

### Appendix 3: The genes shared in the top 2,000 correlates of *Gap43* and *Pten*.

Citations: Please see <http://132.192.47.32/reference.html>

Trait : HEI Retina Illumina V6.2 (April 2010) RankInv : ILMN\_2594450

Database : HEI Retina Illumina V6.2 (April 2010) RankInv

Date : February 08, 2011

	Symbol	Description	Record
1	Pten	phosphatase and tensin homolog	ILMN_2594450
2	Twistnb	TWIST neighbor	ILMN_1231779
3	Smek2	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	ILMN_2907928
4	Pbrm1	polybromo 1	ILMN_1233554
5	2900075B16Rik	RIKEN cDNA 2900075B16 gene	ILMN_1220828
6	Atp6v1a	ATPase, H+ transporting, lysosomal V1 subunit A	ILMN_1255570
7	Smek2	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	ILMN_2683138
8	Phf2011	PHD finger protein 20-like 1	ILMN_2630739
9	Ttc3	tetratricopeptide repeat domain 3	ILMN_1260446
10	Npat	nuclear protein in the AT region	ILMN_2646504
11	Glcci1	glucocorticoid induced transcript 1	ILMN_2604423
12	Pcmt1	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	ILMN_1243273
13	Hspca	heat shock protein 90kDa alpha (cytosolic), class A member 1	ILMN_2668319
14	Ddx3x	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-linked	ILMN_2710166
15	Cip29	cytokine induced protein 29 kDa	ILMN_2596761
16	Gnpda2	glucosamine-6-phosphate deaminase 2	ILMN_2737101
17	Sp4	trans-acting transcription factor 4	ILMN_1253376
18	Brp44	brain protein 44	ILMN_1237846
19	LOC214738		ILMN_1243256
20	Plaa	phospholipase A2, activating protein	ILMN_1221702
21	Dcun1d1	DCUN1D1 DCN1, defective in cullin neddylation 1, domain containing 1	ILMN_1222165
22	Dek	DEK oncogene (DNA binding)	ILMN_2617496
23	9430020K01Rik	RIKEN cDNA 9430020K01 gene	ILMN_2474515
24	Fin14		ILMN_2519780
25	Lias	lipoic acid synthetase	ILMN_2743668
26	Ttc33	tetratricopeptide repeat domain 33	ILMN_2615628
27	Mdh1	malate dehydrogenase 1, NAD (soluble)	ILMN_2891176
28	Nmd3	NMD3 homolog (S. cerevisiae)	ILMN_1254684
29	Ube3a	ubiquitin protein ligase E3A (Angelman syndrome)	ILMN_3155274
30	Pcna	proliferating cell nuclear antigen	ILMN_2762026
31	Bxdc1	brix domain containing 1	ILMN_1226709
32	Frmd4b	FERM domain containing 4B	ILMN_2599341
33	Mxi1	Max interacting protein 1	ILMN_2765741
34	Setd8	SET domain containing (lysine methyltransferase) 8	ILMN_2603825

35	Arpc2	actin related protein 2/3 complex, subunit 2	ILMN_2698958
36	LOC381300		ILMN_2526572
37	Rspry1	ring finger and SPRY domain containing 1	ILMN_1238609
38	Nudcd2	NudC domain containing 2	ILMN_2751228
39	2900064A13Rik	RIKEN cDNA 2900064A13 gene	ILMN_2755059
40	Npc1	Niemann Pick type C1	ILMN_1247075
41	Pabpc1	poly A binding protein, cytoplasmic 1	ILMN_1214902
42	St13	suppression of tumorigenicity 13	ILMN_1228919
43	1500003O22Rik	RIKEN cDNA 1500003O22 gene	ILMN_2752665
44	Fam133b	family with sequence similarity 133, member B, protein LOC257415	ILMN_1257675
45	Zkscan3	zinc finger with KRAB and SCAN domains 3	ILMN_2491526
46	Srp72	signal recognition particle 72	ILMN_2701837
47	Tsn	translin	ILMN_1240067
48	Pabpc1	poly A binding protein, cytoplasmic 1	ILMN_1259482
49	Hmg2	high mobility group nucleosomal binding domain 2	ILMN_2639081
50	Cycs	cytochrome c, somatic	ILMN_3155380
51	Nkiras1	NFKB inhibitor interacting Ras-like protein 1	ILMN_1238326
52	Rbm18	RNA binding motif protein 18	ILMN_2978585
53	Ccdc72	coiled-coil domain containing 72	ILMN_2669699
54	Hspca	heat shock protein 90kDa alpha (cytosolic), class A member 1	ILMN_2752883
55	Taf9	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor	ILMN_2655555
56	Gpr85	G protein-coupled receptor 85	ILMN_2854983
57	Cdc73	Vcell division cycle 73, Paf1/RNA polymerase II complex component, homolog ( <i>S. cerevisiae</i> )	ILMN_1216938
58	Alg1	asparagine-linked glycosylation 1 homolog (yeast, beta-1,4-mannosyltransferase)	ILMN_3000759
59	Chmp5	chromatin modifying protein 5	ILMN_2670352
60	Atp5l	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit g	ILMN_2587859
61	C1galt1c1	C1GALT1-specific chaperone 1	ILMN_2682271
62	Clcn3	chloride channel 3	ILMN_1221919
63	2700055A20Rik		ILMN_2719498
64	Cct5	chaperonin subunit 5 (epsilon)	ILMN_2707308
65	Lin7c	lin-7 homolog C ( <i>C. elegans</i> )	ILMN_2669869
66	Terf2ip	telomeric repeat binding factor 2, interacting protein	ILMN_2610435
67	Rpl22l1	ribosomal protein L22 like 1	ILMN_2678755
68	4930418G15Rik	RIKEN cDNA 4930418G15 gene	ILMN_2726941
69	Josd3	Josephin domain containing 3	ILMN_2726808
70	Hnrpl	heterogeneous nuclear ribonucleoprotein L-like	ILMN_2768850
71	Ndufb2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	ILMN_2636435
72	Kif3c	kinesin family member 3C	ILMN_1238967
73	Ndufc2	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2	ILMN_1251341
74	Gatad1	GATA zinc finger domain containing 1	ILMN_1259903

75	Camsap1	calmodulin regulated spectrin-associated protein 1	ILMN_1251316
76	BC003331	cDNA sequence BC003331	ILMN_2719794
77	Rab9	RAB9, member RAS oncogene family	ILMN_2783918
78	Srp19	signal recognition particle 19	ILMN_2757224
79	Abce1	ATP-binding cassette, sub-family E (OABP), member 1	ILMN_2982652
80	Nono	non-POU-domain-containing, octamer binding protein	ILMN_2626779
81	Gzf1	GDNF-inducible zinc finger protein 1	ILMN_3007959
82	Terf2	telomeric repeat binding factor 2	ILMN_2912318
83	Dnm1l	dynamitin 1-like GTPase (mitochondrial and peroxisome division)	ILMN_1220522
84	Hspa4l	heat shock protein 4 like	ILMN_1230843
85	Wdr89	WD repeat domain 89	ILMN_2639350
86	Rbm16	RNA binding motif protein 16	ILMN_2598420
87	Cetn2	centrin 2	ILMN_1220409
88	Txn1	thioredoxin 1	ILMN_3009572
89	Dnajc21	DnaJ (Hsp40) homolog subfamily C member 21	ILMN_1215080
90	Ccdc58	coiled-coil domain containing 58	ILMN_1256449
91	LOC386564		ILMN_2540475
92	Lsm2	LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae)	ILMN_2800151
93	Map1lc3b	microtubule-associated protein 1 light chain 3 beta	ILMN_1260033
94	Cnot4	CCR4-NOT transcription complex, subunit 4	ILMN_2828302
95	Anp32a	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	ILMN_1230271
96	LOC385505		ILMN_2540573
97	Trim37	tripartite motif protein 37	ILMN_1247915
98	Prep	prolyl endopeptidase	ILMN_2973020
99	Calm2	calmodulin 2	ILMN_2775885
100	Zfp760	zinc finger protein 760	ILMN_1253678
101	Gtf2e2	general transcription factor II E, polypeptide 2 (beta subunit)	ILMN_2817371
102	Sec11c	SEC11 homolog C (S. cerevisiae)	ILMN_1221592
103	Erlin2	ER lipid raft associated 2	ILMN_2816315
104	Atp5f1	ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit b, isoform 1	ILMN_2717599
105	Tra2a	transformer 2 alpha homolog (Drosophila)	ILMN_1240425
106	Herc3	hect domain and RLD 3	ILMN_1221028
107	Mbip	MAP3K12 binding inhibitory protein 1	ILMN_1217143
108	4631424J17Rik	RIKEN cDNA 4631424J17 gene	ILMN_2427777
109	Gclc	glutamate-cysteine ligase, catalytic subunit	ILMN_2608016
110	Bhlhb5	basic helix-loop-helix domain containing, class B5 (GABAergic amacrine and type 2 OFF-cone bipolar cell expression signature)	ILMN_2743082
111	Ccn1	cyclin L1	ILMN_1228850
112	Chchd7	coiled-coil-helix-coiled-coil-helix domain containing 7	ILMN_1240104
113	Rab43	RAB43, member RAS oncogene family	ILMN_1250910
114	Neurod1	neurogenic differentiation 1	ILMN_1228141

115	Dld	dihydrolipoamide dehydrogenase	ILMN_2703657
116	B930006L02Rik	RIKEN cDNA B930006L02 gene	ILMN_2895339
117	LOC381850		ILMN_1239438
118	Zfp322a	zinc finger protein 322a	ILMN_2462791
119	C1orf52	human chromosome 1 open reading frame 52, RIKEN cDNA 2410004B18 gene	ILMN_2639035
120	Dnajc19	DnaJ (Hsp40) homolog, subfamily C, member 19	ILMN_1252454
121	Nfkbia	nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	ILMN_1218605
122	Prkar2a	protein kinase, cAMP dependent regulatory, type II alpha	ILMN_2760353
123	Ube2n	ubiquitin-conjugating enzyme E2N	ILMN_2512541
124	Zcchc3	zinc finger, CCHC domain containing 3	ILMN_1248465
125	Plcx3	phosphatidylinositol-specific phospholipase C, X domain containing 3	ILMN_2511333
126	Vbp1	von Hippel-Lindau binding protein 1	ILMN_1243095
127	Pcdhb21	protocadherin beta 21	ILMN_2696207
128	D230037D09Rik	RIKEN cDNA D230037D09 gene	ILMN_2831141
129	Nrip1	nuclear receptor interacting protein 1	ILMN_2677483
130	EG333830	predicted gene, EG333830	ILMN_2532099
131	Dnajc8	DnaJ (Hsp40) homolog, subfamily C, member 8	ILMN_2948465
132	Psm6	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6	ILMN_1241910
133	Setx	senataxin	ILMN_2706827
134	Morf4l1	mortality factor 4 like 1	ILMN_2683732
135	Nap1l1	nucleosome assembly protein 1-like 1	ILMN_1215717
136	Tmem34	transmembrane protein 34	ILMN_1248892
137	Cdc40	cell division cycle 40 homolog (yeast)	ILMN_2606108
138	1300018J18Rik	RIKEN cDNA 1300018J18 gene	ILMN_2687854
139	A230095E03Rik	RIKEN A230095E03Rik	ILMN_1239271
140	LOC241737		ILMN_1253681
141	Actl6a	actin-like 6A	ILMN_1254256
142	Trip12	thyroid hormone receptor interactor 12	ILMN_2510364
143	Etv1	ets variant gene 1	ILMN_2631953
144	Top1	topoisomerase (DNA) I	ILMN_1215049
145	LOC380707		ILMN_1252450
146	Pkig	protein kinase inhibitor, gamma	ILMN_3090728
147	Ptma	prothymosin alpha	ILMN_2755660
148	Enoph1	enolase-phosphatase 1	ILMN_1233630
149	Ythdf2	YTH domain family 2	ILMN_1225360
150	Hnrpa2b1	heterogeneous nuclear ribonucleoprotein A2/B1	ILMN_2771074
151	Mbnl2	muscleblind-like 2	ILMN_1254987
152	Rgs17	regulator of G-protein signaling 17	ILMN_1249809
153	Scoc	short coiled-coil protein	ILMN_1216231
154	Laptm4b	lysosomal-associated protein transmembrane 4B	ILMN_2754074

155	Mrps15	mitochondrial ribosomal protein S15	ILMN_1224268
156	Ndufs4	NADH dehydrogenase (ubiquinone) Fe-S protein 4	ILMN_2663694
157	Cript	cysteine-rich PDZ-binding protein	ILMN_1223929
158	Ccdc16	coiled-coil domain containing 16	ILMN_1238403
159	Rchy1	ring finger and CHY zinc finger domain containing 1	ILMN_1255376
160	MGC12966	protein LOC84792 (MGC12966)	ILMN_1224076
161	Pbrm1	polybromo 1	ILMN_1225027
162	C1orf43	NICE-3 protein (hepatitis C virus NS5A-transactivated protein 4, epidermal differentiation complex, human chromosome 1 open reading frame 43)	ILMN_2594807
163	Grtp1	GH regulated TBC protein 1	ILMN_2737940
164	Terf2ip	telomeric repeat binding factor 2, interacting protein	ILMN_2986458
165	Pbrm1	polybromo 1	ILMN_2667709
166	Jam3	junction adhesion molecule 3	ILMN_2633439
167	Smc3	structural maintenace of chromosomes 3	ILMN_2604080
168	Taf12	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor	ILMN_1238852
169	Glx2	glutaredoxin 2 (thioltransferase)	ILMN_1214664
170	Tmem106b	transmembrane protein 106B	ILMN_1231096
171	Gpm6a	glycoprotein m6a downstream element, RIKEN cDNA 9330121K16	ILMN_2909336
172	Snx1	sorting nexin 1	ILMN_2605465
173	Alkbh8	alkB, alkylation repair homolog 8 (E. coli)	ILMN_1258943
174	Mrpl39	mitochondrial ribosomal protein L39	ILMN_1249407
175	Bcat1	branched chain aminotransferase 1, cytosolic	ILMN_1227327
176	Ptprb	protein tyrosine phosphatase, receptor type, B	ILMN_2591731
177	Prmt8	protein arginine N-methyltransferase 8	ILMN_2746167
178	Hectd1	HECT domain containing 1	ILMN_2453391
179	1700020O03Rik	RIKEN cDNA 1700020O03 gene	ILMN_2673628
180	Serf1	small EDRK-rich factor 1	ILMN_2631518
181	Idh3a	isocitrate dehydrogenase 3 (NAD+) alpha	ILMN_1227815
182	Isca1	iron-sulfur cluster assembly 1 homolog (S. cerevisiae)	ILMN_2680329
183	Spc24	SPC24, NDC80 kinetochore complex component, homolog (S. cerevisiae)	ILMN_2948272
184	Rnf121	ring finger protein 121	ILMN_2422239
185	Cct7	chaperonin subunit 7 (eta)	ILMN_1233793
186	Tbc1d19	TBC1 domain family, member 19	ILMN_2627557
187	Stag2	stromal antigen 2	ILMN_1232962
188	LOC236223		ILMN_2527419
189	Herc4	hect domain and RLD 4	ILMN_2698689
190	Cenpq	centromere protein Q	ILMN_2761273
191	Sox2	SRY-box containing gene 2	ILMN_1248711
192	Tpd52	tumor protein D52	ILMN_1253145
193	Rab10	RAB10, member RAS oncogene family	ILMN_2654296
194	Zfp238	zinc finger protein 238	ILMN_2459155

195	Top2b	topoisomerase (DNA) II beta	ILMN_1243403
196	Ppp1cc	protein phosphatase 1, catalytic subunit, gamma isoform	ILMN_1229753
197	Usp14	ubiquitin specific peptidase 14	ILMN_2465770
198	Psmc6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	ILMN_2631558
199	Sel1l	sel-1 suppressor of lin-12-like (C. elegans)	ILMN_3137920
200	Ncl	nucleolin	ILMN_2693976
201	LOC383883	similar to 60S ribosomal protein L17 (L23) (Amino acid starvation-induced protein) (ASI)	ILMN_1227803
202	Rnf11	ring finger protein 11	ILMN_1216143
203	Mff	mitochondrial fission factor	ILMN_2998593
204	Vapa	vesicle-associated membrane protein, associated protein A	ILMN_2485148
205	Stam2	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2	ILMN_2970381
206	Eif3c	eukaryotic translation initiation factor 3, subunit C	ILMN_1223428
207	Stmn1	stathmin 1	ILMN_1248132
208	Spast	spastin	ILMN_2637784
209	Ddx50	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50	ILMN_2957605
210	Armc8	armadillo repeat containing 8	ILMN_2715784
211	Mtg1	mitochondrial GTPase 1 homolog (S. cerevisiae)	ILMN_3007236
212	Hipk1	homeodomain interacting protein kinase 1	ILMN_2449466
213	Tspan3	tetraspanin 3	ILMN_1251499
214	Pgam1	phosphoglycerate mutase 1	ILMN_1232278
215	Hmgb1	high mobility group box 1	ILMN_2542048
216	Rps6	ribosomal protein S6	ILMN_1232951
217	Sdhd	succinate dehydrogenase complex, subunit D, integral membrane protein	ILMN_1239143
218	Tmem161b	transmembrane protein 161B	ILMN_1249171
219	Map2k1	mitogen activated protein kinase kinase 1	ILMN_2714534
220	Cox7b	cytochrome c oxidase subunit VIIb	ILMN_2671689
221	Abcb7	ATP-binding cassette, sub-family B (MDR/TAP), member 7	ILMN_2647744
222	EG277333	predicted gene, EG277333	ILMN_2591127
223	2300009A05Rik	RIKEN cDNA 2300009A05 gene	ILMN_1225386
224	Ankrd12	ankyrin repeat domain 12	ILMN_2508350
225	Tgs1	trimethylguanosine synthase homolog (S. cerevisiae)	ILMN_2660485
226	Ankhd1	ankyrin repeat and KH domain containing 1	ILMN_2510122
227	4732479N06Rik	RIKEN cDNA 4732479N06 gene	ILMN_1236357
228	EG384525	predicted gene, EG384525	ILMN_1234143
229	Sprr2a	small proline-rich protein 2A	ILMN_3150677
230	B230315N10Rik	RIKEN cDNA B230315N10 gene	ILMN_2417602
231	Ptpr	protein tyrosine phosphatase, receptor type, R	ILMN_2706730
232	Lypla1	lysophospholipase 1	ILMN_2873319
233	Slc25a4	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 4	ILMN_1225312
234	Nudt21	nudix (nucleoside diphosphate linked moiety X)-type motif 21	ILMN_2979052

235	Nrxn3	neurexin III	ILMN_2763404
236	Zfand6	zinc finger, AN1-type domain 6	ILMN_2821501
237	Cklf	chemokine-like factor	ILMN_2729634
238	Ppp2r2b	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	ILMN_3101674
239	Zfp161	zinc finger protein 161	ILMN_2417945
240	Smu1	smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans)	ILMN_2635633
241	Ttbk2	tau tubulin kinase 2	ILMN_1255889
242	Gnb2l1	guanine nucleotide binding protein (G protein), beta polypeptide 2 like 1	ILMN_2652645
243	Rg9mtd1	RNA (guanine-9-) methyltransferase domain containing 1	ILMN_2689740
244	6030458C11Rik	RIKEN cDNA 6030458C11 gene	ILMN_1234301
245	Ccdc59	coiled-coil domain containing 59	ILMN_2877436
246	Sept7	septin 7	ILMN_1217625
247	2610044O15Rik	RIKEN cDNA 2610044O15 gene	ILMN_1260441
248	LOC383850	similar to 60S ribosomal protein L23a	ILMN_2536184
249	Akr1e1	aldo-keto reductase family 1, member E1 (homolog of human AKR1E2)	ILMN_2602837
250	Rrn3	RRN3 RNA polymerase I transcription factor homolog (yeast)	ILMN_2729771
251	Snx25	sorting nexin 25	ILMN_2851429
252	Ergic2	ERGIC and golgi 2	ILMN_1256488
253	Prpsap2	phosphoribosyl pyrophosphate synthetase-associated protein 2	ILMN_2629446
254	Eif4g2	eukaryotic translation initiation factor 4, gamma 2	ILMN_2625167
255	Dnajb4	DnaJ (Hsp40) homolog, subfamily B, member 4	ILMN_2614246
256	Samd8	sterile alpha motif domain containing 8	ILMN_1219877
257	Paip2	polyadenylate-binding protein-interacting protein 2	ILMN_1258515
258	5830471E12Rik	RIKEN cDNA 5830471E12 gene	ILMN_1248994
259	Jag1	jagged 1	ILMN_1257077
260	Epm2aip1	EPM2A (laforin) interacting protein 1	ILMN_2699995
261	Ndfip2	Nedd4 family interacting protein 2	ILMN_1247636
262	Usp48	ubiquitin specific peptidase 48	ILMN_2497526
263	Mettl5	methyltransferase like 5	ILMN_2657009
264	Amd1	adenosylmethionine decarboxylase 1	ILMN_1249590
265	Sltm	SAFB-like, transcription modulator	ILMN_1224792
266	Snapc1	small nuclear RNA activating complex, polypeptide 1	ILMN_2745849
267	Lrit2	leucine-rich repeat, immunoglobulin-like and transmembrane domains 2	ILMN_2588946
268	Tmem9b	TMEM9 domain family, member B	ILMN_2914880
269	Id2	inhibitor of DNA binding 2	ILMN_1228557
270	Ssb	Sjogren syndrome antigen B	ILMN_2551652
271	2210412D01Rik	RIKEN cDNA 2210412D01 gene	ILMN_1217822
272	Rpl5	ribosomal protein L5	ILMN_1218708
273	Pdik1l	PDLIM1 interacting kinase 1 like	ILMN_1220174
274	Rwdd4a	RWD domain containing 4A	ILMN_2696620

275	Mterfd3	MTERF domain containing 3	ILMN_2997382
276	2510003E04Rik	RIKEN cDNA 2510003E04 gene	ILMN_1255236
277	Hsd11	hydroxysteroid dehydrogenase like 1	ILMN_2691227
278	Jak1	Janus kinase 1	ILMN_2701093
279	Hprt1	hypoxanthine guanine phosphoribosyl transferase 1	ILMN_2767487
280	Nfu1	NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae)	ILMN_2698494
281	Psm6	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6	ILMN_1254132
282	C730025P13Rik	RIKEN cDNA C730025P13 gene	ILMN_2773862
283	Ddt	D-dopachrome tautomerase	ILMN_2596297
284	Fnip1	folliculin interacting protein 1	ILMN_1240202
285	Necab1	N-terminal EF-hand calcium binding protein 1	ILMN_2821247
286	Ccrn4l	CCR4 carbon catabolite repression 4-like (S. cerevisiae)	ILMN_2591440
287	Pin4	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin)	ILMN_1242508
288	Ythdc2	YTH domain containing 2	ILMN_2426491
289	Mdga2	MAM domain containing glycosylphosphatidylinositol anchor 2	ILMN_2847711
290	6430411K14Rik		ILMN_2467185
291	9430025M13Rik	RIKEN cDNA 9430025M13 gene	ILMN_2646550
292	5730494M16Rik	RIKEN cDNA 5730494M16 gene	ILMN_2597022
293	Rdx	radixin	ILMN_2753452
294	Galt	galactose-1-phosphate uridyl transferase	ILMN_2711442
295	Dmtf1	cyclin D binding myb-like transcription factor 1	ILMN_3000325
296	Ndufb5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5	ILMN_2617335
297	Nsg1	neuron specific gene family member 1	ILMN_2626345
298	2610209M04Rik	RIKEN cDNA 2610209M04 gene	ILMN_2860750
299	LOC193533	similar to proteasome alpha7/C8 subunit	ILMN_1229008
300	Eapp	E2F-associated phosphoprotein	ILMN_1258998
301	Ap3s1	adaptor-related protein complex 3, sigma 1 subunit	ILMN_1236624
302	Cryz1	crystallin, zeta (quinone reductase)-like 1	ILMN_1246295
303	Magohb	mago-nashi homolog B	ILMN_1223176
304	Bptf	bromodomain PHD finger transcription factor	ILMN_2509623
305	LOC667250	similar to H3 histone, family 3B	ILMN_3123441
306	Taf13	TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor	ILMN_2728830
307	Bbx	bobby sox homolog (Drosophila)	ILMN_1222069
308	Psm14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	ILMN_2771815
309	Sco1	SCO cytochrome oxidase deficient homolog 1 (yeast)	ILMN_2510467
310	Lrrc59	leucine rich repeat containing 59	ILMN_1241854
311	Epm2aip1	EPM2A (laforin) interacting protein 1	ILMN_1256740
312	Tfb2m	transcription factor B2, mitochondrial	ILMN_1215264
313	Elavl4	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 4 (Hu antigen D)	ILMN_2734000
314	Dazap2	DAZ associated protein 2	ILMN_2739287

315	Daam1	dishevelled associated activator of morphogenesis 1	ILMN_1246330
316	Selk	selenoprotein K	ILMN_2671601
317	COX2	mitochondrially encoded cytochrome c oxidase II	ILMN_2426691
318	Cltc	clathrin, heavy polypeptide (Hc)	ILMN_2456776
319	LOC237081		ILMN_1246561
320	Zfp263	zinc finger protein 263	ILMN_2496621
321	Eid1	EP300 interacting inhibitor of differentiation 1	ILMN_2669766
322	Evl	Ena-vasodilator stimulated phosphoprotein	ILMN_2731454
323	Actr8	ARP8 actin-related protein 8 homolog (S. cerevisiae)	ILMN_2601043
324	2310061C15Rik	RIKEN cDNA 2310061C15 gene	ILMN_2703204
325	LOC382096	similar to Peptidyl-prolyl cis-trans isomerase A (PPIase) (Rotamase) (Cyclophilin A) (Cyclosporin A-binding protein) (SP18)	ILMN_1250676
326	Poldip2	polymerase (DNA-directed), delta interacting protein 2	ILMN_2543314
327	Aff1	AF4/FMR2 family, member 1	ILMN_2469264
328	Ankrd12	ankyrin repeat domain 12	ILMN_1241761
329	Polr2k	polymerase (RNA) II (DNA directed) polypeptide K	ILMN_2736071
330	Samsn1	SAM domain, SH3 domain and nuclear localization signals, 1	ILMN_2502346
331	Msl2l1	male-specific lethal 2-like 1 (Drosophila)	ILMN_2498779
332	A030009H04Rik	RIKEN cDNA A030009H04 gene	ILMN_2627765
333	Atp5a1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1	ILMN_2633229
334	Atp6v0c	ATPase, H+ transporting, lysosomal V0 subunit C	ILMN_1239946
335	Hiat1	hippocampus abundant transcript-like 1	ILMN_2796878
336	RP23-330D3.5	novel KRAB box and zinc finger, C2H2 type domain containing protein	ILMN_2536053
337	Tars	threonyl-tRNA synthetase	ILMN_1257552
338	1110002B05Rik	RIKEN cDNA 1110002B05 gene	ILMN_2634338
339	Col9a1	procollagen, type IX, alpha 1	ILMN_2439360
340	Acadsb	acyl-Coenzyme A dehydrogenase, short/branched chain	ILMN_2614728
341	Insig1	insulin induced gene 1	ILMN_2895388
342	Syncrip	synaptotagmin binding, cytoplasmic RNA interacting protein	ILMN_2709935
343	Oxr1	oxidation resistance 1	ILMN_2697390
344	Ndrp4	N-myc downstream regulated gene 4	ILMN_2751854
345	H3f3a	H3 histone, family 3A	ILMN_1221290
346	Cox11	COX11 homolog, cytochrome c oxidase assembly protein (yeast)	ILMN_1247397
347	Atp1b1	ATPase, Na+/K+ transporting, beta 1 polypeptide	ILMN_1214703
348	Snx14	sorting nexin 14	ILMN_1236312
349	LOC380665		ILMN_1237333
350	Pde4b	phosphodiesterase 4B, cAMP specific	ILMN_2697552
351	Sap30l	SAP30-like	ILMN_2759792
352	Cep192	centrosomal protein 192	ILMN_2635523
353	Psm14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	ILMN_2933914
354	Narg2	NMDA receptor-regulated gene 2	ILMN_2802952

355	Dynlt3	dynein light chain Tctex-type 3	ILMN_1216559
356	Arid2	AT rich interactive domain 2 (Arid-rfx like)	ILMN_2777804
357	Txn12	thioredoxin-like 2	ILMN_2500997
358	Eef1b2	eukaryotic translation elongation factor 1 beta 2	ILMN_2874853
359	Akirin2	akirin 2	ILMN_1230192
360	Elov16	ELOVL family member 6, elongation of long chain fatty acids (yeast)	ILMN_1228218
361	Psm12	proteasome (prosome, macropain) 26S subunit, non-ATPase, 12	ILMN_1216211
362	Rps12	ribosomal protein S12	ILMN_1251098
363	Slco3a1	solute carrier organic anion transporter family, member 3a1	ILMN_1235635
364	Usmg5	upregulated during skeletal muscle growth 5	ILMN_1219002
365	Mospd1	motile sperm domain containing 1	ILMN_2727258
366	Ppia	peptidylprolyl isomerase A	ILMN_2527341
367	Ccdc6	coiled-coil domain containing 6	ILMN_1236934
368	Terf2ip	telomeric repeat binding factor 2, interacting protein	ILMN_1235615
369	D3Ert254e	DNA segment, Chr 3, ERATO Doi 254, expressed	ILMN_2475022
370	Cdc3711	cell division cycle 37-like 1	ILMN_1242724
371	2410017P09Rik	RIKEN cDNA 2410017P09 gene	ILMN_2484723
372	Tceal1	transcription elongation factor A (SII)-like 1	ILMN_2937136
373	1700081L11Rik	RIKEN cDNA 1700081L11 gene	ILMN_2758662
374	Krit1	KRIT1, ankyrin repeat containing	ILMN_2715749
375	6330407J23Rik	RIKEN cDNA 6330407J23 gene	ILMN_1218026
376	Glul	glutamate-ammonia ligase (glutamine synthetase)	ILMN_2644496
377	Fig4	FIG4 homolog (S. cerevisiae)	ILMN_1256668
378	Pax6	paired box gene 6	ILMN_2504978
379	Tmem209	transmembrane protein 209	ILMN_2830837
380	Sh3glb1	SH3-domain GRB2-like B1 (endophilin)	ILMN_2732362
381	A730008L03Rik	RIKEN cDNA A730008L03 gene	ILMN_2655803
382	Pcnp	PEST proteolytic signal containing nuclear protein	ILMN_2667983
383	Tmed10	transmembrane emp24-like trafficking protein 10 (yeast)	ILMN_2643423
384	Larp2	La ribonucleoprotein domain family, member 2	ILMN_2701779
385	Mrg1	myeloid ecotropic viral integration site-related gene 1	ILMN_2774121
386	Gnl2	guanine nucleotide binding protein-like 2 (nucleolar)	ILMN_2770686
387	Nol4	nucleolar protein 4	ILMN_1260063
388	Rtn1		ILMN_1235203
389	Kctd3	reticulon 1	ILMN_1224318
390	Osbpl1a	potassium channel tetramerisation domain containing 3	ILMN_2702857
391	Rfxdc2	oxysterol binding protein-like 1A	ILMN_1241963
392	Taf9	mitochondrial ribosomal protein L44	ILMN_3144963
393	4933427G23Rik	aryl hydrocarbon receptor nuclear translocator	ILMN_1223907
394	Cyfp2	RIKEN cDNA 4933427G23 gene	ILMN_2670713

395	Tm9sf3	cytoplasmic FMR1 interacting protein 2	ILMN_2603545
396	Exosc6	transmembrane 9 superfamily member 3	ILMN_2685849
397	Aldh6a1	exosome component 6	ILMN_1258158
398	Ktn1	aldehyde dehydrogenase family 6, subfamily A1	ILMN_2890238
399	Polr2g	kinectin 1	ILMN_2680262
400	Ndufb4	polymerase (RNA) II (DNA directed) polypeptide G	ILMN_1227012
401	Pafah1b1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 4	ILMN_1239002
402	Actr6	platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit	ILMN_2593338
403	Gpm6b	coiled-coil domain containing 53	ILMN_2631345
404	Ccny	glycoprotein m6b	ILMN_1233812
405	Vps4b	additional sex combs like 2 (Drosophila)	ILMN_2455501
406	Klh13	vacuolar protein sorting 4b (yeast)	ILMN_1215124
407	Slc30a4	kelch-like 13 (Drosophila)	ILMN_2679984
408	St18	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	ILMN_2606404
409	Yod1	suppression of tumorigenicity 18	ILMN_2886947
410	BC006662	YOD1 OTU deubiquitinating enzyme 1 homologue (S. cerevisiae)	ILMN_2769844
411	Smad1	cDNA sequence BC006662	ILMN_2953700
412	Ptptra	MAD homolog 1 (Drosophila)	ILMN_2607022
413	Nme6	sorting nexin family member 30	ILMN_2672325
414	Ints5	expressed in non-metastatic cells 6, protein	ILMN_1227693
415	LOC245676	integrator complex subunit 5	ILMN_1228611
416	Ubac1		ILMN_1241976
417	mt-Nd4l	RIKEN cDNA 4733401H18 gene	ILMN_2512204
418	Fbxo3	NADH dehydrogenase 4L, mitochondrial	ILMN_2587786
419	6330419J24Rik	transmembrane protein 9	ILMN_2702785
420	Psmc2	RIKEN cDNA 6330419J24 gene	ILMN_2764737
421	Kbtbd7	splicing factor 3b, subunit 4	ILMN_2516565
422	Ptchd1	kelch repeat and BTB (POZ) domain containing 7	ILMN_2720158
423	Ptges3	patched domain containing 1	ILMN_2674720
424	Rab10	prostaglandin E synthase 3 (cytosolic)	ILMN_2668608
425	Ctnnb1	RAB10, member RAS oncogene family	ILMN_2696575
426	Hist1h2bc	RNA U, small nuclear RNA export adaptor	ILMN_2677231
427	Zc3h15	histone cluster 1, H2bc	ILMN_1252832
428	Emg1	ribosomal protein, large P2	ILMN_2735981
429	Pttg1ip	seven in absentia 2	ILMN_2616309
430	Lmbr1	pituitary tumor-transforming 1 interacting protein	ILMN_2523421
431	Ranbp2	limb region 1	ILMN_2692496
432	LOC381649	RAN binding protein 2	ILMN_1241536
433	9130401M01Rik	E2F transcription factor 5	ILMN_2754054
434	Hspa8	ubiquitin carboxyl-terminal esterase L5	ILMN_1249586

435	Msh2	heat shock protein 8	ILMN_2634358
436	Plxnc1	arginine and glutamate rich 1	ILMN_2481902
437	Ppa2	plexin C1	ILMN_2773099
438	Aasdhppt	dystroglycan 1	ILMN_2644455
439	Lrrn2	reticulon 4 (Nogo axonal guidance)	ILMN_2670344
440	Tmem77	leucine rich repeat protein 2, neuronal	ILMN_3127932
441	Fh1	talin 2	ILMN_2771754
442	Smc4	fumarate hydratase 1	ILMN_2709097
443	Rtn4rl1	structural maintenance of chromosomes 4	ILMN_1227403
444	Gnaq	polymorphic ribosomal protein L13A sequence fragment, Chr 19, Illumina probe 102190368	ILMN_2658443
445	Gabarapl2	mature T-cell proliferation 1	ILMN_1219431
446	Adrbk1	RUN and FYVE domain containing 1	ILMN_2773496
447	Med23	FUS interacting protein (serine-arginine rich) 1	ILMN_1251193
448	Znrd1	mediator complex subunit 23	ILMN_2971486
449	C14orf104	zinc ribbon domain containing, 1	ILMN_1229416
450	Zfp346	kintoun, C14orf104, pre-assembly of dynein arm complexes	ILMN_1253077
451	Eed	zinc finger protein 346	ILMN_2765015
452	Metap2	embryonic ectoderm development	ILMN_1235192
453	Herc4	methionine aminopeptidase 2	ILMN_2965066
454	R3hdm2	transforming growth factor, beta 2	ILMN_2690203
455	Srfbp1	R3H domain containing 2	ILMN_1242900
456	ILM104670441	serum response factor binding protein 1	ILMN_2476733
457	Kif21b	expressed sequence AI314976	ILMN_1254763
458	Sos2	kinesin family member 21B	ILMN_1235158
459	Smek1	RIKEN cDNA 1110067D22 gene	ILMN_3000465
460	Cnot6l	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	ILMN_2642671
461	Mtmr14	CCR4-NOT transcription complex, subunit 6-like	ILMN_1258996
462	Ube2q2	leucine-rich repeat, immunoglobulin-like and transmembrane domains 1	ILMN_2826027
463	Rad21	ubiquitin-conjugating enzyme E2Q (putative) 2	ILMN_2612856
464	Azi2	RAD21 homolog (S. pombe)	ILMN_2689632
465	Becn1	5-azacytidine induced gene 2	ILMN_3090581
466	Phf12	beclin 1 (autophagy, coiled-coil, myosin-like BCL2-interacting protein)	ILMN_2686926
467	Snai3	PHD finger protein 12	ILMN_1239726
468	Dek	snail homolog 3 (Drosophila)	ILMN_2755384
469	LOC230592	DEK oncogene (DNA binding)	ILMN_2529519
470	Lysmd2		ILMN_1239808
471	Skp1a	gamma-aminobutyric acid (GABA-A) receptor-associated protein-like 2	ILMN_2733888
472	Agxt2l2	S-phase kinase-associated protein 1A	ILMN_2679447
473	Polr3h	chromodomain helicase DNA binding protein 7	ILMN_1218993
474	Clcn4-2	ubinnuclein 1	ILMN_1255684

475	Prpf38a	aspartate-beta-hydroxylase	ILMN_2630704
476	Metap2	PRP38 pre-mRNA processing factor 38 (yeast) domain containing A	ILMN_2668243
477	Erbp2ip	methionine aminopeptidase 2	ILMN_1244790
478	2610304G08Rik	Erbp2 interacting protein	ILMN_1256682
479	Clta	RIKEN cDNA 2610304G08 gene	ILMN_1218950
480	Gosr2	clathrin, light polypeptide (Lca)	ILMN_2815107
481	Wdsof1	golgi SNAP receptor complex member 2	ILMN_1236303
482	Rnf6	prohibitin	ILMN_2975856
483	Cdc123	AK038407 EST, non-coding	ILMN_1224222
484	Fxr1h	cell division cycle 123 homolog (S. cerevisiae)	ILMN_2611491
485	Wbp2	phospholipase D family, member 3	ILMN_1249698
486	4930566A11Rik	WW domain binding protein 2	ILMN_2693387
487	Hmgb1	RIKEN cDNA 4930566A11 gene	ILMN_1245504
488	Nup88	chromobox homolog 3 (Drosophila HP1 gamma)	ILMN_2639464
489	Hadhb	nucleoporin 88	ILMN_1230454
490	6330439K17Rik	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	ILMN_2453107
491	Alkbh1	kinectin 1	ILMN_2431007
492	Pls3	alkB, alkylation repair homolog 1 (E. coli)	ILMN_2764781
493	Prune	ADP-ribosylation factor-like 13B	ILMN_2791811
494	Sox4	prune homolog (Drosophila)	ILMN_2505185
495	Uimc1	telomeric repeat binding factor 2	ILMN_1221904
496	Ankrd17	ubiquitin interaction motif containing 1	ILMN_2675464
497	3110031B13Rik	ankyrin repeat domain 17	ILMN_2652085
498	Pnpla8	F-box protein 3	ILMN_1251273
499	Mecp2	patatin-like phospholipase domain containing 8	ILMN_1228751
500	Slc20a1	methyl CpG binding protein 2	ILMN_2589412
501	Prepl	RNA and export factor binding protein 2	ILMN_1254104
502	Slc12a5	prolyl endopeptidase-like	ILMN_1224363
503	Abcf2	solute carrier family 12, member 5	ILMN_1242066
504	Ralgs2	asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase)	ILMN_1232452
505	Clp1	Ral GEF with PH domain and SH3 binding motif 2	ILMN_2620844
506	Abcd3	CLP1, cleavage and polyadenylation factor I subunit, homolog (S. cerevisiae)	ILMN_2447373
507	Prim1	FtsJ homolog 1 (E. coli)	ILMN_1241140
508	Serinc1	early B-cell factor 1	ILMN_2775381
509	Hprt1	serine incorporator 1	ILMN_2776552
510	2310047O13Rik	hypoxanthine guanine phosphoribosyl transferase 1	ILMN_1259621
511	Fancl	OCIA domain containing 1	ILMN_2740285
512	Pgrmc1	RIKEN cDNA 2900006K08 gene	ILMN_2623216
513	Dedd	RAB21, member RAS oncogene family	ILMN_2857679
514	Kcna5	death effector domain-containing	ILMN_1259851

515	Cnot4	potassium voltage-gated channel, shaker-related subfamily, member 5	ILMN_2738972
516	Hspe1	ubiquitin-conjugating enzyme E2E 3, UBC4/5 homolog (yeast)	ILMN_2960308
517	Tdg	heat shock protein 1 (chaperonin 10)	ILMN_2666355
518	Tanc1	zinc finger protein 1	ILMN_2677882
519	Elf2	splicing factor, arginine/serine-rich 15	ILMN_1255311
520	Zbed4	E74-like factor 2	ILMN_2418222
521	Snap91	zinc finger, BED domain containing 4	ILMN_1247504
522	Hig1	synaptosomal-associated protein 91	ILMN_2644630
523	BC038286	RIKEN cDNA C030039L03 gene	ILMN_1213426
524	Pmpcb	cDNA sequence BC038286	ILMN_2640122
525	Dido1	peptidase (mitochondrial processing) beta	ILMN_1245250
526	Zfp26	F-box and WD-40 domain protein 2	ILMN_1247129
527	Crbn	CCR4-NOT transcription complex, subunit 6	ILMN_1251315
528	9830169C18Rik	cereblon	ILMN_2962095
529	Actr10	RIKEN cDNA 9830169C18 gene	ILMN_2703354
530	Nampt	ARP10 actin-related protein 10 homolog	ILMN_2821850
531	A730004F22Rik	nicotinamide phosphoribosyltransferase	ILMN_2416701
532	Pja1		ILMN_2614884
533	Zfml	apoptosis, caspase activation inhibitor	ILMN_2930933
534	Dnajc16	zinc finger, matrin-like	ILMN_1247873
535	3230401D17Rik	DnaJ (Hsp40) homolog, subfamily C, member 16	ILMN_2684413
536	Pdcd5	RIKEN cDNA 3230401D17 gene	ILMN_2756658
537	EG232887	programmed cell death 5	ILMN_2533054
538	BC049807	predicted gene, EG232887	ILMN_2530460
539	Hps5	cDNA sequence BC049807	ILMN_2740006
540	2410019A14Rik	Hermansky-Pudlak syndrome 5 homolog (human)	ILMN_1231612
541	Pcdhb17	RIKEN cDNA 2410019A14 gene	ILMN_1214296
542	1200003C05Rik	solute carrier family 16 (monocarboxylic acid transporters), member 6	ILMN_2734290
543	Cfl2	RIKEN cDNA 1200003C05 gene	ILMN_1241871
544	Zfp113	cofilin 2, muscle	ILMN_2439322
545	E130114P18Rik	zinc finger protein 113	ILMN_2720218
546	B3galt1	RIKEN cDNA E130114P18 gene	ILMN_2441400
547	Chst10	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	ILMN_2595863
548	Map3k7ip1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1	ILMN_1233783
549	Pwp1	PWP1 homolog (S. cerevisiae)	ILMN_2678502
550	Hnrpd1	heterogeneous nuclear ribonucleoprotein D-like	ILMN_2903440
551	Smpd4	sphingomyelin phosphodiesterase 4	ILMN_1212993
552	Bckdhb	branched chain ketoacid dehydrogenase E1, beta polypeptide	ILMN_2660803
553	Entpd5	ectonucleoside triphosphate diphosphohydrolase 5	ILMN_2433685
554	Tomm70a	translocase of outer mitochondrial membrane 70 homolog A (yeast)	ILMN_1234112

555	Fhod3	formin homology 2 domain containing 3	ILMN_2672221
556	Ndufa5	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5	ILMN_2691460
557	Foxred1	FAD-dependent oxidoreductase domain containing 1	ILMN_2832884
558	Rplp2	ribosomal protein, large P2	ILMN_2542885
559	Dnajb9	DnaJ (Hsp40) homolog, subfamily B, member 9	ILMN_2829636
560	Tsr1	TSR1, 20S rRNA accumulation, homolog (yeast)	ILMN_2772492
561	Cngb3	cyclic nucleotide gated channel beta 3 -verified: good probe	ILMN_2722268
562	D230037D09Rik	RIKEN cDNA D230037D09 gene	ILMN_1231670
563	Hnrnpu	heterogeneous nuclear ribonucleoprotein U	ILMN_1259775
564	Hspa5	heat shock protein 5	ILMN_1255561
565	EG225058	predicted gene, EG225058	ILMN_2530916
566	2810055G20Rik	RIKEN cDNA 2810055G20 non-coding	ILMN_2712892
567	1110020G09Rik	RIKEN cDNA 1110020G09 gene	ILMN_1237830
568	Nr1d2	nuclear receptor subfamily 1, group D, member 2	ILMN_2798993
569	Nab1	Ngfi-A binding protein 1	ILMN_2721761
570	T2bp	Traf2 binding protein	ILMN_1233896
571	Nrbf2	nuclear receptor binding factor 2	ILMN_2837888
572	Aifm1	apoptosis-inducing factor, mitochondrion-associated 1	ILMN_2881272
573	Dph3	DPH3 homolog (zinc finger CSL domain containing 2, deafness locus putative guanine nucleotide exchange factor interacting protein 1)	ILMN_2717172
574	Rpl18a	Ribosomal protein L18A	ILMN_2673936
575	Nck1	non-catalytic region of tyrosine kinase adaptor protein 1	ILMN_2917618
576	Bccip	BRCA2 and CDKN1A interacting protein	ILMN_2770003
577	1110020N13Rik		ILMN_1254950
578	Lpgat1	lysophosphatidylglycerol acyltransferase 1	ILMN_2720479
579	Mrpl18	mitochondrial ribosomal protein L18	ILMN_2823250
580	Dnaja2	DnaJ (Hsp40) homolog, subfamily A, member 2	ILMN_3003324
581	LOC212399	similar to actin, gamma, cytoplasmic	ILMN_1244312
582	Sugt1	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	ILMN_1229259
583	Nsun5	NOL1/NOP2/Sun domain family, member 5	ILMN_1219921
584	Tmtc4	transmembrane and tetratricopeptide repeat containing 4	ILMN_1216099
585	Ctnnb1	catenin (cadherin associated protein), beta 1	ILMN_2994460
586	LOC280205		ILMN_1247477
587	Psme2b		ILMN_2621596
588	Smarca5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	ILMN_2680424
589	EG433182	predicted gene, EG433182	ILMN_2953277
590	Gpr85	G protein-coupled receptor 85	ILMN_1235042
591	9330179O15Rik		ILMN_1234016
592	Gap43	growth associated protein 43	ILMN_1234990
593	D130059P03Rik	RIKEN cDNA D130059P03 gene	ILMN_2709787
594	LOC383826	similar to 60S ribosomal protein L7a (Surfeit locus protein 3) (PLA-X polypeptide)	ILMN_1216011

595	Las1l	LAS1-like ( <i>S. cerevisiae</i> )	ILMN_1228498
596	Dcun1d5	DCN1, defective in cullin neddylation 1, domain containing 5 ( <i>S. cerevisiae</i> )	ILMN_1238285
597	5730410I19Rik	RIKEN cDNA 5730410I19 gene	ILMN_2809436
598	Kiaa0174	Kiaa0174 protein	ILMN_1260112
599	Huwe1	HECT, UBA and WWE domain containing 1	ILMN_2494747
600	Ubac1	ubiquitin associated domain containing 1	ILMN_2431046
601	Dnajb9	DnaJ (Hsp40) homolog, subfamily B, member 9	ILMN_2510875
602	Nap1l5	nucleosome assembly protein 1-like 5	ILMN_2608073
603	Tbp	TATA box binding protein	ILMN_2454677
604	Cdc37l1	cell division cycle 37 homolog ( <i>S. cerevisiae</i> )-like 1	ILMN_2918032
605	D5Ert585e	DNA segment, Chr 5, ERATO Doi 585, expressed	ILMN_2693803
606	Rnpc3	RNA-binding region (RNP1, RRM) containing 3	ILMN_2745318
607	Fkbp7	FK506 binding protein 7	ILMN_1227875
608	4631416L12Rik	RIKEN cDNA 4631416L12 gene	ILMN_2591219
609	Paics	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoribosylaminoimidazole, succinocarboxamide synthetase	ILMN_1234068
610	Gabpa	GA repeat binding protein, alpha	ILMN_2758120
611	6330409N04Rik	RIKEN cDNA 6330409N04 gene	ILMN_2704715
612	Rer1	RER1 retention in endoplasmic reticulum 1 homolog ( <i>S. cerevisiae</i> )	ILMN_2935796
613	Minpp1	multiple inositol polyphosphate histidine phosphatase 1	ILMN_1253545
614	Eif2ak3	eukaryotic translation initiation factor 2 alpha kinase 3	ILMN_1215644
615	Kpna3	karyopherin (importin) alpha 3	ILMN_1247312
616	Ss18	synovial sarcoma translocation, Chromosome 18	ILMN_1233813
617	Eif2b2	eukaryotic translation initiation factor 2B, subunit 2 beta	ILMN_2762301
618	Cwf19l2	CWF19-like 2, cell cycle control ( <i>S. pombe</i> )	ILMN_2545192
619	Etfa	electron transferring flavoprotein, alpha polypeptide	ILMN_1237075
620	Nlgn1	neuroligin 1 (postsynaptic beta neurexin-binding protein)	ILMN_1222411
621	4931406C07Rik	RIKEN cDNA 4931406C07 gene	ILMN_2612325
622	LOC383576		ILMN_2535430
623	Pou6f2	POU domain, class 6, transcription factor 2	ILMN_1225661
624	Trnt1	tRNA nucleotidyl transferase, CCA-adding, 1	ILMN_2593356
625	Slc3a2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	ILMN_2595359
626	Zbtb8os	zinc finger and BTB domain containing 8 opposite strand (protein archease)	ILMN_2740159
627	Cpsf6	cleavage and polyadenylation specific factor 6	ILMN_3117180
628	Ptplb	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	ILMN_2777535
629	Btg1	B-cell translocation gene 1, anti-proliferative	ILMN_2866189
630	Hsf1	heat shock factor 1	ILMN_1255216
631	Smad1	MAD homolog 1 ( <i>Drosophila</i> )	ILMN_2671572
632	Nr1d2	nuclear receptor subfamily 1, group D, member 2	ILMN_2602387
633	LOC386233		ILMN_2538355
634	Clasp1	CLIP associating protein 1	ILMN_1247054

635	Ccbl1	cysteine conjugate-beta lyase 1	ILMN_2623735
636	Atp5b	ATP synthase, H+ transporting mitochondrial F1 complex, beta subunit	ILMN_2598972
637	2310005N03Rik	RIKEN cDNA 2310005N03 gene	ILMN_2693258
638	Scyl1bp1	SCY1-like 1 binding protein 1	ILMN_2743991
639	Trappc6b	trafficking protein particle complex 6B	ILMN_2455955
640	Scfd1	sec1 family domain containing 1	ILMN_1257281
641	Zbtb26	zinc finger and BTB domain containing 26	ILMN_2465683
642	2700090O03Rik	RIKEN cDNA 2700090O03 gene	ILMN_2623807
643	LOC216674	similar to Aldo-keto reductase family 1, member B3 (aldose reductase)	ILMN_1244066
644	Clpx	caseinolytic peptidase X (E.coli)	ILMN_2613869
645	1110067D22Rik	RIKEN cDNA 1110067D22 gene	ILMN_1252881
646	ORF19	open reading frame 19	ILMN_1247787
647	Traf5	Tnf receptor-associated factor 5	ILMN_3046362
648	2810474O19Rik	RIKEN cDNA 2810474O19 gene	ILMN_2685055
649	Pde6d	phosphodiesterase 6D, cGMP-specific, rod, delta	ILMN_1260174
650	5430411K18Rik	RIKEN cDNA 5430411K18 gene	ILMN_2722131
651	Pgm2	phosphoglucomutase 2	ILMN_2788673
652	Psm11	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	ILMN_1214057
653	ATP6	mitochondrially encoded ATP synthase 6 (ATP synthase F0 subunit 6)	ILMN_2504686
654	Hspe1	heat shock protein 1 (chaperonin 10)	ILMN_1213364
655	Slc7a6os	solute carrier family 7, member 6 opposite strand	ILMN_2738548
656	Dnajc2	DnaJ (Hsp40) homolog, subfamily C, member 2	ILMN_1233931
657	Vps26b	vacuolar protein sorting 26 homolog B (yeast)	ILMN_2631192
658	Znrf1	zinc and ring finger 1	ILMN_1232073
659	B630005N14Rik	RIKEN cDNA B630005N14 gene	ILMN_1230054
660	4930578N16Rik	RIKEN cDNA 4930578N16 gene	ILMN_2729534
661	Pms1	postmeiotic segregation increased 1 (S. cerevisiae)	ILMN_1250517
662	Tsc1	tuberous sclerosis 1	ILMN_2423383
663	Rbm14	RNA binding motif protein 14	ILMN_2612477
664	Atp11b	ATPase, Class VI, type 11B	ILMN_1257807
665	Gtl3	gene trap locus 3	ILMN_2698259
666	2310010J17Rik	RIKEN cDNA 2310010J17 gene	ILMN_2454339
667	Ncoa6	nuclear receptor coactivator 6	ILMN_1217617
668	Mrpl52	mitochondrial ribosomal protein L52	ILMN_2601865
669	LOC231241		ILMN_1223192
670	1810015A11Rik	RIKEN cDNA 1810015A11 gene	ILMN_1213274
671	Zfp93	zinc finger protein 93	ILMN_2487453
672	4732418C07Rik	RIKEN cDNA 4732418C07 gene	ILMN_2662675
673	Sfxn4	sideroflexin 4	ILMN_1248840
674	Akr1b3	aldo-keto reductase family 1, member B3 (aldose reductase)	ILMN_2591917

675	Bcap31	B-cell receptor-associated protein 31	ILMN_2611501
676	C230078M14Rik	RIKEN cDNA C230078M14Rik gene	ILMN_2650925
677	C6orf192	human chromosome 6 open reading frame 192	ILMN_2738655
678	Ddx21	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	ILMN_2639272
679	Kctd12	potassium channel tetramerisation domain containing 12	ILMN_1237224
680	Appbp1	amyloid beta precursor protein binding protein 1	ILMN_2955362
681	Slc38a2	solute carrier family 38, member 2	ILMN_2955671
682	Plekha3	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 3	ILMN_1243812
683	Dyrk1a	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1a	ILMN_2622345
684	Ywhab	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	ILMN_2490479
685	Angel2	angel homolog 2 (Drosophila)	ILMN_2489405
686	Gng5	guanine nucleotide binding protein (G protein), gamma 5 subunit	ILMN_3163159
687	6330532G10Rik	6330532G10Rik	ILMN_2467843
688	C430048L16Rik	RIKEN cDNA C430048L16 gene	ILMN_2679390
689	H1f0	H1 histone family, member 0	ILMN_1259559
690	LOC381241		ILMN_1213443
691	Tor1a	torsin family 1, member A (torsin A)	ILMN_2764205
692	Mettl9	methyltransferase like 9	ILMN_2782307
693	BC057893	cDNA sequence BC057893	ILMN_2738284
694	Phf20	PHD finger protein 20	ILMN_2664077
695	Arl6ip4	ADP-ribosylation factor-like 6 interacting protein 4	ILMN_3108440
696	Ccne2	cyclin E2	ILMN_1226859
697	Ahcy1	S-adenosylhomocysteine hydrolase-like 1	ILMN_2428506
698	Bcas2	breast carcinoma amplified sequence 2	ILMN_1259127
699	Utp15	UTP15, U3 small nucleolar ribonucleoprotein, homolog (yeast)	ILMN_1232566
700	Zcchc9	zinc finger, CCHC domain containing 9	ILMN_2503329
701	Luc7l2	LUC7-like 2 (S. cerevisiae)	ILMN_2514225
702	C14orf156	SRA stem-loop-interacting RNA-binding protein, mitochondrial	ILMN_1239860
703	Hectd3	HECT domain containing 3	ILMN_1231383
704	Gopc	golgi associated PDZ and coiled-coil motif containing	ILMN_1238680
705	Ube2z	ubiquitin-conjugating enzyme E2Z (putative)	ILMN_2774701
706	Nr2c1	nuclear receptor subfamily 2, group C, member 1	ILMN_2754266
707	Kpnb1	karyopherin (importin) beta 1	ILMN_1230411
708	Thoc7	THO complex 7 homolog (Drosophila)	ILMN_2600729
709	Idi1	isopentenyl-diphosphate delta isomerase (peroxisomal enzyme, cholesterol synthesis)	ILMN_2590923
710	Ccdc25	coiled-coil domain containing 25	ILMN_1253682
711	Med28	mediator of RNA polymerase II transcription, subunit 28 homolog (yeast)	ILMN_2637365
712	LOC244710	similar to Elongation factor 1-alpha 1 (EF-1-alpha-1) (Elongation factor 1 A-1) (eEF1A-1) (Elongation factor Tu) (EF-Tu)	ILMN_1221874
713	Cugbp2	CUG triplet repeat, RNA binding protein 2	ILMN_2594575
714	Arl8b	ADP-ribosylation factor-like 8B	ILMN_2589999

715	1110005A23Rik	RIKEN cDNA 1110005A23 gene	ILMN_2804251
716	Tm9sf2	transmembrane 9 superfamily member 2	ILMN_1257503
717	Ywhae	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	ILMN_1220100
718	Kbtbd8	kelch repeat and BTB (POZ) domain containing 8	ILMN_3009919
719	Med1	mediator complex subunit 1	ILMN_1220563
720	Gad1	glutamate decarboxylase 1 (brain, 67kDa)	ILMN_2621743
721	Tspan15	tetraspanin 15	ILMN_2422360
722	Osbpl11	oxysterol binding protein-like 11	ILMN_1224333
723	Vps24	vacuolar protein sorting 24 (yeast)	ILMN_2510260
724	Adrb1	adrenergic receptor, beta 1	ILMN_2457727
725	Nsun5	NOL1/NOP2/Sun domain family, member 5	ILMN_2604056
726	Tspyl5	testis-specific protein, Y-encoded-like 5	ILMN_1240676
727	Phyhl1	phytanoyl-CoA hydroxylase interacting protein-like	ILMN_2654366
728	EG433224	predicted gene, EG433224	ILMN_3150205
729	Adam9	a disintegrin and metallopeptidase domain 9 (meltrin gamma)	ILMN_2649502
730	Ywhaq	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	ILMN_1230620
731	Zfp451	zinc finger protein 451	ILMN_2508639
732	Trpm3	transient receptor potential cation channel, subfamily M, member 3	ILMN_1247907
733	Set	SET translocation	ILMN_2522571
734	Klhl26	kelch-like 26 (Drosophila)	ILMN_2718208
735	Zc3h14	zinc finger CCCH type containing 14	ILMN_1248577
736	Prps1	phosphoribosyl pyrophosphate synthetase 1	ILMN_1230518
737	Usp1	ubiquitin specific peptidase 1	ILMN_2781170
738	Tex2	testis expressed gene 2	ILMN_1248072
739	Bmyc	brain expressed myelocytomatosis oncogene	ILMN_2776140
740	Txndc12	thioredoxin domain containing 12 (endoplasmic reticulum)	ILMN_1255473
741	Nap1l3	nucleosome assembly protein 1-like 3	ILMN_1217839
742	Chrn2	cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal)	ILMN_2612392
743	Fosb	FBJ osteosarcoma oncogene B	ILMN_2491552
744	Tspyl4	TSPY-like 4	ILMN_1234395
745	Phca	phytoceramidase, alkaline	ILMN_2669782
746	Pcyt1b	phosphate cytidyltransferase 1, choline, beta isoform	ILMN_1232402
747	Trmt6	tRNA methyltransferase 6 homolog (S. cerevisiae)	ILMN_2644845
748	Adc	arginine decarboxylase	ILMN_2608997
749	Ndufb9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9	ILMN_2605004
750	Pter	phosphotriesterase related	ILMN_1227567
751	Thsd7b	thrombospondin, type I, domain containing 7B	ILMN_2709428
752	Slc23a2	solute carrier family 23 (nucleobase transporters), member 2	ILMN_2640927
753	Ddx19a	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19a	ILMN_1233412
754	Fip1l1	FIP1 like 1 (S. cerevisiae)	ILMN_1254883

755	Hrsp12	heat-responsive protein 12	ILMN_1251300
756	Lass4	longevity assurance homolog 4 ( <i>S. cerevisiae</i> )	ILMN_2718499
757	Ncbp2	nuclear cap binding protein subunit 2	ILMN_2788263
758	Pebp1	phosphatidylethanolamine binding protein 1	ILMN_1214488
759	Wdr23	WD repeat domain 23	ILMN_1212975
760	Mrpl13	mitochondrial ribosomal protein L13	ILMN_2982200
761	Ywhab	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	ILMN_2935362
762	Dhcr24	24-dehydrocholesterol reductase	ILMN_2747031
763	1190005P17Rik	RIKEN cDNA 1190005P17 gene	ILMN_2878486
764	Smchd1	SMC hinge domain containing 1	ILMN_2853225
765	Rnf2	ring finger protein 2	ILMN_1223375
766	Bdp1	B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB	ILMN_1247474
767	Zfp364	zinc finger protein 364	ILMN_1237551
768	AB023957	adenomatosis polyposis coli down-regulated 1	ILMN_2726030
769	LOC385662		ILMN_1221548
770	ENSMUSG00000063277	predicted gene, ENSMUSG00000063277	ILMN_2654679
771	Dlgap1	discs, large ( <i>Drosophila</i> ) homolog-associated protein 1	ILMN_2468256
772	A030007L17Rik	RIKEN cDNA A030007L17 gene	ILMN_2766493
773	BC050210	cDNA sequence BC050210 (Ddx3y related sequence)	ILMN_2731940
774	Fcf1	FCF1 small subunit (SSU) processome component homolog ( <i>S. cerevisiae</i> )	ILMN_2906718
775	Ppm1k	protein phosphatase 1K (PP2C domain containing)	ILMN_2454710
776	Pms2	postmeiotic segregation increased 2 ( <i>S. cerevisiae</i> )	ILMN_2707947
777	Nsmce2	non-SMC element 2 homolog (MMS21, <i>S. cerevisiae</i> )	ILMN_2752497
778	Wdr73	WD repeat domain 73	ILMN_1223780
779	Rassf1	Ras association (RalGDS/AF-6) domain family 1	ILMN_2647435
780	Stam	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	ILMN_1248771
781	Tug1	taurine upregulated gene 1	ILMN_3028324
782	Pcdh10	protocadherin 10	ILMN_2663752
783	Ndufs4	NADH dehydrogenase (ubiquinone) Fe-S protein 4	ILMN_2640944
784	Crbn	cereblon	ILMN_1254540
785	Lhfp	lipoma HMGIC fusion partner	ILMN_1220198
786	Sipa1l3	signal-induced proliferation-associated 1 like 3	ILMN_2625099
787	Dazap1	DAZ associated protein 1	ILMN_2860674
788	Otud6b	OTU domain containing 6B	ILMN_1253150
789	Mest	mesoderm specific transcript	ILMN_2846904
790	Vamp7	vesicle-associated membrane protein 7	ILMN_2883961
791	Ythdf3	YTH domain family 3	ILMN_1258789
792	Rnf7	ring finger protein 7	ILMN_2754636
793	BC028663	cDNA sequence BC028663	ILMN_1234577
794	Snap29	synaptosomal-associated protein	ILMN_2730767

795	Aco1	aconitase 1	ILMN_1216382
796	Ndufa12l	Ndufa12-like	ILMN_1222174
797	RabggtA	Rab geranylgeranyl transferase, a subunit	ILMN_1245469
798	Fundc2	FUN14 domain containing 2	ILMN_2715629
799	Slc30a6	solute carrier family 30 (zinc transporter), member 6	ILMN_2669128
800	Abhd13	abhydrolase domain containing 13	ILMN_2425360
801	Ppp3ca	protein phosphatase 3, catalytic subunit, alpha isoform	ILMN_2611431
802	Sart1	squamous cell carcinoma antigen recognized by T-cells 1	ILMN_1254793
803	Dixdc1	DIX domain containing 1	ILMN_2665301
804	Mtrf1l	mitochondrial translational release factor 1-like	ILMN_1226275
805	Tmem32	transmembrane protein 32	ILMN_2910221
806	Hist1h3h	histone cluster 1, H3h	ILMN_3136540
807	Josd3	Josephin domain containing 3	ILMN_3136867
808	Usp10	ubiquitin specific peptidase 10	ILMN_2443129
809	Exosc8	exosome component 8	ILMN_2754369
810	Gucy1a2	guanylate cyclase 1 soluble alpha 2	ILMN_2489147
811	Tcfap2b	transcription factor AP-2 beta	ILMN_2502039
812	Slc8a3	solute carrier family 8 (sodium/calcium exchanger), member 3	ILMN_1232499
813	Prps2	phosphoribosyl pyrophosphate synthetase 2	ILMN_1234614
814	D11Wsu99e	DNA segment, Chr 11, Wayne State University 99, expressed	ILMN_1218959
815	1810008K20Rik		ILMN_2463630
816	Tuba3b	tubulin, alpha 3B	ILMN_2417813
817	1500015A07Rik	RIKEN cDNA 1500015A07 gene	ILMN_2444941
818	Eif2b1	eukaryotic translation initiation factor 2B, subunit 1 (alpha)	ILMN_1215242
819	Peli1	pellino 1	ILMN_2627441
820	Rhob	ras homolog gene family, member B	ILMN_1215212
821	4921513D23Rik	RIKEN cDNA 4921513D23 gene	ILMN_1231799
822	Upf3b	UPF3 regulator of nonsense transcripts homolog B (yeast)	ILMN_2494625
823	Fam120b	constitutive coactivator of peroxisome proliferator-activated receptor gamma (family with sequence similarity 120, member B)	ILMN_2635888
824	Ube2g2	ubiquitin-conjugating enzyme E2G 2	ILMN_2521109
825	Sema3e	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	ILMN_2720976
826	Uhrf1bp1l	RIKEN cDNA E030041M21 gene	ILMN_1258677
827	Rpn2	ribophorin II	ILMN_2949266
828	Parl	presenilin associated, rhomboid-like	ILMN_2884646
829	Larp4	La ribonucleoprotein domain family, member 4	ILMN_1244828
830	Ddx19b	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19b	ILMN_2688135
831	Wwtr1	WW domain containing transcription regulator 1	ILMN_1219016
832	Kti12	KT112 homolog, chromatin associated (S. cerevisiae)	ILMN_2599412
833	2500003M10Rik	RIKEN cDNA 2500003M10 gene	ILMN_2531572
834	Eif3s10	eukaryotic translation initiation factor 3, subunit 10 (theta)	ILMN_2845039

835	Pcolce2	procollagen C-endopeptidase enhancer 2	ILMN_1238603
836	LOC215678		ILMN_1234256
837	Tank	TRAF family member-associated Nf-kappa B activator	ILMN_1220799
838	Pde4d	phosphodiesterase 4D, cAMP specific	ILMN_2527650
839	Birc2	baculoviral IAP repeat-containing 2	ILMN_1226186
840	Usp25	ubiquitin specific peptidase 25	ILMN_1226508
841	Zbed3	zinc finger, BED domain containing 3	ILMN_1214132
842	Tada2l	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	ILMN_2774803
843	Tbrg4	transforming growth factor beta regulated gene 4	ILMN_2670230
844	Cyb5	cytochrome b-5	ILMN_2966632
845	Klhl2	kelch-like 2, Mayven (Drosophila)	ILMN_2686047
846	Atg3	autophagy-related 3 (yeast)	ILMN_2651781
847	1700023B02Rik	RIKEN cDNA 1700023B02 gene	ILMN_2694633
848	Ephb2	Eph receptor B2	ILMN_2688515
849	Tjp1	tight junction protein 1	ILMN_2706587
850	Ctnnd2	catenin (cadherin associated protein), delta 2	ILMN_2634520
851	Marcks1	MARCKS-like 1	ILMN_1250438
852	Gkap1	G kinase anchoring protein 1	ILMN_2890328
853	Lcorl	ligand dependent nuclear receptor corepressor-like	ILMN_2612474
854	Xrcc4	X-ray repair complementing defective repair in Chinese hamster cells 4	ILMN_2494061
855	Mrpl47	mitochondrial ribosomal protein L47	ILMN_1226238
856	Tbc1d8	TBC1 domain family, member 8	ILMN_1255779
857	Peci	peroxisomal delta3, delta2-enoyl-Coenzyme A isomerase	ILMN_2985282
858	Glt8d1	glycosyltransferase 8 domain containing 1	ILMN_2998630
859	Gtf3c6	general transcription factor IIIC, polypeptide 6, alpha	ILMN_2940399
860	Spon1	spondin 1, (f-spondin) extracellular matrix protein	ILMN_2665535
861	Rab5c	RAB5C, member RAS oncogene family	ILMN_1225414
862	Ide	insulin degrading enzyme	ILMN_2467534
863	Stx6	syntaxin 6	ILMN_2704177
864	Robo2	roundabout homolog 2 (Drosophila)	ILMN_1227705
865	Apip	APAF1 interacting protein	ILMN_1234781
866	Pclo	piccolo (presynaptic cytomatrix protein)	ILMN_1226441
867	Cntn4	contactin 4	ILMN_2578199
868	Hnrpd	heterogeneous nuclear ribonucleoprotein D	ILMN_2498368
869	9330185J12Rik		ILMN_1246340
870	2310051E17Rik	RIKEN cDNA 2310051E17 gene	ILMN_2430906
871	Dyrk1a	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1a	ILMN_2501357
872	Dfna5h	deafness, autosomal dominant 5 homolog (human)	ILMN_1243704
873	Papd1	PAP associated domain containing 1	ILMN_2748708
874	Zfp75	zinc finger protein 75	ILMN_2421275

875	Arcn1	archain 1	ILMN_2649846
876	E430025E21Rik	RIKEN cDNA E430025E21 gene	ILMN_1225363
877	Eif4b	eukaryotic translation initiation factor 4B	ILMN_1243394
878	C130033H03Rik		ILMN_2567532
879	Six6os1	Six6 opposite strand transcript 1	ILMN_1248719
880	Pam	peptidylglycine alpha-amidating monooxygenase	ILMN_2626294
881	Rps4x	ribosomal protein S4, X-linked	ILMN_1228717
882	Npc2	Niemann Pick type C2	ILMN_2744380
883	Phyhd1	phytanoyl-CoA dioxygenase domain containing 1	ILMN_2744193
884	Dusp7	dual specificity phosphatase 7	ILMN_2691548
885	Mll3	myeloid/lymphoid or mixed-lineage leukemia 3	ILMN_2598778
886	Crebzf	CREB/ATF bZIP transcription factor	ILMN_1220787
887	Heatr5a	HEAT repeat containing 5A	ILMN_2694279
888	Rgs10	regulator of G-protein signalling 10	ILMN_2699531
889	Bicd2	bicaudal D homolog 2 (dynein-mediated, minus end-directed motility along microtubules)	ILMN_3119245
890	Ift57	intraflagellar transport 57 homolog (Chlamydomonas)	ILMN_2646089
891	0610010F05Rik	RIKEN cDNA 0610010F05 gene	ILMN_2686463
892	D12Ert551e	DNA segment, Chr 12, ERATO Doi 551, expressed	ILMN_2581654
893	A530082C11Rik	RIKEN cDNA A530082C11 gene	ILMN_2691832
894	Etfa	electron transferring flavoprotein, alpha polypeptide	ILMN_2800655
895	Tuba1a	tubulin, alpha 1A	ILMN_2494251
896	Arpc4	actin related protein 2/3 complex, subunit 4	ILMN_1249334
897	Trrap	transformation/transcription domain-associated protein	ILMN_2697174
898	Dstn	destrin	ILMN_2733695
899	LOC270186	similar to H3 histone, family 3B	ILMN_1213808
900	Hist2h2be	histone cluster 2, H2be	ILMN_1231066
901	Cox7a2	cytochrome c oxidase, subunit VIIa 2	ILMN_2733698
902	Ddit3	DNA-damage inducible transcript 3	ILMN_2652909
903	Xpo5	exportin 5	ILMN_1216198
904	U2af2	U2 small nuclear ribonucleoprotein auxiliary factor (U2AF) 2	ILMN_2496310
905	Wdr45l	Wdr45 like	ILMN_2628053
906	Por	P450 (cytochrome) oxidoreductase (endoplasmic reticulum, NADPH-cytochrome P450 reductase)	ILMN_2629266
907	Tpp2	tripeptidyl peptidase II	ILMN_2421119
908	Irak1	interleukin-1 receptor-associated kinase 1	ILMN_2525513
909	Gdap11l	ganglioside-induced differentiation-associated protein 1-like 1	ILMN_2607543
910	Nab1	Ngfi-A binding protein 1	ILMN_2950594
911	Ruvbl1	RuvB-like protein 1	ILMN_2666487
912	Tor2a	torsin family 2, member A	ILMN_2519488
913	Ankrd46	ankyrin repeat domain 46	ILMN_1222794
914	B930095G15Rik	RIKEN cDNA B930095G15 gene	ILMN_2446880

915	Clpx	caseinolytic peptidase X (E.coli)	ILMN_1239106
916	Tox3	TOX high mobility group box family member 3	ILMN_2434900
917	Btbd10	BTB (POZ) domain containing 10	ILMN_1236572
918	Ntrk2	neurotrophic tyrosine kinase, receptor, type 2	ILMN_2705460
919	Arfgef2	ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited)	ILMN_2474111
920	Ndufs4	NADH dehydrogenase (ubiquinone) Fe-S protein 4	ILMN_2900025
921	Tppp	tubulin polymerization promoting protein	ILMN_2950422
922	2010003O02Rik	RIKEN cDNA 2010003O02 gene	ILMN_2523427
923	Mef2a	myocyte enhancer factor 2A	ILMN_1221253
924	Nsmce1	non-SMC element 1 homolog (S. cerevisiae)	ILMN_2606130
925	Prpf38a	PRP38 pre-mRNA processing factor 38 (yeast) domain containing A	ILMN_2599164
926	Pcdhb9	protocadherin beta 9	ILMN_2711955
927	Mier1	mesoderm induction early response 1 homolog (Xenopus laevis)	ILMN_2751332
928	Lta4h	leukotriene A4 hydrolase	ILMN_2739486
929	6430550H21Rik	RIKEN cDNA 6430550H21 gene	ILMN_2771951
930	Efnb2	ephrin B2	ILMN_2716212
931	Pcdhb6	protocadherin beta 6	ILMN_2497410
932	Tcof1	Treacher Collins Franceschetti syndrome 1, homolog	ILMN_2522965
933	Rapgef1	Rap guanine nucleotide exchange factor (GEF) 1	ILMN_1226718
934	Adamts1	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1	ILMN_1230129
935	Mrps18c	mitochondrial ribosomal protein S18C	ILMN_2747345
936	Hcfc1	host cell factor C1	ILMN_2723881
937	1200003I07Rik	RIKEN cDNA 1200003I07 gene	ILMN_2755544
938	Hspd1	heat shock protein 1 (chaperonin)	ILMN_2713841
939	Dhrs7	dehydrogenase/reductase (SDR family) member 7	ILMN_2939702
940	Vps29	vacuolar protein sorting 29 (S. pombe)	ILMN_2495644
941	Nsun5	NOL1/NOP2/Sun domain family, member 5	ILMN_2796028
942	Tbc1d23	TBC1 domain family, member 23	ILMN_2879876
943	Gorasp2	golgi reassembly stacking protein 2	ILMN_2716464
944	Sec22c	SEC22 vesicle trafficking protein-like C (S. cerevisiae)	ILMN_2501016
945	LOC236262		ILMN_2525496
946	Sltm	SAFB-like, transcription modulator	ILMN_1252121
947	Yif1b	Yip1 interacting factor homolog B (S. cerevisiae)	ILMN_2607609
948	Kif1b	kinesin family member 1B	ILMN_1239729
949	Cp	ceruloplasmin	ILMN_2994287
950	1110029E03Rik	RIKEN cDNA 1110029E03 gene	ILMN_2447658
951	Zfr	zinc finger RNA binding protein	ILMN_2867927
952	Tet2	methylcytosine dioxygenase TET2 (tet oncogene family member 2)	ILMN_2461898
953	Amph	amphiphysin (synaptic vesicle, stiff-man syndrome with breast cancer 128kD autoantigen, actin assembly)	ILMN_1245012
954	Kcnip1	Kv channel-interacting protein 1	ILMN_2968369

955	Pa2g4	proliferation-associated 2G4	ILMN_1248733
956	Zfml	zinc finger, matrin-like	ILMN_2428397
957	Asxl1	additional sex combs like 1 (Drosophila)	ILMN_1215405
958	Sparcl1	SPARC-like 1 (mast9, hevin)	ILMN_1237917
959	Runx1t1	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	ILMN_2662450
960	Epm2aip1	EPM2A (laforin) interacting protein 1	ILMN_2895177
961	Uqcrb	ubiquinol-cytochrome c reductase binding protein	ILMN_2497616
962	Taf6	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor	ILMN_1241137
963	mt-Nd4l	NADH dehydrogenase 4L, mitochondrial	ILMN_2419660
964	BC012278	cDNA sequence BC012278	ILMN_2798213
965	LOC380626		ILMN_2533300
966	Tgfb1	transforming growth factor, beta receptor I	ILMN_2980532
967	Gba2	glucosidase beta 2	ILMN_1256905
968	Saps3	SAPS domain family, member 3	ILMN_1235583
969	Limk2	LIM motif-containing protein kinase 2	ILMN_2728634
970	Taf3	TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor	ILMN_2594443
971	LOC269374		ILMN_1256983
972	Gca	granalcin	ILMN_1239940
973	2310022M17Rik	RIKEN cDNA 2310022M17 gene	ILMN_1254565
974	Fbxo38	F-box protein 38	ILMN_2955755
975	Foxj3	forkhead box J3	ILMN_2650040
976	LOC331511		ILMN_2529943
977	Efr3a	EFR3 homolog A (hearing loss associated)	ILMN_2678400
978	Ick	intestinal cell kinase	ILMN_2499470
979	Arl6ip2	ADP-ribosylation factor-like 6 interacting protein 2	ILMN_1233905
980	Zfx4	zinc finger homeodomain 4	ILMN_2520592
981	Hspa4	heat shock protein 4	ILMN_2716838
982	Rps6	ribosomal protein S6, 40S (phosphoprotein NP33)	ILMN_1249235
983	1700034K16Rik	RIKEN cDNA 1700034K16 gene	ILMN_2536553
984	6330577E15Rik	RIKEN cDNA 6330577E15 gene	ILMN_2671366
985	Slc35f1	solute carrier family 35, member F1	ILMN_2747211
986	Amotl1	angiomin-like 1	ILMN_2626401
987	Cul1	cullin 1	ILMN_1226323
988	LOC333137		ILMN_1223720
989	1110057K04Rik	RIKEN cDNA 1110057K04 gene	ILMN_2756686
990	Tmem50b	transmembrane protein 50B	ILMN_2619110
991	BC023829	cDNA sequence BC023829	ILMN_2612616
992	Nsun3	NOL1/NOP2/Sun domain family 3	ILMN_2604965
993	Cblb	Casitas B-lineage lymphoma b	ILMN_2702039
994	A830019P07Rik	RIKEN cDNA A830019P07 gene	ILMN_1259824

995	Chrna4	cholinergic receptor, nicotinic, alpha polypeptide 4	ILMN_1245582
996	AU014645	expressed sequence AU014645	ILMN_3162184
997	Fbxw4	F-box and WD-40 domain protein 4	ILMN_2657986
998	9330159F19Rik	RIKEN cDNA 9330159F19 gene	ILMN_1246468
999	Impa1	inositol (myo)-1(or 4)-monophosphatase 1	ILMN_2718157
1000	Ifrd1	interferon-related developmental regulator 1	ILMN_1214353
1001	Rbbp6	retinoblastoma binding protein 6	ILMN_2638336
1002	Dynl1	dynein light chain LC8-type 1	ILMN_2776419
1003	Gem	GTP binding protein (gene overexpressed in skeletal muscle)	ILMN_2667181
1004	Eif4a3	eukaryotic translation initiation factor 4A, isoform 3	ILMN_2588254
1005	Ift20	intraflagellar transport 20 homolog (Chlamydomonas)	ILMN_2671767
1006	Ern1	endoplasmic reticulum (ER) to nucleus signalling 1	ILMN_2502860
1007	Atp5e	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, epsilon subunit	ILMN_2604794
1008	BC062109	cDNA sequence BC062109	ILMN_2766971
1009	Dhx15	DEAH (Asp-Glu-Ala-His) box polypeptide 15	ILMN_1218571
1010	Ddx28	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	ILMN_1259277
1011	Brcc3	BRCA1/BRCA2-containing complex, subunit 3	ILMN_1222806
1012	Pom121	nuclear pore membrane protein 121	ILMN_1232596
1013	Nup88	nucleoporin 88	ILMN_2742498
1014	Taf1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor	ILMN_1223188
1015	Aptx	aprataxin	ILMN_2619307
1016	Pkd1	polycystic kidney disease 1 homolog	ILMN_2656924
1017	Chp	calcium binding protein P22	ILMN_2677056
1018	Snx3	sorting nexin 3	ILMN_1241268
1019	A830039N20Rik	RIKEN cDNA A830039N20 gene	ILMN_2746641
1020	Hist1h3b	histone cluster 1, H3b	ILMN_2934120
1021	D930015E06Rik	RIKEN cDNA D930015E06 gene	ILMN_2588337
1022	Rassf4	Ras association (RalGDS/AF-6) domain family 4	ILMN_2956095
1023	2610002M06Rik	RIKEN cDNA 2610002M06 gene	ILMN_2630362
1024	Brcc3	BRCA1/BRCA2-containing complex, subunit 3	ILMN_2636303
1025	M6pr	mannose-6-phosphate receptor, cation dependent	ILMN_1238376
1026	Hace1	HECT domain and ankyrin repeat containing, E3 ubiquitin protein ligase 1	ILMN_1214487
1027	LOC236864		ILMN_1219742
1028	Pldn	pallidin	ILMN_1243525
1029	Gbas	glioblastoma amplified sequence	ILMN_2703585
1030	Dio2	deiodinase, iodothyronine, type II	ILMN_2771979
1031	Fyco1	FYVE and coiled-coil domain containing 1	ILMN_2750912
1032	5830457O10Rik	RIKEN cDNA 5830457O10 gene	ILMN_2708794
1033	LOC328703		ILMN_1217826
1034	Traf5	Tnf receptor-associated factor 5	ILMN_2440604

1035	Ube2q1	ubiquitin-conjugating enzyme E2Q (putative) 1	ILMN_1259048
1036	Tacr3	tachykinin receptor 3	ILMN_2860586
1037	Gsbs	G substrate	ILMN_1253073
1038	Coq2	coenzyme Q2 homolog, prenyltransferase (yeast)	ILMN_3009260
1039	Atr	ataxia telangiectasia and Rad3 related	ILMN_1242893
1040	Skil	SKI-like	ILMN_2443990
1041	Xrn2	5'-3' exoribonuclease 2	ILMN_1241030
1042	Hs6st2	heparan sulfate 6-O-sulfotransferase 2	ILMN_2507473
1043	Trp53inp1	transformation related protein 53 inducible nuclear protein 1	ILMN_2971479
1044	Aylt2	acyltransferase like 2	ILMN_2995575
1045	Jmjd1c	jumonji domain containing 1C	ILMN_1258815
1046	Ccdc5	coiled-coil domain containing 5	ILMN_1250852
1047	Tufm	Tu translation elongation factor, mitochondrial	ILMN_2462448
1048	Mtmr12	myotubularin related protein 12	ILMN_2755215
1049	Mertk	c-met proto-oncogene tyrosine kinase -verified: bad probe (low expression levels)	ILMN_2491355
1050	Cox4nb	COX4 neighbor	ILMN_2644606
1051	Sept15	selenoprotein	ILMN_2761487
1052	B930041F14Rik	RIKEN cDNA B930041F14 gene	ILMN_1250201
1053	Rabggtb	RAB geranylgeranyl transferase, b subunit	ILMN_2589819
1054	Kiaa0368	proteasome-associated protein ECM29 homolog	ILMN_1249363
1055	Mboat5	membrane bound O-acyltransferase domain containing 5	ILMN_1237328
1056	Phka1	phosphorylase kinase alpha 1	ILMN_2712685
1057	Adam10	a disintegrin and metallopeptidase domain 10	ILMN_2460257
1058	Sorbs1	sorbin and SH3 domain containing 1	ILMN_1252470
1059	Epha5	Eph receptor A5	ILMN_1237026
1060	Rbm17	RNA binding motif protein 17	ILMN_1230060
1061	Dcp1a	DCP1 decapping enzyme homolog A (S. cerevisiae)	ILMN_2783438
1062	Rgma	RGM domain family, member A	ILMN_1214500
1063	Gabbr1	gamma-aminobutyric acid (GABA-C) receptor, subunit rho 1	ILMN_2854708
1064	Rpl27a	ribosomal protein L27a	ILMN_2536024
1065	Yme111	YME1-like 1 (S. cerevisiae)	ILMN_1251206
1066	Zfp687	zinc finger protein 687	ILMN_1217403
1067	Foxg1	forkhead box G1	ILMN_2599125
1068	Setd3	SET domain containing 3	ILMN_2764335
1069	LOC381825		ILMN_1250687
1070	Iars	isoleucine-tRNA synthetase	ILMN_2810047
1071	Pdf	peptide deformylase (mitochondrial)	ILMN_1233665
1072	Atrip	ATR interacting protein	ILMN_1225014
1073	Rmnd1	required for meiotic nuclear division 1 homolog (S. cerevisiae)	ILMN_2955535
1074	Ccrk	cell cycle related kinase	ILMN_1238571

1075	D430015B01Rik	RIKEN cDNA D430015B01 gene	ILMN_1224427
1076	Tcfcp2	transcription factor CP2	ILMN_2769178
1077	Parc	p53-associated parkin-like cytoplasmic protein	ILMN_2656614
1078	Hip2	huntingtin interacting protein 2	ILMN_2655066
1079	Tmem77	transmembrane protein 77	ILMN_1224589
1080	Luc7l2	LUC7-like 2 ( <i>S. cerevisiae</i> )	ILMN_2963634
1081	Osbpl8	oxysterol binding protein-like 8	ILMN_3132666
1082	LOC383227		ILMN_1234315
1083	Polr3a	polymerase (RNA) III (DNA directed) polypeptide A	ILMN_1255378
1084	Gtpbp2	GTP binding protein 2	ILMN_2600113
1085	LOC268597		ILMN_1243140
1086	Slitrk4	SLIT and NTRK-like family, member 4 (neuronal transmembrane protein)	ILMN_2715848
1087	Smap1	stromal membrane-associated protein 1	ILMN_2596534
1088	Ppp1r2	protein phosphatase 1, regulatory (inhibitor) subunit 2	ILMN_1219258
1089	Mbd1	methyl-CpG binding domain protein 1	ILMN_2749511
1090	Tmed2	transmembrane emp24 domain trafficking protein 2	ILMN_1231873
1091	2010003O18Rik	RIKEN cDNA 2010003O18 gene	ILMN_2734941
1092	Swap70	SWAP complex protein	ILMN_2765524
1093	Rfwd3	ring finger and WD repeat domain 3	ILMN_1242577
1094	Rap2c	RAP2C, member of RAS oncogene family	ILMN_3135473
1095	Birc4	baculoviral IAP repeat-containing 4	ILMN_1221270
1096	Tsta3	tissue specific transplantation antigen P35B	ILMN_1221145
1097	Rpl17	ribosomal protein L17	ILMN_1213781
1098	A830080D01Rik	RIKEN cDNA A830080D01 gene	ILMN_2588597
1099	Jtv1	JTV1 gene	ILMN_1244330
1100	2900056M20Rik	RIKEN cDNA 2900056M20 gene	ILMN_2480382
1101	Sip1	survivor of motor neuron protein interacting protein 1	ILMN_1255390
1102	Malt1	mucosa associated lymphoid tissue lymphoma translocation gene 1	ILMN_1216818
1103	Asnsd1	asparagine synthetase domain containing 1	ILMN_1229211
1104	Htf9c	Hpal1 tiny fragments locus 9c	ILMN_2682887
1105	Id2	inhibitor of DNA binding 2	ILMN_2887239
1106	LOC235857		ILMN_2534823
1107	Rps13	ribosomal protein S13	ILMN_1222723
1108	Mpi	mannose phosphate isomerase	ILMN_2724022
1109	Med1	mediator complex subunit 1	ILMN_1220563

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