

Supplemental Table 1: Genes predicted to experience most of their activation after P-2					
Criteria: No Pol-II tracks above threshold (4.0) at P-2 and Pol-II peak signal ratio (P-25/P-2) ≥ 1.8					
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No.	Gene Symbol	POL-II Peak Signal Ratio (P-25/P-2)	UCSC GB Link (clickable link) (mm7)		
1	Gpm6b	2.14	ActReg chrX #6535		
2	Rs1h	7.97	ActReg chrX #6526		
3	Gucy2f	5.23	ActReg chrX #6502		
4	BC031748	3.02	ActReg chrX #6500		
5	6530401D17Rik	1.89	ActReg chrX #6493		
6	Tmem35	3.78	ActReg chrX #6482		
7	Nap1l3	2.08	ActReg chrX #6479		
8	Nap1l2	1.89	ActReg chrX #6470		
9	0610008C08Rik	1.82	ActReg chrX #6445		
10	Pdk3	1.88	ActReg chrX #6442		
11	Pcyt1b	2.09	ActReg chrX #6441		
12	Arhgap4	1.86	ActReg chrX #6419		
13	F8a	1.89	ActReg chrX #6415		
14	Mid1ip1	1.88	ActReg chrX #6356		
15	Tspan7	3.72	ActReg chrX #6355		
16	Pcsk1n	2.04	ActReg chrX #6347		
17	Cacna1f	3.90	ActReg chrX #6338		
18	D9Ert402e	2.01	ActReg chr9 #6323		
19	Dncl1c1	1.91	ActReg chr9 #6309		
20	Lrrc2	2.69	ActReg chr9 #6302		
21	Klhl18	2.49	ActReg chr9 #6300		
22	Mtap4	3.35	ActReg chr9 #6295		
23	Slc26a6	1.90	ActReg chr9 #6289		
24	1500005N04Rik	4.56	ActReg chr9 #6287		
25	Prkar2a	1.80	ActReg chr9 #6285		
26	4933406E20Rik	2.08	ActReg chr9 #6283		
27	4931406O17Rik	2.90	ActReg chr9 #6278		

28	Usp4	1.86		ActReg chr9 #6277		
29	Apeh	1.88		ActReg chr9 #6273		
30	Slc38a3	3.51		ActReg chr9 #6266		
31	Gnat1	3.51		ActReg chr9 #6266		
32	Cish	2.01		ActReg chr9 #6256		
33	Tex264	3.24		ActReg chr9 #6254		
34	Dusp7	2.58		ActReg chr9 #6251		
35	Pik3r4	1.81		ActReg chr9 #6245		
36	5730439E10Rik	1.87		ActReg chr9 #6243		
37	B130017P16Rik	3.63		ActReg chr9 #6241		
38	2610101N10Rik	2.33		ActReg chr9 #6215		
39	Nt5e	3.27		ActReg chr9 #6210		
40	Mod1	7.14		ActReg chr9 #6206		
41	Elovl4	1.83		ActReg chr9 #6201		
42	Impg1	7.92		ActReg chr9 #6196		
43	Fbxo9	2.14		ActReg chr9 #6191		
44	Mapk6	3.25		ActReg chr9 #6186		
45	Gnb5	8.38		ActReg chr9 #6185		
46	Bnip2	1.95		ActReg chr9 #6170		
47	Rora	2.34		ActReg chr9 #6168		
48	Csnk1g1	2.11		ActReg chr9 #6155		
49	AW742319	2.28		ActReg chr9 #6148		
50	Slc24a1	13.97		ActReg chr9 #6147		
51	Map2k1	2.04		ActReg chr9 #6143		
52	Coro2b	2.91		ActReg chr9 #6136		
53	Cd276	5.38		ActReg chr9 #6122		
54	Scamp2	2.02		ActReg chr9 #6116		
55	Scamp5	1.96		ActReg chr9 #6112		
56	Al118078	2.66		ActReg chr9 #6100		
57	Dnaja4	2.22		ActReg chr9 #6094		
58	Cul5	2.11		ActReg chr9 #6092		
59	Snf1lk2	5.48		ActReg chr9 #6088		
60	2310030G06Rik	4.91		ActReg chr9 #6086		
61	Igsf4a	1.93		ActReg chr9 #6079		
62	D030060M11Rik	2.06		ActReg chr9 #6078		
63	Pcsk7	2.17		ActReg chr9 #6075		
64	BC027092	2.31		ActReg chr9 #6074		

65	BC027092	6.33	ActReg chr9 #6073
66	Dscaml1	5.08	ActReg chr9 #6071
67	Slc37a4	2.00	ActReg chr9 #6061
68	Tmem24	5.40	ActReg chr9 #6057
69	Abcg4	2.51	ActReg chr9 #6055
70	Usp2	2.63	ActReg chr9 #6053
71	Gm184	3.32	ActReg chr9 #6052
72	Dcps	1.87	ActReg chr9 #6031
73	Hnt	2.96	ActReg chr9 #6024
74	BC038479	3.22	ActReg chr9 #6020
75	E130103I17Rik (Bb	3.78	ActReg chr9 #6014
76	Sitpec	1.85	ActReg chr9 #6009
77	C330001K17Rik	2.22	ActReg chr9 #6007
78	Ilf3	1.95	ActReg chr9 #5999
79	Ppan	2.02	ActReg chr9 #5992
80	Rdh8	5.70	ActReg chr9 #5990
81	LOC628856	2.53	ActReg chr8 #5957
82	Rbm34	2.01	ActReg chr8 #5956
83	2310031A18Rik	1.91	ActReg chr8 #5947
84	Nup133	1.83	ActReg chr8 #5945
85	Gas8	2.66	ActReg chr8 #5943
86	Afg3l1	1.96	ActReg chr8 #5942
87	Aprt	1.81	ActReg chr8 #5934
88	5830416A07Rik	2.03	ActReg chr8 #5931
89	BC025816	7.72	ActReg chr8 #5921
90	1700030J22Rik	2.08	ActReg chr8 #5910
91	Gabarapl2	2.60	ActReg chr8 #5904
92	Fuk	2.01	ActReg chr8 #5895
93	BC025546	2.30	ActReg chr8 #5891
94	Zfp612	2.03	ActReg chr8 #5890
95	Sntb2	2.77	ActReg chr8 #5878
96	Gm696	2.61	ActReg chr8 #5858
97	Lin10	2.02	ActReg chr8 #5854
98	4933409I22	4.26	ActReg chr8 #5848
99	Map1lc3-ps6	5.36	ActReg chr8 #5846
100	Cx3cl1	3.41	ActReg chr8 #5842
101	A330042H22	2.33	ActReg chr8 #5832

102	Fts	2.32	ActReg chr8 #5830
103	LOC244556	2.98	ActReg chr8 #5822
104	A330096I21Rik	4.00	ActReg chr8 #5813
105	TxnI6	3.30	ActReg chr8 #5764
106	BC051227	2.00	ActReg chr8 #5753
107	Gdf15	1.92	ActReg chr8 #5749
108	5330410G16Rik	2.75	ActReg chr8 #5743
109	Cope	2.85	ActReg chr8 #5740
110	Clcn3	1.97	ActReg chr8 #5719
111	Wdr17	3.73	ActReg chr8 #5712
112	Ing1l	1.91	ActReg chr8 #5707
113	Lrp2bp	2.09	ActReg chr8 #5700
114	BC035537	3.30	ActReg chr8 #5696
115	Mtus1	3.20	ActReg chr8 #5692
116	Zdhhc2	3.52	ActReg chr8 #5690
117	Plekha2	2.29	ActReg chr8 #5665
118	Polb, Ikbkb	1.81	ActReg chr8 #5660
119	Cln8	1.82	ActReg chr8 #5649
120	Gas6	2.33	ActReg chr8 #5646
121	Grk1	6.52	ActReg chr8 #5645
122	Tmco3	2.33	ActReg chr8 #5644
123	Grtp1	3.65	ActReg chr8 #5643
124	Lass4	2.34	ActReg chr8 #5634
125	Tspan4	2.48	ActReg chr7 #5609
126	Slc25a22	3.23	ActReg chr7 #5607
127	Taldo1	2.03	ActReg chr7 #5605
128	Drd4	5.45	ActReg chr7 #5603
129	5730427C23Rik	2.20	ActReg chr7 #5602
130	BC066028	2.19	ActReg chr7 #5596
131	Sprn	3.10	ActReg chr7 #5594
132	Drd1ip	4.04	ActReg chr7 #5591
133	Bnip3	2.41	ActReg chr7 #5588
134	Mapk1ip1	2.18	ActReg chr7 #5587
135	Ctbp2	3.01	ActReg chr7 #5581
136	A930008G19Rik (F	8.46	ActReg chr7 #5578
137	2310057M21Rik	1.94	ActReg chr7 #5571
138	Sephs2	1.87	ActReg chr7 #5541

139	Tbc1d10b	1.80		ActReg chr7 #5539		
140	Sez6l2	2.58		ActReg chr7 #5533		
141	4930451I11Rik	3.72		ActReg chr7 #5528		
142	Giyd2	1.98		ActReg chr7 #5525		
143	Btbd10	2.04		ActReg chr7 #5480		
144	Lmo1	1.87		ActReg chr7 #5466		
145	Smpd1	2.64		ActReg chr7 #5450		
146	Cckbr	4.27		ActReg chr7 #5449		
147	4632419K20Rik	1.95		ActReg chr7 #5447		
148	Clpb	1.83		ActReg chr7 #5433		
149	Plekhb1	3.67		ActReg chr7 #5431		
150	Uvrag	1.82		ActReg chr7 #5417		
151	Al875199	2.38		ActReg chr7 #5409		
152	Fzd4	2.89		ActReg chr7 #5398		
153	Ap3b2	1.80		ActReg chr7 #5390		
154	Pde8a	9.39		ActReg chr7 #5388		
155	Man2a2	2.67		ActReg chr7 #5382		
156	1700111A04Rik	1.85		ActReg chr7 #5377		
157	Pex11a	1.84		ActReg chr7 #5374		
158	Mfge8	3.32		ActReg chr7 #5371		
159	Chsy1	3.06		ActReg chr7 #5361		
160	LOC384622	5.43		ActReg chr7 #5340		
161	Kcnj14	7.60		ActReg chr7 #5335		
162	Pscd2	2.52		ActReg chr7 #5334		
163	Gm581	2.59		ActReg chr7 #5322		
164	Gm581	6.71		ActReg chr7 #5321		
165	1700008O03Rik	1.88		ActReg chr7 #5304		
166	C630016O21Rik	1.80		ActReg chr7 #5298		
167	Rgs9bp	5.72		ActReg chr7 #5283		
168	AY078069	2.33		ActReg chr7 #5263		
169	Capns1	2.15		ActReg chr7 #5259		
170	4732429I09Rik	1.80		ActReg chr7 #5256		
171	B230312I18Rik	1.99		ActReg chr7 #5253		
172	Sirt2	1.88		ActReg chr7 #5243		
173	Supt5h	2.51		ActReg chr7 #5235		
174	Sertad1	2.28		ActReg chr7 #5223		
175	Zfp526	2.49		ActReg chr7 #5209		

176	Atp1a3	2.05	ActReg chr7 #5207
177	Xrcc1	1.89	ActReg chr7 #5201
178	Zfp93	2.01	ActReg chr7 #5195
179	Zfp108	1.90	ActReg chr7 #5194
180	Zfp235	1.92	ActReg chr7 #5193
181	Pvr	2.85	ActReg chr7 #5188
182	Ercc1	3.75	ActReg chr7 #5181
183	Fosb	2.87	ActReg chr7 #5180
184	P42pop	3.47	ActReg chr7 #5174
185	Cabp5	4.84	ActReg chr7 #5160
186	Bhlhb3	3.41	ActReg chr6 #5110
187	Kras	2.33	ActReg chr6 #5109
188	St8sia1	2.15	ActReg chr6 #5106
189	Gabarapl1	2.00	ActReg chr6 #5084
190	9630033F20Rik	2.72	ActReg chr6 #5075
191	Vwf	2.33	ActReg chr6 #5073
192	Eno2	3.83	ActReg chr6 #5061
193	Pex5	1.93	ActReg chr6 #5059
194	Slc2a3	3.03	ActReg chr6 #5057
195	Atp6v1e1	1.96	ActReg chr6 #5051
196	Ankrd26	1.81	ActReg chr6 #5046
197	Tmcc1	1.97	ActReg chr6 #5032
198	Rho	9.96	ActReg chr6 #5031
199	6720456B07Rik	1.83	ActReg chr6 #5018
200	Bhlhb2	2.66	ActReg chr6 #5009
201	Slc6a6	2.36	ActReg chr6 #4996
202	Gpr175	1.83	ActReg chr6 #4990
203	Dusp11	1.95	ActReg chr6 #4975
204	1700003E16Rik	2.32	ActReg chr6 #4962
205	Hk2	3.00	ActReg chr6 #4956
206	Ggcx	2.10	ActReg chr6 #4950
207	C130092O11Rik	1.82	ActReg chr6 #4930
208	Herc3	2.57	ActReg chr6 #4929
209	Aqp1	6.74	ActReg chr6 #4919
210	A030007L17Rik	2.34	ActReg chr6 #4917
211	Fkbp14	2.01	ActReg chr6 #4916
212	Snx10	2.59	ActReg chr6 #4910

213	6330407D12Rik (C	3.22		ActReg chr6 #4905		
214	Atp6v0e2	2.22		ActReg chr6 #4900		
215	A630082K20Rik	2.05		ActReg chr6 #4883		
216	D130059P03Rik	1.82		ActReg chr6 #4880		
217	4921528H16Rik	1.99		ActReg chr6 #4868		
218	AB041803	3.12		ActReg chr6 #4866		
219	Ube2h	1.86		ActReg chr6 #4860		
220	2310016C08Rik	2.01		ActReg chr6 #4853		
221	Gngt1	9.41		ActReg chr6 #4822		
222	1200006F02Rik	2.28		ActReg chr5 #4810		
223	Rpo1-3	2.05		ActReg chr5 #4808		
224	Gtf3a	1.88		ActReg chr5 #4807		
225	Wasf3	4.49		ActReg chr5 #4804		
226	Arpc1a	2.15		ActReg chr5 #4795		
227	Zfp316	2.17		ActReg chr5 #4785		
228	LOC231836	2.00		ActReg chr5 #4771		
229	A930017N06Rik	4.17		ActReg chr5 #4767		
230	1810042K04Rik	1.81		ActReg chr5 #4766		
231	D830046C22Rik	1.85		ActReg chr5 #4764		
232	BC037034	1.94		ActReg chr5 #4758		
233	Ache	2.75		ActReg chr5 #4738		
234	Plod3	2.10		ActReg chr5 #4737		
235	Prkrip1	1.87		ActReg chr5 #4734		
236	Por	1.88		ActReg chr5 #4728		
237	Hip1	1.85		ActReg chr5 #4724		
238	Gats	1.97		ActReg chr5 #4713		
239	Rabgef1	4.64		ActReg chr5 #4710		
240	Kctd7	2.42		ActReg chr5 #4709		
241	Mmp17	3.89		ActReg chr5 #4702		
242	Aacs	2.21		ActReg chr5 #4699		
243	Dhx37	1.89		ActReg chr5 #4698		
244	Scarb1	2.44		ActReg chr5 #4696		
245	4432405B04Rik	1.96		ActReg chr5 #4694		
246	Rnf34	2.27		ActReg chr5 #4677		
247	Cdv1	1.80		ActReg chr5 #4673		
248	1500011H22Rik	1.92		ActReg chr5 #4671		
249	4921511C16	5.01		ActReg chr5 #4668		

250	B830028P19Rik	2.33		ActReg chr5 #4658		
251	A430105I05Rik	2.38		ActReg chr5 #4655		
252	Prkab1	2.24		ActReg chr5 #4651		
253	Prkab1	4.24		ActReg chr5 #4650		
254	Pop5	2.09		ActReg chr5 #4639		
255	Sppl3	2.04		ActReg chr5 #4636		
256	MGC67174	2.38		ActReg chr5 #4631		
257	LOC620925	2.06		ActReg chr5 #4626		
258	Atp5k	2.30		ActReg chr5 #4608		
259	Pde6b	4.97		ActReg chr5 #4607		
260	Pde6b	4.97		ActReg chr5 #4607		
261	A830010M20Rik	2.93		ActReg chr5 #4599		
262	Mapk10	2.71		ActReg chr5 #4590		
263	Arhgap24	3.14		ActReg chr5 #4588		
264	Cds1	6.79		ActReg chr5 #4587		
265	Prdm8	2.47		ActReg chr5 #4575		
266	Cdkl2	2.53		ActReg chr5 #4560		
267	Mobkl1a	2.02		ActReg chr5 #4553		
268	Tparl	1.97		ActReg chr5 #4541		
269	Ln timer	3.10		ActReg chr5 #4537		
270	3830408G10Rik	10.83		ActReg chr5 #4534		
271	Atp8a1	1.80		ActReg chr5 #4529		
272	Rbpsuh	2.04		ActReg chr5 #4517		
273	4932414K18Rik	4.77		ActReg chr5 #4511		
274	Bst1	4.17		ActReg chr5 #4510		
275	Lyar	2.25		ActReg chr5 #4503		
276	Ablim2	2.50		ActReg chr5 #4498		
277	2310079F23Rik	2.00		ActReg chr5 #4497		
278	Hdh	2.01		ActReg chr5 #4495		
279	Tnip2	2.38		ActReg chr5 #4493		
280	Zfyve28	2.93		ActReg chr5 #4491		
281	2410018C17Rik	1.80		ActReg chr5 #4485		
282	Ppp1cb	2.20		ActReg chr5 #4478		
283	4930553F24Rik	2.77		ActReg chr5 #4473		
284	Khk	2.19		ActReg chr5 #4462		
285	D5Wsu178e	1.86		ActReg chr5 #4454		
286	Rnf32	2.33		ActReg chr5 #4448		

287	Actr3b	2.59	ActReg chr5 #4443
288	Abcb8	1.95	ActReg chr5 #4431
289	1500019C06Rik	1.84	ActReg chr5 #4426
290	Lhfp13	4.12	ActReg chr5 #4423
291	Cldn12	1.87	ActReg chr5 #4406
292	Nadk	2.61	ActReg chr4 #4386
293	Gnb1	4.09	ActReg chr4 #4385
294	Prkcz	4.30	ActReg chr4 #4383
295	A930027K05Rik	3.01	ActReg chr4 #4381
296	2810405K02Rik	2.88	ActReg chr4 #4379
297	A430005L14Rik	2.24	ActReg chr4 #4376
298	Nphp4	1.99	ActReg chr4 #4375
299	Icmt	6.18	ActReg chr4 #4374
300	Icmt	4.01	ActReg chr4 #4373
301	Tas1r1	3.08	ActReg chr4 #4370
302	Klhl21	2.99	ActReg chr4 #4369
303	Camta1	1.91	ActReg chr4 #4368
304	Per3	2.02	ActReg chr4 #4366
305	Park7	1.86	ActReg chr4 #4365
306	5730438N18Rik	1.96	ActReg chr4 #4363
307	Dhrs3	3.73	ActReg chr4 #4346
308	Crocc	2.05	ActReg chr4 #4335
309	Sdhb	1.80	ActReg chr4 #4333
310	Aldh4a1	2.24	ActReg chr4 #4330
311	2310028O11Rik	1.85	ActReg chr4 #4326
312	Pla2g5	6.20	ActReg chr4 #4324
313	1810006K23Rik	2.18	ActReg chr4 #4322
314	0610009K11Rik	1.96	ActReg chr4 #4321
315	Pink1	2.19	ActReg chr4 #4320
316	Sh2d5	5.36	ActReg chr4 #4318
317	Hmgcl	1.88	ActReg chr4 #4306
318	Npal3	1.88	ActReg chr4 #4303
319	Ubx5	2.87	ActReg chr4 #4293
320	Atpbd1b	1.95	ActReg chr4 #4288
321	Rpa2	1.82	ActReg chr4 #4280
322	Eya3	1.89	ActReg chr4 #4279
323	Sesn2	3.08	ActReg chr4 #4277

324	Epb4.1	2.36	ActReg chr4 #4270
325	Epb4.1	3.10	ActReg chr4 #4269
326	Rprc1	1.90	ActReg chr4 #4245
327	Snip1	1.82	ActReg chr4 #4240
328	Nfyc	2.27	ActReg chr4 #4223
329	Slc2a1	1.87	ActReg chr4 #4214
330	Slc6a9	1.94	ActReg chr4 #4206
331	Prnpip1	5.29	ActReg chr4 #4205
332	Gloxd1	1.99	ActReg chr4 #4201
333	Scp2	2.64	ActReg chr4 #4165
334	Slc1a7	4.52	ActReg chr4 #4164
335	0610037L13Rik	2.14	ActReg chr4 #4163
336	Magoh	1.82	ActReg chr4 #4162
337	Mrpl37	1.87	ActReg chr4 #4160
338	Mier1	3.36	ActReg chr4 #4152
339	Sgip1	2.18	ActReg chr4 #4151
340	Dnajc6	1.94	ActReg chr4 #4148
341	Pgm2	2.27	ActReg chr4 #4147
342	D530005L17Rik	1.95	ActReg chr4 #4122
343	4930473A06Rik	1.84	ActReg chr4 #4121
344	Jmjd2c	5.62	ActReg chr4 #4114
345	Whrn	4.31	ActReg chr4 #4107
346	Slc31a2	5.07	ActReg chr4 #4103
347	Nr4a3	2.19	ActReg chr4 #4085
348	4930412F15Rik	2.69	ActReg chr4 #4070
349	Ubap1	2.04	ActReg chr4 #4054
350	B4galt1	2.27	ActReg chr4 #4046
351	A930001M12Rik	2.04	ActReg chr4 #4042
352	Fbxl4	1.99	ActReg chr4 #4020
353	Plekhf2	2.50	ActReg chr4 #3997
354	Negr1	3.14	ActReg chr3 #3985
355	Dnajb4	2.67	ActReg chr3 #3977
356	Ssx2ip	1.86	ActReg chr3 #3970
357	Cyp2u1	2.31	ActReg chr3 #3948
358	G430022H21Rik	2.21	ActReg chr3 #3934
359	Gpsm2	7.90	ActReg chr3 #3919
360	Psma5	2.13	ActReg chr3 #3912

361	Ahcyl1	1.89	ActReg chr3 #3908
362	Slc16a1	3.31	ActReg chr3 #3894
363	9430063L05Rik	2.92	ActReg chr3 #3878
364	Prkab2	2.03	ActReg chr3 #3877
365	0610031J06Rik	2.03	ActReg chr3 #3800
366	Mef2d	2.10	ActReg chr3 #3798
367	Glt28d2	3.96	ActReg chr3 #3781
368	Arfp1	1.92	ActReg chr3 #3778
369	Gucy1a3	1.95	ActReg chr3 #3774
370	Gria2	1.82	ActReg chr3 #3773
371	Slitrk3	1.98	ActReg chr3 #3768
372	LOC622434	1.89	ActReg chr3 #3751
373	Mbnl1	2.31	ActReg chr3 #3748
374	4930583H14Rik	3.77	ActReg chr3 #3732
375	Ccrn4l	1.89	ActReg chr3 #3731
376	Bbs7	3.08	ActReg chr3 #3718
377	Ttc14	1.87	ActReg chr3 #3712
378	Actl6a	1.83	ActReg chr3 #3708
379	1700008G05Rik	2.07	ActReg chr3 #3689
380	Pcmt2	1.86	ActReg chr2 #3679
381	Uckl1	3.87	ActReg chr2 #3674
382	Stmn3	1.82	ActReg chr2 #3669
383	Eef1a2	2.56	ActReg chr2 #3666
384	Slco4a1	4.18	ActReg chr2 #3660
385	Ube2v1	2.36	ActReg chr2 #3645
386	Spata2	2.09	ActReg chr2 #3643
387	1110018N20Rik	4.49	ActReg chr2 #3641
388	Trp53rk	2.09	ActReg chr2 #3637
389	Slc12a5	4.67	ActReg chr2 #3632
390	Sdc4	2.46	ActReg chr2 #3621
391	Phf20	2.03	ActReg chr2 #3596
392	Snta1	5.30	ActReg chr2 #3577
393	Plagl2	1.93	ActReg chr2 #3574
394	AL033326	2.24	ActReg chr2 #3568
395	Srxn1	2.07	ActReg chr2 #3565
396	2310001A20Rik	1.88	ActReg chr2 #3557
397	4930529M08Rik	1.90	ActReg chr2 #3542

398	Jag1	2.10	ActReg chr2 #3530
399	Snap25	2.45	ActReg chr2 #3527
400	Prnp	2.41	ActReg chr2 #3518
401	2310035K24Rik	2.04	ActReg chr2 #3514
402	Itpa	2.44	ActReg chr2 #3510
403	Mrps26	2.08	ActReg chr2 #3509
404	Stk35	2.66	ActReg chr2 #3502
405	Ptpns1	1.85	ActReg chr2 #3501
406	Zfp661	2.49	ActReg chr2 #3489
407	Stard7	2.37	ActReg chr2 #3488
408	Ckmt1	4.44	ActReg chr2 #3460
409	Ccndbp1	2.33	ActReg chr2 #3454
410	Ehd4	2.36	ActReg chr2 #3445
411	Rtf1	1.80	ActReg chr2 #3439
412	Vps18	2.21	ActReg chr2 #3435
413	Disp2	2.01	ActReg chr2 #3429
414	Srp14	2.03	ActReg chr2 #3427
415	Gja9	2.75	ActReg chr2 #3419
416	Fmn1	3.62	ActReg chr2 #3416
417	Hipk3	1.93	ActReg chr2 #3395
418	A930018P22Rik	3.52	ActReg chr2 #3394
419	Cry2	2.26	ActReg chr2 #3379
420	Madd	2.24	ActReg chr2 #3370
421	C1qtnf4	4.11	ActReg chr2 #3367
422	D430039N05Rik	2.07	ActReg chr2 #3349
423	Zfp533	2.07	ActReg chr2 #3339
424	Chn1	1.91	ActReg chr2 #3326
425	Slc25a12	2.18	ActReg chr2 #3318
426	Ppig	1.98	ActReg chr2 #3313
427	Lrp2	3.69	ActReg chr2 #3311
428	Slc4a10	1.90	ActReg chr2 #3308
429	Pla2g1br	4.72	ActReg chr2 #3306
430	Ndufa8	1.91	ActReg chr2 #3280
431	Stom	4.36	ActReg chr2 #3276
432	Rab14	2.08	ActReg chr2 #3275
433	Pbx3	2.76	ActReg chr2 #3267
434	Zfp297b	1.80	ActReg chr2 #3266

435	Slc2a8	2.02	ActReg chr2 #3263
436	Ak1	1.81	ActReg chr2 #3258
437	Ptges2	1.98	ActReg chr2 #3255
438	Dnm1	2.94	ActReg chr2 #3253
439	LOC622345	5.76	ActReg chr2 #3247
440	5730472N09Rik	2.22	ActReg chr2 #3240
441	Phyhd1	2.02	ActReg chr2 #3238
442	Endog	1.89	ActReg chr2 #3235
443	Pkn3	2.30	ActReg chr2 #3232
444	Ntng2	2.52	ActReg chr2 #3222
445	Ttf1	1.84	ActReg chr2 #3219
446	Rxra	2.66	ActReg chr2 #3216
447	Ubadc1	1.85	ActReg chr2 #3205
448	Camsap1	2.30	ActReg chr2 #3204
449	Dpp7	1.99	ActReg chr2 #3197
450	Dnajc1	1.83	ActReg chr2 #3179
451	C1ql3	2.30	ActReg chr2 #3165
452	Abca4	5.79	ActReg chr2 #3158
453	Camk1d	2.97	ActReg chr2 #3151
454	1810055E12Rik	2.71	ActReg chr19 #3138
455	6430537H07Rik	2.61	ActReg chr19 #3132
456	Ablim1	11.13	ActReg chr19 #3127
457	Pdcd11	1.94	ActReg chr19 #3105
458	Sfxn2	3.04	ActReg chr19 #3101
459	4930538D17Rik	2.26	ActReg chr19 #3099
460	Gbf1	2.11	ActReg chr19 #3096
461	Pprc1	1.97	ActReg chr19 #3095
462	Hps6	3.31	ActReg chr19 #3094
463	Usp6nl	5.77	ActReg chr19 #3091
464	Sfxn3	2.01	ActReg chr19 #3088
465	Avpi1	1.94	ActReg chr19 #3068
466	Pgam1	2.13	ActReg chr19 #3066
467	AA408556	1.80	ActReg chr19 #3065
468	4930521E07Rik	1.92	ActReg chr19 #3059
469	Cpeb3	2.55	ActReg chr19 #3052
470	Kcnv2	5.14	ActReg chr19 #3022
471	Vldlr	3.02	ActReg chr19 #3021

472	Smarca2	2.27		ActReg chr19 #3019		
473	Dock8	3.89		ActReg chr19 #3018		
474	Klf9	3.42		ActReg chr19 #3011		
475	Stx3	3.00		ActReg chr19 #2992		
476	Cox8a	1.98		ActReg chr19 #2958		
477	Trpt1	1.89		ActReg chr19 #2955		
478	Ppp2r5b	1.83		ActReg chr19 #2946		
479	Snx15	1.96		ActReg chr19 #2943		
480	Cdc42ep2	3.33		ActReg chr19 #2938		
481	Dpf2	1.98		ActReg chr19 #2937		
482	B930037P14Rik	2.12		ActReg chr19 #2929		
483	Peli3	1.89		ActReg chr19 #2918		
484	Ctsf	1.84		ActReg chr19 #2915		
485	Pold4	1.94		ActReg chr19 #2909		
486	Cabp4	4.80		ActReg chr19 #2907		
487	Pitpnm1	2.86		ActReg chr19 #2905		
488	Ndufv1	2.25		ActReg chr19 #2903		
489	LOC628766	2.71		ActReg chr19 #2896		
490	1810005K13Rik	6.20		ActReg chr18 #2883		
491	Gm672	2.91		ActReg chr18 #2872		
492	Rpl17	2.98		ActReg chr18 #2869		
493	Acaa2	2.82		ActReg chr18 #2868		
494	Smad4	1.82		ActReg chr18 #2864		
495	Dcc	1.96		ActReg chr18 #2862		
496	Cplx4	6.32		ActReg chr18 #2851		
497	Napg	1.81		ActReg chr18 #2842		
498	Ppargc1b	2.39		ActReg chr18 #2837		
499	Pde6a	4.23		ActReg chr18 #2836		
500	Atg12	2.07		ActReg chr18 #2822		
501	Arhgap26	1.88		ActReg chr18 #2810		
502	0610010O12Rik	3.10		ActReg chr18 #2793		
503	Egr1	2.19		ActReg chr18 #2780		
504	Rit2	2.88		ActReg chr18 #2759		
505	BC021395	2.11		ActReg chr18 #2755		
506	Mapre2	3.14		ActReg chr18 #2749		
507	Npc1	2.39		ActReg chr18 #2739		
508	3110002H16Rik	1.81		ActReg chr18 #2738		

509	Abhd3	2.33		ActReg chr18 #2733		
510	Svil	2.00		ActReg chr18 #2722		
511	Epas1	3.09		ActReg chr17 #2706		
512	Map4k3	3.82		ActReg chr17 #2695		
513	BC027072	4.02		ActReg chr17 #2674		
514	Ankrd12	3.33		ActReg chr17 #2666		
515	Pja2	1.86		ActReg chr17 #2662		
516	2610034M16Rik	9.26		ActReg chr17 #2659		
517	Spata11	1.84		ActReg chr17 #2652		
518	Dus3	1.81		ActReg chr17 #2650		
519	4933402B14Rik	2.40		ActReg chr17 #2648		
520	Jmjd2b	1.82		ActReg chr17 #2645		
521	Ubx1	1.86		ActReg chr17 #2641		
522	Guca1a	11.97		ActReg chr17 #2622		
523	Guca1b	5.63		ActReg chr17 #2621		
524	Rds	4.09		ActReg chr17 #2618		
525	LOC626073	2.14		ActReg chr17 #2583		
526	Gtf2h4	1.90		ActReg chr17 #2574		
527	Vars2l	2.17		ActReg chr17 #2573		
528	Hspa1a	2.95		ActReg chr17 #2564		
529	Ppt2	1.80		ActReg chr17 #2559		
530	BC033916	3.16		ActReg chr17 #2548		
531	6030422M01Rik	6.56		ActReg chr17 #2535		
532	4930511I11Rik	4.48		ActReg chr17 #2505		
533	Tulp1	3.46		ActReg chr17 #2504		
534	Fance	1.83		ActReg chr17 #2501		
535	Syngap1	2.15		ActReg chr17 #2491		
536	AI429612	2.37		ActReg chr17 #2485		
537	Rab11fip3	2.75		ActReg chr17 #2482		
538	Gnptg	1.80		ActReg chr17 #2470		
539	1200003M09Rik	1.84		ActReg chr17 #2468		
540	Sepx1	2.05		ActReg chr17 #2462		
541	Ntn2l	2.99		ActReg chr17 #2451		
542	Paqr4	2.45		ActReg chr17 #2443		
543	BC018101	2.50		ActReg chr17 #2424		
544	LOC626557	2.38		ActReg chr17 #2422		
545	Igf2r	1.86		ActReg chr17 #2409		

546	Pacrg	3.06		ActReg chr17 #2408		
547	D16Ertd472e	2.27		ActReg chr16 #2361		
548	Impg2	2.19		ActReg chr16 #2347		
549	D16Ertd480e	1.83		ActReg chr16 #2328		
550	Stxbp5l	3.06		ActReg chr16 #2311		
551	Sec22l2	2.42		ActReg chr16 #2304		
552	0610012D17Rik	1.86		ActReg chr16 #2292		
553	Al315068	1.82		ActReg chr16 #2269		
554	Snap29	1.98		ActReg chr16 #2243		
555	Lzf	1.83		ActReg chr16 #2205		
556	4930451G09Rik	2.09		ActReg chr16 #2204		
557	Dnaja3	1.90		ActReg chr16 #2201		
558	Zfp385	1.94		ActReg chr15 #2190		
559	Smug1	3.88		ActReg chr15 #2187		
560	Calcoco1	2.08		ActReg chr15 #2185		
561	LOC432988	2.56		ActReg chr15 #2175		
562	Rarg	2.19		ActReg chr15 #2174		
563	Acvrl1	4.69		ActReg chr15 #2169		
564	Ankrd33	5.25		ActReg chr15 #2168		
565	Dazap2	2.59		ActReg chr15 #2167		
566	D15Ertd366e	9.59		ActReg chr15 #2161		
567	Adcy6	2.86		ActReg chr15 #2152		
568	LOC629111	4.87		ActReg chr15 #2140		
569	Gm87	2.03		ActReg chr15 #2138		
570	Cerk	2.86		ActReg chr15 #2122		
571	Adpn	3.08		ActReg chr15 #2115		
572	2310042L06Rik	2.24		ActReg chr15 #2100		
573	Pmm1	2.30		ActReg chr15 #2097		
574	Syng1	2.33		ActReg chr15 #2083		
575	Dnalc4	1.91		ActReg chr15 #2081		
576	Polr2f	1.96		ActReg chr15 #2073		
577	Gga1	2.06		ActReg chr15 #2069		
578	Vps28	2.84		ActReg chr15 #2055		
579	Scrt1	1.94		ActReg chr15 #2053		
580	Tssk5	2.78		ActReg chr15 #2050		
581	Brp16	2.04		ActReg chr15 #2049		
582	Rhpn1	1.82		ActReg chr15 #2037		

583	Ptp4a3	1.85		ActReg chr15 #2035		
584	St3gal1	3.69		ActReg chr15 #2030		
585	Lrp12	1.93		ActReg chr15 #2001		
586	Polr2k	2.01		ActReg chr15 #1991		
587	Cox6c	1.93		ActReg chr15 #1990		
588	Laptm4b	2.34		ActReg chr15 #1982		
589	Mtdh	2.43		ActReg chr15 #1981		
590	Pdzk3	2.59		ActReg chr15 #1969		
591	Amacr	1.96		ActReg chr15 #1966		
592	AU040377	2.25		ActReg chr15 #1956		
593	Mbnl2	2.36		ActReg chr14 #1938		
594	Ndfip2	2.01		ActReg chr14 #1932		
595	LOC620637	1.86		ActReg chr14 #1929		
596	Gtf2f2	2.13		ActReg chr14 #1913		
597	Nudt18	1.80		ActReg chr14 #1897		
598	Ppp3cc	2.55		ActReg chr14 #1895		
599	Rp1hl1	6.74		ActReg chr14 #1874		
600	Neil2	2.11		ActReg chr14 #1871		
601	Ctsb	2.00		ActReg chr14 #1869		
602	Nupl1	1.86		ActReg chr14 #1861		
603	Sap18	2.06		ActReg chr14 #1856		
604	Lats2	2.53		ActReg chr14 #1855		
605	9130227C08Rik	2.01		ActReg chr14 #1844		
606	Slc7a8	3.41		ActReg chr14 #1833		
607	Rpgrip1	2.31		ActReg chr14 #1819		
608	Tep1	1.84		ActReg chr14 #1811		
609	Gnpnat1	1.99		ActReg chr14 #1796		
610	Ero1l	2.12		ActReg chr14 #1795		
611	5730469M10Rik	2.11		ActReg chr14 #1791		
612	Pcdh21	3.17		ActReg chr14 #1789		
613	Lrrc22	2.91		ActReg chr14 #1788		
614	Lrrc21	3.15		ActReg chr14 #1787		
615	Bmpr1a	1.91		ActReg chr14 #1785		
616	Tnnc1	2.15		ActReg chr14 #1771		
617	Vcl	2.31		ActReg chr14 #1747		
618	Nr1d2	2.26		ActReg chr14 #1736		
619	Top2b	1.81		ActReg chr14 #1734		

620	4933425A18Rik	1.82		ActReg chr14 #1732		
621	Slc4a7	4.20		ActReg chr14 #1731		
622	Abhd6	2.17		ActReg chr14 #1725		
623	4833420G17Rik	2.31		ActReg chr13 #1724		
624	Hcn1	3.24		ActReg chr13 #1721		
625	Pelo	1.95		ActReg chr13 #1718		
626	9130023D20Rik	1.83		ActReg chr13 #1712		
627	Il6st	1.88		ActReg chr13 #1710		
628	Ercc8	1.96		ActReg chr13 #1707		
629	Pik3r1	2.45		ActReg chr13 #1698		
630	Aggf1	4.80		ActReg chr13 #1677		
631	Pde8b	4.01		ActReg chr13 #1675		
632	Mef2c	6.71		ActReg chr13 #1656		
633	Mass1	2.14		ActReg chr13 #1652		
634	2610014M12Rik	1.89		ActReg chr13 #1627		
635	A530094I17Rik	1.95		ActReg chr13 #1625		
636	C330011K17Rik	1.82		ActReg chr13 #1624		
637	BC028265	1.85		ActReg chr13 #1621		
638	Fancc	1.84		ActReg chr13 #1608		
639	Ddx41	2.06		ActReg chr13 #1587		
640	4833439L19Rik	1.98		ActReg chr13 #1577		
641	Sptlc1	1.93		ActReg chr13 #1575		
642	Nfil3	1.92		ActReg chr13 #1574		
643	4930519N16Rik	3.26		ActReg chr13 #1568		
644	Susd3	3.46		ActReg chr13 #1562		
645	1110007C09Rik	1.80		ActReg chr13 #1561		
646	lbrdc2	2.39		ActReg chr13 #1559		
647	Sca1	3.79		ActReg chr13 #1554		
648	Jarid2	2.79		ActReg chr13 #1552		
649	Nqo2	2.00		ActReg chr13 #1531		
650	Dusp22	2.73		ActReg chr13 #1527		
651	E2f3	3.29		ActReg chr13 #1524		
652	Zfp187	2.10		ActReg chr13 #1491		
653	Zfp306	2.81		ActReg chr13 #1490		
654	Amph	5.16		ActReg chr13 #1485		
655	Lgals8	2.00		ActReg chr13 #1472		
656	Heatr1	1.84		ActReg chr13 #1471		

657	Pfklp	3.16		ActReg chr13 #1462		
658	Siva	2.41		ActReg chr12 #1446		
659	Adssl1	2.31		ActReg chr12 #1445		
660	BC048943	2.08		ActReg chr12 #1444		
661	2010107E04Rik	1.83		ActReg chr12 #1443		
662	LOC629622	2.43		ActReg chr12 #1438		
663	2310040A13Rik	1.84		ActReg chr12 #1437		
664	1700001K19Rik	4.67		ActReg chr12 #1435		
665	LOC629605	1.92		ActReg chr12 #1434		
666	Otub2	2.32		ActReg chr12 #1427		
667	Chga	2.28		ActReg chr12 #1425		
668	Ttc8	2.99		ActReg chr12 #1412		
669	Ttc8	2.46		ActReg chr12 #1411		
670	Angel1	1.83		ActReg chr12 #1398		
671	1110008B24Rik	1.86		ActReg chr12 #1388		
672	Rnf113a	1.80		ActReg chr12 #1385		
673	Dpf3	2.27		ActReg chr12 #1376		
674	Dpf3	6.47		ActReg chr12 #1375		
675	Gm1568	3.19		ActReg chr12 #1369		
676	Actn1	2.45		ActReg chr12 #1367		
677	Rdh12	5.68		ActReg chr12 #1364		
678	Arg2	3.96		ActReg chr12 #1362		
679	6330442E10Rik	5.40		ActReg chr12 #1360		
680	Plekkg3	3.90		ActReg chr12 #1354		
681	Rplp2	13.80		ActReg chr12 #1350		
682	Snapc1	2.00		ActReg chr12 #1348		
683	Dhrs7	1.96		ActReg chr12 #1344		
684	Gpr135	1.83		ActReg chr12 #1341		
685	Txndc1	1.89		ActReg chr12 #1334		
686	Ahr	3.98		ActReg chr12 #1289		
687	Tmem18	1.89		ActReg chr12 #1276		
688	BC068281	2.14		ActReg chr12 #1245		
689	Crlf3	2.77		ActReg chr11 #993		
690	4732497O03Rik	1.80		ActReg chr11 #991		
691	Vtn	4.43		ActReg chr11 #980		
692	2310047D13Rik	1.81		ActReg chr11 #964		
693	Doc2b	2.87		ActReg chr11 #962		

694	Camkk1	2.31	ActReg chr11 #942
695	A330068P14Rik	1.94	ActReg chr11 #936
696	A330068P14Rik	4.00	ActReg chr11 #935
697	Aipl1	6.40	ActReg chr11 #934
698	Al842396	1.81	ActReg chr11 #928
699	Camta2	2.04	ActReg chr11 #927
700	Acadvl	2.31	ActReg chr11 #918
701	Tnfsf12	4.97	ActReg chr11 #909
702	Senp3	1.80	ActReg chr11 #908
703	Gucy2e	3.25	ActReg chr11 #899
704	Per1	2.20	ActReg chr11 #897
705	Slc25a35	3.65	ActReg chr11 #894
706	Rcvrn	10.86	ActReg chr11 #888
707	Hs3st3b1	2.08	ActReg chr11 #882
708	Zfp287	1.91	ActReg chr11 #880
709	Eppb9	2.14	ActReg chr11 #872
710	Gtlf3b	1.90	ActReg chr11 #868
711	BC003479	1.85	ActReg chr11 #866
712	Jmjd4	1.95	ActReg chr11 #852
713	Gm249	3.34	ActReg chr11 #851
714	Guk1	4.47	ActReg chr11 #848
715	Mrpl22	2.34	ActReg chr11 #841
716	Galnt10	2.16	ActReg chr11 #836
717	Ppp2ca	2.22	ActReg chr11 #820
718	Phf15	2.66	ActReg chr11 #818
719	Sec24a	1.90	ActReg chr11 #817
720	0610039K22Rik	1.82	ActReg chr11 #815
721	Grm6	4.45	ActReg chr11 #808
722	Ttc1	1.87	ActReg chr11 #786
723	Gabra1	2.71	ActReg chr11 #785
724	Spnb2	1.92	ActReg chr11 #770
725	Rtn4	3.61	ActReg chr11 #768
726	U2af1-rs1	3.09	ActReg chr11 #753
727	AV249152	2.05	ActReg chr11 #750
728	1110067D22Rik	1.85	ActReg chr11 #748
729	LOC626317	2.42	ActReg chr11 #725
730	BC018601	1.90	ActReg chr11 #716

731	Xbp1	2.24	ActReg chr11 #715
732	Ap1b1	2.16	ActReg chr11 #712
733	Fmip	4.89	ActReg chr11 #711
734	Sec14l2	3.48	ActReg chr11 #707
735	Slc35e4	2.29	ActReg chr11 #704
736	Osbp2	10.22	ActReg chr11 #702
737	Fn3k	2.78	ActReg chr11 #1233
738	Csnk1d	1.85	ActReg chr11 #1228
739	Pde6g	5.41	ActReg chr11 #1217
740	2310003H01Rik	2.40	ActReg chr11 #1215
741	Aatk	1.99	ActReg chr11 #1212
742	A730011L01Rik	1.82	ActReg chr11 #1209
743	Cbx8	1.88	ActReg chr11 #1206
744	Usp36	1.91	ActReg chr11 #1202
745	Sec14l1	5.00	ActReg chr11 #1199
746	Sec14l1	2.02	ActReg chr11 #1198
747	LOC629972	5.18	ActReg chr11 #1193
748	Prpsap1	1.84	ActReg chr11 #1190
749	Llg1h2	3.17	ActReg chr11 #1179
750	Caskin2	2.47	ActReg chr11 #1178
751	Prkar1a	1.88	ActReg chr11 #1158
752	Slc16a6	2.57	ActReg chr11 #1156
753	Gna13	1.81	ActReg chr11 #1155
754	Rgs9	5.40	ActReg chr11 #1154
755	Nsf	2.21	ActReg chr11 #1136
756	Plekhm1	1.82	ActReg chr11 #1134
757	Acbd4	5.50	ActReg chr11 #1130
758	Arfl4	3.56	ActReg chr11 #1113
759	Vps25	1.83	ActReg chr11 #1107
760	Ezh1	2.06	ActReg chr11 #1106
761	4933404O19Rik	2.14	ActReg chr11 #1098
762	Thrap4	2.51	ActReg chr11 #1082
763	Ormdl3	2.55	ActReg chr11 #1081
764	Mlt6	5.63	ActReg chr11 #1072
765	Socs7	2.97	ActReg chr11 #1071
766	Mrpl45	3.05	ActReg chr11 #1070
767	Snx11	2.23	ActReg chr11 #1063

768	Tob1	2.98	ActReg chr11 #1049
769	Nme1	2.01	ActReg chr11 #1045
770	Dgke	2.80	ActReg chr11 #1041
771	Trim25	2.43	ActReg chr11 #1040
772	Msi2h	1.85	ActReg chr11 #1038
773	Sept4	2.12	ActReg chr11 #1030
774	0610013E23Rik	1.84	ActReg chr11 #1019
775	Dusp14	2.03	ActReg chr11 #1008
776	Pip5k2c	4.91	ActReg chr10 #659
777	2610528O22Rik	1.89	ActReg chr10 #654
778	Gns	2.07	ActReg chr10 #651
779	Mdm1	2.15	ActReg chr10 #648
780	6430590A10Rik	2.11	ActReg chr10 #623
781	Phxr2	2.79	ActReg chr10 #619
782	E130012K09	2.32	ActReg chr10 #614
783	Metap2	2.15	ActReg chr10 #611
784	Actr6	2.15	ActReg chr10 #604
785	Gnn	1.86	ActReg chr10 #599
786	Ric8b	1.94	ActReg chr10 #593
787	Apba3	2.40	ActReg chr10 #576
788	Thop1	1.81	ActReg chr10 #573
789	Amh	2.40	ActReg chr10 #566
790	6330514A18Rik	4.40	ActReg chr10 #556
791	Dp1l1	4.46	ActReg chr10 #555
792	Atp5d	2.14	ActReg chr10 #549
793	ORF61	2.19	ActReg chr10 #547
794	Ppap2c	3.87	ActReg chr10 #540
795	Pdxk	2.34	ActReg chr10 #537
796	Pfkl	1.86	ActReg chr10 #534
797	Ndg2	4.09	ActReg chr10 #523
798	Gnaz	2.97	ActReg chr10 #515
799	lpmk	2.48	ActReg chr10 #510
800	Rhobtb1	1.91	ActReg chr10 #506
801	Nrbf2	2.09	ActReg chr10 #502
802	Dnajc12	2.19	ActReg chr10 #499
803	3110049J23Rik	7.84	ActReg chr10 #496
804	Hk1	2.35	ActReg chr10 #489

805	Tysnd1	2.18	ActReg chr10 #487
806	Ppa1	1.89	ActReg chr10 #485
807	Psap	1.85	ActReg chr10 #483
808	Dnajb12	1.80	ActReg chr10 #480
809	P4ha1	1.94	ActReg chr10 #478
810	1700021F05Rik	1.97	ActReg chr10 #454
811	Cd164	1.84	ActReg chr10 #444
812	Rev3l	1.83	ActReg chr10 #433
813	Sgk	3.83	ActReg chr10 #405
814	Mtap7	1.80	ActReg chr10 #401
815	Tnfaip3	4.50	ActReg chr10 #397
816	Syne1	7.15	ActReg chr10 #380
817	Syne1	4.93	ActReg chr10 #377
818	Mpp4	3.67	ActReg chr1 #82
819	1500041J02Rik	2.28	ActReg chr1 #70
820	D230012E17Rik	2.20	ActReg chr1 #68
821	Pdcl3	1.97	ActReg chr1 #48
822	Tsga10	1.97	ActReg chr1 #43
823	BC050210	1.89	ActReg chr1 #39
824	Camk1g	3.10	ActReg chr1 #370
825	3322402L07Rik	2.83	ActReg chr1 #365
826	Atf3	3.46	ActReg chr1 #362
827	Prox1	2.07	ActReg chr1 #357
828	LOC621436	3.21	ActReg chr1 #355
829	Esrrg	2.35	ActReg chr1 #354
830	Cnnm4	1.87	ActReg chr1 #35
831	Fbxo28	1.82	ActReg chr1 #346
832	Pycr2	2.02	ActReg chr1 #341
833	Kcnj9	3.18	ActReg chr1 #314
834	Ndufs2	4.77	ActReg chr1 #299
835	Pcp4l1	3.53	ActReg chr1 #298
836	Uhmk1	4.69	ActReg chr1 #294
837	Pogk	2.10	ActReg chr1 #285
838	BC034090	4.21	ActReg chr1 #253
839	Ivns1abp	2.27	ActReg chr1 #243
840	Pdc	3.39	ActReg chr1 #240
841	B3galt2	1.89	ActReg chr1 #235

842	Kif21b	2.78	ActReg chr1 #226		
843	Tnni1	2.86	ActReg chr1 #224		
844	Jarid1b	1.92	ActReg chr1 #217		
845	Nfasc	2.32	ActReg chr1 #210		
846	Slc41a1	2.04	ActReg chr1 #204		
847	Stk25	1.82	ActReg chr1 #171		
848	Sept2	1.84	ActReg chr1 #170		
849	Kif1a	2.42	ActReg chr1 #166		
850	Asb1	1.82	ActReg chr1 #161		
851	Scly	2.19	ActReg chr1 #156		
852	Sag	4.13	ActReg chr1 #151		
853	Sag	5.20	ActReg chr1 #150		
854	Dnajb10	2.84	ActReg chr1 #133		
855	Tuba4	4.13	ActReg chr1 #132		
856	Zfand2b	1.84	ActReg chr1 #129		
857	Slc23a3	1.86	ActReg chr1 #127		
858	Cdk5r2	4.89	ActReg chr1 #126		
859	Brp17	1.91	ActReg chr1 #119		
860	Wdt2	3.20	ActReg chr1 #112		
861	Mtap2	2.65	ActReg chr1 #108		
862	4930418G15Rik	2.14	ActReg chr1 #10		
863	Rp1h	2.93	ActReg chr1 #1		