

**Supplementary Table 1 Basic information of 49 differentially expressed circRNAs with details in the CSCD database**

<b>CircRNA ID</b>	<b>Position</b>	<b>Strand</b>	<b>Genomic length</b>	<b>Spliced length</b>	<b>Best transcript</b>	<b>Gene symbol</b>
hsa_circ_0000370	chr11:128628009-128651918	+	23909	637	NM_002017	<i>FLI1</i>
hsa_circ_0000390	chr10:128768965-128836080	+	67115	1901	NM_001380	<i>DOCK1</i>
hsa_circ_0001806	chr8:68018139-68028357	+	10218	432	NM_024790	<i>CSPP1</i>
hsa_circ_0003912	chr1:145601529-145601852	-	323	198	NM_006468	<i>POLR3C</i>
hsa_circ_0003945	chr9:33953282-33956144	-	2862	258	NM_018449	<i>UBAP2</i>
hsa_circ_0000375	chr12:6657590-6657991	-	401	279	NM_080730	<i>IFFO1</i>
hsa_circ_0000039	chr16:69279504-69318147	+	38643	765	NM_006750	<i>SNTB2</i>
hsa_circ_0003685	chr11:77085372-77103586	-	18214	498	NM_001128620	<i>PAK1</i>
hsa_circ_0000519	chr14:20811436-20811534	-	98	98	NR_002312	<i>RPPH1</i>
hsa_circ_0007158	chr5:74109664-74137504	-	27840	673	NM_015566	<i>FAM169A</i>
hsa_circ_0000977	chr2:10784445-10808849	-	24404	562	NM_024894	<i>NOL10</i>
hsa_circ_0008297	chr6:151336015-151336829	+	814	279	NM_001242767	<i>MTHFD1L</i>
hsa_circ_000	chr14:20811282-208	-	149	149	NR_002312	<i>RPPH1</i>

0511	11431						
hsa_circ_004	chr19:11024552-110	+	2901	351	NM_19914	<i>CARM1</i>	
9356	27453				1		
hsa_circ_000	chr8:141710989-141	-	5315	357	NM_00119	<i>PTK2</i>	
5273	716304				9649		
hsa_circ_007	chr7:11101417-1115	+	49677	291	NR_033436	<i>PHF14</i>	
9440	1094						
hsa_circ_000	chr1:204082042-204	+	4793	776	NM_00568	<i>SOX13</i>	
3600	086835				6		
hsa_circ_002	chr12:110764194-11	+	16059	1774	NM_17066	<i>ATP2A2</i>	
8173	0780253				5		
hsa_circ_006	chr22:38894089-388	-	3196	451	NM_00109	<i>DDX17</i>	
3331	97285				8504		
hsa_circ_004	chr18:21001330-210	-	9311	125	NM_03293	<i>TMEM2</i>	
7151	10641				3	<i>41</i>	
hsa_circ_000	chrX:41519691-415	-	11092	402	NM_00112	<i>CASK</i>	
1917	30783				6055		
hsa_circ_000	chr14:20811282-208	-	154	154	NR_002312	<i>RPPH1</i>	
0512	11436						
hsa_circ_001	chr1:35824525-3582	+	2865	755	NM_00509	<i>ZMYM4</i>	
1536	7390				5		
hsa_circ_003	chr15:58302846-583	-	3633	376	NM_00120	<i>ALDH1</i>	
5445	06479				6897	<i>A2</i>	
hsa_circ_000	chr16:19627435-196	+	35977	1198	NM_02031	<i>C16orf62</i>	
5699	63412				4		
hsa_circ_007	chr5:896779-901546	+	4767	277	NM_00423	<i>TRIP13</i>	
1681					7		
hsa_circ_006	chr3:47155365-4716	-	12788	4644	NM_01415	<i>SETD2</i>	
5173	8153				9		
hsa_circ_002	chr12:110832905-11	-	1352	307	NM_01623	<i>ANAPC</i>	
8198	0834257				8	<i>7</i>	

hsa_circ_000	chr8:42259305-4226	+	1674	379	NM_00113	<i>VDAC3</i>
5927	0979				5694	
hsa_circ_000	chr15:64495280-645	-	13632	815	NM_02204	<i>CSNK1</i>
1955	08912				8	<i>G1</i>
hsa_circ_000	chr7:33185853-3321	+	31350	453	NM_19842	<i>BBS9</i>
3162	7203				8	
hsa_circ_000	chr9:110064315-110	+	4613	349	NM_00287	<i>RAD23B</i>
6174	068928				4	
hsa_circ_000	chr6:170626457-170	+	13181	2038	NM_03244	<i>FAM120</i>
1666	639638				8	<i>B</i>
hsa_circ_008	chr8:9437668-94378	+	225	225	NM_00374	<i>TNKS</i>
3294	93				7	
hsa_circ_000	chr13:96485180-964	-	4276	244	NM_02012	<i>UGGT2</i>
8274	89456				1	
hsa_circ_006	chr22:26936754-269	-	930	930	NM_00100	<i>TPST2</i>
2682	37684				8566	
hsa_circ_001	chr10:76970891-769	+	11269	938	NM_00118	<i>VDAC2</i>
8909	82160				4783	
hsa_circ_004	chr17:47874111-478	+	1809	417	NM_00706	<i>KAT7</i>
4436	75920				7	
hsa_circ_004	chr17:35797838-358	+	2925	250	NM_00148	<i>TADA2</i>
3278	00763				8	<i>A</i>
hsa_circ_007	chr5:32379220-3238	-	9560	693	NM_01610	<i>ZFR</i>
2088	8780				7	
hsa_circ_000	chr14:20811404-208	-	150	150	NR_002312	<i>RPPH1</i>
0518	11554					
hsa_circ_000	chr10:3160973-3162	+	1263	241	NM_00124	<i>PFKP</i>
6608	236				2339	
hsa_circ_001	chr1:32691771-3269	+	360	278	NM_00375	<i>EIF3I</i>
1385	2131				7	
hsa_circ_008	chr7:50737418-5077	-	35602	637	NM_00100	<i>GRB10</i>

0210	3020					1550	
hsa_circ_006	chr21:43334706-433	-	7488	466	NM_01550	<i>C2CD2</i>	
1817	42194					0	
hsa_circ_000	chr1:21377358-2143	-	60518	266	NM_00119	<i>EIF4G3</i>	
0026	7876					8803	
hsa_circ_000	chr17:35800605-358	+	158	158	NM_00148	<i>TADA2</i>	
6220	00763					8	<i>A</i>
hsa_circ_001	chr1:173726114-173	+	18867	671	NM_01445	<i>KLHL20</i>	
5278	744981					8	
hsa_circ_000	chr14:20811436-208	-	123	123	NR_002312	<i>RPPH1</i>	
0520	11559						

CircRNA: Circular RNA; CSCD: Cancer-Specific CircRNA Database.

**Supplementary Table 2 Intersected miRNAs of differentially expressed and predicted miRNAs**

<b>Number</b>	<b>ID</b>
1	hsa-miR-378
2	hsa-miR-663
3	hsa-miR-342-3p
4	hsa-miR-1182
5	hsa-miR-361-3p
6	hsa-miR-765
7	hsa-miR-502-3p
8	hsa-miR-423-5p
9	hsa-miR-142-5p
10	hsa-miR-532-3p
11	hsa-miR-671-5p
12	hsa-miR-1260
13	hsa-miR-198
14	hsa-miR-1224-5p
15	hsa-miR-371-5p
16	hsa-miR-760
17	hsa-miR-1290
18	hsa-miR-769-5p
19	hsa-miR-623
20	hsa-miR-125a-3p
21	hsa-miR-650
22	hsa-miR-1321
23	hsa-miR-330-3p
24	hsa-miR-1202
25	hsa-miR-601

MiRNA: microRNA.

**Supplementary Table 3 Differentially expressed miRNAs in GSE41655 dataset**

<b>ID</b>	<b>logFC</b>	<b>t</b>	<b>P value</b>	<b>Adjusted P value</b>
hsa-miR-1308	3.152705	13.66096	6.37E-18	6.10E-15
hsa-miR-497	-2.10006	-13.0081	3.93E-17	1.88E-14
hsa-miR-30a	-1.95734	-11.1667	8.90E-15	2.85E-12
hsa-miR-378	-2.89176	-11.0273	1.37E-14	3.28E-12
hsa-miR-145	-2.18922	-10.6344	4.63E-14	8.88E-12
hsa-miR-630	3.496072	10.43132	8.77E-14	1.40E-11
hsa-miR-378	-2.39134	-10.2209	1.71E-13	2.34E-11
hsa-miR-381	-2.45986	-9.93112	4.33E-13	5.19E-11
hsa-miR-663	2.730671	9.605588	1.24E-12	1.32E-10
hsa-miR-30e	-1.66914	-9.52043	1.64E-12	1.57E-10
hsa-miR-26a	-1.81345	-9.32784	3.08E-12	2.69E-10
hsa-miR-29c	-1.82081	-9.03206	8.21E-12	6.31E-10
hsa-miR-136	-1.77367	-9.01965	8.55E-12	6.31E-10
hsa-miR-30d	-1.62052	-8.95568	1.06E-11	7.25E-10
hsa-miR-342-5p	-1.5912	-8.81921	1.67E-11	1.07E-09
hsa-miR-342-3p	-1.29195	-8.79165	1.83E-11	1.10E-09
hsa-miR-133b	-2.08763	-8.74984	2.11E-11	1.19E-09
hsa-miR-224	2.699658	8.408138	6.66E-11	3.53E-09
hsa-miR-30a	-1.94289	-8.39422	6.99E-11	3.53E-09
hsa-miR-483-5p	2.836299	8.322658	8.91E-11	4.27E-09
hsa-miR-1300_v13.0	2.511451	8.049406	2.26E-10	1.03E-08
hsa-miR-1183	2.633869	7.985914	2.81E-10	1.22E-08
hsa-miR-194	-1.48133	-7.87725	4.08E-10	1.70E-08
hsa-miR-186	-1.49188	-7.8286	4.82E-10	1.92E-08
hsa-miR-135b	2.349921	7.775908	5.77E-10	2.19E-08
hsa-miR-375	-3.47775	-7.76767	5.94E-10	2.19E-08

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hsa-miR-1246	2.742944	7.551626	1.25E-09	4.44E-08
hsa-miR-1182	2.270773	7.023043	7.82E-09	2.68E-07
hsa-miR-150	-2.03471	-6.98867	8.81E-09	2.91E-07
hsa-miR-141	-1.78141	-6.94753	1.02E-08	3.25E-07
hsa-miR-194	-1.19423	-6.93752	1.05E-08	3.26E-07
hsa-miR-140-3p	-1.62994	-6.79962	1.70E-08	4.99E-07
hsa-miR-320b	-1.03867	-6.79727	1.72E-08	4.99E-07
hsa-miR-101	-1.20513	-6.76626	1.91E-08	5.39E-07
hsv1-miR-H1_v14.0	2.234422	6.664804	2.72E-08	7.46E-07
hsa-miR-361-3p	-1.35039	-6.6476	2.89E-08	7.70E-07
hsa-miR-21	1.178954	6.492205	4.97E-08	1.25E-06
hsa-miR-765	2.121488	6.454433	5.67E-08	1.39E-06
hsa-miR-376a	-1.97474	-6.42384	6.31E-08	1.51E-06
hsa-miR-502-3p	-1.72309	-6.3949	6.98E-08	1.63E-06
hsa-miR-320d	-1.00191	-6.31377	9.25E-08	2.11E-06
hsa-miR-223	2.021918	6.291692	9.99E-08	2.23E-06
hsa-miR-183	2.012327	6.275982	1.06E-07	2.30E-06
hsa-miR-96	1.978484	6.210762	1.32E-07	2.82E-06
hsa-miR-424	2.056804	6.075622	2.12E-07	4.42E-06
hsa-miR-181a	-1.24981	-5.83124	4.95E-07	1.01E-05
hsa-miR-127-3p	-1.60316	-5.80131	5.49E-07	1.10E-05
hsa-miR-423-5p	-1.16862	-5.72762	7.09E-07	1.36E-05
hsa-miR-20a	1.727974	5.716187	7.37E-07	1.39E-05
hsa-miR-99b	-1.48335	-5.65011	9.26E-07	1.71E-05
hsa-miR-627	-1.40341	-5.60543	1.08E-06	1.96E-05
hsa-miR-17	1.196302	5.543084	1.34E-06	2.38E-05
hsa-miR-622	1.772143	5.537492	1.37E-06	2.38E-05
hsa-miR-659	2.217177	5.488718	1.61E-06	2.77E-05
hsa-miR-142-5p	-2.01629	-5.47759	1.68E-06	2.80E-05

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hsa-miR-337-5p	-1.12936	-5.47082	1.72E-06	2.80E-05
dmr_285	1.006686	5.467075	1.74E-06	2.80E-05
hsa-miR-376c	-2.00512	-5.46546	1.75E-06	2.80E-05
hsa-miR-610	1.7523	5.449101	1.85E-06	2.84E-05
hsa-miR-199a-5p	-1.33167	-5.44702	1.86E-06	2.84E-05
hsa-miR-720	-1.30578	-5.42891	1.98E-06	2.97E-05
ebv-miR-BART19-3p	-1.86474	-5.41093	2.11E-06	3.06E-05
hsa-miR-584	1.325497	5.379175	2.35E-06	3.37E-05
hsa-miR-532-3p	-1.47034	-5.36663	2.45E-06	3.46E-05
hcmv-miR-US4	2.051342	5.34546	2.64E-06	3.67E-05
hsa-miR-671-5p	1.516806	5.26134	3.52E-06	4.82E-05
hsa-miR-1260	-1.70354	-5.251	3.64E-06	4.92E-05
hsa-miR-551b	-1.58899	-5.23306	3.87E-06	5.16E-05
hsa-miR-149	1.749063	5.197056	4.38E-06	5.75E-05
hsa-miR-198	1.501014	5.152571	5.09E-06	6.51E-05
hsa-miR-379	-1.32667	-5.07032	6.73E-06	8.49E-05
hsa-miR-1471	1.73528	4.73049	2.11E-05	0.000243
hsa-miR-29c	-1.2473	-4.70266	2.31E-05	0.000264
hsa-miR-1224-5p	1.070486	4.667069	2.60E-05	0.000292
hsa-miR-377	-1.56612	-4.6651	2.62E-05	0.000292
hsa-miR-371-5p	1.513296	4.64891	2.76E-05	0.000304
hsa-miR-222	-1.40347	-4.63439	2.89E-05	0.000315
hsa-miR-193b	1.039012	4.600917	3.23E-05	0.000348
hsa-miR-7	1.748552	4.523402	4.17E-05	0.000433
hsa-miR-33a	-1.46721	-4.52277	4.18E-05	0.000433
hsa-miR-145	-1.09533	-4.50514	4.43E-05	0.000448
hsa-miR-760	1.431963	4.398814	6.27E-05	0.00062
hsa-miR-451	2.083341	4.379609	6.67E-05	0.000653
hsa-miR-20b	1.097061	4.367802	6.93E-05	0.000672

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hsa-miR-30e	-1.32496	-4.36017	7.11E-05	0.000681
hsa-miR-142-3p	-1.41782	-4.26582	9.64E-05	0.000897
hsa-miR-210	-1.28676	-4.22356	0.00011	0.001018
hsa-miR-1290	1.146726	4.19858	0.00012	0.001082
hsa-miR-769-5p	-1.03225	-4.17479	0.000129	0.001156
hsa-miR-623	1.356028	4.168698	0.000132	0.001168
hsa-miR-125a-3p	1.675774	4.109479	0.000159	0.001398
hsa-miR-10a	1.661478	4.066745	0.000182	0.001557
hsa-miR-650	1.669089	4.041812	0.000197	0.001655
hsa-miR-1321	1.09453	3.994866	0.000228	0.00187
hsa-miR-877	1.149122	3.985258	0.000235	0.001911
hsa-miR-92a-1	1.028994	3.944947	0.000267	0.002136
hsa-miR-330-3p	-1.0071	-3.92363	0.000285	0.002259
hsa-miR-923_v12.0	-1.2609	-3.8928	0.000314	0.002446
hsa-miR-148a	1.063128	3.844739	0.000364	0.002794
hsa-miR-16	1.5086	3.829911	0.000381	0.002856
hsa-miR-1202	1.822309	3.80522	0.000411	0.003058
hsa-miR-601	1.233822	3.702627	0.000563	0.00403
hsa-miR-126	1.352676	3.637191	0.000687	0.004806
hsa-let-7f	1.481423	3.479639	0.001099	0.007423
hsa-miR-1909	1.338013	3.433346	0.00126	0.008333
hsa-miR-1180	1.293476	3.376996	0.001486	0.009628
hsa-miR-134	1.340692	3.086946	0.003398	0.019397
hcmv-miR-UL70-3p	1.177634	2.999457	0.004328	0.023994
hsa-miR-18a	1.0813	2.904305	0.005608	0.029712
hsa-miR-494	-1.10888	-2.89527	0.005746	0.030278
hsa-miR-1826	-1.33644	-2.88596	0.005892	0.030708
hsa-miR-552	1.033184	2.822635	0.006978	0.035598
hsa-miR-99b	1.320202	2.786494	0.007679	0.038964

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hsa-miR-574-5p	1.116018	2.763357	0.008161	0.040764
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MiRNA: microRNA.

**Supplementary Table 4 Intersected mRNAs of differentially expressed and predicted mRNAs**

<b>Number</b>	<b>ID</b>
1	<i>GCG</i>
2	<i>SST</i>
3	<i>INSL5</i>
4	<i>FGL2</i>
5	<i>CD36</i>
6	<i>C16orf89</i>
7	<i>GPR34</i>
8	<i>MACC1</i>
9	<i>LRRC10B</i>
10	<i>NFE2L3</i>
11	<i>CLDN1</i>
12	<i>MS4A7</i>
13	<i>CLDN8</i>
14	<i>F13A1</i>
15	<i>HAPLN1</i>
16	<i>CHGB</i>
17	<i>ST6GALNAC6</i>
18	<i>LRRC19</i>
19	<i>ETV4</i>
20	<i>SCG2</i>
21	<i>AZGP1</i>
22	<i>TRAF3IP3</i>
23	<i>GLDN</i>
24	<i>CXCL3</i>
25	<i>ADH1A</i>
26	<i>DES</i>

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27	<i>C1QA</i>
28	<i>CA2</i>
29	<i>KCNJ14</i>
30	<i>RNF43</i>
31	<i>CFHR3</i>
32	<i>AQP8</i>
33	<i>SPARCL1</i>
34	<i>TNS4</i>
35	<i>MS4A12</i>
36	<i>CD69</i>
37	<i>S100A2</i>
38	<i>FRMD5</i>
39	<i>TCN1</i>
40	<i>PDE6A</i>
41	<i>FAM193B</i>
42	<i>PLA2G7</i>
43	<i>TMEM220</i>
44	<i>PHLDA1</i>
45	<i>SLC26A3</i>
46	<i>RPA4</i>
47	<i>CABP7</i>
48	<i>MZB1</i>
49	<i>STC2</i>
50	<i>HPGD</i>
51	<i>BCAS1</i>
52	<i>TCF21</i>
53	<i>MMP3</i>
54	<i>PRSS22</i>
55	<i>GABRE</i>

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56	<i>CLDN23</i>
57	<i>ITLN1</i>
58	<i>KRT6C</i>
59	<i>TGFBI</i>
60	<i>EPHB3</i>
61	<i>SLC45A4</i>
62	<i>MFAP4</i>
63	<i>NKD1</i>
64	<i>FRMD3</i>
65	<i>SRPX2</i>
66	<i>KRT6A</i>
67	<i>TEX12</i>
68	<i>TRPM2</i>
69	<i>PAX6</i>
70	<i>DCAF4L2</i>
71	<i>APOLD1</i>
72	<i>SLCO1B3</i>
73	<i>DSG3</i>
74	<i>EREG</i>
75	<i>DHRS9</i>
76	<i>POSTN</i>
77	<i>FREM1</i>

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**Supplementary Table 5 Differentially expressed mRNAs in GSE41657 dataset**

<b>ID</b>	<b>logFC</b>	<b>t</b>	<b>P value</b>	<b>Adjusted P value</b>
<i>PYY</i>	-2.60769	-24.2498	6.06E-25	5.65E-21
<i>GCG</i>	-6.24298	-17.8401	3.20E-20	1.49E-16
<i>SST</i>	-4.08152	-16.748	2.78E-19	6.48E-16
<i>INSL5</i>	-6.04834	-15.7038	2.44E-18	4.18E-15
<i>CHGA</i>	-2.53935	-15.5863	3.14E-18	4.18E-15
<i>ABCA8</i>	-2.39585	-15.1831	7.51E-18	8.74E-15
<i>FGL2</i>	-2.35607	-15.1102	8.80E-18	9.11E-15
<i>GUCA2B</i>	-5.11047	-14.7814	1.82E-17	1.70E-14
<i>AMPD1</i>	-4.05855	-14.7224	2.08E-17	1.76E-14
<i>BEX1</i>	-2.48635	-14.4357	3.95E-17	2.83E-14
<i>CD36</i>	-2.08328	-14.1016	8.47E-17	5.26E-14
<i>C16orf89</i>	-2.64258	-14.0442	9.67E-17	5.48E-14
<i>CTSG</i>	-2.22255	-13.7136	2.09E-16	9.72E-14
<i>GPR34</i>	-2.53615	-13.4614	3.78E-16	1.60E-13
<i>GUCA2A</i>	-4.33564	-13.3156	5.35E-16	2.17E-13
<i>ADAMDEC1</i>	-4.79291	-13.2477	6.30E-16	2.44E-13
<i>MACC1</i>	2.175101	13.05852	9.93E-16	3.70E-13
<i>DUSP26</i>	-2.57707	-12.9693	1.23E-15	4.25E-13
<i>LRRC10B</i>	3.300394	12.92833	1.36E-15	4.53E-13
<i>NFE2L3</i>	2.874244	12.87353	1.56E-15	4.85E-13
<i>CLDN1</i>	3.844502	12.85042	1.65E-15	4.85E-13
<i>MS4A7</i>	-2.06841	-12.846	1.67E-15	4.85E-13
<i>CLDN8</i>	-5.24195	-12.6436	2.74E-15	7.73E-13
<i>SLCO4A1</i>	3.831563	12.61173	2.96E-15	8.12E-13
<i>CRYBA2</i>	-2.37782	-12.4614	4.30E-15	1.15E-12
<i>CCR2</i>	-2.00555	-12.4499	4.43E-15	1.15E-12

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<i>TNFRSF17</i>	-3.25561	-12.3367	5.88E-15	1.48E-12
<i>DNASE1L3</i>	-3.29921	-12.3195	6.14E-15	1.51E-12
<i>F13A1</i>	-2.06221	-11.9673	1.50E-14	3.49E-12
<i>HAPLN1</i>	-2.21192	-11.9223	1.68E-14	3.73E-12
<i>CA1</i>	-6.50043	-11.9217	1.68E-14	3.73E-12
<i>ABCC1</i>	2.203757	11.82224	2.17E-14	4.71E-12
<i>CLEC3B</i>	-3.09888	-11.7301	2.75E-14	5.59E-12
<i>CHGB</i>	-2.20619	-11.6162	3.70E-14	6.90E-12
<i>RNF152</i>	-2.03936	-11.3717	7.01E-14	1.13E-11
<i>MMP7</i>	5.294904	11.32223	7.99E-14	1.26E-11
<i>LOC100507056</i>	2.684586	11.28435	8.83E-14	1.35E-11
<i>KIAA1199</i>	2.906584	11.12022	1.36E-13	1.96E-11
<i>MT1JP</i>	-2.60909	-10.9217	2.32E-13	3.04E-11
<i>ASCL2</i>	2.789455	10.74906	3.70E-13	4.72E-11
<i>GDF15</i>	2.53153	10.66843	4.60E-13	5.50E-11
<i>CD48</i>	-2.8343	-10.6291	5.12E-13	5.89E-11
<i>TEX11</i>	-3.7454	-10.6201	5.25E-13	5.96E-11
<i>SLAMF7</i>	-2.39001	-10.5938	5.64E-13	6.26E-11
<i>ST6GALNAC6</i>	-3.37182	-10.547	6.41E-13	7.03E-11
<i>CD53</i>	-2.25698	-10.4214	9.05E-13	9.27E-11
<i>CD163L1</i>	-2.41706	-10.3591	1.07E-12	1.05E-10
<i>SYNC</i>	-2.05235	-10.3525	1.09E-12	1.06E-10
<i>C21orf88</i>	-3.17766	-10.2251	1.56E-12	1.44E-10
<i>LRRC19</i>	-2.50472	-10.1433	1.96E-12	1.74E-10
<i>ETV4</i>	2.547752	10.10363	2.18E-12	1.90E-10
<i>SCG2</i>	-3.52623	-9.98849	3.02E-12	2.51E-10
<i>BEST2</i>	-2.3158	-9.9839	3.06E-12	2.52E-10
<i>FUT1</i>	2.975873	9.966592	3.21E-12	2.58E-10
<i>AMICA1</i>	-2.5426	-9.95371	3.33E-12	2.65E-10

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<i>LOC100506542</i>	-3.45874	-9.85074	4.45E-12	3.45E-10
<i>ZAK</i>	2.215807	9.825039	4.78E-12	3.62E-10
<i>P2RY14</i>	-2.51401	-9.81589	4.91E-12	3.69E-10
<i>TYROBP</i>	-2.2656	-9.77232	5.55E-12	4.05E-10
<i>ARHGAP15</i>	-2.17499	-9.77168	5.56E-12	4.05E-10
<i>AZGP1</i>	3.19672	9.715989	6.52E-12	4.56E-10
<i>TRIB3</i>	2.512053	9.682005	7.18E-12	4.88E-10
<i>IGSF6</i>	-2.32693	-9.63323	8.25E-12	5.49E-10
<i>ITGA2</i>	2.004043	9.572065	9.83E-12	6.32E-10
<i>CD177</i>	-4.09017	-9.51721	1.15E-11	7.24E-10
<i>MS4A4A</i>	-2.81167	-9.49259	1.23E-11	7.62E-10
<i>TRAF3IP3</i>	-2.14535	-9.47379	1.30E-11	7.88E-10
<i>APOE</i>	-2.60076	-9.33195	1.96E-11	1.11E-09
<i>DPEP1</i>	3.609159	9.325573	2.00E-11	1.11E-09
<i>SMPDL3A</i>	-2.77246	-9.29249	2.20E-11	1.21E-09
<i>GLDN</i>	-2.287	-9.28513	2.25E-11	1.22E-09
<i>VSIG2</i>	-2.9102	-9.26372	2.39E-11	1.28E-09
<i>IFITM1</i>	2.514226	9.227611	2.65E-11	1.39E-09
<i>CXCL3</i>	2.956117	9.210594	2.79E-11	1.44E-09
<i>FAM151A</i>	-2.63661	-9.18937	2.97E-11	1.52E-09
<i>ADH1A</i>	-2.71916	-9.13072	3.52E-11	1.74E-09
<i>DES</i>	-3.12016	-9.10828	3.76E-11	1.85E-09
<i>C1QA</i>	-2.83259	-9.03096	4.71E-11	2.24E-09
<i>CA2</i>	-2.64322	-9.02603	4.78E-11	2.26E-09
<i>SPINK2</i>	-3.44878	-8.96274	5.76E-11	2.60E-09
<i>SPINK5</i>	-3.40049	-8.9392	6.17E-11	2.75E-09
<i>ADH1C</i>	-3.53787	-8.89354	7.06E-11	3.06E-09
<i>MFSD4</i>	-3.31212	-8.79638	9.40E-11	3.94E-09
<i>KCNJ14</i>	2.156413	8.757939	1.05E-10	4.27E-09

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<i>RNF43</i>	2.225997	8.717873	1.19E-10	4.69E-09
<i>TNFRSF12A</i>	2.206508	8.71776	1.19E-10	4.69E-09
<i>CFHR3</i>	-2.73176	-8.70503	1.23E-10	4.79E-09
<i>CWH43</i>	-4.10266	-8.64961	1.45E-10	5.48E-09
<i>IRX5</i>	2.9741	8.644959	1.47E-10	5.54E-09
<i>KLRB1</i>	-2.36825	-8.55577	1.92E-10	7.02E-09
<i>CXCL2</i>	3.218806	8.53254	2.06E-10	7.33E-09
<i>IGJ</i>	-3.76343	-8.52708	2.10E-10	7.42E-09
<i>AQP8</i>	-4.14667	-8.49237	2.33E-10	8.11E-09
<i>IFITM4P</i>	2.345403	8.465497	2.52E-10	8.54E-09
<i>TPSAB1</i>	-2.51829	-8.44997	2.64E-10	8.85E-09
<i>SCGB2A1</i>	-3.52556	-8.44984	2.64E-10	8.85E-09
<i>C2orf88</i>	-3.12369	-8.44081	2.71E-10	9.00E-09
<i>IL8</i>	4.06067	8.438001	2.74E-10	9.04E-09
<i>IL1R2</i>	-3.1817	-8.4036	3.04E-10	9.85E-09
<i>PKIB</i>	-4.04397	-8.38778	3.18E-10	1.03E-08
<i>TNFRSF13B</i>	-2.00154	-8.34542	3.62E-10	1.14E-08
<i>IFITM3</i>	2.099184	8.337899	3.70E-10	1.16E-08
<i>SAMSN1</i>	-2.05913	-8.32945	3.79E-10	1.19E-08
<i>SULT2B1</i>	2.773291	8.31887	3.92E-10	1.22E-08
<i>CD86</i>	2.046381	8.308978	4.04E-10	1.25E-08
<i>TSPAN7</i>	-2.13185	-8.29076	4.26E-10	1.29E-08
<i>SPARCL1</i>	-2.36949	-8.23836	5.00E-10	1.47E-08
<i>ARL14</i>	-2.55809	-8.23313	5.07E-10	1.48E-08
<i>TARP</i>	-2.6037	-8.22957	5.13E-10	1.49E-08
<i>TNS4</i>	3.239541	8.191304	5.76E-10	1.64E-08
<i>LOC100287723</i>	-3.60234	-8.16494	6.24E-10	1.76E-08
<i>LRRC2</i>	2.357431	8.150317	6.52E-10	1.83E-08
<i>CA9</i>	4.47902	8.086949	7.91E-10	2.17E-08

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<i>MS4A12</i>	-3.82202	-8.0564	8.68E-10	2.33E-08
<i>CD69</i>	-2.07205	-8.02639	9.51E-10	2.53E-08
<i>S100A2</i>	2.879104	8.023975	9.58E-10	2.54E-08
<i>FRMD5</i>	2.036614	8.012336	9.92E-10	2.61E-08
<i>C1QB</i>	-2.45631	-8.00075	1.03E-09	2.70E-08
<i>CFH</i>	-2.66564	-7.9706	1.13E-09	2.92E-08
<i>TCN1</i>	3.448112	7.967722	1.14E-09	2.93E-08
<i>RECQL4</i>	2.185712	7.966751	1.14E-09	2.93E-08
<i>TNFRSF6B</i>	3.852297	7.962971	1.15E-09	2.94E-08
<i>NDN</i>	-2.1561	-7.94907	1.20E-09	3.05E-08
<i>TESC</i>	3.532625	7.938332	1.24E-09	3.11E-08
<i>GIMAP7</i>	-2.35957	-7.92036	1.31E-09	3.27E-08
<i>LOC730102</i>	2.082491	7.900816	1.40E-09	3.42E-08
<i>PDE6A</i>	-3.16927	-7.88606	1.46E-09	3.54E-08
<i>TMPRSS3</i>	2.526952	7.866732	1.55E-09	3.71E-08
<i>LOC642838</i>	-4.13289	-7.83047	1.73E-09	4.07E-08
<i>ABCG2</i>	-2.11823	-7.79349	1.94E-09	4.42E-08
<i>FAM193B</i>	2.183512	7.778892	2.03E-09	4.56E-08
<i>LDHD</i>	-2.72746	-7.76998	2.08E-09	4.66E-08
<i>DAO</i>	-2.78647	-7.67011	2.83E-09	6.06E-08
<i>PLA2G7</i>	-2.08126	-7.66848	2.85E-09	6.07E-08
<i>TMEM220</i>	-2.31946	-7.66177	2.91E-09	6.19E-08
<i>PPAP2A</i>	-2.13932	-7.64971	3.02E-09	6.35E-08
<i>CXCL1</i>	3.311161	7.636897	3.14E-09	6.57E-08
<i>PPM1F</i>	2.004097	7.635053	3.16E-09	6.60E-08
<i>HIST1H2BA</i>	2.323463	7.616803	3.34E-09	6.92E-08
<i>MYH11</i>	-3.30152	-7.61238	3.39E-09	7.00E-08
<i>PHLDA1</i>	2.170517	7.60255	3.49E-09	7.16E-08
<i>VPS18</i>	3.314675	7.600627	3.51E-09	7.19E-08

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<i>KIF5C</i>	-2.42593	-7.58813	3.65E-09	7.39E-08
<i>CCL18</i>	-3.8523	-7.58258	3.71E-09	7.51E-08
<i>APOBEC1</i>	2.627199	7.53961	4.24E-09	8.37E-08
<i>PPP6R1</i>	2.555809	7.510248	4.65E-09	9.09E-08
<i>SLC26A3</i>	-3.60534	-7.50602	4.71E-09	9.17E-08
<i>RPA4</i>	4.620074	7.487402	4.99E-09	9.62E-08
<i>CARD14</i>	2.126564	7.394005	6.66E-09	1.23E-07
<i>CABP7</i>	4.949864	7.377645	7.01E-09	1.27E-07
<i>FABP6</i>	4.356063	7.34626	7.73E-09	1.39E-07
<i>EFEMP1</i>	-3.26136	-7.34119	7.85E-09	1.40E-07
<i>HEPACAM2</i>	-3.34818	-7.33815	7.93E-09	1.42E-07
<i>CGREF1</i>	2.401655	7.229786	1.11E-08	1.89E-07
<i>NEURL</i>	-2.00349	-7.21095	1.18E-08	1.99E-07
<i>RBM22</i>	2.498628	7.209935	1.18E-08	1.99E-07
<i>CD52</i>	-2.23363	-7.20934	1.18E-08	1.99E-07
<i>CPM</i>	-2.6843	-7.17144	1.33E-08	2.22E-07
<i>MT1M</i>	-3.02563	-7.15688	1.40E-08	2.31E-07
<i>LOC100652730</i>	3.678281	7.080334	1.77E-08	2.82E-07
<i>FABP2</i>	-2.34149	-7.07511	1.80E-08	2.86E-07
<i>SI</i>	-2.69735	-7.03701	2.03E-08	3.16E-07
<i>MZB1</i>	-2.63253	-7.03217	2.06E-08	3.18E-07
<i>STC2</i>	3.834359	7.026145	2.10E-08	3.21E-07
<i>PCK1</i>	-2.05121	-6.96735	2.53E-08	3.76E-07
<i>HPGD</i>	-2.65274	-6.94783	2.69E-08	3.97E-07
<i>POU2AF1</i>	-2.96527	-6.88651	3.26E-08	4.66E-07
<i>LOC389043</i>	3.84564	6.853028	3.62E-08	5.09E-07
<i>BCAS1</i>	-2.46618	-6.80756	4.18E-08	5.74E-07
<i>CCL5</i>	-2.10423	-6.79606	4.34E-08	5.91E-07
<i>SPERT</i>	2.931046	6.79282	4.38E-08	5.95E-07

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<i>IGHA1</i>	-2.36691	-6.77077	4.70E-08	6.31E-07
<i>TCF21</i>	-2.04037	-6.71779	5.55E-08	7.28E-07
<i>MMP3</i>	4.787029	6.674206	6.37E-08	8.12E-07
<i>GDPD2</i>	-2.10279	-6.64574	6.97E-08	8.77E-07
<i>LOC389023</i>	-3.02198	-6.63078	7.31E-08	9.06E-07
<i>ENTPD8</i>	-2.24042	-6.6148	7.68E-08	9.47E-07
<i>SLC28A2</i>	-2.29682	-6.58128	8.54E-08	1.04E-06
<i>CCL19</i>	-2.00568	-6.56589	8.97E-08	1.09E-06
<i>PRSS22</i>	2.057309	6.528984	1.01E-07	1.20E-06
<i>SDCBP2</i>	-2.09644	-6.5017	1.10E-07	1.29E-06
<i>SULT1B1</i>	-2.19487	-6.47178	1.21E-07	1.40E-06
<i>KLK10</i>	3.588206	6.461001	1.25E-07	1.44E-06
<i>CLCA4</i>	-3.76633	-6.45894	1.26E-07	1.44E-06
<i>GABRE</i>	2.055782	6.438302	1.34E-07	1.53E-06
<i>FAM55D</i>	-3.58979	-6.41141	1.46E-07	1.64E-06
<i>SCIN</i>	-2.41831	-6.37125	1.66E-07	1.84E-06
<i>ZG16</i>	-4.67573	-6.36212	1.71E-07	1.88E-06
<i>FSIP1</i>	-2.62504	-6.32164	1.95E-07	2.10E-06
<i>CLDN23</i>	-2.14617	-6.29099	2.14E-07	2.27E-06
<i>CDKN2B</i>	-2.40069	-6.28722	2.17E-07	2.30E-06
<i>CA4</i>	-4.02998	-6.28394	2.19E-07	2.32E-06
<i>CHP2</i>	-3.36973	-6.27677	2.24E-07	2.35E-06
<i>RARRES2</i>	-2.9515	-6.24801	2.46E-07	2.56E-06
<i>ANGPTL4</i>	2.07173	6.22721	2.63E-07	2.68E-06
<i>PLAC8</i>	-2.61876	-6.22569	2.64E-07	2.68E-06
<i>SLC26A2</i>	-2.6999	-6.22263	2.66E-07	2.70E-06
<i>ATXN3L</i>	4.464027	6.214406	2.74E-07	2.76E-06
<i>IGLL1</i>	-2.4704	-6.15813	3.27E-07	3.22E-06
<i>INHBA</i>	3.033993	6.114447	3.76E-07	3.63E-06

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<i>BTNL3</i>	-2.58884	-6.10721	3.85E-07	3.69E-06
<i>RHBDL2</i>	-2.0797	-6.0976	3.96E-07	3.79E-06
<i>CFB</i>	2.121841	6.093024	4.02E-07	3.84E-06
<i>ITM2A</i>	-2.43099	-6.03255	4.88E-07	4.54E-06
<i>ITLN1</i>	-4.94907	-6.0162	5.14E-07	4.75E-06
<i>KRT6C</i>	2.72533	5.985901	5.66E-07	5.13E-06
<i>LEMD1</i>	2.62959	5.976191	5.83E-07	5.25E-06
<i>TGFBI</i>	2.070975	5.901793	7.39E-07	6.44E-06
<i>SEPP1</i>	-2.76412	-5.89616	7.52E-07	6.53E-06
<i>EPHB3</i>	2.014877	5.870042	8.18E-07	7.03E-06
<i>CGB1</i>	4.216098	5.836606	9.09E-07	7.72E-06
<i>LOC100507520</i>	3.348044	5.811648	9.84E-07	8.27E-06
<i>SLC45A4</i>	3.086814	5.809398	9.92E-07	8.32E-06
<i>MFAP4</i>	-3.32037	-5.80206	1.01E-06	8.48E-06
<i>UCA1</i>	2.287229	5.773979	1.11E-06	9.14E-06
<i>C13orf30</i>	2.470714	5.77367	1.11E-06	9.14E-06
<i>NKD1</i>	2.379105	5.763278	1.15E-06	9.39E-06
<i>RGS13</i>	-2.4349	-5.72133	1.31E-06	1.05E-05
<i>WFDC2</i>	-2.40185	-5.71393	1.34E-06	1.06E-05
<i>LOC646627</i>	-4.21574	-5.70264	1.39E-06	1.09E-05
<i>TDGF1P3</i>	2.221843	5.678909	1.50E-06	1.17E-05
<i>MMP1</i>	3.658744	5.662534	1.58E-06	1.22E-05
<i>HSD17B2</i>	-2.56901	-5.64781	1.66E-06	1.27E-05
<i>FRMD3</i>	-2.08588	-5.58388	2.03E-06	1.51E-05
<i>XAGE-4</i>	3.521449	5.559704	2.19E-06	1.61E-05
<i>CHST5</i>	-2.34401	-5.55259	2.24E-06	1.65E-05
<i>KRT6B</i>	2.213555	5.551169	2.25E-06	1.65E-05
<i>SAA1</i>	3.944322	5.539484	2.34E-06	1.71E-05
<i>HLA-DPB1</i>	-2.16784	-5.50871	2.58E-06	1.85E-05

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<i>ALDOB</i>	2.601554	5.425863	3.35E-06	2.29E-05
<i>SRPX2</i>	2.750345	5.399727	3.64E-06	2.46E-05
<i>KRT6A</i>	2.266336	5.267515	5.53E-06	3.50E-05
<i>ACTG2</i>	-2.57845	-5.23057	6.22E-06	3.86E-05
<i>TEX12</i>	2.503897	5.210614	6.63E-06	4.08E-05
<i>ZCCHC13</i>	2.495535	5.185157	7.18E-06	4.36E-05
<i>LOC100652818</i>	-2.09226	-5.10853	9.14E-06	5.34E-05
<i>PABPC3</i>	2.058913	5.062831	1.06E-05	6.05E-05
<i>KRT17</i>	2.364773	5.028431	1.18E-05	6.67E-05
<i>BTNL8</i>	-3.3778	-5.00008	1.29E-05	7.21E-05
<i>REG1A</i>	4.278299	4.99976	1.29E-05	7.21E-05
<i>TRPM2</i>	2.066079	4.990292	1.33E-05	7.40E-05
<i>CXCL13</i>	-2.188	-4.96509	1.44E-05	7.89E-05
<i>AKR1B10</i>	-2.61398	-4.95144	1.50E-05	8.19E-05
<i>MYADML2</i>	2.44866	4.940798	1.55E-05	8.42E-05
<i>WISP3</i>	2.182398	4.876421	1.89E-05	0.000101
<i>KLK8</i>	3.707008	4.871444	1.92E-05	0.000102
<i>FAM3B</i>	2.921427	4.848913	2.07E-05	0.000108
<i>PAX6</i>	2.153422	4.734953	2.95E-05	0.000145
<i>DCAF4L2</i>	2.229556	4.703072	3.25E-05	0.000158
<i>APOLD1</i>	2.687298	4.621946	4.18E-05	0.000195
<i>SLCO1B3</i>	2.313959	4.515932	5.81E-05	0.000259
<i>DSG3</i>	2.430798	4.507037	5.97E-05	0.000266
<i>CFD</i>	-2.20781	-4.48269	6.43E-05	0.000284
<i>KRT23</i>	2.942863	4.448576	7.14E-05	0.000309
<i>LAIR2</i>	2.490637	4.354567	9.52E-05	0.000397
<i>SAA4</i>	2.015945	4.279433	0.00012	0.000485
<i>LCN2</i>	2.297859	4.25216	0.00013	0.000522
<i>LOC100506865</i>	2.814025	4.182855	0.00016	0.000626

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<i>REG3A</i>	2.745043	4.149629	0.000177	0.000683
<i>EREG</i>	2.260705	4.054462	0.000236	0.000872
<i>DHRS9</i>	-2.10696	-3.9901	0.000286	0.001029
<i>MMP11</i>	2.119324	3.988622	0.000287	0.001032
<i>S100A9</i>	2.150053	3.961076	0.000312	0.001105
<i>POSTN</i>	-2.06746	-3.95958	0.000313	0.00111
<i>FREM1</i>	2.58541	3.15415	0.003116	0.008092
<i>DEFA6</i>	2.43164	2.89494	0.006214	0.014745
<i>CKMT2</i>	2.201429	2.455359	0.018693	0.038003

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