

**Supplementary table 2. Topological analysis of the PPI network of the DEGs**

NO.	gene	Degree	Betweenness	Closeness
1	Mki67	161	101667.28	0.0516983
2	Il6	157	144074.5	0.0518667
3	Cdk1	144	19579.043	0.05114142
4	Ccna2	143	11416.391	0.050972667
5	Aurka	143	14987.752	0.05080752
6	Bub1	142	5027.2803	0.05032578
7	Kif11	141	9355.763	0.05058651
8	Ccnb1	140	12291.514	0.05098271
9	Plk1	140	6860.3945	0.050603822
10	Cdc20	138	2165.8574	0.050330676
11	Bub1b	137	894.3649	0.050274447
12	Exo1	136	6399.682	0.050347812
13	Kif20a	136	2440.4917	0.050333124
14	Cdca8	136	3740.5037	0.050330676
15	Aurkb	135	3618.3076	0.05063601
16	Kif4	135	2745.62	0.050364964
17	Kif2c	135	1525.0878	0.050306212
18	Top2a	134	5215.5356	0.050480418
19	Nuf2	133	1087.9779	0.050296433
20	Ttk	133	601.5841	0.05028177
21	Kif23	131	2204.01	0.050291546
22	Ccnb2	130	3166.4773	0.05036006
23	Birc5	130	3531.607	0.05032823
24	Cdca5	130	954.05707	0.050276887
25	Ndc80	130	1485.4036	0.050272003
26	Cenpe	129	696.68756	0.0502476
27	Pbk	128	405.0537	0.050274447
28	Mad211	127	14102.92	0.05050505
29	Cdc45	127	4647.6494	0.05044843
30	Ska1	127	2183.2766	0.050298877
31	Sgo1	127	652.27344	0.050257355
32	Nusap1	126	708.5632	0.050320886
33	Aspm	126	3502.5234	0.050308656
34	Melk	126	366.96588	0.0502598
35	Dlgap5	126	359.26324	0.050220776
36	Ncapg	125	1170.166	0.05020129
37	Cenpf	123	8678.793	0.05039439
38	Esp11	123	2277.5474	0.050276887
39	Cep55	123	225.52469	0.050208595
40	Pre1	121	2629.9512	0.050347812
41	Ube2c	121	1080.3743	0.05026468
42	Spag5	121	269.88275	0.05020129

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43	Fnl	120	85160.05	0.051644128
44	Kntc1	120	420.14447	0.050198857
45	Shcbp1	118	386.5414	0.05020129
46	Racgap1	118	1543.65	0.05019642
47	Cdca2	118	363.38596	0.0501575
48	Rrm2	117	7696.568	0.050355162
49	Trip13	117	305.58566	0.05022809
50	Cenpa	116	4730.28	0.050566737
51	Kif20b	116	1516.7771	0.050213467
52	Kif15	116	421.1829	0.050169654
53	Cdc6	115	934.23956	0.050320886
54	Kif18b	115	1092.8243	0.05018912
55	Cenpi	114	9162.007	0.05039194
56	Cdca3	114	264.95776	0.050130777
57	Rad51ap1	113	4392.184	0.050347812
58	Foxm1	113	1301.2462	0.05032823
59	Ect2	113	1848.6475	0.050186686
60	Rad51	112	618.5184	0.050198857
61	Ckap2	112	2507.7986	0.05013806
62	Cenpn	112	235.51968	0.049862698
63	Kif22	110	455.47247	0.05012592
64	Tacc3	108	1670.4862	0.05018912
65	Cdc25c	108	214.19241	0.05014535
66	Hmmr	107	3203.4448	0.05035271
67	Mcm10	106	1321.2487	0.050289102
68	Ncapg2	106	334.3133	0.050169654
69	Cenph	106	360.09094	0.05015993
70	Zwilch	106	146.40514	0.05011621
71	Brcal	105	21754.24	0.051035505
72	Ska3	105	264.45865	0.05008226
73	Cenpk	104	2214.3945	0.050133206
74	Ckap2l	104	2240.1143	0.050121065
75	Spc25	104	524.9196	0.050101656
76	Hells	102	257.64166	0.050172087
77	Clspn	102	464.93414	0.05014778
78	Uhrf1	102	2822.5454	0.050142918
79	Mcm5	101	659.1922	0.05026468
80	Asf1b	101	669.80133	0.050133206
81	Ncapd2	101	136.98865	0.05009438
82	Parpbp	101	355.13766	0.04977158
83	Anln	98	3552.84	0.050350264
84	Incenp	97	198.99156	0.05006046
85	Rad54l	97	408.59317	0.04984829
86	Esco2	96	138.38159	0.050084684

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87	Dtl	95	225.97897	0.05014049
88	Arhgap11a	95	200.83276	0.0500653
89	Depdc1a	94	145.9116	0.05008226
90	Knstrn	94	102.21179	0.050029002
91	Ercc6l	94	6835.7495	0.050004832
92	Gins2	94	195.72632	0.04975244
93	Neil3	92	403.40414	0.05011621
94	Cdkn3	92	480.18652	0.049997583
95	Cenpm	90	58.98413	0.050029002
96	Kifc1	87	253.03004	0.050026584
97	Tpx2	87	91.2262	0.049997583
98	Oip5	87	34.64555	0.049668875
99	Pclaf	86	1010.34485	0.050067723
100	Kif14	86	300.8536	0.050058037
101	Fanci	85	719.8767	0.050038677
102	Ccl2	84	11545.74	0.050965138
103	Troap	84	5286.422	0.050333124
104	E2f8	84	3266.004	0.050286658
105	Tyms	84	4345.9116	0.050130777
106	Colla1	83	26581.945	0.051113635
107	Tk1	83	2387.5315	0.050091956
108	Cks2	83	70.24937	0.05001208
109	Orc1	83	735.4644	0.049730923
110	Cenpw	83	232.42152	0.04964743
111	Pimreg	81	1432.9388	0.049966205
112	Spc24	79	70.751175	0.049652196
113	Figl1	78	60.816776	0.04969272
114	Mis18bp1	77	33.3436	0.049738094
115	Mastl	75	33.432587	0.049573716
116	Depdc1b	74	2542.151	0.050152637
117	Igfl	73	26599.025	0.05130366
118	Gtse1	73	3728.5225	0.0501575
119	Pole	73	850.08014	0.05007499
120	Timp1	72	15699.181	0.050884955
121	Cxcl10	71	5536.476	0.050705466
122	Ccnf	71	46.801556	0.04996138
123	Stil	71	3123.9685	0.049932458
124	Cd68	70	13388.088	0.050962627
125	Kn11	68	54.871914	0.04950732
126	Apoe	67	24132.705	0.05085995
127	Adgre1	67	9675.152	0.050852455
128	Spdl1	67	3961.711	0.049877115
129	Sgo2a	67	12.886142	0.04958084
130	Cenpp	67	9.220649	0.049552355

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131	Col3a1	65	13449.681	0.05090748
132	Tlr2	65	9897.331	0.0507801
133	Ticrr	65	1423.1348	0.04996138
134	Lep	64	20301.654	0.050678156
135	Prr11	64	147.3876	0.04987231
136	Ube2t	63	241.54318	0.049695108
137	Bora	63	11.099143	0.04943638
138	Colla2	62	8721.311	0.050797544
139	Cxcl1	62	7327.662	0.050688084
140	Fcgr3	61	8576.968	0.050608773
141	Ttn	61	15785.718	0.050470572
142	Brip1	60	1548.5693	0.049549982
143	Mb	56	20512.098	0.05047303
144	Lrr1	56	8428.398	0.049817096
145	Fam83d	56	10.352852	0.049391553
146	Ccne1	55	8297.528	0.05064344
147	Actc1	54	16262.577	0.050561797
148	Tcap	54	7459.928	0.05006046
149	Actn2	54	5089.9185	0.04979313
150	Myh6	53	10056.701	0.05024272
151	Myl3	53	2615.8506	0.049728535
152	Ckmt2	52	5754.781	0.049795527
153	Csrp3	51	4576.255	0.04996862
154	Myoz2	51	2193.743	0.049745265
155	Adipoq	50	19450.56	0.050613724
156	Iqgap3	50	1344.8472	0.05007499
157	Chtf18	50	38.370087	0.049514424
158	Cks1b	50	11.524426	0.049462367
159	Aif1	49	14669.088	0.05072535
160	Eln	49	8721.889	0.050705466
161	Mmp13	49	5995.317	0.050680637
162	Tnnt2	49	11237.011	0.05054945
163	Lum	49	9183.736	0.05033557
164	Fcgr1	49	2786.868	0.05021103
165	Fbn1	49	4005.4172	0.05008226
166	Ccr5	48	1623.3716	0.05043368
167	Csf3	47	11951.709	0.050470572
168	Ccne2	47	1487.0514	0.050009664
169	Cip2a	47	7.011918	0.04978834
170	Casq2	47	3964.341	0.049640287
171	Tnni3	46	14523.068	0.050631054
172	Arg1	46	7668.827	0.05054945
173	Foxp3	45	3271.5625	0.05058651
174	Fcgr2b	45	1283.4568	0.05045089

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175	Col5a1	45	3350.933	0.04997827
176	Gas2l3	45	15.895663	0.049208388
177	Cd80	44	3798.6685	0.05045089
178	Cx3cr1	44	1712.7384	0.05041403
179	Col5a2	44	1233.6812	0.04988192
180	Ckm	44	2266.067	0.049721368
181	Nppa	43	18469.91	0.050529707
182	Cav3	42	10766.476	0.049893945
183	Trdn	42	2684.1787	0.04964743
184	Gen1	42	61.025265	0.04944819
185	Pdcd1	41	6120.773	0.050428767
186	Tnnc1	41	5559.84	0.05031844
187	Pif1	41	106.529274	0.049415134
188	Psrc1	41	1110.5499	0.049339753
189	Myom2	40	4465.17	0.0501575
190	C1qa	40	2381.794	0.049903568
191	Hrc	40	6695.7876	0.04968318
192	Ryr2	40	7357.1606	0.049642667
193	Myl1	40	914.67566	0.049538124
194	Dnali1	40	13056.268	0.049008
195	Obscn	39	5142.195	0.04966649
196	Hmox1	38	8254.404	0.05041403
197	Lcn2	37	5292.9956	0.05024272
198	C3ar1	37	2913.156	0.049949326
199	Cxcl2	37	275.24155	0.049939685
200	Haspin	37	0.3066943	0.049309194
201	Cfap43	37	4602.686	0.048975535
202	Cxcl13	36	1428.0392	0.05022809
203	Thbs2	36	3506.5479	0.050101656
204	Msr1	36	2616.2507	0.04995656
205	Fcer1g	36	5092.789	0.049795527
206	Scn5a	36	9957.031	0.04961887
207	Ldb3	36	827.4212	0.04948838
208	Lrguk	35	31945.791	0.050106507
209	Itgb1bp2	35	1216.2965	0.04952627
210	Lmod2	35	2552.3762	0.04947182
211	Eme1	35	83.9941	0.049325645
212	Clu	34	6562.4414	0.050250035
213	Nos2	34	1884.0454	0.050179385
214	Sparc	34	2223.9092	0.05007257
215	Ccdc39	34	19874.41	0.04992764
216	Trim54	34	2322.306	0.049512055
217	Dnah1	34	1395.3427	0.048721932
218	Ntrk2	33	23662.418	0.050289102

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219	Dnah5	33	18825.629	0.050029002
220	C1qc	33	1324.3347	0.049723756
221	Smpx	33	197.45474	0.049497847
222	Tnni1	33	866.52844	0.049493115
223	Bard1	33	2936.6643	0.049412776
224	Srl	33	1051.1355	0.049372703
225	Mdk	32	4672.4004	0.050645918
226	Slc2a4	32	10340.17	0.050487805
227	Il2ra	32	646.13306	0.050179385
228	Pgam2	32	9237.965	0.049721368
229	Mypn	32	1312.5127	0.04949548
230	Atp2a1	32	2921.1936	0.04946
231	Myl4	32	1510.2985	0.0492998
232	Tubb3	31	40212.633	0.05102544
233	Serpinb1c	31	3520.0251	0.050561797
234	Serpinb9b	31	3520.0251	0.050561797
235	Sost	31	6403.0645	0.050055616
236	Xirp1	31	5734.603	0.04950495
237	Drc1	31	7215.067	0.0494411
238	Sln	31	1947.4889	0.049434017
239	Pln	31	2281.3577	0.04940098
240	Dnah6	31	1744.1396	0.048984807
241	Spef2	31	1219.5763	0.048721932
242	Ahsg	30	6607.581	0.050181817
243	Vcan	30	4457.957	0.049819496
244	Ccl6	30	414.4746	0.049668875
245	Txlnb	30	5595.6274	0.049342107
246	Mybpc3	30	225.5929	0.049337402
247	Myl7	30	1390.0392	0.049330346
248	Cd276	29	2530.6594	0.050409116
249	Ctsk	29	4330.321	0.050340466
250	Gria1	29	17422.748	0.049795527
251	Ccl9	29	315.00168	0.049738094
252	Cox6a2	29	3401.2349	0.049733315
253	C1qb	29	420.33173	0.049514424
254	Dnaic2	29	9627.803	0.049382128
255	Mybpc2	29	429.4444	0.049377415
256	Armc4	29	3578.577	0.049194355
257	Dnah12	29	6545.346	0.04874947
258	Ar	28	6989.677	0.050519843
259	Foxj1	28	28038.215	0.050237842
260	Ogn	28	1949.4523	0.049845885
261	Slc11a1	28	2899.4512	0.04982669
262	Ccl12	28	201.52986	0.049800318

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263	Diaph3	28	1107.9861	0.049486015
264	Dnaaf1	28	1491.9396	0.04888763
265	Dnah10	28	2298.3013	0.048628077
266	Dnah2	28	879.03625	0.048414256
267	Itga2b	27	6565.208	0.05019642
268	Fmod	27	1410.7465	0.04992764
269	Trim63	27	6733.6772	0.049759615
270	Cfap74	27	2033.7118	0.04847548
271	Tnfrsf9	26	1307.2455	0.05013563
272	Plau	26	7384.086	0.050079837
273	Fcgr4	26	162.30206	0.04990116
274	Col12a1	26	606.4206	0.049573716
275	Ak7	26	9674.693	0.04952864
276	Rsph4a	26	6029.891	0.049493115
277	Mfap5	26	418.6298	0.049398627
278	Cfap44	26	10257.78	0.04904516
279	Retn	25	1619.625	0.05015507
280	Fabp4	25	3447.2175	0.05012835
281	Spag17	25	16999.682	0.049889136
282	Il1rn	25	163.78043	0.04984829
283	Ccr8	25	80.57228	0.049676027
284	Nsl1	25	6168.9395	0.049309194
285	Nkx2-5	25	1871.8352	0.049278673
286	Hydin	25	3252.3474	0.04922711
287	Cfap161	25	12627.434	0.04854141
288	Serpine2	24	26924.643	0.050507516
289	Fbn2	24	6818.118	0.050477955
290	Fam20c	24	10550.424	0.05018912
291	Saa3	24	855.535	0.04982909
292	Slc17a7	24	5559.8325	0.049626008
293	Pon1	23	14699.858	0.05020129
294	Muc5b	23	24395.588	0.050048355
295	Fbln2	23	1876.3601	0.049802713
296	Clec4n	23	1364.7139	0.04969272
297	Ccl7	23	82.04503	0.049676027
298	Col15a1	23	192.54518	0.049635526
299	Plk5	23	596.241	0.04960698
300	Col8a1	23	215.43597	0.049587965
301	Dhrs7c	23	8160.7188	0.04946
302	Col16a1	23	502.5727	0.04928102
303	Aunip	23	7.8893	0.049248192
304	Xirp2	23	219.45895	0.04891998
305	Fgf23	22	7172.9375	0.050186686
306	Cd200r1	22	5699.9116	0.049723756

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307	Col17a1	22	4860.9053	0.04966649
308	Fcna	22	1644.0542	0.0495239
309	Fkbp10	22	3402.773	0.04946
310	Syt1	22	4546.2856	0.049431656
311	Ms4a6d	22	181.48236	0.04922945
312	Rbfox3	21	6902.141	0.05050998
313	Tnfrsf4	21	1137.6833	0.050045937
314	Cfb	21	728.6481	0.04999517
315	Osm	21	383.07663	0.04987231
316	Cfp	21	1078.9995	0.049860295
317	Col5a3	21	194.43758	0.04959034
318	Kcnj3	21	4429.142	0.049217746
319	Kif27	21	3284.341	0.04907539
320	Dnah9	21	303.31268	0.04868755
321	Maats1	21	4591.006	0.04835093
322	Cfap65	21	5121.236	0.04833738
323	Esr2	20	7603.4565	0.05075271
324	Mycn	20	2803.4714	0.05026468
325	Slc1a2	20	11501.699	0.050213467
326	Cfd	20	1424.9843	0.049951736
327	Mmp14	20	337.36307	0.049937278
328	Adamts4	20	1017.34546	0.049867503
329	P4ha3	20	6034.9463	0.049814697
330	Cyp1a1	20	6968.1157	0.04971659
331	Syn2	20	8678.879	0.049583215
332	Ccl8	20	172.253	0.04955947
333	Adamts2	20	116.55917	0.049264602
334	Rbm20	20	25.506607	0.049185
335	Cidec	20	5355.6914	0.049170982
336	Cyp2f2	20	6197.3022	0.049140632
337	Smyd1	20	364.21356	0.04909867
338	Kcna2	20	4288.4766	0.048924603
339	Ccdc146	20	1246.3788	0.048441447
340	Ttc21a	20	364.07544	0.047841363
341	Pck1	19	12762.487	0.05030377
342	Lif	19	1612.9138	0.05018912
343	Calb2	19	14366.04	0.050133206
344	Tubb1	19	8578.108	0.050055616
345	Mgp	19	1175.6803	0.049807508
346	Retnla	19	194.8025	0.049764402
347	Cd248	19	1601.3491	0.049621247
348	Ltbp2	19	422.11267	0.04945055
349	Col7a1	19	2402.6716	0.049417496
350	Cidea	19	872.872	0.04936093

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351	Cox8b	19	2313.766	0.049356222
352	Kcna1	19	3662.6963	0.049168646
353	Art1	19	157.04236	0.04905446
354	Xrcc3	19	11.49825	0.04903354
355	Kifc2	19	2.5112154	0.04846867
356	Ppbp	18	1390.0374	0.05017452
357	Igfbp3	18	737.09827	0.05015507
358	Tigit	18	884.0517	0.050096806
359	Itgb6	18	3352.1584	0.04982429
360	Cxcl3	18	18.58584	0.04960698
361	Alpk3	18	59.032295	0.048966266
362	Cfap47	18	225.70705	0.048466403
363	Cbs	17	13475.615	0.05022809
364	Fst	17	2782.092	0.04992764
365	Il11	17	152.1064	0.049841087
366	Col24a1	17	35.125854	0.049080044
367	P3h1	17	28.079355	0.04907772
368	Myo18b	17	661.20654	0.049017288
369	Adprh1	17	2817.2715	0.048996404
370	Cfap54	17	944.04254	0.04864636
371	Cfap58	17	353.1566	0.0481015
372	Ccdc81	17	1069.1906	0.048094794
373	Aldh1a1	16	15586.965	0.050347812
374	Ank1	16	12864.0625	0.05012835
375	Batf3	16	1887.5577	0.04996138
376	Tgfb1	16	1846.9889	0.04959034
377	Eno4	16	15904.846	0.049540494
378	Fabp3	16	2925.884	0.04945055
379	Sfrp2	16	3256.457	0.049325645
380	Tbx20	16	1771.5911	0.049266946
381	Zmynd10	16	787.34784	0.048719637
382	Cfap221	16	3844.739	0.048466403
383	Dnah3	16	56.772736	0.048204556
384	Wdr66	16	28.889523	0.047704645
385	Nog	15	3526.84	0.050286658
386	Eef1a2	15	2879.0593	0.05024028
387	Eno1b	15	10862.165	0.050232965
388	Fstl1	15	298.118	0.049869906
389	Lilrb4a	15	105.788445	0.049836285
390	Nrxn2	15	3992.8699	0.04971898
391	Adrb3	15	388.3233	0.04970704
392	Orm1	15	5283.0874	0.049664106
393	Pirb	15	1103.7675	0.049640287
394	Ppp2r2b	15	13135.662	0.049583215

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395	Il23a	15	164.27802	0.049538124
396	Loxl3	15	46.500675	0.049474187
397	Plin1	15	580.3671	0.049091686
398	Cfi	15	832.95654	0.049080044
399	Col28a1	15	0	0.049059108
400	Pcolce2	15	1308.3812	0.04900104
401	Cacna1b	15	4947.1445	0.048926916
402	Cyp2a5	15	2602.2063	0.048728812
403	Cyp2s1	15	3648.2769	0.048653223
404	Hamp	14	1474.2496	0.050123494
405	Cd46	14	10181.613	0.050111357
406	Fndc5	14	767.32465	0.04989154
407	Serpina3n	14	530.69214	0.04987231
408	Efhb	14	12138.14	0.04971898
409	Reg3g	14	3226.0698	0.049714204
410	Loxl2	14	37.456924	0.04946946
411	Lama1	14	1361.5022	0.04946473
412	Dmpl	14	372.9363	0.04938684
413	Ccdc80	14	637.5366	0.049318593
414	Tnxb	14	1029.1464	0.0492998
415	Ttc25	14	3753.0288	0.049175654
416	Rmi2	14	0.82269543	0.04902193
417	Mylk3	14	886.0548	0.048922293
418	Kenc1	14	1753.5017	0.048731107
419	Cfap57	14	1459.654	0.048507288
420	Cfap206	14	324.00943	0.048269752
421	S100a4	13	2199.585	0.05021834
422	Aldh3a1	13	5774.934	0.05017452
423	ErbB4	13	6008.771	0.05001933
424	Pgf	13	472.22577	0.049963795
425	Bmp6	13	1102.9337	0.049762007
426	Tnc	13	284.07755	0.049533382
427	Ccl21a	13	83.62678	0.049512055
428	Enpp1	13	5989.738	0.04948838
429	Cox7a1	13	1061.1401	0.049476553
430	Trem1	13	4395.443	0.04943638
431	Lair1	13	555.3868	0.049422212
432	Car3	13	1205.0685	0.049417496
433	Slc18a2	13	5569.3423	0.049398627
434	F10	13	936.6057	0.049325645
435	Aox3	13	3791.1902	0.04918033
436	P2ry6	13	4218.716	0.049126636
437	Scgb3a2	13	7604.319	0.04906376
438	Gsta3	13	1094.95	0.048938483

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439	Ms4a7	13	47.680183	0.04893617
440	Kcnj5	13	1946.1139	0.048878394
441	Cd300c2	13	1148.4812	0.04880924
442	Srcin1	13	5562.008	0.04875636
443	Cyp7b1	13	2256.8997	0.048751768
444	Sntn	13	2485.7292	0.048676103
445	Mtfr2	13	3.5155203	0.048459593
446	Wnt10b	13	966.01544	0.048432384
447	Scn1b	13	3967.9163	0.04839162
448	Dnah7c	13	5.0695577	0.048141774
449	Scgb1a1	12	5359.437	0.050311103
450	Has2	12	2272.483	0.05011621
451	Aicda	12	1276.847	0.05011621
452	Fgfr4	12	3674.5845	0.049862698
453	Ptx3	12	127.076256	0.049611736
454	Gp9	12	1593.1296	0.04960698
455	Mpl	12	416.76996	0.049602225
456	Card9	12	2429.3604	0.0495239
457	Plp1	12	6562.5464	0.049422212
458	Bpifb1	12	2860.3645	0.049342107
459	Omd	12	298.57166	0.049208388
460	Atp2b2	12	4182.121	0.049101003
461	Kcnj10	12	2266.1394	0.048996404
462	Zranb3	12	1.3234528	0.04890842
463	Mxd3	12	11.481424	0.048685264
464	Fam183b	12	3398.5273	0.048532307
465	Cyp4a12b	12	2463.9946	0.04852776
466	Ugt2b5	12	1797.2244	0.048500467
467	Tmem212	12	1697.7462	0.048500467
468	Myl6b	12	94.11077	0.048423316
469	Ctsd	11	438.71265	0.050206162
470	Adrb2	11	4019.9587	0.04999034
471	Gsn	11	1983.1099	0.049966205
472	Hjv	11	1924.913	0.049898755
473	Ereg	11	1112.2866	0.049695108
474	Foxa1	11	7244.861	0.04969272
475	Ffar2	11	4659.384	0.049626008
476	Gp5	11	1420.3872	0.049623627
477	Pyy	11	954.1943	0.049611736
478	Cntn1	11	4298.1333	0.049602225
479	Ccn4	11	1591.3481	0.04937977
480	Ppic	11	183.64482	0.04911498
481	Bpifal	11	1471.2802	0.0489038
482	Hpgds	11	914.59106	0.0488461

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483	Gsta2	11	639.3658	0.0488461
484	Traip	11	122.75342	0.048735697
485	Atp1a2	11	3249.5186	0.048719637
486	Cyp4b1	11	1012.39185	0.04851638
487	Yipf7	11	25.203516	0.04842105
488	Casc1	11	15.961657	0.04806799
489	Cnn1	10	2364.9253	0.05015993
490	Trp73	10	1900.0072	0.049833886
491	Slc40a1	10	413.52527	0.04975005
492	Lgals4	10	3846.3894	0.049626008
493	Pth1r	10	461.7891	0.049552355
494	mt-Nd3	10	2531.2866	0.049516793
495	Tff2	10	7152.121	0.049462367
496	Il24	10	23.828508	0.049431656
497	Ppp1r1b	10	2380.5286	0.04940098
498	Pitx2	10	8302.589	0.049335048
499	Tmem26	10	473.01794	0.04901961
500	Ferls	10	23.781322	0.048931543
501	Gstm1	10	574.1332	0.048839185
502	Scgb3a1	10	672.44653	0.04881615
503	Serpina10	10	7316.212	0.04864636
504	Clec4a2	10	31.217379	0.048632648
505	Cfap157	10	747.2702	0.048500467
506	Sfrp1	10	521.71045	0.04847321
507	Wnt2b	10	142.88252	0.047961075
508	Ccdc13	10	215.27357	0.04790558
509	Msln	9	1071.7887	0.05001933
510	Psat1	9	5560.7715	0.049754832
511	Ch25h	9	2177.963	0.049673643
512	Tnfrsf11b	9	240.27753	0.049654577
513	Olr1	9	63.448475	0.049614113
514	Inhba	9	561.2735	0.049599845
515	Orm2	9	123.99701	0.049521532
516	Ctsh	9	287.966	0.049452912
517	Cldn4	9	7044.361	0.04944346
518	Lgmn	9	220.0904	0.049241163
519	Apol9a	9	1296.7722	0.04920137
520	Lrg1	9	643.53906	0.04916631
521	Sgcg	9	152.91039	0.04903122
522	Sulfl	9	29.284393	0.049014963
523	Prrx2	9	846.2934	0.04901032
524	Cda	9	1448.0242	0.04899872
525	Pgm5	9	933.2786	0.048945427
526	Mybphl	9	1006.0591	0.048917666

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527	Apol7c	9	2814.276	0.04889225
528	Slc12a5	9	90.280525	0.048790835
529	Spag16	9	896.5738	0.04877934
530	Clec5a	9	20.762953	0.048648648
531	Plin4	9	231.60161	0.04863722
532	Rgs4	9	4966.1	0.048621222
533	Adh7	9	130.88374	0.048436914
534	Ddias	9	419.6291	0.04841199
535	Pax9	9	3104.6147	0.048402935
536	Dkk2	9	468.45224	0.048269752
537	1700028P14Rik	9	496.6076	0.048249498
538	Iqub	9	2276.742	0.04814625
539	Saxo2	9	2205.5115	0.047845785
540	Scn3a	9	286.67755	0.04779276
541	Hmga2	8	287.93182	0.049845885
542	Timp4	8	9.604253	0.049740486
543	Mapk10	8	2695.4888	0.049661726
544	Tdo2	8	1706.7672	0.049609356
545	Gli2	8	1616.4741	0.04955947
546	Il22ra2	8	7.813943	0.049476553
547	Csf2rb2	8	7.813943	0.049476553
548	Ak5	8	6755.967	0.04937977
549	Atp7b	8	760.11346	0.049377415
550	Adgrv1	8	3298.416	0.049236476
551	Sh3gl2	8	1442.1298	0.049234137
552	Slc7a5	8	2393.5051	0.04919903
553	Mycbpap	8	7046.3564	0.049121976
554	Nrcam	8	3236.102	0.0490847
555	Chad	8	161.7648	0.049008
556	Itih3	8	1092.492	0.048917666
557	Marco	8	499.63004	0.048894558
558	Cd51	8	49.22553	0.048717346
559	Tnr	8	613.45776	0.048689842
560	Adamts12	8	18.127678	0.048678394
561	Thrsp	8	4073.4111	0.04863493
562	Sfrp5	8	1182.1675	0.048539136
563	Nme9	8	212.0984	0.04826075
564	Iqca	8	845.13873	0.048227016
565	Spata18	8	350.1688	0.048139535
566	Cyp2d22	8	422.39496	0.048010018
567	1700001C02Rik	8	734.4182	0.04793442
568	2310002L09Rik	8	10.470971	0.04791223
569	Kcnj11	8	301.7411	0.0478657
570	Wnt6	8	13.506507	0.047590584

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571	Ccdc33	8	34.074043	0.047187015
572	Bche	7	3012.9614	0.049702268
573	Ubd	7	239.88242	0.049429294
574	Lgals1	7	856.07275	0.04939391
575	Pdghc	7	2101.4639	0.04925288
576	Gmnc	7	3555.9773	0.04924585
577	Adgb	7	2789.7588	0.049159303
578	Cilp	7	64.37633	0.04905446
579	Adamts7	7	2115.5083	0.04898249
580	F5	7	858.04565	0.048980173
581	Gal	7	2236.2534	0.048961636
582	Spdef	7	1491.5475	0.048961636
583	Cdhr3	7	3450.634	0.048945427
584	Ms4a6c	7	24.914356	0.04887378
585	Grem1	7	146.24844	0.048710465
586	Arhgap19	7	0	0.048696715
587	Bdkrb1	7	187.75768	0.048660085
588	Rgs22	7	1808.7008	0.048650935
589	B3gnt4	7	943.9922	0.04863036
590	Slc5a1	7	2302.9565	0.048609808
591	Wfdc17	7	32.22825	0.048598394
592	Ect2l	7	4740.497	0.048575584
593	Acvr1c	7	129.49976	0.048511837
594	Frzb	7	142.02417	0.048498195
595	Ulbp1	7	4068.9497	0.048418786
596	Ldlrad1	7	624.284	0.048359968
597	Kcnh3	7	2240.546	0.048314817
598	F7	7	202.16809	0.04824275
599	Ccdc180	7	207.03076	0.048164178
600	Cfap299	7	3761.9626	0.048047908
601	Jsrp1	7	23.266756	0.048001114
602	Kcnn2	7	60.207485	0.04789006
603	Tspoap1	7	196.5382	0.047834728
604	Tmem182	7	140.49936	0.04781263
605	Slc38a4	7	1617.1699	0.04765413
606	Vwa3a	7	2278.147	0.047566526
607	Ptger3	6	3301.3284	0.04953575
608	Ripk3	6	1575.7773	0.04943638
609	Serpina3i	6	91.04821	0.049389195
610	Pdia2	6	2434.3464	0.049311545
611	Ngb	6	659.7424	0.04916164
612	Tnni3k	6	2167.4585	0.0491523
613	Mafb	6	601.5468	0.04911498
614	Dspp	6	229.34053	0.04908703

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615	Mlxipl	6	44.614517	0.04882306
616	Cd109	6	1686.7235	0.048735697
617	Ppp2r2c	6	623.5608	0.048669238
618	Pde4c	6	500.75345	0.048621222
619	Ces1f	6	642.9184	0.048612088
620	Shank2	6	186.76064	0.04843465
621	Tnfsf18	6	0	0.04841652
622	Gjb6	6	1128.6914	0.04834641
623	Dctd	6	29.01047	0.04830354
624	Rgs5	6	2443.6902	0.04829002
625	Pdyn	6	268.721	0.04829002
626	Lypd2	6	2658.1958	0.048229262
627	Asb14	6	2699.5837	0.04816642
628	Fmo3	6	718.1803	0.048157454
629	Six1	6	3252.0273	0.048070226
630	Ppp4r4	6	11415.752	0.047996663
631	Hcn1	6	36.292355	0.047878984
632	Cyp4f15	6	29.422012	0.04783915
633	Cfap77	6	0	0.04778173
634	Kcna6	6	8.598988	0.04768706
635	Atp2c2	6	4075.9912	0.04763439
636	Rgs9	6	1236.4647	0.047505394
637	Kent1	6	1080.4353	0.04739879
638	Cdh3	5	2655.3481	0.049757224
639	Amy1	5	185.28136	0.04954761
640	Gdf11	5	113.94091	0.049540494
641	Ticam2	5	15.028373	0.04944346
642	Fscn1	5	1258.5984	0.049335048
643	Twist2	5	5550.7803	0.04930215
644	Mlip	5	639.1235	0.049241163
645	Fbxl13	5	1144.8541	0.048950057
646	Bcat1	5	166.08984	0.04881615
647	Tymp	5	209.49715	0.048770145
648	Lgr6	5	432.94897	0.04875636
649	Chrdl1	5	306.671	0.048632648
650	Mgl2	5	3.325133	0.04862351
651	Slc47a1	5	2637.1816	0.04853686
652	Ednrb	5	482.5576	0.048511837
653	Inmt	5	2652.7546	0.04850956
654	Sh3gl3	5	64.299675	0.048495922
655	Scgb1c1	5	1384.7174	0.04846413
656	Adcy8	5	728.0178	0.048443716
657	Gdf6	5	36.753296	0.04843465
658	Fank1	5	1577.998	0.048418786

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659	Pde8b	5	117.220345	0.048393883
660	Kynu	5	1061.0748	0.04838936
661	Cd84	5	287.9954	0.048357707
662	Erfe	5	6.618303	0.04831933
663	Cbr2	5	149.87766	0.0482585
664	Smoc1	5	761.4771	0.048220277
665	Nr5a2	5	961.37604	0.048215784
666	Cacng5	5	785.0562	0.048215784
667	Nrtn	5	241.80574	0.048094794
668	Nrn1	5	593.1323	0.04809256
669	Lrrtm2	5	53.700027	0.048079155
670	Lingo1	5	255.54955	0.048056833
671	Fut2	5	1348.6621	0.04797664
672	Mest	5	2117.4446	0.047901142
673	Fitm1	5	93.702484	0.047836937
674	Stx1b	5	253.4865	0.047779523
675	Ppfia4	5	0	0.047693655
676	Shisa9	5	1418.502	0.047610287
677	Abcc8	5	1548.3077	0.047577456
678	Ttl9	5	335.3514	0.047485776
679	Lrrc36	5	4603.3486	0.047383603
680	Zdbf2	5	346.96686	0.047041178
681	Ubxn10	5	366.94864	0.04702408
682	Rgs16	5	133.00708	0.046908993
683	Dlec1	5	0	0.046699453
684	Dthd1	5	4203.812	0.046477165
685	Nr3c2	4	30.47533	0.049656957
686	Mdga1	4	503.537	0.049422212
687	Dstamp	4	265.15393	0.049410418
688	Defb1	4	551.5303	0.049295105
689	Adam12	4	2034	0.049241163
690	Etv4	4	6.650761	0.04890842
691	Gatm	4	196.98616	0.048866857
692	Megf11	4	2430.8	0.04883227
693	Tfap2a	4	4082.754	0.048772443
694	Shc4	4	185.00545	0.048689842
695	Ackr4	4	0.22103387	0.048571028
696	Clcn5	4	1884.1268	0.048520934
697	Inha	4	28.17514	0.04850956
698	Slc7a8	4	695.8217	0.04847094
699	Fmo2	4	1303.097	0.04845052
700	Synm	4	17.100363	0.048445985
701	Klf15	4	429.8016	0.04842105
702	Gas7	4	0.469401	0.04839162

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703	Kdelr3	4	808.0741	0.04833061
704	Dpep1	4	458.72327	0.04832835
705	Chsy3	4	361.47256	0.048308052
706	Dbn1	4	188.36719	0.04829678
707	Asgr1	4	551.58575	0.048294526
708	Hal	4	756.5528	0.048287768
709	Nckap1	4	75.018295	0.04828326
710	Spsb4	4	965.53754	0.048245
711	Tnfrsf11a	4	7.379395	0.048231512
712	Grtp1	4	783.0343	0.048220277
713	Ces1e	4	120.71444	0.04821803
714	Slc7a10	4	540.07855	0.048204556
715	Hmgcs2	4	126.99745	0.04819782
716	Dusp27	4	3472.3481	0.048161935
717	Dnmt3l	4	1365.8951	0.048150733
718	Mpig6b	4	10.1334715	0.048135057
719	BC030867	4	0	0.0481015
720	Adora1	4	329.96222	0.048056833
721	Malt1	4	8.407948	0.048036758
722	Spata17	4	48.793583	0.047996663
723	Fam81b	4	348.99146	0.04798776
724	Cdh19	4	223.4666	0.047985535
725	Gfra3	4	117.011444	0.047947746
726	Ulk4	4	108.80405	0.047925543
727	Bbox1	4	1332.5238	0.047856845
728	Pcp4	4	3749.9087	0.047830306
729	Tbx6	4	235.98518	0.047790553
730	Cacna2d4	4	914.8168	0.04774646
731	Gcnt4	4	6119.1807	0.047744256
732	Plpp3	4	2283.5188	0.047742054
733	Itpka	4	262.54776	0.047717843
734	Cfap100	4	296.07886	0.04770025
735	Slc4a5	4	2205.8943	0.047667295
736	Gsg11	4	1364.5684	0.04754249
737	Aldh1l2	4	2457.1877	0.04751848
738	Glt1d1	4	2583.819	0.047511935
739	Dok2	4	82.67843	0.047507573
740	Unc80	4	2034	0.04745747
741	Ugt8a	4	1465.0026	0.0474292
742	Cd300lg	4	537.96246	0.047427025
743	Gjb4	4	4.8550854	0.047383603
744	Gjb3	4	4.8550854	0.047383603
745	Gjb5	4	4.8550854	0.047383603
746	P2ry14	4	140.70998	0.047346752

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747	Iglon5	4	4208.524	0.04730347
748	Rgs11	4	0	0.046877123
749	Ggt1	4	0	0.046705775
750	Ano3	4	2191.826	0.04662162
751	Sult1d1	4	2036.3344	0.046611123
752	Cers3	4	4079.9475	0.046560798
753	Ccdc170	4	44.410793	0.04636266
754	Lrrc74b	4	467.26782	0.04448934
755	Tmem173	3	1.3325359	0.04936564
756	Cnksr2	3	398.09537	0.049309194
757	Eda	3	687.2404	0.049217746
758	Igfbp6	3	48.760277	0.048878394
759	Plag1	3	27.238537	0.048662372
760	S100a7a	3	16.897825	0.048662372
761	Lrp8	3	2034	0.048555076
762	Cideb	3	22.536768	0.048520934
763	Adam3	3	6090	0.04846413
764	Atp6v1b1	3	59.144703	0.048461862
765	Cyt11	3	2250.1504	0.048396148
766	Dzank1	3	3818.4907	0.04831256
767	Tmem45b	3	2026.9213	0.048308052
768	Adra1d	3	2039.8046	0.04829678
769	Ky	3	543.49255	0.048231512
770	Ntm	3	2097.9014	0.048179872
771	Prima1	3	282.8435	0.04817763
772	Acsm3	3	187.0771	0.048121627
773	Ppp1r42	3	6094	0.048099265
774	Tspan7	3	906.7403	0.048072457
775	Syt10	3	63.526264	0.04805237
776	Pycr1	3	364.61673	0.048041217
777	Cep126	3	205.23872	0.048027843
778	Cdh26	3	180.32138	0.048005566
779	Wdr72	3	73.71866	0.048005566
780	Sptb	3	39.649082	0.04798331
781	Sptlc3	3	3085.9287	0.047967743
782	Tppp3	3	442.9355	0.04795663
783	Dok5	3	0	0.04793442
784	Nkx2-9	3	72.6792	0.047894493
785	Clca3a1	3	1712.6052	0.04780821
786	Odaph	3	670.5675	0.047777317
787	Wdr93	3	625.72833	0.04775527
788	Chst4	3	745.2998	0.047750864
789	Tmem232	3	2108.0508	0.04771564
790	Lilr4b	3	2.2946925	0.047706846

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791	Bves	3	5.0617537	0.047669493
792	Fsd2	3	0	0.047660712
793	Ubxn11	3	2186.7922	0.047658518
794	Upk2	3	1645.7432	0.047647547
795	Tbxas1	3	66.976265	0.047566526
796	Perm1	3	2034	0.047562152
797	Mylk4	3	0	0.04752066
798	Btbd17	3	4205.823	0.047400963
799	Slc5a8	3	117.25765	0.04739228
800	Syt12	3	22.13051	0.047383603
801	Stxbp6	3	13.428273	0.047340255
802	Lsamp	3	884.51526	0.047277544
803	Cdkl4	3	409.67313	0.047275383
804	Pbld1	3	2474.9922	0.04726459
805	Mixl1	3	6.888465	0.047217153
806	Cblif	3	413.09213	0.047210693
807	Hoxb7	3	2051.5847	0.04720208
808	Gkn3	3	3	0.047178414
809	Pm20d2	3	3216.4673	0.04712471
810	Ror2	3	0	0.047101118
811	Mab2113	3	1398.3031	0.04707327
812	Wfdc6a	3	4064	0.04703904
813	Slc13a4	3	917.3962	0.046928134
814	Fibin	3	535.7475	0.046902616
815	P2rx6	3	15.8526125	0.046898365
816	P2rx2	3	15.8526125	0.046898365
817	Bex2	3	218.3055	0.046860144
818	Catsperg1	3	2034	0.04684318
819	Arhgef33	3	625.95984	0.0466805
820	Gbx2	3	2034	0.046632126
821	Ankfn1	3	31.432259	0.046443798
822	Odf3b	3	294.7891	0.0464188
823	Aass	3	85.55541	0.04640007
824	Kcnj13	3	916.0766	0.04636266
825	Fut7	3	27.327616	0.04636266
826	1700029J07Rik	3	15.503689	0.046292156
827	Prss46	3	4066	0.04626939
828	Nnat	3	0	0.046248715
829	Stk33	3	2346.3608	0.046242516
830	Ccdc60	3	313.7408	0.045944866
831	Klhdc8a	3	4066	0.045843113
832	Frmpd2	3	535.9537	0.0452044
833	Lmntd1	3	37.55169	0.044468313
834	Ccn3	2	4.8687477	0.049185

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835	Esm1	2	0	0.048701297
836	Cthrc1	2	0	0.048694424
837	Lrrc15	2	7.619825	0.04850956
838	Cys1	2	2034	0.048466403
839	Hhat	2	0	0.048269752
840	Fam13a	2	199.24452	0.048222523
841	Tfec	2	17.082932	0.048222523
842	Mtus1	2	52.50006	0.048182115
843	Vwa1	2	373.76846	0.048173144
844	Galnt13	2	233.74944	0.048141774
845	Marcks11	2	13.070509	0.0480167
846	Crabp2	2	0	0.047996663
847	Dmrt2	2	0	0.047985535
848	Rps6ka6	2	2038.0935	0.04797219
849	Serpina3g	2	2.6183493	0.047961075
850	Lhfpl2	2	0	0.04791223
851	Chl1	2	11.678267	0.047910012
852	1810020O05Rik	2	0	0.047907796
853	Exoc3l2	2	110.85272	0.04789671
854	Lctl	2	2034	0.047832515
855	Fam227a	2	400.0366	0.047832515
856	Srpx2	2	0.96428573	0.047828097
857	Tfpi2	2	0	0.047788344
858	Rab32	2	2034	0.047779523
859	AA467197	2	0	0.047761884
860	Efcab2	2	196.32684	0.047704645
861	Syt13	2	0	0.04769805
862	Fcrlb	2	97.91309	0.047667295
863	Hhatl	2	0	0.047662906
864	Mymk	2	18.245007	0.047632195
865	Guca1b	2	1094.4567	0.047630005
866	Itprid1	2	734.8584	0.047603715
867	Tll3	2	2034	0.047597148
868	Pclo	2	27.664503	0.047590584
869	Fbxo40	2	0	0.047588393
870	Asgr2	2	0	0.047544673
871	Cd200r4	2	3.5815856	0.04748142
872	Tppp	2	0	0.047450945
873	Susd5	2	275.77176	0.04744877
874	Colq	2	0	0.0474292
875	Cd200r2	2	0	0.047418334
876	Slc22a3	2	87.92391	0.04737059
877	Ssc5d	2	0	0.047288343
878	Ankrd45	2	102.57465	0.047253802

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879	Crispld1	2	0	0.047253802
880	Tff1	2	0	0.04717196
881	Osr2	2	0	0.047163364
882	Doc2g	2	0	0.047156915
883	Mpz	2	0	0.047148325
884	Ephb1	2	27.838223	0.047139734
885	Prss22	2	297.16144	0.04703263
886	Cwh43	2	330.78717	0.046945162
887	Hba-a2	2	0	0.046940904
888	Fam161b	2	2034	0.046864387
889	Akap14	2	17.912062	0.04683682
890	Gabrp	2	2034	0.046811398
891	Bex6	2	114.20097	0.04673108
892	Fam178b	2	420.75497	0.046606924
893	Ccdc153	2	0	0.04657756
894	Amn	2	91.92185	0.046500135
895	Fam167b	2	495.4303	0.046464648
896	Gpr160	2	356.861	0.04644588
897	Thrb	2	2034	0.046420883
898	Slc5a12	2	0	0.046395913
899	Arhgef38	2	157.7504	0.04637097
900	Diras2	2	1799.3953	0.046180617
901	Guca1a	2	50.254444	0.046180617
902	Bbof1	2	364.88306	0.04603683
903	Syt17	2	157.5544	0.046032734
904	Gm28729	2	2034	0.045932632
905	Gm12695	2	132.61172	0.045930594
906	Upk1a	2	45.46586	0.045780256
907	Tafa5	2	217.77603	0.045693345
908	Vat11	2	2034	0.045608778
909	Tmem132d	2	235.8389	0.045508508
910	Dcdc2a	2	0	0.045506507
911	D130043K22Rik	2	0	0.045506507
912	R3hdml	2	2034	0.045295406
913	Kctd19	2	2034	0.04527955
914	Wfdc16	2	0	0.044962857
915	Wfdc12	2	0	0.044962857
916	Tmem213	2	184.06421	0.04454295
917	Tgm1	2	2034	0.04452762
918	Gpr176	2	2	9.67E-04
919	Fgfbp1	1	0	0.048669238
920	Esrrg	1	0	0.048341896
921	Vpreb3	1	0	0.04828326
922	Tnfrsf23	1	0	0.048274253

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923	Fabp12	1	0	0.048215784
924	Vipr2	1	0	0.048139535
925	Pmepal	1	0	0.04813058
926	Nwd1	1	0	0.048117153
927	Clec11a	1	0	0.048085857
928	Brinp1	1	0	0.047974415
929	Sh2b2	1	0	0.047921102
930	Tstd1	1	0	0.0478657
931	Lgals7	1	0	0.0478657
932	S100a14	1	0	0.047856845
933	Akr1b8	1	0	0.047817048
934	Cgref1	1	0	0.047783934
935	Cyth4	1	0	0.047779523
936	Bhlhe22	1	0	0.047779523
937	Tbata	1	0	0.047768496
938	Cemip	1	0	0.047764085
939	Capn6	1	0	0.04775527
940	Capn13	1	0	0.04775527
941	Slurp1	1	0	0.047731046
942	Galnt15	1	0	0.047702447
943	Zfp469	1	0	0.047638774
944	Phkg1	1	0	0.047405303
945	Wfdc21	1	0	0.04735325
946	Ptpn7	1	0	0.047351085
947	Rnf186	1	0	0.04722577
948	Ppil6	1	0	0.047197774
949	Wdr49	1	0	0.047178414
950	Mov10l1	1	0	0.047167663
951	Acsl6	1	0	0.047159065
952	Cldn10	1	0	0.04715262
953	Ephx4	1	0	0.047146175
954	Htr2b	1	0	0.04711184
955	Sybu	1	0	0.04706043
956	Pdgfrl	1	0	0.046979256
957	Adam28	1	0	0.046968598
958	Armex4	1	0	0.046964336
959	Hilpda	1	0	0.04690474
960	Faim2	1	0	0.04688774
961	Myo1h	1	0	0.04684106
962	Efcab12	1	0	0.046790235
963	Lrtm1	1	0	0.046745855
964	Hhip11	1	0	0.046733193
965	Sprr1a	1	0	0.04671421
966	D430041D05Rik	1	0	0.04652731

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967	Fxyd6	1	0	0.04649387
968	Ankrd37	1	0	0.046433378
969	C1qtnf6	1	0	0.04642713
970	Chrm3	1	0	0.04640423
971	Snx7	1	0	0.046343975
972	Pla2g4c	1	0	0.046319086
973	Fmo1	1	0	0.04630251
974	Pkhd1	1	0	0.046263184
975	Tmem37	1	0	0.046263184
976	Raet1d	1	0	0.0462198
977	Klrc3	1	0	0.0462198
978	Alx4	1	0	0.046205357
979	Pla1a	1	0	0.046157964
980	Dchs2	1	0	0.046157964
981	Kcnk12	1	0	0.04612505
982	Adra1a	1	0	0.04610861
983	Cpne5	1	0	0.046002045
984	Fam180a	1	0	0.045985695
985	Zbbx	1	0	0.045928556
986	Otx1	1	0	0.045902077
987	Acox1	1	0	0.045881726
988	Serpina9	1	0	0.045834996
989	Kirrel3	1	0	0.045834996
990	Ydjc	1	0	0.045697384
991	Shisa4	1	0	0.04568528
992	Nrgn	1	0	0.04568326
993	Rab3il1	1	0	0.045636933
994	Oas1e	1	0	0.04557865
995	Tll6	1	0	0.04547052
996	Abca14	1	0	0.04544257
997	Ttc16	1	0	0.04543858
998	Me3	1	0	0.04539872
999	Tmem28	1	0	0.04534303
1000	Lrrn2	1	0	0.045202427
1001	Dpysl5	1	0	0.045202427
1002	Hoxb8	1	0	0.04510983
1003	Pheta2	1	0	0.045039166
1004	9030025P20Rik	1	0	0.044801317
1005	Xkr5	1	0	0.04478193
1006	Gabre	1	0	0.044752885
1007	Tal2	1	0	0.044589005
1008	Sec14l5	1	0	0.0445794
1009	Iyd	1	0	0.044569805
1010	Dio3	1	0	0.04439583

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1011	Crfl1	1	0	0.04425725
1012	Ccdc162	1	0	0.04425725
1013	1700016K19Rik	1	0	0.04423266
1014	Gm32742	1	0	0.043949045
1015	Prpt4	1	0	0.043867085
1016	Lemd1	1	0	0.043867085
1017	Fn3k	1	0	0.043652467
1018	Slc16a11	1	0	0.043365315
1019	Dqx1	1	0	0.043350786
1020	Rptn	1	0	0.04266106
1021	Gpr20	1	0	9.67E-04
1022	Fsip1	1	0	9.67E-04
1023	Rnf152	1	0	9.66E-04
1024	Paqr9	1	0	9.66E-04
1025	Tnfaip811	1	0	9.66E-04
1026	Mettl7a3	1	0	9.66E-04
1027	Tvp23a	1	0	9.66E-04
1028	Gprasp2	1	0	9.66E-04
1029	Tcf23	1	0	9.66E-04
1030	Efcab5	1	0	9.66E-04
1031	Glb1l3	1	0	9.66E-04
1032	Cst8	1	0	9.66E-04
1033	Pabpn11	1	0	9.66E-04
1034	Btg4	1	0	9.66E-04
1035	Phf11a	1	0	9.66E-04
1036	Adam33	1	0	9.66E-04

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