19	-	-	-
4168	IPI00380722.1	Bat2	1.19	1.03	-	0.94121
4169	IPI00751974.1	Snta1	1.20	1.23	-	0.46266
4170	IPI00267848.5	Snta1	1.20	-	-	-
4171	IPI00654325.1	Ppp3cb	1.20	-	-	-
4172	IPI00755389.2	Prpsap1	1.20	0.97	-	0.9364
4173	IPI00132470.1	Mrpl11	1.20	1.22	-	-
4174	IPI00228306.3	Akt3	1.20	-	-	-
4175	IPI00124450.1	Akt3	1.20	-	-	-
4176	IPI00338270.5	Erlc1	1.20	1.07	-	0.9111
4177	IPI00464280.2	Epn2	1.21	-	-	-
4178	IPI00310131.5	Ap2a2	1.21	-	-	-
4179	IPI00848970.1	Pgam5	1.21	1.54	-	0.35843
4180	IPI00857810.1	Bai3	1.21	-	-	-
4181	IPI00187338.2	Bai3	1.21	0.96	-	-
4182	IPI00132942.1	Nudc	1.21	1.14	-	0.7214
4183	IPI00648879.1	Fkbp15;Cdc26	1.21	-	-	-
4184	IPI00649188.3	Fkbp15;Cdc26	1.21	-	-	-
4185	IPI00265407.8	Clip3	1.22	0.83	-	-
4186	IPI00874955.1	Al314180	1.22	-	-	-
4187	IPI00321646.3	Al314180	1.22	-	-	-
4188	IPI00553357.1	Al314180	1.22	0.70	-	0.64234
4189	IPI00828748.1	Al314180	1.22	-	-	-
4190	IPI00648105.1	Prdx1	1.22	-	-	-
4191	IPI00648615.3	Prdx1	1.22	-	-	-
4192	IPI00649645.1	Prdx1	1.22	-	-	-
4193	IPI00109293.1	Lactb;LOC677144	1.22	0.93	-	0.65671
4194	IPI00229808.1	Vps53	1.22	-	-	-
4195	IPI00387427.3	Vps53	1.22	0.85	-	0.57679
4196	IPI00881714.1	Lphn3	1.22	-	-	-
4197	IPI00882084.1	Lphn3	1.22	-	-	-
4198	IPI00816975.2	Lphn3	1.22	-	-	-
4199	IPI00880421.1	Lphn3	1.22	-	-	-
4200	IPI00882082.1	Lphn3	1.22	-	-	-
4201	IPI00411158.2	Lphn3	1.22	0.74	-	0.51846
4202	IPI00880762.1	Lphn3	1.22	-	-	-
4203	IPI00882244.1	Lphn3	1.22	-	-	-
4204	IPI00881441.1	Lphn3	1.22	-	-	-
4205	IPI00112785.1	Trappc4	1.23	0.73	-	0.49476
4206	IPI00407061.1	Rptor	1.23	-	-	-
4207	IPI00170249.1	Rptor	1.23	-	-	-
4208	IPI00411051.4	Rptor	1.23	-	-	-
4209	IPI00320850.3	Mccc1	1.23	1.09	-	0.66692

4210	IPI00652521.1	Mccc1	1.23	-	-	-
4211	IPI00831107.1	Asah1	1.23	-	-	-
4212	IPI00322698.7	Trpv2	1.23	0.96	-	0.88955
4213	IPI00311443.1	Tspan2	1.23	-	-	-
4214	IPI00880733.1	Tspan2	1.23	0.90	-	0.61162
4215	IPI00230440.6	Ahcy;Gm9826	1.23	0.90	-	0.78422
4216	IPI00224252.5	Sel1l	1.23	0.95	-	0.84491
4217	IPI00131143.1	Sel1l	1.23	-	-	-
4218	IPI00858238.1	Ndufa3	1.23	-	-	-
4219	IPI00918954.1	Pgm2l1	1.24	-	-	-
4220	IPI00776190.1	Ocr1	1.24	0.84	-	0.79353
4221	IPI00403814.4	Ocr1	1.24	-	-	-
4222	IPI00674104.2	LOC634842	1.24	0.92	-	0.93152
4223	IPI00226492.3	Fam171b	1.24	-	-	-
4224	IPI00845605.1	Fam171b	1.24	-	-	-
4225	IPI00874907.2	Nbas	1.24	1.04	-	0.86896
4226	IPI00848536.1	Gm7204	1.24	-	-	-
4227	IPI00605254.5	Gm7204	1.24	-	-	-
4228	IPI00331745.2	Lxn	1.24	0.98	-	0.94277
4229	IPI00121552.2	Umps	1.24	1.21	-	-
4230	IPI00221782.3	4933403F05Rik	1.24	1.23	-	0.49522
4231	IPI00130758.1	Itm2b	1.24	1.10	-	0.45615
4232	IPI00331212.3	Arhgef7	1.24	0.75	-	0.54447
4233	IPI00828536.1	Arhgef7	1.24	-	-	-
4234	IPI00387322.6	Arhgef7	1.24	-	-	-
4235	IPI00828966.1	Arhgef7	1.24	-	-	-
4236	IPI00555113.2	Rpl18	1.24	1.22	-	0.38012
4237	IPI00225028.1	Tcp11l1	1.25	1.03	-	0.96924
4238	IPI00655135.1	Ppp2r1b	1.25	0.93	-	-
4239	IPI00222306.5	Ppp2r1b	1.25	-	-	-
4240	IPI00126634.1	Poldip2	1.25	1.18	-	0.54447
4241	IPI00229184.3	Hapln4	1.25	0.57	-	0.53529
4242	IPI00137439.1	Map2k6	1.25	-	-	-
4243	IPI00341584.6	Exoc4	1.25	-	-	-
4244	IPI00649141.3	Vps13d	1.25	-	-	-
4245	IPI00664030.4	Vps13d	1.25	0.95	-	0.84321
4246	IPI00406263.2	Epb4.1l3	1.25	-	-	-
4247	IPI00229299.1	Epb4.1l3	1.25	-	-	-
4248	IPI00753793.2	Spna2	1.25	-	-	-
4249	IPI00322431.9	Picl2	1.25	0.77	-	0.59544
4250	IPI00849506.1	LOC100046895	1.26	-	-	-
4251	IPI00759885.1	Qk	1.26	-	-	-
4252	IPI00136596.1	Qk	1.26	0.98	-	0.88528
4253	IPI00759906.1	Qk	1.26	-	-	-
4254	IPI00759871.1	Qk	1.26	-	-	-
4255	IPI00130483.1	Qk	1.26	-	-	-
4256	IPI00760097.1	Qk	1.26	-	-	-
4257	IPI00759892.1	Qk	1.26	-	-	-
4258	IPI00885650.1	Dmxl2	1.26	-	-	-
4259	IPI00750771.5	Arhgap21	1.26	0.76	-	0.74452
4260	IPI00918972.1	Arhgap21	1.26	-	-	-
4261	IPI00918720.1	Arhgap21	1.26	-	-	-

4262	IPI00677367.7	Arhgap21	1.26	-	-	-
4263	IPI00848555.1	Gm4596	1.26	-	-	-
4264	IPI00123379.1	Hdlbp	1.26	1.15	-	0.51784
4265	IPI00109740.3	Mrpl2	1.26	-	-	-
4266	IPI00856991.1	Mrpl2	1.26	1.49	-	-
4267	IPI00828965.1	Echdc1	1.27	1.19	-	0.47166
4268	IPI00187288.6	Echdc1	1.27	-	-	-
4269	IPI00124938.1	Uchl5	1.27	-	-	-
4270	IPI00230763.1	Uchl5	1.27	0.79	-	-
4271	IPI00857469.1	Cryz	1.27	-	-	-
4272	IPI00857341.1	Cryz	1.27	-	-	-
4273	IPI00857537.1	Cryz	1.27	-	-	-
4274	IPI00134704.1	Cryz	1.27	-	-	-
4275	IPI00857132.1	Cryz	1.27	0.79	-	0.35616
4276	IPI00457538.2	Urm1	1.27	-	-	-
4277	IPI00331111.1	Ccbl1	1.27	-	-	-
4278	IPI00756851.1	Ccbl1	1.27	-	-	-
4279	IPI00387217.1	Cul2	1.27	1.25	-	0.47426
4280	IPI00321499.1	Bcl2l13	1.27	-	-	-
4281	IPI00312507.2	Opa3	1.27	1.16	-	0.35843
4282	IPI00405648.1	Chid1	1.28	-	-	-
4283	IPI00467127.5	Chid1	1.28	1.03	-	0.9301
4284	IPI00648688.3	Spag9	1.28	-	-	-
4285	IPI00551331.1	Spag9	1.28	-	-	-
4286	IPI00947600.1	Mrps2	1.28	1.12	-	0.63837
4287	IPI00126011.1	Mrps2	1.28	-	-	-
4288	IPI00798592.1	Spna2	1.28	-	-	-
4289	IPI00125853.1	Slc25a15	1.28	2.11	-	-
4290	IPI00117986.3	Slc12a9	1.28	0.97	-	0.9364
4291	IPI00336714.1	Bcas3	1.28	-	-	-
4292	IPI00400411.3	Lzts1	1.28	-	-	-
4293	IPI00954671.1	Lzts1	1.28	-	-	-
4294	IPI00828723.1	Arhgef7	1.28	-	-	-
4295	IPI00828241.1	Arhgef7	1.28	-	-	-
4296	IPI00230704.4	Arhgef7	1.28	-	-	-
4297	IPI00655136.3	Arhgef7	1.28	-	-	-
4298	IPI00755748.1	Galnt1	1.28	0.93	-	-
4299	IPI00464268.4	Galnt1	1.28	-	-	-
4300	IPI00757201.1	LOC100045018	1.29	-	-	-
4301	IPI00881636.1	Chid1	1.29	-	-	-
4302	IPI00309419.2	Lrrc4c	1.29	0.86	-	0.79187
4303	IPI00464151.3	Tmem132a	1.29	-	-	-
4304	IPI00927963.1	Slc25a44	1.29	-	-	-
4305	IPI00808423.1	Slc25a44	1.29	-	-	-
4306	IPI00402910.5	Slc25a44	1.29	-	-	-
4307	IPI00928402.1	Slc25a44	1.29	1.16	-	0.76574
4308	IPI00649114.1	Tprgl	1.29	1.11	-	-
4309	IPI00262743.6	Tecr	1.29	1.01	-	0.96735
4310	IPI00133528.1	Golph3	1.29	1.11	-	0.49522
4311	IPI00828569.2	Fat3	1.30	-	-	-
4312	IPI00896093.1	Phyhipl	1.30	-	-	-
4313	IPI00224093.2	Phyhipl	1.30	0.93	-	0.53529

4314	IPI00380354.1	Llg1	1.30	-	-	-
4315	IPI00929905.1	Llg1	1.30	-	-	-
4316	IPI00649658.1	Llg1	1.30	0.83	-	0.50973
4317	IPI00124906.1	Cdc42ep4	1.30	-	-	-
4318	IPI00876514.1	Osbp	1.30	0.72	-	-
4319	IPI00129755.2	Serpina1b	1.30	-	-	-
4320	IPI00754546.2	Ankrd34a	1.31	0.49	-	-
4321	IPI00330094.4	Cpt1a	1.31	1.05	-	0.77622
4322	IPI00649973.1	Hsd12	1.31	0.97	-	0.81575
4323	IPI00117214.3	Hsd12	1.31	-	-	-
4324	IPI00674554.2	Dmx1l	1.31	0.68	-	0.65555
4325	IPI00131357.7	Rps23	1.31	-	-	-
4326	IPI00955718.1	LOC100046668;Ri	1.31	1.21	-	0.35843
4327	IPI00918051.1	Grip1	1.32	-	-	-
4328	IPI00918379.1	Grip1	1.32	-	-	-
4329	IPI00919075.1	Grip1	1.32	-	-	-
4330	IPI00918966.1	Grip1	1.32	-	-	-
4331	IPI00399863.3	Grip1	1.32	-	-	-
4332	IPI00918462.1	Grip1	1.32	-	-	-
4333	IPI00127232.3	Grip1	1.32	-	-	-
4334	IPI00918581.1	Grip1	1.32	-	-	-
4335	IPI00918292.1	Grip1	1.32	-	-	-
4336	IPI00918506.1	Grip1	1.32	-	-	-
4337	IPI00269503.1	Grip1	1.32	-	-	-
4338	IPI00467886.2	Grip1	1.32	-	-	-
4339	IPI00409947.1	Grip1	1.32	-	-	-
4340	IPI00420752.7	Mccc2	1.32	-	-	-
4341	IPI00380734.2	Actr3b	1.32	1.13	-	0.44201
4342	IPI00915505.1	Ptprs	1.32	-	-	-
4343	IPI00127492.1	Smcp1	1.32	0.91	-	0.53529
4344	IPI00845798.1	Fam73a	1.32	-	-	-
4345	IPI00882290.1	5730469M10Rik	1.32	-	-	-
4346	IPI00880502.1	5730469M10Rik	1.32	-	-	-
4347	IPI00880354.1	5730469M10Rik	1.32	-	-	-
4348	IPI00882173.1	5730469M10Rik	1.32	-	-	-
4349	IPI00858239.1	Bai3	1.33	-	-	-
4350	IPI00275512.1	Ppm1f	1.33	0.86	-	-
4351	IPI00133562.1	Chchd3	1.33	1.23	-	0.3547
4352	IPI00466699.3	Gria2	1.33	-	-	-
4353	IPI00751228.2	Gria2	1.33	-	-	-
4354	IPI00830369.1	Tmem214	1.34	1.46	-	-
4355	IPI00222924.3	Tmem214	1.34	-	-	-
4356	IPI00886355.1	Tmem214	1.34	-	-	-
4357	IPI00276222.1	Fermt2	1.34	1.11	-	0.75478
4358	IPI00110124.1	Ccdc132	1.35	-	-	-
4359	IPI00853890.2	LOC100048816	1.35	-	-	-
4360	IPI00895277.1	Bai2	1.35	-	-	-
4361	IPI00319528.6	Bai2	1.35	-	-	-
4362	IPI00880680.2	LOC100048816	1.35	-	-	-
4363	IPI00895401.1	LOC100048816	1.35	-	-	-
4364	IPI00895291.1	LOC100048816	1.35	-	-	-
4365	IPI00623397.4	Bai2	1.35	0.88	-	-

4366	IPI00648090.2	Bai2	1.35	-	-	-
4367	IPI00124411.2	Ptplb	1.35	0.92	-	0.79634
4368	IPI00274222.2	Acad8	1.36	1.37	-	0.37683
4369	IPI00125645.1	Adcy8	1.36	-	-	-
4370	IPI00109040.1	Ttc9b	1.36	0.87	-	-
4371	IPI00459759.2	Tmem163	1.36	1.33	-	0.59431
4372	IPI00136284.1	Rnf11	1.36	-	-	-
4373	IPI00648669.1	Rnf11	1.36	0.74	-	-
4374	IPI00851031.1	Raph1	1.36	0.69	-	0.49522
4375	IPI00881016.1	Hint3	1.36	0.56	-	-
4376	IPI00857038.1	Rps19	1.36	-	-	-
4377	IPI00664029.2		1.36	-	-	-
4378	IPI00856927.1	Rps19	1.36	-	-	-
4379	IPI00113241.7	Rps19	1.36	-	-	-
4380	IPI00350414.6	Gm13143	1.36	-	-	-
4381	IPI00875929.1	Gm4327;Gm8683	1.36	-	-	-
4382	IPI00875584.1	Rps19	1.36	-	-	-
4383	IPI00665513.3	Gm6636	1.36	1.13	-	0.35843
4384	IPI00856352.1	Rps19	1.36	-	-	-
4385	IPI00125787.4	Gm14072	1.36	-	-	-
4386	IPI00653438.1	Tpbg	1.37	0.76	-	0.73026
4387	IPI00468202.4	Tpbg	1.37	-	-	-
4388	IPI00955700.1	Ube2d3	1.37	-	-	-
4389	IPI00265279.1	LOC100044056;G	1.37	-	-	-
4390	IPI00312018.6	Mlec	1.37	1.30	-	0.31297
4391	IPI00876431.1	Inpp4a	1.37	-	-	-
4392	IPI00785480.2	Inpp4a	1.37	-	-	-
4393	IPI00466701.3	Fnbp1	1.38	1.01	-	-
4394	IPI00876259.1	Fnbp1	1.38	-	-	-
4395	IPI00750171.1	Fnbp1	1.38	-	-	-
4396	IPI00808090.1	Fnbp1	1.38	-	-	-
4397	IPI00752749.2	Fnbp1	1.38	-	-	-
4398	IPI00116278.4	Fnbp1	1.38	-	-	-
4399	IPI00626520.3	Fnbp1	1.38	-	-	-
4400	IPI00755941.2	Fnbp1	1.38	-	-	-
4401	IPI00874767.1	Fnbp1	1.38	-	-	-
4402	IPI00755613.1	Fnbp1	1.38	-	-	-
4403	IPI00135068.1	Timm44	1.38	-	-	-
4404	IPI00889924.1	Timm44	1.38	1.23	-	0.46266
4405	IPI00405703.4	Ptpra	1.39	-	-	-
4406	IPI00336550.5	Ptpra	1.39	3.70	-	0.71562
4407	IPI00108685.3	Ptpra	1.39	-	-	-
4408	IPI00132768.1	Tmem14c	1.39	0.76	-	0.53529
4409	IPI00404474.1	Faah	1.39	1.08	-	0.65482
4410	IPI00653794.2	Rap1gds1	1.39	0.89	-	0.61644
4411	IPI00652463.3	Slc26a6	1.39	-	-	-
4412	IPI00319828.1	Slc26a6	1.39	-	-	-
4413	IPI00138716.1	Rap2b	1.39	0.90	-	0.79297
4414	IPI00466588.3	Rap2c;LOC10004:	1.39	1.03	-	0.87475
4415	IPI00775869.1	Fhl1	1.39	-	-	-
4416	IPI00406672.3	Fhl1	1.39	0.86	-	-
4417	IPI00776276.1	Fhl1	1.39	-	-	-

4418	IPI00775906.1	Fhl1	1.39	-	-	-
4419	IPI00409345.3	Cry1	1.39	1.27	-	0.57968
4420	IPI00331736.3	Pip5k1a	1.39	-	-	-
4421	IPI00831529.1	Pip5k1a	1.39	-	-	-
4422	IPI00858194.2	Pip5k1a	1.39	-	-	-
4423	IPI00830152.1	Pip5k1a	1.39	-	-	-
4424	IPI00475262.3	Pip5k1a	1.39	-	-	-
4425	IPI00122075.1	Mavs	1.40	1.13	-	0.70572
4426	IPI00857603.1	Cacna2d2	1.40	-	-	-
4427	IPI00856877.1	Cacna2d2	1.40	0.73	-	0.45615
4428	IPI00751689.3	Cacna2d2	1.40	-	-	-
4429	IPI00671847.3	Ppp1r12a	1.40	-	-	-
4430	IPI00876048.1	Ppp1r12a	1.40	1.06	-	0.75519
4431	IPI00845753.1	Cyb5r2	1.40	-	-	-
4432	IPI00310925.5	Cyb5r2	1.40	-	-	-
4433	IPI00761797.1	Sh3bp2	1.40	-	-	-
4434	IPI00331306.7	Sh3bp2	1.40	-	-	-
4435	IPI00881074.1	Sh3bp2	1.40	-	-	-
4436	IPI00556699.1	Gcsh	1.40	0.98	-	0.96735
4437	IPI00881597.1	Mras	1.41	-	-	-
4438	IPI00117357.1	Mras	1.41	0.87	-	0.77388
4439	IPI00817018.2	Usp7	1.41	-	-	-
4440	IPI00463367.2	Usp7	1.41	-	-	-
4441	IPI00816922.1	Usp7	1.41	0.85	-	0.50245
4442	IPI00894786.1	Lancl1	1.41	1.02	-	0.9364
4443	IPI00131535.1	Lancl1	1.41	-	-	-
4444	IPI00930758.1	Sars2	1.41	1.28	-	0.40793
4445	IPI00421218.5	Tln2	1.41	-	-	-
4446	IPI00607961.1	Tmem33	1.41	1.05	-	0.80273
4447	IPI00133234.1	Tmem33	1.41	-	-	-
4448	IPI00331016.1	Sec24b	1.41	-	-	-
4449	IPI00652925.3	LOC100047481	1.41	1.10	-	0.53529
4450	IPI00473680.2	Tmed9	1.41	-	-	-
4451	IPI00845689.1	Tmed9	1.41	1.24	-	0.47039
4452	IPI00131903.1	Hint3	1.42	-	-	-
4453	IPI00138190.1	Cdh11	1.42	2.79	-	-
4454	IPI00125450.3	Nme3	1.43	1.11	-	0.71119
4455	IPI00131369.1	Gabrg2	1.43	-	-	-
4456	IPI00111211.1	Mrpl46	1.43	0.96	-	0.88143
4457	IPI00319914.3	Rcan1	1.43	-	-	-
4458	IPI00128307.2	Rcan1	1.43	-	-	-
4459	IPI00331535.1	Rcan1	1.43	-	-	-
4460	IPI00282748.4	Bin1	1.43	-	-	-
4461	IPI00458777.2	Bin1	1.43	-	-	-
4462	IPI00648630.1	Camk2b	1.43	-	-	-
4463	IPI00929758.1	Tln1	1.43	0.99	-	0.96594
4464	IPI00465786.3	Tln1	1.43	-	-	-
4465	IPI00351246.3	Mpp3	1.43	0.94	-	0.87629
4466	IPI00555002.1	Rap2a	1.44	-	-	-
4467	IPI00118022.1	Ap2s1	1.44	0.90	-	0.62095
4468	IPI00876402.1	Ap2s1	1.44	0.66	-	-
4469	IPI00230113.5	Cyb5	1.44	-	-	-

4470	IPI00918942.1	Cyb5	1.44	0.88	-	0.57338
4471	IPI00221857.1	Pgs1	1.44	0.89	-	0.54712
4472	IPI00886083.1	Pgs1	1.44	-	-	-
4473	IPI00881206.1	Mccc1	1.44	-	-	-
4474	IPI00849866.1	Pdp1	1.44	0.99	-	0.95722
4475	IPI00672824.3	Pdp1	1.44	-	-	-
4476	IPI00850694.2	Pdp1	1.44	-	-	-
4477	IPI00857971.1	Pdp1	1.44	-	-	-
4478	IPI00857710.1	Cops4	1.46	-	-	-
4479	IPI00649913.1	Lasp1	1.46	-	-	-
4480	IPI00135730.1	Arf2	1.46	-	-	-
4481	IPI00263874.3	Farsa	1.46	-	-	-
4482	IPI00754704.2	Farsa	1.46	1.28	-	0.35843
4483	IPI00315463.4	Reep5	1.46	0.96	-	0.84581
4484	IPI00169804.1	Lym4	1.46	1.44	-	0.37683
4485	IPI00226416.3	Gprin3	1.46	0.57	-	-
4486	IPI00331463.1	Atpif1	1.47	0.93	-	0.66208
4487	IPI00127598.1	Atpif1	1.47	-	-	-
4488	IPI00309285.5	Hccs	1.47	1.23	-	0.47039
4489	IPI00134572.1	Hccs	1.47	-	-	-
4490	IPI00648357.1	Slc25a11	1.47	-	-	-
4491	IPI00885610.1	Scamp3	1.48	-	-	-
4492	IPI00653426.2	Scamp3	1.48	0.86	-	0.47039
4493	IPI00132604.3	Scamp3	1.48	-	-	-
4494	IPI00649267.5	Hgs	1.48	-	-	-
4495	IPI00929837.1	Hgs	1.48	1.08	-	0.77883
4496	IPI00605489.3	Otud7b	1.48	-	-	-
4497	IPI00112128.1	Hdhd3	1.48	1.04	-	0.83925
4498	IPI00849280.1	LOC100048642	1.48	-	-	-
4499	IPI00875552.2	Ttyh1	1.48	-	-	-
4500	IPI00850311.1	LOC100044107	1.49	-	-	-
4501	IPI00468079.3	Elmo2	1.49	0.71	-	-
4502	IPI00875068.1	Tecr	1.49	-	-	-
4503	IPI00929787.1	Tecr	1.49	-	-	-
4504	IPI00849398.1	LOC100046434	1.49	-	-	-
4505	IPI00403909.2	Armc6	1.50	0.93	-	-
4506	IPI00762866.1	Armc6	1.50	-	-	-
4507	IPI00110402.1	Grm1	1.50	-	-	-
4508	IPI00662861.1	LOC635087	1.50	-	-	-
4509	IPI00117832.1	Lym7	1.50	1.14	-	-
4510	IPI00227191.1	Rhof	1.50	-	-	-
4511	IPI00125971.1	Psmc6	1.50	0.85	-	0.77333
4512	IPI00858156.1	Oxct1	1.50	-	-	-
4513	IPI00755161.2	Osbp	1.50	-	-	-
4514	IPI00280252.1	Ipo11	1.50	-	-	-
4515	IPI00355368.4	Ipo11	1.50	-	-	-
4516	IPI00395042.1	Nrcam	1.51	1.00	-	-
4517	IPI00403536.1	Nrcam	1.51	-	-	-
4518	IPI00928498.1	Dnajb12	1.51	-	-	-
4519	IPI00331598.2	Dnajb12	1.51	-	-	-
4520	IPI00928538.1	Dnajb12	1.51	-	-	-
4521	IPI00130253.4	Cacna2d3	1.51	0.90	-	0.66357

4522	IPI00830364.1	Htra2	1.51	-	-	-
4523	IPI00830249.1	Htra2	1.51	-	-	-
4524	IPI00127871.1	Syt7	1.51	-	-	-
4525	IPI00400053.1	Syt7	1.51	0.85	-	0.53945
4526	IPI00762862.3	Grm2	1.51	0.89	-	0.76165
4527	IPI00775849.2	Actn4	1.52	1.04	-	-
4528	IPI00830834.2	Homer1	1.52	-	-	-
4529	IPI00653231.1	Sfxn3	1.52	-	-	-
4530	IPI00310907.5	Spon1	1.52	0.97	-	-
4531	IPI00381563.4	Cytsb	1.52	0.53	-	-
4532	IPI00798550.1	Cytsb	1.52	0.86	-	0.67004
4533	IPI00761331.2	3-Sep	1.52	-	-	-
4534	contaminant_UBIQUITIN10		1.53	-	-	-
4535	IPI00229810.4	Plekha5	1.53	0.90	-	-
4536	IPI00127596.1	Ckm	1.53	0.97	-	0.90191
4537	IPI00120943.3	Cnmn1	1.53	0.83	-	0.91929
4538	IPI00330176.4	Mon2	1.53	1.10	-	-
4539	IPI00649206.3	Sgip1	1.54	-	-	-
4540	IPI00648975.1	Sgip1	1.54	-	-	-
4541	IPI00648333.1	Gstm4	1.55	-	-	-
4542	IPI00619992.2	Gm6665	1.55	-	-	-
4543	IPI00121280.5	Gstm7	1.55	0.90	-	-
4544	IPI00165796.1	Gstm4	1.55	-	-	-
4545	IPI00648589.1	Gstm7	1.55	-	-	-
4546	IPI00750485.1	-	1.55	-	-	-
4547	IPI00648675.1	Gstm6	1.55	-	-	-
4548	IPI00228820.5	Gstm2	1.55	-	-	-
4549	IPI00648064.1	Gstm7	1.55	0.71	-	-
4550	IPI00648817.3	Gstm7	1.55	-	-	-
4551	IPI00648336.1	Gstm2	1.55	-	-	-
4552	IPI00622497.3	Cyfip2	1.55	-	-	-
4553	IPI00653348.1	Rgs6	1.56	-	-	-
4554	IPI00648884.1	Mecr	1.56	-	-	-
4555	IPI00116308.1	St13	1.56	0.97	-	0.91639
4556	IPI00459443.5	Tnks1bp1	1.56	0.65	-	-
4557	IPI00855061.2	Lrfn1	1.56	-	-	-
4558	IPI00895406.1	Lrfn1	1.56	-	-	-
4559	IPI00221663.5	Bpgm	1.56	0.94	-	0.63837
4560	IPI00886212.1	Osbp1a	1.57	-	-	-
4561	IPI00118654.2	Pdpx	1.57	1.13	-	0.5342
4562	IPI00828758.2	Apool	1.57	-	-	-
4563	IPI00874376.1	Apool	1.57	1.10	-	0.78297
4564	IPI00112493.2	Apool	1.57	1.27	-	-
4565	IPI00111885.1	Uqcrc1	1.57	-	-	-
4566	IPI00317701.2	Cops7a	1.57	0.96	-	0.83335
4567	IPI00123465.1	Cops7a	1.57	-	-	-
4568	IPI00753794.1	Sec24b	1.57	-	-	-
4569	IPI00875638.1	Immt	1.58	-	-	-
4570	IPI00648472.1	Epn2	1.58	-	-	-
4571	IPI00875016.1	Slc25a18	1.59	-	-	-
4572	IPI00344640.4	Slc25a18	1.59	-	-	-
4573	IPI00817038.1	Slc25a18	1.59	0.80	-	0.69855

4574	IPI00308001.1	Oxa1l	1.59	1.36	-	0.45615
4575	IPI00653617.1	Snap91	1.59	-	-	-
4576	IPI00460042.4	Ralgapa1	1.59	1.07	-	0.88143
4577	IPI00315452.5	Pnp1	1.60	-	-	-
4578	IPI00875288.1	Pnp2	1.60	-	-	-
4579	IPI00607023.1	Pnp1	1.60	1.07	-	0.84785
4580	IPI00751493.2	Pnp1	1.60	-	-	-
4581	IPI00468039.1	Pnp2	1.60	-	-	-
4582	IPI00830989.1	Homer1	1.60	-	-	-
4583	IPI00230719.8	Braf	1.60	2.25	-	0.68765
4584	IPI00857249.1	Clstn3	1.60	0.76	-	0.3547
4585	IPI00115312.1	Clstn3	1.60	-	-	-
4586	IPI00885599.1	N28178	1.60	-	-	-
4587	IPI00881534.1	Ppa2	1.61	-	-	-
4588	IPI00127050.1	Ppa2	1.61	1.02	-	0.8586
4589	IPI00658313.2	Kidins220	1.61	0.95	-	0.83406
4590	IPI00624420.5	Kidins220	1.61	-	-	-
4591	IPI00655029.1	Sorbs1	1.61	-	-	-
4592	IPI00128261.1	mt-Cytb	1.61	1.11	-	0.59994
4593	IPI00114710.3	Pcx	1.61	-	-	-
4594	IPI00405343.1	Csnk1g2	1.62	-	-	-
4595	IPI00115591.1	Csnk1g2	1.62	-	-	-
4596	IPI00788396.1	Clpx	1.62	1.63	-	0.35843
4597	IPI00323479.2	Lrrc57	1.63	-	-	-
4598	IPI00875390.1	Lrrc57	1.63	-	-	-
4599	IPI00929831.1	Lrrc57	1.63	-	-	-
4600	IPI00623216.2	Lrrc57	1.63	1.09	-	0.63928
4601	IPI00856855.1	Crat	1.63	-	-	-
4602	IPI00855075.3	Mrps9	1.63	1.07	-	0.81665
4603	IPI00336292.2	Mrps9	1.63	-	-	-
4604	IPI00874889.1	Mtx2	1.63	-	-	-
4605	IPI00330476.3	Cyfip1	1.63	0.95	-	0.81665
4606	IPI00403332.2	Gga3	1.63	-	-	-
4607	IPI00649581.1	Gga3	1.63	0.72	-	0.71518
4608	IPI00798610.1	Gga3	1.63	-	-	-
4609	IPI00648743.1	Ndufb6	1.64	-	-	-
4610	IPI00109904.3	Galc	1.64	1.26	-	0.48497
4611	IPI00469217.2	Pld2	1.64	-	-	-
4612	IPI00831445.1	Pld2	1.64	-	-	-
4613	IPI00320847.10	Hsd17b10	1.64	-	-	-
4614	IPI00132812.3	Prr7	1.64	0.92	-	0.83105
4615	IPI00135561.3	Fam131b	1.65	-	-	-
4616	IPI00762777.4	Fam131b	1.65	-	-	-
4617	IPI00928579.1	Fam131b	1.65	1.54	-	0.47039
4618	IPI00111166.7	Hdhd2	1.65	1.07	-	-
4619	IPI00623838.3	Bphl	1.65	-	-	-
4620	IPI00465959.1	Pde4b	1.65	-	-	-
4621	IPI00515222.1	Bcas3	1.66	0.40	-	0.73241
4622	IPI00336713.1	Bcas3	1.66	-	-	-
4623	IPI00874431.2	Bcas3	1.66	-	-	-
4624	IPI00116734.3	Rab23	1.66	-	-	-
4625	IPI00404235.2	LOC100047867	1.66	0.91	-	0.6116

4626	IPI00856424.1	Atp5j	1.67	-	-	-
4627	IPI00676449.2	Pcdh9	1.67	-	-	-
4628	IPI00350715.5	Pcdh9	1.67	-	-	-
4629	IPI00420882.3	Ogdh	1.67	1.07	-	0.47364
4630	IPI00474370.5	Rhot2	1.67	1.10	-	0.65088
4631	IPI00623400.3	Slmap	1.67	-	-	-
4632	IPI00652644.1	Slmap	1.67	-	-	-
4633	IPI00755791.4	Slmap	1.67	-	-	-
4634	IPI00830193.1	Slmap	1.67	-	-	-
4635	IPI00624363.4	Slmap	1.67	0.91	-	0.77388
4636	IPI00876282.1	Slmap	1.67	-	-	-
4637	IPI00855011.1	LOC100046998	1.67	-	-	-
4638	IPI00944020.1	Baiap3	1.67	-	-	-
4639	IPI00830376.1	Slmap	1.67	-	-	-
4640	IPI00623742.1	Pde2a	1.67	0.90	-	-
4641	IPI00380799.5	Pde2a	1.67	-	-	-
4642	IPI00928387.1	Ndufv1	1.68	-	-	-
4643	IPI00223070.3	Dock4	1.68	0.83	-	0.51296
4644	IPI00135640.1	Psmc5	1.69	0.94	-	-
4645	IPI00462789.1	Psmc5	1.69	0.98	-	-
4646	IPI00136498.1	Lin7c	1.69	0.27	-	-
4647	IPI00515583.1	Tom112	1.69	-	-	-
4648	IPI00331692.1	Dci	1.69	0.93	-	0.75904
4649	IPI00845652.1	Ogdh	1.70	1.13	-	0.31297
4650	IPI00653024.3	Gnb5	1.70	-	-	-
4651	IPI00222696.2	Dtna	1.70	-	-	-
4652	IPI00755441.1	Dtna	1.70	-	-	-
4653	IPI00135042.1	Dtna	1.70	-	-	-
4654	IPI00222694.6	Dtna	1.70	1.06	-	-
4655	IPI00466606.3	Dtna	1.70	-	-	-
4656	IPI00410809.3	Dtna	1.70	-	-	-
4657	IPI00222693.1	Dtna	1.70	-	-	-
4658	IPI00222692.1	Dtna	1.70	-	-	-
4659	IPI00128989.1	Atp6ap1	1.70	1.03	-	0.9364
4660	IPI00349033.1	Asap1	1.71	-	-	-
4661	IPI00349032.2	Asap1	1.71	1.07	-	0.74499
4662	IPI00874740.1	Asap1	1.71	-	-	-
4663	IPI00134544.3	Asap1	1.71	-	-	-
4664	IPI00849638.1	LOC100045359	1.71	-	-	-
4665	IPI00785215.1	Sgip1	1.71	-	-	-
4666	IPI00311247.6	Sgip1	1.71	-	-	-
4667	IPI00930824.1	Folh1	1.71	-	-	-
4668	IPI00626793.3	Cacna2d1	1.71	-	-	-
4669	IPI00230013.3	Cacna2d1	1.71	-	-	-
4670	IPI00895213.1	Gabrb3	1.71	-	-	-
4671	IPI00323554.3	Gabrb2	1.71	-	-	-
4672	IPI00469761.6	Crtc1	1.71	-	-	-
4673	IPI00877206.1	Fmn2	1.71	0.82	-	0.49522
4674	IPI00134371.1	Ddx3y	1.71	1.10	-	0.45615
4675	IPI00848511.1	LOC100045908	1.72	-	-	-
4676	IPI00874964.3	-	1.72	-	-	-
4677	IPI00110760.1	Dnajb4	1.72	0.99	-	0.99268

4678	IPI00172027.4	Mkl2	1.72	-	-	-
4679	IPI00858150.1	Mkl2	1.72	1.27	-	-
4680	IPI00404363.1	Acox3	1.72	0.79	-	0.69126
4681	IPI00857891.1	Acox3	1.72	-	-	-
4682	IPI00318108.2	Acox3	1.72	-	-	-
4683	IPI00921638.1	Ppfia4	1.73	0.97	-	0.93074
4684	IPI00882124.1	Rogdi	1.73	-	-	-
4685	IPI00858277.1	Nlgn4l	1.73	0.64	-	-
4686	IPI00308882.4	Ndufs1	1.73	-	-	-
4687	IPI00223274.2	Inpp5a	1.73	-	-	-
4688	IPI00856931.1	Inpp5a	1.73	1.06	-	0.47039
4689	IPI00649725.1	Cisd3	1.73	-	-	-
4690	IPI00345740.4	Cisd3	1.73	-	-	-
4691	IPI00649328.1	Cisd3	1.73	0.94	-	0.76539
4692	IPI00312128.3	Trim28	1.73	-	-	-
4693	IPI00172221.2	Dnm1l	1.74	-	-	-
4694	IPI00651854.2	Txn2	1.74	-	-	-
4695	IPI00828588.2	Txn2	1.74	-	-	-
4696	IPI00125652.1	Txn2	1.74	1.18	-	0.56724
4697	IPI00228324.1	Mfsd6	1.75	-	-	-
4698	IPI00262303.2	Mfsd6	1.75	0.37	-	0.33373
4699	IPI00228877.1	Cnksr2	1.75	-	-	-
4700	IPI00831624.1	Cnksr2	1.75	-	-	-
4701	IPI00665996.3	Suclg2	1.75	0.53	-	-
4702	IPI00459487.3	Suclg2	1.75	-	-	-
4703	IPI00647997.1	Pde4b	1.75	1.76	-	-
4704	IPI00276327.4	Pde4b	1.75	-	-	-
4705	IPI00649715.1	Pde4b	1.75	-	-	-
4706	IPI00172234.3	Homer1	1.75	-	-	-
4707	IPI00282945.1	Homer1	1.75	-	-	-
4708	IPI00918511.1	Psat1	1.75	-	-	-
4709	IPI00918735.1	Psat1	1.75	-	-	-
4710	IPI00655222.1	Smap2	1.76	1.24	-	0.35843
4711	IPI00756510.1	Smap2	1.76	1.13	-	0.49057
4712	IPI00874574.1	Clybl	1.76	0.97	-	0.87475
4713	IPI00153903.6	Clybl	1.76	-	-	-
4714	IPI00133368.1	Myo6	1.77	-	-	-
4715	IPI00321942.4	Arfp2	1.77	0.86	-	0.72832
4716	IPI00894767.1	D230025D16Rik	1.77	-	-	-
4717	IPI00894592.1	D230025D16Rik	1.77	-	-	-
4718	IPI00123927.1	Serpina1e	1.78	-	-	-
4719	IPI00123920.2	Serpina1c	1.78	-	-	-
4720	IPI00406302.2	Serpina1a	1.78	1.09	-	0.88182
4721	IPI00123924.1	Serpina1d	1.78	-	-	-
4722	IPI00903401.1	Serpina1c	1.78	-	-	-
4723	IPI00757547.1	Phactr1	1.78	-	-	-
4724	IPI00719908.1	Phactr1	1.78	0.83	-	0.35616
4725	IPI00749720.1	Rab3gap1	1.79	1.16	-	0.65135
4726	IPI00469255.4	Rab3gap1	1.79	1.08	-	-
4727	IPI00404052.3	Mpdz	1.79	-	-	-
4728	IPI00608031.1	Mpdz	1.79	-	-	-
4729	IPI00474705.2	Mpdz	1.79	-	-	-

4730	IPI00457729.1	Mpdz	1.79	-	-	-
4731	IPI00876426.2	Mpdz	1.79	-	-	-
4732	IPI00466594.2	Mpdz	1.79	-	-	-
4733	IPI00876536.1	Acss2	1.80	-	-	-
4734	IPI00752027.1	Myh7b;Acss2	1.80	0.86	-	0.54013
4735	IPI00227288.1	Elfn1	1.81	0.86	-	-
4736	IPI00119432.1	Smpd2	1.81	0.28	-	0.67208
4737	IPI00377728.2	Tomm70a	1.81	1.03	-	0.90591
4738	IPI00468602.3	Lrfn1	1.83	-	-	-
4739	IPI00918939.1	Brp44l	1.83	-	-	-
4740	IPI00475058.2	Brp44l	1.83	-	-	-
4741	IPI00918855.1	Brp44l	1.83	-	-	-
4742	IPI00380983.3	Mrs2	1.85	1.09	-	0.53529
4743	IPI00850779.1	Gm2606	1.85	-	-	-
4744	IPI00273646.9	Gm10293;Gapdh;	1.85	0.88	-	-
4745	IPI00755909.1	LOC100047237	1.85	-	-	-
4746	IPI00875027.1	Xpnpep1	1.86	0.96	-	0.83335
4747	IPI00420231.4	Xpnpep1	1.86	-	-	-
4748	IPI00421140.2	Gm1568	1.86	0.99	-	0.94277
4749	IPI00132965.1	Ppp6c	1.86	1.15	-	0.81108
4750	IPI00876154.1	Lphn2	1.86	-	-	-
4751	IPI00876558.1	Lphn2	1.86	1.73	-	0.37683
4752	IPI00668099.3	Lphn2	1.86	-	-	-
4753	IPI00761433.2	Rims1	1.86	-	-	-
4754	IPI00620145.1	Kars	1.87	0.91	-	0.7843
4755	IPI00469103.1	Kars	1.87	-	-	-
4756	IPI00666196.1	LOC631033	1.87	-	-	-
4757	IPI00123589.1	Ubxn1	1.88	-	-	-
4758	IPI00890100.1	Dnajb2	1.88	-	-	-
4759	IPI00136216.2	Dnajb2	1.88	-	-	-
4760	IPI00223482.2	Dnajb2	1.88	0.89	-	0.63502
4761	IPI00857589.1	Cadps2	1.88	-	-	-
4762	IPI00856908.1	Cadps2	1.88	-	-	-
4763	IPI00678914.1	Cadps2	1.88	-	-	-
4764	IPI00227236.2	Cadps2	1.88	-	-	-
4765	IPI00404043.3	Cadps2	1.88	0.91	-	0.50817
4766	IPI00626585.2	Cadps2	1.88	-	-	-
4767	IPI00857071.1	Cadps2	1.88	-	-	-
4768	IPI00679051.1	Cadps2	1.88	-	-	-
4769	IPI00129964.1	Hax1	1.89	1.31	-	-
4770	IPI00128341.1	Wasf3	1.89	0.96	-	0.88667
4771	IPI00226234.5	Plaa	1.89	-	-	-
4772	IPI00828952.1	Plaa	1.89	-	-	-
4773	IPI00125992.1	Nptx1	1.89	0.99	-	0.9364
4774	IPI00119283.1	Gabrb1	1.89	0.52	-	0.70614
4775	IPI00828430.1	Cdkl5	1.89	0.78	-	-
4776	IPI00337001.1	Lgi2	1.90	0.92	-	0.84674
4777	IPI00857213.1	Asphd1	1.90	1.04	-	-
4778	IPI00467229.2	Faim2	1.91	0.76	-	0.49522
4779	IPI00621963.2	Rab23	1.91	0.99	-	0.98022
4780	IPI00313306.5	Ptpn	1.91	0.91	-	0.79634
4781	IPI00649259.1	Hgs	1.91	-	-	-

4782	IPI00755229.3	Caskin1	1.91	-	-	-
4783	IPI00331251.1	Acads	1.92	1.10	-	0.8044
4784	IPI00116591.1	Acads	1.92	-	-	-
4785	IPI00407606.1	Ephx2	1.92	1.01	-	-
4786	IPI00321617.1	Ephx2	1.92	0.82	-	-
4787	IPI00131424.3	Cpt2	1.92	-	-	-
4788	IPI00881401.1	Cpt2	1.92	1.11	-	0.72047
4789	IPI00420710.1	Galnt2	1.92	-	-	-
4790	IPI00460865.1	Galnt2	1.92	1.34	-	-
4791	IPI00653724.1	Galnt2	1.92	-	-	-
4792	IPI00652728.1	Slc14a1	1.93	0.92	-	-
4793	IPI00420812.2	Slc14a1	1.93	-	-	-
4794	IPI00649904.3	Sdcbp	1.93	-	-	-
4795	IPI00647998.3	Sdcbp	1.93	-	-	-
4796	IPI00553593.1	Tnr	1.93	-	-	-
4797	IPI00880403.1	Tmem30a	1.95	1.02	-	0.96924
4798	IPI00387318.3	Tmem30a	1.95	-	-	-
4799	IPI00918668.1	Gtf3c2;Ucn	1.96	-	-	-
4800	IPI00114263.1	Gtf3c2;Ucn;Mpv1	1.96	-	-	-
4801	IPI00271835.2	Rdx	1.96	-	-	-
4802	IPI00308324.2	Rdx	1.96	1.12	-	-
4803	IPI00123176.1	-	1.96	-	-	-
4804	IPI00675985.1	Kctd16	1.96	0.83	-	0.62171
4805	IPI00469830.4	Gucy1a2	1.97	-	-	-
4806	IPI00118499.1	Uchl4	1.97	-	-	-
4807	IPI00622795.2	Gm3839	1.98	0.84	-	-
4808	IPI00853668.2	Gm10284	1.98	-	-	-
4809	IPI00674768.3	Stxbp5	1.98	0.92	-	0.39388
4810	IPI00123006.4	Gmppa	1.99	-	-	-
4811	IPI00761856.2	Gmppa	1.99	-	-	-
4812	IPI00310333.1	Sphk2	1.99	0.94	-	-
4813	IPI00349296.6	Tanc1	2.00	-	-	-
4814	IPI00753174.1	Tanc1	2.00	-	-	-
4815	IPI00309636.2	Tanc1	2.00	-	-	-
4816	IPI00889252.1	Cbara1	2.00	-	-	-
4817	IPI00378017.1	Gnb5	2.00	0.78	-	0.38642
4818	IPI00308813.1	Cbara1	2.00	-	-	-
4819	IPI00127930.1	Gnb5	2.00	-	-	-
4820	IPI00622279.1	Cbara1	2.00	1.01	-	0.93022
4821	IPI00849678.1	LOC100046972	2.01	-	-	-
4822	IPI00750364.1	Msi1	2.01	-	-	-
4823	IPI00121300.1	Msi1	2.01	-	-	-
4824	IPI00808494.1	Eea1	2.02	-	-	-
4825	IPI00453776.1	Eea1	2.02	1.25	-	0.35616
4826	IPI00310567.2	Pon2	2.02	1.07	-	0.78265
4827	IPI00118167.1	Cecr6	2.03	0.85	-	0.37683
4828	IPI00858144.1	Camk2d	2.03	-	-	-
4829	IPI00857865.1	Camk2d	2.03	-	-	-
4830	IPI00475044.3	Camk2d	2.03	-	-	-
4831	IPI00853802.1	Rock2	2.04	0.87	-	0.63467
4832	IPI00108150.1	Rock2	2.04	-	-	-
4833	IPI00133744.1	Ndufaf4	2.04	0.90	-	0.74798

4834	IPI00123321.1	D230025D16Rik	2.05	-	-	-
4835	IPI00850427.1	Gm4943	2.06	-	-	-
4836	IPI00816839.1	Sae1	2.06	1.09	-	-
4837	IPI00129105.2	Sae1	2.06	-	-	-
4838	IPI00554862.2	Pfkl	2.07	-	-	-
4839	IPI00889985.1	D230025D16Rik	2.07	0.89	-	0.51132
4840	IPI00556823.3	Prkaa1	2.07	0.97	-	0.7895
4841	IPI00338412.1	Fgf12	2.07	1.00	-	0.97749
4842	IPI00130399.1	Fgf12	2.07	-	-	-
4843	IPI00894694.1	Clic4	2.08	0.78	-	0.73026
4844	IPI00620663.3	LOC100042025	2.09	-	-	-
4845	IPI00849879.1	Gm3222	2.09	-	-	-
4846	IPI00850028.1	Gm2606	2.09	-	-	-
4847	IPI00849049.1	Gm10284	2.09	-	-	-
4848	IPI00120076.2	Ckmt2	2.09	-	-	-
4849	IPI00858177.1	Phactr1	2.09	-	-	-
4850	IPI00471281.3	Phactr1	2.09	-	-	-
4851	IPI00876153.1	Phactr1	2.09	-	-	-
4852	IPI00454161.5	Ralgapa1	2.10	-	-	-
4853	IPI00379694.4	Hmgcl	2.10	1.05	-	0.77388
4854	IPI00313539.4	Scai	2.11	0.94	-	0.78094
4855	IPI00404924.3	Dgkg	2.11	0.83	-	-
4856	IPI00128127.1	Dgkg	2.11	-	-	-
4857	IPI00762688.2	Nptn	2.11	-	-	-
4858	IPI00227970.1	Exoc7	2.12	-	-	-
4859	IPI00848775.1	Gm16470	2.13	-	-	-
4860	IPI00462605.5	Gm16470	2.13	-	-	-
4861	IPI00880371.1	Lass2	2.13	-	-	-
4862	IPI00880251.1	Lass2	2.13	0.95	-	-
4863	IPI00126253.1	Lass2	2.13	0.93	-	-
4864	IPI00882182.1	Lass2	2.13	-	-	-
4865	IPI00928217.1	Otub1	2.14	-	-	-
4866	IPI00228045.1	Camk2g	2.14	-	-	-
4867	IPI00750847.2	Rtn3	2.15	-	-	-
4868	IPI00755859.1	Sv2c	2.18	0.68	-	0.62137
4869	IPI00468140.2	Sorbs1	2.18	-	-	-
4870	IPI00755042.1	Tmem132b	2.20	0.98	-	0.97801
4871	IPI00123004.3	Pdk3	2.23	0.96	-	0.83335
4872	IPI00408626.4	Tpd52	2.25	-	-	-
4873	IPI00473743.5	Tpd52	2.25	-	-	-
4874	IPI00881225.1	Tpd52	2.25	-	-	-
4875	IPI00622606.1	Tpd52	2.25	-	-	-
4876	IPI00882249.1	Tpd52	2.25	-	-	-
4877	IPI00830558.1	Bpnt1	2.26	1.12	-	0.73026
4878	IPI00318545.3	Bpnt1	2.26	-	-	-
4879	IPI00379467.4	Adam22	2.26	-	-	-
4880	IPI00378796.5	Adam22	2.26	-	-	-
4881	IPI00754961.1	Adam22	2.26	-	-	-
4882	IPI00623219.2	Adam22	2.26	-	-	-
4883	IPI00752301.1	Adam22	2.26	-	-	-
4884	IPI00753532.1	Adam22	2.26	-	-	-
4885	IPI00515681.2	Adam22	2.26	-	-	-

4886	IPI00627016.2	Adam22	2.26	-	-	-
4887	IPI00122831.5	Exoc6	2.26	-	-	-
4888	IPI00753681.1	Exoc6	2.26	1.07	-	-
4889	IPI00321446.4	Prkca	2.27	-	-	-
4890	IPI00918604.1	Mfsd6	2.27	0.64	-	0.73565
4891	IPI00648089.1	Irgm1	2.29	0.86	-	-
4892	IPI00889294.1	Irgm1	2.29	-	-	-
4893	IPI00120264.1	Irgm1	2.29	-	-	-
4894	IPI00113112.3	Rab3b	2.29	0.92	-	0.67796
4895	IPI00113278.1	Kcnj9	2.29	-	-	-
4896	IPI00895490.1	Dctn6	2.29	-	-	-
4897	IPI00895320.1	Dctn6	2.29	0.78	-	0.78676
4898	IPI00458698.2	Dctn6	2.29	-	-	-
4899	IPI00265299.3	Atp2b3	2.31	0.78	-	-
4900	IPI00621162.2	Atp2b3	2.31	0.72	-	0.37995
4901	IPI00830728.1	Iqsec2	2.31	0.78	-	-
4902	IPI00874754.1	Kcnip4	2.32	-	-	-
4903	IPI00875649.1	Kcnip4	2.32	-	-	-
4904	IPI00621710.2	Kcnip4	2.32	1.13	-	-
4905	IPI00454000.3	Kcnip4	2.32	-	-	-
4906	IPI00653226.1	Kcnip4	2.32	-	-	-
4907	IPI00648557.1	Kcnip4	2.32	-	-	-
4908	IPI00749893.3	Exoc5	2.33	-	-	-
4909	IPI00876027.1	Exoc5	2.33	1.84	-	0.71743
4910	IPI00314106.3	Cecr5	2.34	1.26	-	0.78676
4911	IPI00874453.1	Sh3bgrl2	2.34	1.09	-	0.84785
4912	IPI00754572.2	Efr3b	2.34	-	-	-
4913	IPI00876418.2	Efr3b	2.34	0.89	-	0.63928
4914	IPI00849728.1	LOC100047762	2.35	-	-	-
4915	IPI00515280.4	Pkp4	2.35	0.54	-	-
4916	IPI00272878.6	Dnm1	2.35	0.93	-	-
4917	IPI00845595.1	Dnm1	2.35	-	-	-
4918	IPI00331291.2	Dnm1	2.35	-	-	-
4919	IPI00753037.3	Dnm1	2.35	-	-	-
4920	IPI00753742.1	LOC100046120	2.37	0.98	-	0.91447
4921	IPI00320420.3	Clu	2.37	-	-	-
4922	IPI00756025.1	Gm10313	2.38	-	-	-
4923	IPI00280156.2	Gm5514	2.38	-	-	-
4924	IPI00955692.1	Ahcyl2	2.40	-	-	-
4925	IPI00756263.1	Ahcyl2	2.40	-	-	-
4926	IPI00742293.1	Ahcyl2	2.40	-	-	-
4927	IPI00130173.1	Uba2	2.42	1.28	-	0.39388
4928	IPI00606415.4	Iqsec3	2.42	0.86	-	0.49522
4929	IPI00330167.4	Iqsec3	2.42	-	-	-
4930	IPI00676574.2	Herc1	2.43	0.58	-	-
4931	IPI00453863.3	Efr3a	2.43	-	-	-
4932	IPI00874856.1	Efr3a	2.43	-	-	-
4933	IPI00551399.3	Efr3a	2.43	0.66	-	0.48898
4934	IPI00889283.1	Shank2	2.44	-	-	-
4935	IPI00230680.7	Atp4a	2.47	0.84	-	-
4936	IPI00911175.1	Kcnn2	2.47	-	-	-
4937	IPI00467814.2	Kcnn2	2.47	-	-	-

4938	IPI00411075.1	Pcbp3	2.52	1.10	-	0.76061
4939	IPI00411074.2	Pcbp3	2.52	-	-	-
4940	IPI00850565.1	LOC100044431	2.53	1.14	-	0.49522
4941	IPI00624098.1	Stxbp3a	2.53	-	-	-
4942	IPI00652134.2	Stxbp3a	2.53	0.79	-	0.42387
4943	IPI00775779.11	Sirpa	2.54	-	-	-
4944	IPI00938439.1	Dpp3	2.56	1.14	-	0.47605
4945	IPI00459744.1	Dpp3	2.56	-	-	-
4946	IPI00116134.1	Dpp3	2.56	-	-	-
4947	IPI00123131.3	Grasp	2.58	-	-	-
4948	IPI00876559.1	Khsrp	2.58	1.22	-	0.59028
4949	IPI00462934.2	Khsrp	2.58	-	-	-
4950	IPI00331528.9	Glrx	2.60	0.99	-	0.94639
4951	IPI00277703.5	Cyld	2.61	-	-	-
4952	IPI00463127.4	Cyld	2.61	-	-	-
4953	IPI00463126.1	Cyld	2.61	0.85	-	0.35843
4954	IPI00460046.1	Ralgapa1	2.61	-	-	-
4955	IPI00751223.1	Chchd3	2.62	-	-	-
4956	IPI00754739.1	LOC100046321;Cl	2.62	-	-	-
4957	IPI00656181.1	Stxbp5l	2.66	-	-	-
4958	IPI00656258.2	Stxbp5l	2.66	-	-	-
4959	IPI00845733.1	Ppm1h	2.67	-	-	-
4960	IPI00313899.4	Cpne9	2.67	0.69	-	0.45837
4961	IPI00606708.4	Kcnj6	2.69	-	-	-
4962	IPI00874328.1	Kcnj6	2.69	-	-	-
4963	IPI00227087.2	Kcnj6	2.69	-	-	-
4964	IPI00227086.2	Kcnj6	2.69	-	-	-
4965	IPI00313365.1	Kcnj6	2.69	-	-	-
4966	IPI00227085.2	Kcnj6	2.69	-	-	-
4967	IPI00955709.1	Gm996	2.69	0.73	-	0.53529
4968	IPI00845821.1	Ppp1r1b	2.72	-	-	-
4969	IPI00553338.2	Atp1b2	2.72	-	-	-
4970	IPI00128567.2	Ache	2.75	0.87	-	0.74645
4971	IPI00153133.4	Lyplal1	2.75	1.23	-	0.37683
4972	IPI00649556.1	Dlg2	2.76	-	-	-
4973	IPI00762199.2	Ablim2	2.77	-	-	-
4974	IPI00468743.5	Ablim2	2.77	0.84	-	-
4975	IPI00856691.1	Ablim2	2.77	-	-	-
4976	IPI00480577.1	Ablim2	2.77	-	-	-
4977	IPI00226694.3	Ablim2	2.77	-	-	-
4978	IPI00463583.1	Ablim2	2.77	-	-	-
4979	IPI00312739.3	Ablim2	2.77	0.90	-	-
4980	IPI00466988.2	Dlg2	2.79	-	-	-
4981	IPI00129282.1	Dlg2	2.79	-	-	-
4982	IPI00775894.1	Il1rap1l	2.80	-	-	-
4983	IPI00117332.1	Nptx2	2.80	0.83	-	-
4984	IPI00108960.3	Fbxl16	2.81	0.78	-	0.52993
4985	IPI00380474.2	Lpar1	2.84	-	-	-
4986	IPI00406388.2	Lpar1	2.84	0.98	-	0.96994
4987	IPI00759857.1	Mlycd	2.87	1.16	-	0.39388
4988	IPI00114866.1	Mlycd	2.87	-	-	-
4989	IPI00331076.4	Slk	2.88	-	-	-

4990	IPI00749669.1	Slk	2.88	0.71	-	0.64484
4991	IPI00133030.3	Sec61b	2.88	-	-	-
4992	IPI00755226.2	LOC100047311;G	2.88	1.22	-	0.71639
4993	IPI00750947.1	Tpd52l2	2.89	0.77	-	0.39831
4994	IPI00755183.1	Tpd52l2	2.89	-	-	-
4995	IPI00319046.1	Tpd52l2	2.89	-	-	-
4996	IPI00409101.3	Tpd52l2	2.89	0.69	-	-
4997	IPI00648449.5	Arhgap23	2.92	-	-	-
4998	IPI00649958.4	Arhgap23	2.92	0.71	-	0.35843
4999	IPI00268767.4	Gpm6b	2.95	-	-	-
5000	IPI00122975.1	Gpm6b	2.95	-	-	-
5001	IPI00874422.1	Gpm6b	2.95	-	-	-
5002	IPI00337066.3	Trim9	2.96	-	-	-
5003	IPI00354319.2	Trim9	2.96	0.77	-	-
5004	IPI00337064.1	Trim9	2.96	-	-	-
5005	IPI00331543.1	Rasal1	2.97	0.87	-	0.56509
5006	IPI00130555.1	Rasal1	2.97	-	-	-
5007	IPI00850111.1	LOC100047539	2.99	-	-	-
5008	IPI00775883.1	Syp	3.06	-	-	-
5009	IPI00130331.3	L2hgdh	3.09	0.85	-	0.4316
5010	IPI00881571.1	Ssbp1	3.16	-	-	-
5011	IPI00408243.1	Ssbp1	3.16	0.99	-	0.98006
5012	IPI00111877.1	Ssbp1	3.16	-	-	-
5013	IPI00114285.1	Gsto1	3.20	0.65	-	0.63964
5014	IPI00115089.2	Entpd2	3.20	0.79	-	0.5524
5015	IPI00881282.1	Pld1	3.25	-	-	-
5016	IPI00130629.3	Pld1	3.25	-	-	-
5017	IPI00229888.1	Pld1	3.25	-	-	-
5018	IPI00421083.1	Pld1	3.25	-	-	-
5019	IPI00170121.1	Lgi3	3.29	0.91	-	0.62108
5020	IPI00408580.6	Trim9	3.30	-	-	-
5021	IPI00337062.1	Trim9	3.30	-	-	-
5022	IPI00404199.2	Bcas1	3.31	-	-	-
5023	IPI00137288.1	Efh1	3.37	-	-	-
5024	IPI00110107.2	Epb4.1l2	3.37	-	-	-
5025	IPI00875941.2	Kidins220	3.39	-	-	-
5026	IPI00876533.1	Kidins220	3.39	-	-	-
5027	IPI00830981.2	Mtap7d2	3.45	-	-	-
5028	IPI00830556.1	Mtap7d2	3.45	-	-	-
5029	IPI00470115.3	Trim9	3.46	-	-	-
5030	IPI00648855.1	Penk	3.54	0.71	-	0.59331
5031	IPI00123302.2	Penk	3.54	-	-	-
5032	IPI00222827.1	Its1n2	3.64	-	-	-
5033	IPI00123891.3	Csrp1	3.64	0.68	-	0.37683
5034	IPI00132278.1	Cplx1	3.67	0.87	-	0.4316
5035	IPI00343557.1	Mapre3	3.72	1.05	-	0.59544
5036	IPI00312752.3	Sh3gl1	3.72	1.19	-	-
5037	IPI00850215.1	LOC100048880	3.74	-	-	-
5038	IPI00553355.1	Pde1a	3.76	-	-	-
5039	IPI00874497.1	Pde1a	3.76	-	-	-
5040	IPI00223497.1	Pde1a	3.76	0.76	-	0.35843
5041	IPI00551326.1	Pde1a	3.76	-	-	-

5042	IPI00121336.1	Pde1a	3.76	-	-	-
5043	IPI00754989.1	Slc39a12	3.79	-	-	-
5044	IPI00129703.1	Rcan2	3.88	-	-	-
5045	IPI00119345.1	Rcan2	3.88	-	-	-
5046	IPI00122251.1	Pdk2	3.91	-	-	-
5047	IPI00929911.1	Pdk2	3.91	0.85	-	0.31297
5048	IPI00120751.8	Slc2a13	3.97	1.13	-	0.53529
5049	IPI00828915.1	Mfsd4	4.00	-	-	-
5050	IPI00828869.1	Mfsd4	4.00	0.73	-	-
5051	IPI00228083.4	Mfsd4	4.00	-	-	-
5052	IPI00890914.1	Prex2	4.00	-	-	-
5053	IPI00461626.1	Prmt3	4.05	0.86	-	0.56724
5054	IPI00172906.2	Sdk2	4.07	1.36	-	-
5055	IPI00311406.2	Mrpl39	4.14	-	-	-
5056	IPI00858168.1	Mrpl39	4.14	1.15	-	0.76841
5057	IPI00923113.1		4.17	-	-	-
5058	IPI00269461.2	Dusp15	4.17	1.14	-	-
5059	IPI00757472.1	Dusp15	4.17	-	-	-
5060	IPI00153936.1	Dusp15	4.17	-	-	-
5061	IPI00270376.6	Cxadr	4.35	-	-	-
5062	IPI00118835.1	Rasgrf1	4.47	0.75	-	0.58714
5063	IPI00474272.3	Mrpl45	4.63	1.03	-	-
5064	IPI00123672.1	Kcnj4	4.64	-	-	-
5065	IPI00874804.1	Kcnj4	4.64	0.76	-	-
5066	IPI00457597.1	Anks1b	4.68	0.76	-	0.39388
5067	IPI00457583.1	Anks1b	4.68	-	-	-
5068	IPI00473373.2	Syne1	4.80	-	-	-
5069	IPI00112139.1	Ociad2	4.93	1.06	-	0.73963
5070	IPI00882305.1	Hagh	5.33	-	-	-
5071	IPI00128227.3	Tmem38a	5.60	1.16	-	0.62995
5072	IPI00655150.1	Tmod1	6.47	1.24	-	0.73026
5073	IPI00309658.1	Tmod1	6.47	-	-	-
5074	IPI00830740.1	Alg11	7.40	-	-	-
5075	IPI00652804.2	Alg11	7.40	-	-	-
5076	IPI00854962.1	Alg11	7.40	-	-	-
5077	IPI00225530.1	Slc24a2	7.77	1.02	-	-
5078	IPI00114819.3	Wdr77	9.47	-	-	-
5079	IPI00225518.1	Fam163b	9.75	0.61	-	-
5080	IPI00123619.7	Cyp2d22	10.75	0.87	-	0.64484
5081	IPI00118069.1	F3	11.56	-	-	-
5082	IPI00462790.2	F3	11.56	1.08	-	-
5083	IPI00408207.2	Myo1d	12.50	0.75	-	0.32827
5084	IPI00226551.2	Myo1d	16.50	-	-	-
5085	IPI00903427.1	Nisch	16.57	-	-	-
5086	IPI00110435.2	Nisch	16.57	1.04	-	-
5087	IPI00903425.1	Nisch	16.57	-	-	-
5088	IPI00903374.1	Nisch	16.57	1.01	-	-
5089	IPI00857354.1	Slc12a6	22.07	-	-	-
5090	IPI00120165.1	Crot	49.33	-	-	-