

Supplemental Table 3: Novel gene activation increases predicted by Pol-II ChIP-on-Chip

Genes were unique to the ChIP-on-Chip data set after comparison with two previous expression
Compared gene lists are found on the "Comparisons to Microarray Data" tab.

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Mol.Vision.

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820 genes, 463 clustered with

DAVID Database: GOTERM_BP_ALL

Total: 463

Pop Total: 1

S.No	Term	Count	Enrichment score	%	Genes
1	GO:0045449~regulation of transcription	90	2.6	14%	Taf5, Pprc1,
2	GO:0010467~gene expression	118	2.6	18%	Phf20, Pprc1
3	GO:0007601~visual perception	13	1.5	2%	Cln8, Pdcl3,
4	GO:0003008~system process (vision)	25	1.5	4%	Tnnc1, Tas1
5	GO:0006810~transport	92	1.4	14%	Nupl1, Actr6,
6	GO:0007602~phototransduction	3	0.7	0.5%	Pdcl3, Aipl1,
7	GO:0007165~signal transduction	79	0.7	12%	Prkar1a, B93
8	GO:0007399~nervous system development	18	0.5	3%	Cln8, Dcc, Si
9	GO:0048666~neuron development	9	0.5	1%	Stmn3, Slitrk
10	GO:0007268~synaptic transmission	4	0.4	1%	Cln8, Park7,
11	GO:0051276~chromosome organization and biogenesis	12	0.3	2%	Smarca2, Jr
12	GO:0016568~chromatin modification	5	0.3	1%	Jmjd2c, Actl6
13	GO:0006811~ion transport	17	0.2	3%	Slc26a6, Tm
14	GO:0007417~central nervous system development	5	0.2	1%	Cln8, Cln5, N

(Analysis with the DAVID programs, <http://david.abcc.ncifcrf.gov>, National Institute of Allergy and Infectious Diseases)

n microarray studies.

14,977

Pop Hits

- 2320
- 3216
- 112
- 1894
- 2613
- 23
- 4012
- 674
- 240
- 211
- 402
- 180
- 784
- 257

tious Diseases, NIH)

Comparison of Pol-II ChIP-on-Chip predicted gene activation increases with two previous microarray based

No.	LIST 1 Tummala et al Pol-II ChIP Peak Signal Ratio Peak Singal Ratio (P-25/P-2) ≥ 1.8	LIST 2 Zhang et al 2006 expression microarray (p21/p3 ≥ 1.8)	LIST-3 Dorrell et al 2004 expression microarray (p21/p4 ≥ 1.8)
	1101 genes	791 genes	2380 genes
1	Slc24a1	Rho	Aqp1
2	Rplp2	6720469N11Rik	Tnfaip3
3	Guca1a	Rho	Gnat1
4	Ablim1	Rho	Vtn
5	Rcvrn	Rcvrn	Folh1
6	3830408G10Rik	Rds	Aqp4
7	Osbp2	Gngt1	Rs1h
8	Rho	Kcnj14	Og9x
9	D15Ertd366e	Vtn	Sh2d1a
10	Gngt1	EST	Cncg
11	Pde8a	Gm237	EST
12	2610034M16Rik	Pde6b	CCK
13	A930008G19Rik	Pde6g	Kcnj6
14	Gnb5	A330096I21Rik	Frzb
15	Rs1h	Mpp4	Hcls1
16	Gpsm2	Slc24a1	Slc17a1
17	3110049J23Rik	Abca4	Cx36
18	BC025816	Aak1	Gabrr2
19	Kcnj14	Abca4	Crybb2
20	Syne1	Nlgn2	Cacna1s
21	A330041J22Rik	1110030H18Rik	Gabra1
22	Cds1	Clu	Bcl6
23	Rp1hl1	Dact2	Pde6a
24	Aqp1	Slc12a5	opsin
25	Slc17a7	Rds	Irf7
26	Mef2c	Sag	Cals1
27	6030422M01Rik	F730014I05Rik	Klf9
28	Grk1	EST	EST

29	Dpf3	2300002D11Rik	Traf5
30	Aipl1	Sag	Aqp4
31	BC027092	Susd3	Gpr49
32	Cplx4	Tnfaip3	F3
33	Pla2g5	Rom1	EST
34	1810005K13Rik	EST	Fgf1
35	Icmt	EST	Rdh5
36	Abca4	Hba-a1	1110018D06Rik
37	Usp6nl	9630037P07Rik	Sax1
38	5330431N19Rik	Slc2a1	Car4
39	LOC622345	Hbb-bh1	Drd4
40	Rgs9bp	4933407N01Rik	Folh1
41	Rdh8	Tbc1d12	Gabbr1
42	Rdh12	Guca1a	R74640
43	Mllt6	Suv420h1	Cnr2
44	Guca1b	Sst	NAT1
45	Jmjd2c	Pitpnm2	Rasgrf1
46	Acbd4	Pak2	Lipo 1
47	Snf1lk2	C430004E15Rik	Hoxc9
48	Drd4	Dhx8	Opn1mw
49	LOC384622	Sag	Prp
50	Pde6g	EST	Cacna2d3
51	Tmem24	Aldoa	EST
52	6330442E10Rik	Eno2	Spi15
53	Rgs9	Kcnb1	Myo6
54	Cd276	Rgs9bp	Tac2
55	Sh2d5	Tulp1	Slc16a1
56	Map1lc3-ps6	BC016201	Vamp1
57	Snta1	Rnasel	Impact
58	Prnpip1	Arr3	VIP
59	Ankrd33	AW822216	Trrp6
60	Gucy2f	EST	Kcnb1
61	Sag	Eif4g2	4921513E08Rik
62	LOC629972	Pank1	Gzmm
63	Amph	Srgap2	4930406E12Rik
64	Kcnv2	Lynx1	Mmp9

65	Dscaml1	Rds	Slc17a1
66	Slc31a2	Lhx3	Rcvrn
67	4921511C16	EST	Ahrr
68	Sec14l1	Slc6a6	Osmr
69	Tnfsf12	A930021G21Rik	Slc29a2
70	Pde6b	Apc	Zfp125
71	Pde6b	Kcne2	Zap70
72	Syne1	EST	Siat7f
73	2310030G06Rik	Sidt2	EST
74	Pip5k2c	EST	EST
75	Cdk5r2	Rab3c	Chi3l1
76	Fmip	D630048P19Rik	beta 1
77	LOC629111	Pcp2	4933425L11Rik
78	Cabp5	Lrrc21	SPRR2C
79	Aggf1	Pfkfb2	Agt
80	Cabp4	Slc38a3	Hgn
81	Ndufs2	Sec24b	Itpr1
82	4932414K18Rik	Adipor1	Hcrt
83	Pla2g1br	Icmt	Phemx
84	Acvrl1	Osbp2	C030048H19Rik
85	Uhmk1	Glul	Facl4
86	1700001K19Rik	Agpat3	Lipo 1
87	Slc12a5	Gabra1	D2Bwg0891e
88	Rabgef1	Abca4	Vcam1
89	1500005N04Rik	Calm1	1810027O01Rik
90	Slc1a7	Sparc	Cyrgb
91	Tnfaip3	Rs1h	Rad1
92	Wasf3	2900019M05Rik	Zp2
93	1110018N20Rik	Cpe	Sin3b
94	4930511I11Rik	3200001K10Rik	Nr5a1
95	Guk1	Frmpd1	Bcl2l
96	Dp1l1	Slc31a2	Kcnd3
97	Grm6	B230112C05Rik	Gabrd
98	Ckmt1	Nrl	Pon1
99	Vtn	Sag	Guca1a
100	6330514A18Rik	Evi5	Trrp1

101	Stom	AU040377	Ctgf
102	Whrn	Ckmt1	Prlpf
103	Prkcz	Plekhhb1	Actc1
104	Cckbr	Tnfsf12	Papss2
105	4933409I22	EST	Ctla-8
106	Prkab1	Arfgef1	1190006F07Rik
107	Pde6a	Bmpr1a	Chrnbl
108	BC034090	Gnat2	EST
109	Slc4a7	Pclo	Ins2
110	Slco4a1	Gtf2h3	Dtna
111	A930017N06Rik	A930036K24Rik	Pla2g5
112	Bst1	EST	Akp5
113	Tuba4	1200014P03Rik	Cldn7
114	Sag	Cacna2d3	Sphk2
115	Lhfp13	Slbp	Casr-rs3
116	C1qtnf4	AI481772	Gsg1
117	Rds	EST	AI848715
118	Ndg2	Prnp	C78948
119	Gnb1	Zfp365	Nr1i2
120	Drd1p	Taok1	Slc25a17
121	BC027072	4933436C20Rik	Nr5a1
122	Icmt	Phip	Cpx2
123	Pde8b	Slc2a3	Wisp1
124	A330068P14Rik	Slco4a1	C78891
125	A330096I21Rik	Atxn7l4	Gabrg1
126	Ahr	Ssbp2	Cdr2
127	Inpp5d	Rims2	Akp2
128	Glt28d2	2310020H19Rik	Hipk3
129	Arg2	Bin3	Pla2g5
130	Cacna1f	Vtn	2810002D13Rik
131	Plekhg3	Napb	Tspy-ps
132	Mmp17	Prkar2a	AW215585
133	Dock8	BC017634	Clc1
134	Smug1	D15Wsu75e	Sgk
135	Ppap2c	Kif3a	Anxa7
136	Uckl1	4930519N16Rik	Birc4

137	Eno2	Pou4f2	C77874
138	Sgk	Rims2	Ptafr
139	Map4k3	4930583H14Rik	Birc1a
140	Sca1	EST	Syt2
141	E130103I17Rik	Vamp2	Scya9
142	Tmem35	Tulp1	Rai2
143	4930583H14Rik	Elovl4	Lif
144	Ercc1	EST	GC-E
145	Dhrs3	EST	mc/EPB
146	Wdr17	6430548M08Rik	tub
147	Tspan7	Scgn	AW112010
148	4930451I11Rik	EST	Amy2
149	Lrp2	Slc25a25	P2ry1
150	St3gal1	Snap91	Ambn
151	Plekhb1	2510039O18Rik	Map2k7
152	Mpp4	Rybp	Fzd4
153	D630002G06	Got1	Cacnb2
154	Grtp1	Efnb2	GFAP
155	Slc25a35	MGC78289	Tsa-1-rs1
156	B130017P16Rik	Dnm1	Bmp6
157	Fmn1	Vps4b	Il2rb
158	Rtn4	Ap2a2	1700024B05Rik
159	Arfl4	Rpgrip1	Pcp2
160	Pcp4l1	Cst3	Crygb
161	A930018P22Rik	EST	A2m
162	Zdhhc2	Plekhb2	Nrg3
163	Gnat1	Ccdc5	Fau-ps3
164	Slc38a3	Epb4.1l1	2610204L23Rik
165	Sec14l2	Synj2bp	Pla2g1br
166	P42pop	Ext2	EST
167	Susd3	1200013F24Rik	Capn6
168	Atf3	2010008E23Rik	Fpr-rs2
169	Tulp1	Adpn	Mef2c
170	Klf9	Syt7	Mer
171	Slc7a8	BC021395	Sva
172	Bhlhb3	Pclo	Sntb2

173	Cx3cl1	Cds1	Lbcl1
174	Pdc	Adck5	2010012F05Rik
175	Mier1	Gpsm2	Erbp4
176	Mtap4	Cryab	Igh2
177	Gm249	6430547I21Rik	Stk22s1
178	Cdc42ep2	Wbscr21	Ptpn18
179	Ankrd12	3732413I11Rik	Ndufa1
180	Gm184	Gpi1	Rgnef
181	Mfge8	Clock	junB
182	Hps6	1200014M14Rik	Kcnmb1
183	Slc16a1	Cadps	AI326478
184	Elmod2	EST	Pva
185	Txn16	Pmvk	Tgfb1
186	BC035537	Pex2	Col13a1
187	E2f3	Csnk1a1	AI447904
188	Nt5e	Car8	Ryr2
189	4930519N16Rik	Tm4sf9	Ubh1
190	Mapk6	Baiap2	Pde6g
191	Gucy2e	Pbp	Ptprc
192	Hcn1	Bsg	Ccxcr1
193	Tex264	Itm2c	Serpine1
194	Slc25a22	EST	Synj2
195	6330407D12Rik	Gls	2310005P05Rik
196	Syt1	Plekha6	Cav
197	BC038479	Herc3	Trrp1
198	5730410E15Rik	Vsnl1	Tnfsf12
199	LOC621436	Dnajc11	Aoc3
200	Wdt2	4930544G21Rik	Cmkbr3
201	Mtus1	4930430E16Rik	EST
202	Gm1568	Usp33	Hbb-y
203	Kcnj9	6430547I21Rik	Abca4
204	Pcdh21	1700008G05Rik	Hoxb6
205	Llglh2	Slc6a6	AA517841
206	FHOS2	BC038479	Rgs9
207	BC033916	E130013N09Rik	Sntb1
208	Pfkip	2600005C20Rik	Lgals3

209	Lrrc21	Mak	Casp11
210	Arhgap24	Enpp5	Enpep
211	Mapre2	Nfx1	Scyb13
212	Negr1	Kcnv2	EST
213	Tll1	Rims2	Vamp2
214	AB041803	Ndg2	Defcr3
215	Camk1g	Pacsin1	Bhlhb2
216	Lnx1	Pfkl	2210417J23Rik
217	0610010O12Rik	Itm2c	Bmp15
218	Sprn	EST	Hspc121
219	Epb4.1	2610036N15Rik	Edil3
220	Epas1	A230006I23Rik	Sprr1b
221	U2af1-rs1	Rgs9	Gnb1
222	Adpn	EST	Plfr
223	Tas1r1	Vmp	Zfh4
224	Bbs7	EST	Ang
225	Sesn2	Mbnl1	Kcna1
226	Chsy1	6330527O06Rik	Ptprrj
227	Pacrg	5730469M10Rik	Dlx5
228	Stxbp5l	1110034O07Rik	Usp2
229	Mrpl45	2300002D11Rik	Kl
230	Sfxn2	Mapre3	2610014F08Rik
231	Slc2a3	Hig1	Spt1
232	Vldlr	Impg2	Npy6r
233	Gpam	Gucy2f	Npy2r
234	BC031748	Myef2	Clu
235	Ctbp2	Bteb1	Ckmt2
236	A930027K05Rik	clone:B230306E21	Dnt
237	Stx3	Al875142	H2-T17
238	Hk2	Syp	ART3
239	Ntn2l	Kcnma1	Al326478
240	Ttc8	Ubqln2	Sth2
241	Klhl21	Mod1	EST
242	Tob1	Gltscr2	Scya1
243	Rpl17	1110034C04Rik	Tm4sf1
244	LOC244556	Rpp30	C78344

245	Socs7	D330017J20Rik	Chst2
246	Gnaz	Faim	Hoxa11s
247	Camk1d	A930011O12Rik	Hoxb9
248	Hnt	5330410G16Rik	Tm4sf9
249	Hspa1a	Slc25a25	Ell2
250	Dnm1	Cds2	Cspg3
251	Rp1h	Fbxl2	Hcn2
252	Slc29a2	Tom1l2	Il4
253	A830010M20Rik	EST	Gpld1
254	Zfyve28	Aco1	4432411E13Rik
255	Rbp3	C030032C09Rik	Pde6b
256	9430063L05Rik	Kcnj3	Inpp1
257	Gm672	EST	1300006M19Rik
258	Coro2b	Arfgef1	2700053F16Rik
259	Lrrc22	MGC65558	Calr
260	Lrch4	Chrnbl	1810037I17Rik
261	4931406O17Rik	D16Ert472e	Ada
262	Fzd4	Insig2	Abcb7
263	2810405K02Rik	Bbs7	Atp1b2
264	Rit2	Camk1d	D15Ert450e
265	Fosb	Cerk	Kist
266	Bbs4	EST	Tbx14
267	Ubx5	EST	Esrrb
268	Doc2b	Pitpnm1	Adra2a
269	0910001L09Rik	Pcdhga12	Xlkd1
270	Tnni1	Adarb1	2410088E07Rik
271	Pitpnm1	EST	Dnm2
272	Adcy6	Ace	Il18r1
273	Cerk	Map2k7	Cox8a
274	Cope	Dscaml1	BMP-2
275	Pvr	E130307J04Rik	Hoxd4
276	Dnajb10	Calb2	Grid1
277	Vps28	Bat8	V2r16
278	Nr1d1	Vldlr	Tll
279	3322402L07Rik	A930041I02Rik	AA675035
280	Zfp84	Prickle1	D6Wsu176e

281	Acaa2	E030024I16Rik	Nudel
282	Zfp306	Htr3a	0610039N19Rik
283	Dgke	Slc6a8	Pcsk1
284	Phxr2	Optn	Htr3a
285	Jarid2	Pex2	AI605384
286	Fn3k	Gucy2f	0610039A15Rik
287	Tssk5	Ndufb10	Sox18
288	Kif21b	clone:A930007B02	1810045K06Rik
289	Crif3	EST	Bhmt2
290	Sntb2	3010001F23Rik	ACL
291	4930553F24Rik	Ccng1	C78532
292	LOC382342	F8a	Fabp4
293	Pbx3	Rab3a	Scrg1
294	Gja9	Rai16	M32486
295	5330410G16Rik	Pscd1	Usp18
296	Ache	Pcdh21	Defcr-rs1
297	Rab11fip3	Chga	Zfp146
298	Dusp22	EST	Dio2
299	Abhd11	Mta2	Mid1
300	9630033F20Rik	Vps54	Klf12
301	Uap1	AI447928	Aldo3
302	Serf2	EST	AI316867
303	Trafd1	Polrmt	Rras
304	1810055E12Rik	Gtl2	Zfp36
305	Gabra1	Mapk14	big-2a
306	LOC628766	Pfkp	Rdh7
307	Mapk10	EST	Mef2c
308	Psd	6430547I21Rik	hic-1
309	Lrrc2	lqsec3	Fgf17
310	4930412F15Rik	4931406O17Rik	Rel
311	Dnajb4	Stom	Obp1b
312	Man2a2	AI852064	Klra2
313	Gas8	Tex261	Mesdc2
314	Phf15	Epb4.1l3	VLCAD
315	Stk35	EST	Hsd17b2
316	Rxra	EST	Cldn4

317	4930544G21Rik	4933427L07Rik	AA407948
318	Bhlhb2	Fmip	Ctsh
319	Unc119	Senp2	Tnfsf8
320	Al118078	C77668	D6Wsu176e
321	Tcp11	4933406E20Rik	Pfkfb2
322	Etnk1	EST	Hcph
323	Mtap2	Nef3	Ank1
324	Smpd1	Gnaz	2310046B19Rik
325	Scp2	Rnf10	Mfap5
326	Usp2	Stxbp1	Arhj
327	Nadk	Cyfp2	Clca1
328	Gm696	Galnt10	BC026782
329	Tarbp2	Map2k1	Dbp
330	6430537H07Rik	Adcy6	Calml4
331	Gabarapl2	Mef2d	Kcnj3
332	Dazap2	Gnao1	AA536748
333	Gm581	Gpc1	C79684
334	Snx10	Tom1l2	Ptgis
335	Actr3b	D1Ertd622e	Ptgds
336	Pdzk3	Doc2b	Polg2
337	Grina	Sema6c	Rsdrl
338	Dusp7	Ddhd1	Gsta3
339	Sez6l2	Exosc1	Gcm1
340	Slc16a6	Ppp1r3f	cdh15
341	Herc3	Birc4	Spi1-1
342	Galt	EST	AU044919
343	LOC432988	3110007P09Rik	Igk-V28
344	Eef1a2	Ablim2	Myo5a
345	Cpeb3	Dio2	Clcn2
346	Kpna2	2010321M09Rik	Calb1
347	Ormdl3	Timp3	Wnt6
348	Ppp3cc	Mllt10	Prg
349	Kif2a	Fts	Hao3
350	Acaa1	2410004C24Rik	Gas7
351	Cdkl2	6330407G04Rik	Tnfsf11
352	Ndufs5	Tpd52	MLN51

353	LOC628856	EST	Nsf
354	Lats2	A730098D12Rik	Foxa3
355	Hspb6	Stx3	Klk9
356	Pscd2	clone:A930007B02	1500005G05Rik
357	Ntng2	Rtn4rl1	Spam
358	Abcg4	Synj1	Dsc2
359	Thrap4	Tom1l2	Sybl1
360	Supt5h	Cnnm4	Edn1
361	1810048P08Rik	2900060B22Rik	Stx1b2
362	BC018101	Eif4e2	Hnrpl
363	Plekhf2	Ap1b1	Ptp4a3
364	Ablim2	AI852064	D11Erttd326e
365	Got1	Atp6ap2	Prcc
366	Zfp661	Erdr1	R75030
367	Klhl18	D430039N05Rik	Tssc3
368	Ier3	EST	Krtap12-1
369	Nars	Sag	Ror2
370	Dedd2	Habp4	Pou6f1
371	Tspan4	Dnmt3a	Star
372	Ipmk	C1ql1	Krt1-13
373	LOC622157	Mgl1	Scya3
374	Gpi1	Purb	MIC-1
375	Prdm8	2510002A14Rik	Ocln
376	Caskin2	Smurf2	Ntsr
377	Dad1	EST	Obp1a
378	Lgmn	Vdac1	AI647584
379	Sdc4	Cadps	Cd44
380	Ttc8	Ramp2	Kif1b
381	Actn1	Clk1	H2-T24
382	Pik3r1	Xbp1	S107V1
383	Snap25	Ndrp3	EST
384	Paqr4	C030046E11Rik	Ppyr1
385	2600009E05Rik	Synpr	Sh3d4
386	4933432B09Rik	9830169C18Rik	Amy1
387	Leng9	Ptges2	A030007L17Rik
388	Scarb1	Grb2	Rgs5

389	LOC624202	Clcn7	Mup4
390	Trim25	6430548M08Rik	D16Bwg1543e
391	Mtdh	AU041707	Stx3
392	LOC629622	Cstb	Cryab
393	Sec22l2	Crb1	Trrp4
394	Kctd7	2600011C06Rik	Hk2
395	LOC626317	Epb4.1l2	OR3
396	Kif1a	Amd1	AW112037
397	Foxo3a	EST	Fzd7
398	4733401H18Rik	Mutated in colorectal cancers	Abcc6
399	Siva	Ccpq1	Cd84
400	Prnp	AI851076	Camlg
401	Resp18	Snta1	Syt3
402	Bnip3	EST	Cnbp
403	4933402B14Rik	E130309B19Rik	AI790651
404	2310003H01Rik	D6Wsu176e	Cyp2j5
405	Amh	Acox1	Gst2
406	1300013D05Rik	Btc	Serpina1a
407	Apba3	Kif1b	Slc6a6
408	Npc1	A930011G23Rik	C3ar1
409	Ppargc1b	Slc6a6	Mona
410	Ibrdc2	Hist1h2bc	Tm4sf1
411	LOC433848	Stxbp5	ligp
412	A430105I05Rik	5730509K17Rik	Rfx1
413	LOC626557	Stx3	Clpx
414	Tnip2	EST	Hnf4g
415	AI875199	Slc6a9	Abpa
416	MGC67174	Clstn1	Keg1
417	Tob2	Thap4	Pxf
418	Epb4.2	Pvalb	C78811
419	Stard7	Isl1	Rara
420	Luc7l	Prkcbp1	Hsp70-3
421	Ehd4	Prkce	Alb1
422	Ube2v1	Ddhd1	Inpp5d
423	Aldoa	Ogdh	Cd80
424	Epb4.1	Dscr1l2	D1Lub1

425	Mbnl2	Zfp236	Paccin1
426	Slc6a6	Atp6v1c1	Xlr4
427	Esrrg	Dlgap1	C80501
428	Hk1	Nefl	Prlr-rs1
429	Snap91	A330068P14Rik	1600023A02Rik
430	Laptm4b	Rph3a	Svs6
431	Mrpl22	Sgtb	Ptpns1
432	Rora	BC061928	Uncx4.1
433	Pdxk	Stk38l	Mrpl49
434	Lass4	1700008G05Rik	Ctla2a
435	A030007L17Rik	Abcb10	Gnb1
436	AY078069	Prickle1	Scyd1
437	Kras	Slc16a6	1810008A14Rik
438	A330042H22	Pgm2l1	Zfp92
439	Csda	Glul	Kcnj9
440	Mrpl4	EST	XD
441	Syng1	Foxk1	kcc2
442	Tmco3	Ppp1r14b	Hzf
443	Rnf32	Dnajb6	Ptgds
444	B830028P19Rik	Fbxl20	2810031L11Rik
445	Abhd3	5530400B01Rik	HEXB
446	Gas6	2010106G01Rik	Evi1
447	Vwf	A830039N20Rik	B3gnt1
448	Ccndbp1	2500002L14Rik	AI467555
449	2610101N10Rik	Tmem8	Mylc2a
450	1110017O22Rik	Luzp1	Daf2
451	Rpl10a	Usp32	G2a
452	Fts	Foxo1	AI649392
453	Zfand2a	C920006C10Rik	Pbp
454	Otub2	Rtn4rl1	Stx3
455	E130012K09	Camsap1	Ltbp1
456	1700003E16Rik	BC034090	Vdac1
457	Nfasc	Frmd4b	Sit
458	Rpgrip1	EST	F8
459	Mbnl1	Camk2d	Gnb5
460	Cyp2u1	Parva	4021401A16Rik

461	Camkk1	AI450948	Cebpd
462	BC027092	Cdw92	Gas6
463	4833420G17Rik	Dmxl2	Cln3
464	Acadvl	Epas1	ACTHR
465	Vcl	Rasip1	Fbp1
466	Adssl1	Rnf6	Mbp
467	C1ql3	C230026C11	Csf3r
468	Zadh1	Rlbp1	DSPP
469	Atp5k	EST	Ckmt2
470	Camsap1	Sgk	Hesx1
471	2310044G17Rik	EST	Sytl4
472	BC025546	Ssh2	Abcc1a
473	Pmm1	Pax6	AA511261
474	Pkn3	Hspa12a	V2r11
475	2900084M01Rik	Myo7a	Ggtla1
476	Slc35e4	LOC230872	Slc27a1
477	Plekha2	Lman2l	Galnt9
478	Rab3a	EST	Kcnj2
479	Sertad1	0610009B22Rik	EST
480	AW742319	Mcm10	8430417G17Rik
481	Chga	Kif1b	Psap
482	1200006F02Rik	Hapln4	Spint2
483	Camta2	Jag1	Vcam1
484	1500041J02Rik	Prkaca	Slc7a8
485	Ivns1abp	Ppm1b	Mb
486	Pgm2	D4Wsu53e	SELP
487	B4galt1	Mab21l1	LRH-1
488	D030074E01Rik	Nfe2l1	AA420407
489	D16Ert472e	Gria2	Clca3
490	Smarca2	Smap	Rgs11
491	Rnf34	3110007P09Rik	Grik1
492	Nfyc	B3gat1	Sdccagg28
493	Dpf3	Adarb1	Vcam1
494	Cry2	Kpnb1	CrygF
495	Nr1d2	C430010P07Rik	Zfp125
496	Impdh1	BC020184	Stat6

497 4930538D17Rik
498 AU040377
499 Rplp1
500 Lyar
501 Ndufv1
502 Prkab1
503 Bcdin3
504 Myd116
505 Aldh4a1
506 A430005L14Rik
507 2310042L06Rik
508 Madd
509 Xbp1
510 AL033326
511 Uqc
512 Atg4d
513 Snx11
514 1110038F14Rik
515 Ppp2ca
516 Eno1
517 5730472N09Rik
518 Dnaja4
519 Atp6v0e2
520 C330001K17Rik
521 Vps18
522 Aacs
523 Nsf
524 G430022H21Rik
525 Eftud2
526 5730427C23Rik
527 Bcl6
528 D230012E17Rik
529 Tnr
530 Per1
531 Ppp1cb
532 Khk

EST
Usp6nl
Mast2
Gpr153
EST
Ntng2
BC056494
Sdfr1
0610009H04Rik
Plekhl1
Gfpt1
EST
6530407C02Rik
Slc16a1
Hif1a
Camk1d
Pdha1
EST
Scamp5
Dst
0610006O14Rik
Dnm3
EST
4921506I22Rik
Sgtb
4930583H14Rik
Ggtl3
1700020C11Rik
6720463E02Rik
Rpgrlp1
Slc25a29
Cdipt
Prkrir
Acsl6
Eif5
2610040E16Rik

Scand1
Slc9a1
R75096
D4Ertd13e
C78111
Mir16
Cd84
Il12a
Syt1
Prx
LOC56304
PkIr
1810045K17Rik
Usp2
M32460
Rom1
Svs2
Adcyap1r1
C030048H19Rik
Hcngp
Egr2
Siat7e
Impdh1
Igfbp1
Apeg1
AA408954
Asgr1
Ifna2
Apom
EST
Rdh6
Gpr83
Adam4
Proc
Dnajb8
Lrp4

533	Pink1	Ablim1	ENT
534	Scly	Cacna2d1	Neurod2
535	Egr1	Akap1	Mef2c
536	Dnajc12	5530400B01Rik	Gstm6
537	Impg2	Pld3	Glns
538	Nr4a3	Ccrn4l	Epb4.9
539	4933409L06Rik	Fhod1	Cryl1
540	ORF61	6330583M11Rik	Gnat2
541	Rarg	Lyst	Nt5e
542	BC066028	1810044A24Rik	Atf3
543	6530418L21Rik	1810021J13Rik	Hoxc6
544	1810006K23Rik	Atp6v0c	Syt5
545	Slc25a12	Wdr1	Adam3
546	Tysnd1	9430029L20Rik	Atp5g2
547	Mapk1ip1	C030002B11Rik	D7Wsu130e
548	Sgip1	Camk2d	Nfh
549	Cct4	4930541M15Rik	TIMP-3
550	BC005662	Hdac5	Ros1
551	Abhd6	Hagh	Prom
552	Zfp316	Entpd4	EST
553	D130054N24Rik	Glul	D5Ertd577e
554	Fhit	2900064A13Rik	Kif1b
555	Vars2l	Slc37a4	Cnn2
556	Galnt10	Mfhas1	Cfl2
557	lhpk1	lqsec3	Rps29
558	Actr10	Smarcd2	Col19a1
559	Ap1b1	Slc25a19	4921513E08Rik
560	Arpc1a	Per3	Ak4
561	Tnnc1	Anxa6	Pla2g7
562	Capns1	Slc22a17	Ags
563	Flcn	E130013N09Rik	Kifc2
564	St8sia1	Rbp3	Snn
565	Cdk10	EST	1810042K04Rik
566	Actr6	Wasf3	Pop3
567	0610039D01Rik	Jarid1c	Grb10
568	Metap2	EST	Dmc1h

569	Mdm1	D8Ertd594e	1600014J01Rik
570	LOC626073	Chaperonin	1100001J13Rik
571	4930418G15Rik	BC026657	Mug1
572	Gpm6b	Prkab1	Bop
573	Sdcbp2	Gbf1	Mrpl36
574	Atp5d	Manba	Fhit
575	0610037L13Rik	A930016D02Rik	Anxa1
576	4933404O19Rik	EST	Dnm
577	Mass1	Odz4	Pou2f2
578	Ppp1r8	Chrnbl	Cav3
579	Fbxo9	Snrpa	Wnt10b
580	Eppb9	C230096C10Rik	2310067L16Rik
581	BC068281	Cited2	Sag
582	Psmas	Arl2	Muc10
583	Tspyl4	Bbs7	AW049671
584	Gtf2f2	EST	Rasgrf2
585	6030457N17Rik	Plcb4	Osf2
586	Ndufa10	1110006L15Rik	Kcnab2
587	Pgam1	Snrk	Galnt4
588	LOC621597	Gad1	Tnni2
589	Sept4	Birc6	Krtap6-2
590	2500002L14Rik	Atp6v1e1	1110001A07Rik
591	Ero1l	4833418A01Rik	Chst3
592	B930037P14Rik	EST	Mafb
593	Slc6a15	AU040377	Rpo1-3
594	5730469M10Rik	D230019K20Rik	Opn1sw
595	Neil2	Tdrd9	tub
596	Cul5	Tex2	Ly-6G.1
597	Trip4	Rsn	Stat4
598	BC021395	EST	CD4
599	Oprs1	1110063G11Rik	Sema5a
600	Gbf1	2810442I22Rik	Cyp2j6
601	2310076O21Rik	Gja12	Ppicap
602	BC029214	Sema6c	Afp
603	Zfp187	Pura	Dlx4
604	Gfpt1	E130013N09Rik	1810030J14Rik

605	Yif1a	Lass4	C80993
606	Hadha	EST	Birc4
607	Plod3	Lt1	Dlgh4
608	Ggcx	Rdh11	2900026H06Rik
609	Mef2d	Gtpbp2	C87808
610	Jag1	Hey1	Msr1
611	Pogk	Slc25a5	Pcnt
612	Sara1	Ap1p2	Ap2a2
613	Trp53rk	Rit1	Igk-V20
614	Pcyt1b	EST	Prph2
615	Nrbf2	As3mt	D14Ucla3
616	Spata2	Gpx4	Cyct
617	Lrp2bp	Egr1	D13Ertd37e
618	4930451G09Rik	6530413N01Rik	Inpp5e
619	Pop5	Ndufa4	Tpk1
620	Calcoco1	Fkbp4	Traf6
621	Vps11	Pacsin1	Ap2b1
622	Mrps26	D8Ertd594e	Epha6
623	1700030J22Rik	Tpi1	Hrh1
624	Rab14	Slc1a1	Mybbp1a
625	BC048943	Cotl1	Sema6b
626	4933406E20Rik	Dlgap4	Igj
627	2310036O22Rik	5730557B15Rik	Prrx2
628	Nap1l3	6330417G04Rik	Amphiregulin
629	Etfb	EST	Ubce7ip3
630	Ndufa11	Vamp2	Sfpi1
631	Cyc1	Srpk2	Cd34
632	Hs3st3b1	Tsg101	1110018N15Rik
633	D430039N05Rik	6030443O07Rik	2610016K11Rik
634	Zfp533	3110056O03Rik	Zfp67
635	Rqcd1	Rgr	Ddb1
636	Prox1	Ppp1r11	Lrg
637	Srxn1	EST	D6Wsu176e
638	Gns	Prkar1b	Ndr3
639	Diap3	Actr5	Ah
640	Ap3s1	1110013G13Rik	Gst1

641	1700008G05Rik	Sec14l1	Col4a4
642	Ddx41	U2af1-rs1	Barx1
643	Sap18	Nef3	Csda
644	Sars1	Snx10	Il10
645	B230218P12Rik	Ghitm	EST
646	Khsrp	Gpsm1	Ke 6
647	2410018G20Rik	Camkk2	Mmp9
648	Al839550	Bmf	Rps15
649	LOC620925	Smpd1	Calb3
650	D030060M11Rik	Them2	AA407930
651	Gga1	Peg3	Ttr
652	Ezh1	Stom	Tcf20
653	Adamts13	Depdc5	Ifi1
654	Rhbdl6	Pcdh21	1200015F23Rik
655	B430110G05Rik	Epb4.1	Mbnl
656	Bcl9l	4932414K18Rik	Mid2
657	Atp1a3	Nipa1	Trap1a
658	A630082K20Rik	Tnrc6	Siat8a
659	Ctnnbl1	C630025L14	Cd86
660	Rpo1-3	Cacnb4	Cpx2
661	Mdh1	Aars	EST
662	Crocc	Bnip3	AW228608
663	Tbc1d7	EST	Prom
664	Sepx1	Stard7	V2r15
665	Fbxo27	Mll	Prkca
666	Ubap1	Camk2b	Defcr2
667	Slc41a1	Mtap4	AU040868
668	Camta2	Pygo1	0610042A05Rik
669	Rbpsuh	5830417C01Rik	C76907
670	Map2k1	3110024A21Rik	Mfge8
671	Sppl3	Large	Stk39
672	Pcsk1n	Prkx	D15Wsu75e
673	Brp16	Alkbh	C030048H19Rik
674	A930001M12Rik	Eif2b2	Dcn
675	2310035K24Rik	Itga4	Ptafr
676	Btbd10	Wsb2	AI788959

677	Phf20	EST	Cd8a
678	Elof1	Crelf1	Pp11r
679	LOC432721	Cryaa	Bapx1
680	Nap1l4	4932414K18Rik	H2-T10
681	9330133O14Rik	BC038479	Spna1
682	Taldo1	D14Abb1e	Ppef2
683	5830416A07Rik	Peli2	Sncb
684	Prkab2	Igsf4d	CrygD
685	Zfp612	EST	Slc2a3
686	Dusp14	Wdr10	Es31
687	Gm87	Prkag1	D1Wsu158e
688	Srp14	Ndufs2	Dnajb9
689	Rabac1	Pkm2	Tulp1
690	0610031J06Rik	Kif21b	2410090P21Rik
691	Ppan	Msi2h	Ptgds
692	Per3	App	lfng
693	Ndufa12	Sema3f	Krt1-18
694	Phyhd1	Pgam1	Enpp2
695	Scamp2	D4Wsu53e	Rad23a
696	Sec14l1	0610011D08Rik	Nelf
697	Gtpbp2	Optn	Atp6n1a
698	Stat2	Cacna1a	Pcsk5
699	Slc2a8	Grb10	Psg-ps1
700	Mobkl1a	Chsy1	Cnlp
701	Lin10	Ercc5	AA408451
702	Pycr2	Dot1l	Cradd
703	1500040F11Rik	Map2k2	Pygm
704	Sfxn3	Azi2	H2-Eb2
705	Ndfip2	EST	Rgr
706	Fkbp14	Freq	Pah
707	2310016C08Rik	EST	Kif3b
708	Sp2	EST	Cmkbr1
709	Nme1	EST	4921528E07Rik
710	Zfp93	B430110G05Rik	Plcb1
711	Disp2	Rab7	Crsp2
712	9130227C08Rik	Cd59a	Wisp2

713 Cish
714 5630401D24Rik
715 Polr2k
716 Fuk
717 Rbm34
718 D9Ert402e
719 Hdh
720 1110007F05Rik
721 Acd
722 Ctsb
723 Nqo2
724 Slc37a4
725 LOC231836
726 Mon1b
727 BC051227
728 Lgals8
729 Gabarapl1
730 Zmat5
731 Svil
732 Acox3
733 Snapc1
734 Tmed1
735 Ddx21
736 Impact
737 Gloxd1
738 Nphp4
739 B230312I18Rik
740 2700049A03Rik
741 4921528H16Rik
742 Casp8ap2
743 Dpp7
744 Tbc1d13
745 Mynn
746 Myh10
747 Fbxl4
748 Gnpat1

Esrrb
Pde8b
Jarid1b
Calm1
Al839550
A930037G23Rik
Ugalt2
Npepps
EST
Bcap31
Zfp87
6030423D04Rik
EST
Chst2
Anxa5
Atp11b
Rce1
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4921509J17Rik
5830435C13Rik
Tjp2
AU040320
Suv420h2
Mast2
Psme1
Vmp
Snap25
Pex6
Phyhipl
Dncic1
Prkar2a
Cyhr1
Epb4.1l2
Purb
Sponb2
Zfp608

Myh10
Spint1
BC026782
AA517562
Eps8
Dnt
Col7a1
D8Wsu26e
AA407132
Pklr
Rps17
junB
Ramp1
LOC192176
Trfr
Eplin
Irf3
Cipp
Il8rb
Lhx3
Edn2
Cry1
Al854876
Crlf1
Slc30a4
Cyp2f2
AJ012488
Pvt1
Mup1
0610013E23Rik
D16Ert480e
Rom1
Gria4
Calcr1
Krt1-2
Kcnj1

749	Aatk	2610206B13Rik	AI047775
750	Fbxl12	Dock2	DNase I
751	Spink4	EST	BCRABL
752	4833439L19Rik	Nrl	1110025J15Rik
753	Slitrk3	BC030314	Tapbp
754	Giyd2	Grtp1	Cfh
755	Snap29	1700010H15Rik	2610034N03Rik
756	4931433E08Rik	Blcap	Fmod
757	Dpf2	4632409L19Rik	Ier3
758	Ppig	EST	2810442O16Rik
759	BC024806	1700029F09Rik	Laptm4b
760	9630055N22Rik	Nr2e3	AI848610
761	Ptges2	1700012H17Rik	Sh3bgr
762	1700021F05Rik	D3Ertd789e	Tfpi2
763	Gats	EST	Cdc25a
764	Stip1	Sf3b2	Kcnj15
765	Pdcl3	Ptpn4	0610025L06Rik
766	Iars	Son	EST
767	Clcn3	Mrps6	Prkcm
768	LOC620944	Cxcr6	Mitf
769	Tparl	Dtnb	Msi1h
770	Tsga10	Lpgat1	AA517631
771	Psemb6	Hist3h2a	EST
772	Pprc1	9130017A15Rik	Chp
773	Atp6v1e1	Abcc8	Krt1-18
774	1810047C23Rik	Sbno1	Ache
775	Amacr	1110038D17Rik	Ceacam9
776	Dhrs7	Epb4.111	D9Ertd280e
777	2610511O17Rik	Dpf3	AI266795
778	0610009K11Rik	Slc16a6	Tm4sf2
779	Pkm2	EST	Cyp24
780	Afg3l1	Ampd2	Vdu1
781	Erc8	D15Ertd366e	Lhx8
782	Scamp5	Entpd5	Cacna1a
783	Snx15	Slc35c1	EST
784	Rpl21	2810055E05Rik	Sh3d2a

785 5730438N18Rik
786 Polr2f
787 Dcc
788 4432405B04Rik
789 Fos
790 Bnip2
791 Gucy1a3
792 Cbr1
793 4632419K20Rik
794 Abcc10
795 Pelo
796 A530094I17Rik
797 A530082C11Rik
798 Ilf3
799 Rps6kc1
800 Jmjd4
801 Abcb8
802 Atpbd1b
803 D530005L17Rik
804 Dusp11
805 Pdcd11
806 Ric8b
807 Avpi1
808 Dnajc6
809 A330068P14Rik
810 Zfp385
811 Tollip
812 Scrt1
813 Mars
814 Prcp
815 P4ha1
816 2310057M21Rik
817 Slc6a9
818 Dhdds
819 Fem1a
820 BC037034

Papolg
Nfe2l1
Napa
Zcchc7
Cebpd
1810047C23Rik
Tbx3

Slc23a2
AA414993
Kcnma3
Klkb1
2310047E01Rik
Spi16
C1qrf
C85457
Al194696
Spt2
Scyd1
c-fos
Pkd1
Dnmt3a
EST
Cryac
Sds
Zfp276
EST
AU014713
Krtap6-3
Selenbp1
EST
PscA
Krtap8-1
Ptpns1
2810051A14Rik
2410004D18Rik
Cmkor1
EST
Cdh9
Stat1
AW060987
Eef1a2
Rasgrp1
1110038D17Rik

821 Pold4
822 Map2k1ip1
823 Nrl
824 Plagl2
825 Igsf4a
826 Sptlc1
827 Pqbp1
828 Cox6c
829 A930037G23Rik
830 Pex5
831 Tdrkh
832 Rapgef6
833 Hipk3
834 Lrp12
835 1500011H22Rik
836 Nfil3
837 2610024E20Rik
838 E330036I19Rik
839 4930521E07Rik
840 Arfip1
841 Hcngp
842 Spnb2
843 Jarid1b
844 1810064L21Rik
845 Gdf15
846 Zfp235
847 Abcf3
848 Coq4
849 LOC629605
850 Zfp287
851 Ndufa8
852 Dnalc4
853 Usp36
854 2310031A18Rik
855 Dncllc1
856 Rhobtb1

Sod3
Unc119h
Sema3f
Gabra3
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sst2
Amd2
Mef2c
Tgoln2
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Mail
Pou2af1
AI790651
Spi6
Cla3
Cd84
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Cyr61
AW121776
Pltp
Hsp86-1
Pscd1
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1110057K04Rik
Btk
Nupr1
Maid
Ly6d
Tead1
Igfbp4
Lorsdh
Pde6b
2310032D16Rik
Vpreb1
Hoxa11
Tecta

857 Ing1l
858 LOC621673
859 AW050020
860 Camta1
861 Bmpr1a
862 Chn1
863 Brp17
864 4930529M08Rik
865 BC023814
866 Eif2ak3
867 Dnaja3
868 Gtlf3b
869 Atp5b
870 Cln5
871 BC018601
872 Slc26a6
873 Arpc2
874 Bpnt1
875 Rprc1
876 Cdadc1
877 Zfp108
878 Slc4a10
879 Gtf2h4
880 0610009D07Rik
881 Sec24a
882 Xrcc1
883 Taf5
884 LOC622434
885 6530401D17Rik
886 Endog
887 Dhx37
888 Tmem18
889 Nap1l2
890 2610528O22Rik
891 2610014M12Rik
892 Ppa1

Inac
Cyp3a16
Igk
Cav
5T4
Il7
AA409223
LSIRF
1200014D15Rik
AA408956
Cadps
Al266885
Plau
Al552542
Hemt1
Dlgh1
Al450241
Rlbp1
Lip1
Snai2
BC026782
Hsd17b3
1810009A15Rik
Gadd45b
Cypf13
Csf2rb2
2410018L13Rik
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Ephx2
Esr1
Gbp3
Il18
2010012D11Rik
Zfp37
Epha7
1500035H01Rik

893 B3galt2
894 Gsg1
895 Txndc1
896 Ccrn4l
897 BC050210
898 Ndufa4
899 Trpt1
900 A130010J15Rik
901 Peli3
902 Ahcyl1
903 F8a
904 Eya3
905 Npal3
906 Apeh
907 1700008O03Rik
908 Mbnl1
909 Il6st
910 Hmgcl
911 Cbx8
912 Cst3
913 Sirt2
914 Gtf3a
915 2310001A20Rik
916 A930025J12Rik
917 Por
918 Zfp324
919 Klhdc1
920 Blcap
921 Mid1ip1
922 Pdk3
923 Arhgap26
924 Prkar1a
925 Sephs2
926 Cnnm4
927 Mrpl37
928 5730439E10Rik

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944 Pcmt2
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955 Usp4
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959 0610012D17Rik
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962 Ssx2ip
963 Gnn
964 Slc23a3

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971 1700111A04Rik
972 2410014A08Rik
973 Ptp4a3
974 Sitpec
975 2310028O11Rik
976 1110067D22Rik
977 Ubadc1
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984 Psma2
985 Ptpns1
986 2700050P07Rik
987 1200003M09Rik
988 LOC239017
989 Tep1
990 Pex11a
991 1500019C06Rik
992 Sept2
993 Pfkfb3
994 Topbp1
995 AW550801
996 Spata11
997 Cd164
998 4930473A06Rik
999 Prpsap1
1000 Zfand2b

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or37a
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Hpxn
Ywhah
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Scn1a
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Nrl

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Rpr1
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1383	Als2
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1393	Cpne6
1394	EST
1395	Skd3
1396	Cyp11a

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1450	AA517650
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Grin1
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Fdps
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Pou2af1
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Agr2
Sps2
Nqo1
Sycp1
Naalad2
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F7
Gnpi
Car2
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1507	Ebaf
1508	Pip5k1c
1509	Pip
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1511	Syp
1512	Tnfrsf7
1513	EST
1514	Kpna6
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1516	Ppargc1
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1519	Sts
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1521	Sema3b
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1523	Ptpn8
1524	EST
1525	D4Wsu132e
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1527	AW496496
1528	Myo7a
1529	Adam1
1530	Ezh1
1531	Ghrh
1532	Ptov1
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1536	Myh4
1537	EST
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1539	Faah
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1546	AA407235
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Cpe
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1636	Bsg
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1648	Ogg1

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Ckmm
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Trfr
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Krt2-19
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Matn2
Arf6
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Tiam2
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Lamc1
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Urod
Gtpbp1
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Prkaca
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Cnot7
Ube2h
Snx12

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Slc10a1
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Pik3cd
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Grin1
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Hgf
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Capn10

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2070	EST
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2072	Osbpl1a
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2074	Birc3
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2106	Des
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2128	Mbl1
2129	Siat7d
2130	MOR28
2131	Mup1
2132	Max
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2134	D1Ertd5e
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2146	Got2
2147	Matk
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2223	Il1rap
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2225	2400007G07Rik
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2232	Thpo
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Traf3
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Gcet
Bnip2
2610030J16Rik

studies.

ChIP-on-Chip Exclusive Genes
Tummala et al

820 genes

Rplp2
3830408G10Rik
2610034M16Rik
A930008G19Rik
3110049J23Rik
BC025816
Syne1
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Foxo3a
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Ndufv1

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