

Transcriptomic insight into the translational value of two murine models in human atopic dermatitis

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Supplementary_Table_S1

Supplementary Table S1. The genes upregulated in the CHS samples compared with the VT controls

Gene	logFC	logCPM	LR	PValue	FDR
<i>Lpo</i>	6.8907	5.1203	782.6235	3.2365E-172	7.0655E-168
<i>Gk</i>	3.3754	5.8172	606.7256	5.7669E-134	6.2949E-130
<i>Stfa2</i>	6.6995	6.4030	533.1258	5.9008E-118	4.294E-114
<i>Klk6</i>	5.3019	8.8230	513.7003	9.9343E-114	5.4219E-110
<i>Slc5a8</i>	2.7303	5.9622	459.6439	5.7463E-102	2.50896E-98
<i>Sprr2f</i>	5.4802	4.9058	357.3950	1.03949E-79	3.7822E-76
<i>Sprr2a1</i>	4.9062	5.3165	352.0379	1.52534E-78	4.75711E-75
<i>Lce3f</i>	7.5007	3.5000	339.9123	6.66748E-76	1.81947E-72
<i>Serpinb11</i>	4.4976	4.8124	328.9507	1.62681E-73	3.94611E-70
<i>Tcf23</i>	7.6751	4.3653	321.8869	5.62204E-72	1.22735E-68
<i>Slpi</i>	5.7019	6.0873	305.3014	2.30577E-68	4.57611E-65
<i>Sprr2d</i>	5.8732	8.0865	297.0386	1.45536E-66	2.64766E-63
<i>Rptn</i>	7.0508	10.1947	287.9160	1.41462E-64	2.37559E-61
<i>Sprr2a2</i>	6.2388	11.6373	278.7670	1.39411E-62	2.17392E-59
<i>Sprr2a3</i>	6.4293	6.9259	275.3664	7.68022E-62	1.11778E-58
<i>Ehf</i>	2.1065	6.6961	255.5977	1.56366E-57	2.13352E-54
<i>Smox</i>	2.3627	6.6902	242.8275	9.51022E-55	1.22128E-51
<i>Sprr2e</i>	6.2158	6.2135	233.1604	1.21938E-52	1.47891E-49
<i>Slc5a1</i>	2.0937	6.8120	229.0461	9.62446E-52	1.10585E-48
<i>Sox7</i>	2.2338	5.1398	220.7417	6.23163E-50	6.80214E-47
<i>Lce3d</i>	5.7038	4.9117	219.3845	1.23211E-49	1.28087E-46
<i>Lce3a</i>	6.2337	3.6853	216.3661	5.61132E-49	5.56821E-46
<i>Galnt6</i>	3.1818	5.8326	215.2998	9.58674E-49	9.09948E-46
<i>Stfa3</i>	6.6862	8.5916	214.3347	1.55672E-48	1.36327E-45
<i>Lce3b</i>	6.8055	4.0825	214.3290	1.56116E-48	1.36327E-45
<i>Slc28a3</i>	1.8405	5.6853	213.8771	1.95901E-48	1.64489E-45
<i>2610528A11Rik</i>	6.6274	6.2106	211.8733	5.36018E-48	4.33401E-45
<i>Serpinb3a</i>	4.7753	5.3240	208.3895	3.08481E-47	2.40516E-44
<i>Lce3e</i>	6.4650	4.1036	205.5184	1.30518E-46	9.8253E-44
<i>Sprr2b</i>	7.7949	5.7286	204.8769	1.80153E-46	1.31097E-43
<i>Chil1</i>	4.4002	9.2985	191.2278	1.71525E-43	1.20792E-40
<i>Sprr2h</i>	4.8230	7.5693	190.8326	2.09221E-43	1.42734E-40
<i>Il1f6</i>	3.2371	6.5816	188.0866	8.31769E-43	5.50253E-40
<i>Pla2g4e</i>	3.0696	6.3300	185.8925	2.50586E-42	1.60898E-39
<i>Elf3</i>	2.9536	3.2794	184.6513	4.67644E-42	2.9169E-39
<i>Scnn1b</i>	1.9060	4.5482	183.9944	6.50613E-42	3.94543E-39
<i>Plbd1</i>	1.7030	7.7224	179.8576	5.20615E-41	3.07177E-38
<i>Defb3</i>	7.7359	4.3116	176.6792	2.57346E-40	1.47845E-37
<i>2310046K23Rik</i>	1.8591	9.7824	174.1545	9.15899E-40	5.12692E-37
<i>Il1f9</i>	1.8474	7.8063	171.8122	2.97417E-39	1.62323E-36
<i>Ammecr1</i>	1.7548	5.7906	170.9190	4.66064E-39	2.48162E-36
<i>Slc26a9</i>	2.7700	5.2294	168.6780	1.43852E-38	7.47723E-36
<i>Il1f8</i>	2.1833	6.5076	166.8497	3.6079E-38	1.83172E-35
<i>Slc37a2</i>	2.3621	7.1127	166.2590	4.85614E-38	2.40942E-35
<i>Sprr2i</i>	6.2566	5.7352	164.3026	1.29912E-37	6.30247E-35
<i>Il1a</i>	1.9904	6.3080	163.7304	1.73243E-37	8.22186E-35
<i>Ankk1</i>	6.6191	2.3953	163.2716	2.18213E-37	1.01358E-34
<i>Gm5416</i>	7.6192	3.6149	159.3098	1.6012E-36	7.28247E-34
<i>Ptges</i>	1.9700	7.5167	157.5843	3.81481E-36	1.69961E-33
<i>BC100530</i>	7.0442	9.7929	155.7815	9.44941E-36	4.1258E-33
<i>Klk9</i>	2.7708	7.9433	154.3417	1.95012E-35	8.34767E-33
<i>Pinlyp</i>	3.5299	5.1431	154.0588	2.2484E-35	9.43939E-33
<i>Tgm5</i>	2.2852	5.9994	153.9487	2.37652E-35	9.78903E-33
<i>Padi1</i>	4.2829	3.0512	152.9619	3.90484E-35	1.57864E-32
<i>Ckap4</i>	1.6283	6.7008	150.6287	1.26343E-34	5.01488E-32
<i>Lce3c</i>	4.5513	5.2115	150.5763	1.29716E-34	5.05682E-32

Supplementary_Table_S1

<i>Psors1c2</i>	1.9652	6.5775	150.3056	1.48646E-34	5.69313E-32
<i>Car12</i>	1.9988	7.2012	149.9628	1.76643E-34	6.64877E-32
<i>Prss27</i>	2.9447	5.9031	149.7026	2.0136E-34	7.45065E-32
<i>Klk13</i>	5.7758	7.1950	149.1228	2.69586E-34	9.8089E-32
<i>Mab21l3</i>	2.0274	4.0422	147.6564	5.63961E-34	2.01833E-31
<i>Gm9774</i>	5.1028	2.4088	146.8054	8.65513E-34	3.04758E-31
<i>Slc34a2</i>	2.2912	6.4256	146.2164	1.16423E-33	4.03433E-31
<i>Ero1l</i>	1.4172	5.9532	146.1765	1.18781E-33	4.05173E-31
<i>Endou</i>	2.8400	8.4750	145.2690	1.87565E-33	6.2996E-31
<i>Plet1</i>	1.8047	6.6140	144.8012	2.37367E-33	7.85144E-31
<i>Krt16</i>	6.5994	11.7948	144.4335	2.85641E-33	9.30722E-31
<i>Gjb2</i>	5.9404	8.7512	143.5056	4.55709E-33	1.46303E-30
<i>Rbp2</i>	3.3094	6.3650	143.0926	5.61014E-33	1.775E-30
<i>BC117090</i>	7.3289	2.8086	142.9497	6.02875E-33	1.8802E-30
<i>Pde12</i>	1.4047	6.3567	140.9050	1.68775E-32	5.18946E-30
<i>Trim62</i>	1.3397	5.5864	140.0092	2.64977E-32	8.03432E-30
<i>Cers3</i>	1.5684	6.9671	139.2751	3.83469E-32	1.14678E-29
<i>Teddm3</i>	2.1390	8.0080	138.7450	5.00796E-32	1.47742E-29
<i>Krt84</i>	4.6249	4.1070	138.6131	5.35188E-32	1.55782E-29
<i>Prss22</i>	2.0586	4.5903	137.3833	9.94191E-32	2.85581E-29
<i>Tnc</i>	3.4341	6.2747	133.0244	8.93068E-31	2.53202E-28
<i>Gsdmc</i>	4.2394	7.1631	131.0679	2.39281E-30	6.6971E-28
<i>Cdhr1</i>	6.0071	2.7155	130.3721	3.39739E-30	9.38842E-28
<i>Nfe2l3</i>	1.3409	5.4349	127.2308	1.65374E-29	4.51286E-27
<i>Krt6a</i>	6.3512	11.4772	126.8060	2.04852E-29	5.52113E-27
<i>Aldh3b3</i>	2.9951	3.8493	126.7040	2.15651E-29	5.74131E-27
<i>Cnfn</i>	1.9202	9.0961	125.8919	3.2469E-29	8.54014E-27
<i>Gsdma</i>	1.5381	7.9815	125.7907	3.41691E-29	8.88032E-27
<i>Fchsd1</i>	1.6489	5.4195	123.1688	1.28078E-28	3.28949E-26
<i>Il1f5</i>	1.9899	8.8280	122.8794	1.48188E-28	3.76174E-26
<i>Shb</i>	1.4140	5.0366	122.2354	2.05014E-28	5.14443E-26
<i>Tprg</i>	1.3057	5.9334	121.6473	2.75755E-28	6.84091E-26
<i>Gjb6</i>	5.2746	5.6779	120.9346	3.9494E-28	9.68757E-26
<i>Sprr1b</i>	5.7275	9.3239	120.7983	4.2302E-28	1.02611E-25
<i>Aox4</i>	3.7595	3.2613	119.7190	7.28885E-28	1.7486E-25
<i>Degs2</i>	4.6156	5.4798	119.5903	7.77719E-28	1.84548E-25
<i>Glrx</i>	2.5863	8.3851	119.3864	8.6191E-28	2.02113E-25
<i>Fxyd4</i>	3.4219	2.2976	119.3673	8.70261E-28	2.02113E-25
<i>Slc7a11</i>	3.3149	5.2285	119.3212	8.90715E-28	2.04686E-25
<i>Tmem50b</i>	1.2120	6.2356	118.3784	1.4327E-27	3.25806E-25
<i>Sdr9c7</i>	1.4910	7.6725	118.1087	1.64142E-27	3.69421E-25
<i>Ttc22</i>	2.1051	5.4250	117.8331	1.88607E-27	4.20151E-25
<i>Degs1</i>	1.5568	7.9627	117.2856	2.4857E-27	5.48134E-25
<i>S100a9</i>	5.7116	8.9635	115.6328	5.71982E-27	1.24869E-24
<i>Ckmt1</i>	1.4535	7.9281	115.1575	7.2689E-27	1.57116E-24
<i>Vstm5</i>	1.5704	5.0252	114.6264	9.50123E-27	2.03354E-24
<i>Scnn1a</i>	1.3319	6.5431	113.8322	1.41817E-26	3.00583E-24
<i>Bcl3</i>	2.2080	4.6758	113.0094	2.14753E-26	4.50796E-24
<i>Olah</i>	5.0722	1.1573	112.2295	3.18258E-26	6.61703E-24
<i>Itgb8</i>	2.0030	3.7911	112.0403	3.50115E-26	7.21072E-24
<i>Oit1</i>	8.5530	1.0351	111.8970	3.76363E-26	7.67886E-24
<i>Trex2</i>	2.3242	7.3805	111.6183	4.33175E-26	8.75615E-24
<i>Krt90</i>	5.0287	1.1214	110.0482	9.56373E-26	1.91547E-23
<i>Flg</i>	2.8971	11.7233	109.6842	1.14912E-25	2.28059E-23
<i>Slco1a5</i>	8.6746	1.1468	109.0431	1.58791E-25	3.12304E-23
<i>Gsdmc2</i>	4.3041	3.8407	108.9112	1.69723E-25	3.30823E-23
<i>Cd44</i>	1.3399	8.1761	108.8555	1.74561E-25	3.37242E-23
<i>Il1b</i>	3.5624	2.2863	107.8144	2.95171E-25	5.65253E-23

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<i>Gja1</i>	1.7370	8.3874	107.7167	3.10074E-25	5.88628E-23
<i>Klk7</i>	1.5517	10.1160	107.4000	3.638E-25	6.84665E-23
<i>Slc39a6</i>	1.2262	6.8888	106.7822	4.96877E-25	9.27122E-23
<i>Blmh</i>	1.9857	9.2302	105.7033	8.5644E-25	1.58449E-22
<i>Avil</i>	1.4827	5.0310	105.1924	1.10837E-24	2.03334E-22
<i>Serpinb3b</i>	1.7308	7.7709	104.6637	1.44731E-24	2.63301E-22
<i>Dsg1b</i>	2.1419	7.8603	104.3821	1.66834E-24	3.01004E-22
<i>Acp7</i>	1.4500	6.5793	104.0495	1.97324E-24	3.53097E-22
<i>Rab31</i>	2.0334	6.4657	103.3341	2.83137E-24	5.02533E-22
<i>Rrm2</i>	1.5286	5.0897	102.9162	3.49628E-24	6.15543E-22
<i>Psat1</i>	1.4831	6.6505	102.6607	3.97761E-24	6.94681E-22
<i>Gm5478</i>	7.6467	4.4532	102.2308	4.94163E-24	8.49455E-22
<i>Cpm</i>	1.6858	7.2275	102.1366	5.18228E-24	8.83863E-22
<i>Tubb3</i>	6.2207	4.2429	102.1068	5.26064E-24	8.90272E-22
<i>Uox</i>	6.0515	3.9232	101.8095	6.11252E-24	1.02648E-21
<i>Pnpla1</i>	1.2872	6.8403	101.6890	6.49606E-24	1.08256E-21
<i>Gm28042</i>	2.5736	2.1799	101.3611	7.66545E-24	1.26776E-21
<i>Stom</i>	1.6673	6.7910	101.2991	7.90907E-24	1.29822E-21
<i>Gpr35</i>	2.1081	3.8022	101.2761	8.0017E-24	1.30362E-21
<i>Gdpd1</i>	1.3880	4.7694	99.1648	2.32343E-23	3.75725E-21
<i>Cxcr2</i>	1.8185	5.1855	98.9711	2.56213E-23	4.11279E-21
<i>Psrc1</i>	1.7779	3.5848	98.5325	3.19735E-23	5.09499E-21
<i>Pglyrp1</i>	3.1789	1.9928	97.7301	4.79489E-23	7.58531E-21
<i>Bace2</i>	1.4322	4.9166	97.2948	5.97373E-23	9.38219E-21
<i>Bcl2l15</i>	2.7779	2.3266	96.3614	9.57167E-23	1.49257E-20
<i>Tgm3</i>	3.0416	6.9961	96.0222	1.136E-22	1.75886E-20
<i>Mocos</i>	1.3384	4.9425	95.6316	1.3838E-22	2.12744E-20
<i>Atp11b</i>	1.2089	6.7292	95.5175	1.46588E-22	2.23788E-20
<i>Top2a</i>	1.6704	6.0626	95.4561	1.51204E-22	2.29232E-20
<i>Klk8</i>	2.1575	7.2433	95.1988	1.72197E-22	2.59258E-20
<i>Myo5b</i>	2.0355	5.7200	95.0714	1.83644E-22	2.74599E-20
<i>Fabp5</i>	3.9136	9.6989	94.6241	2.30203E-22	3.41876E-20
<i>Cemip</i>	5.2319	3.9470	93.6298	3.80407E-22	5.57361E-20
<i>Smpdl3b</i>	1.9282	3.6643	93.5452	3.97033E-22	5.77842E-20
<i>Trim25</i>	1.0713	6.7256	93.3139	4.4624E-22	6.45157E-20
<i>Epn3</i>	1.4060	7.2632	93.0523	5.09311E-22	7.31498E-20
<i>Pcdh1</i>	1.1230	7.8166	92.7518	5.92808E-22	8.45855E-20
<i>Elovl7</i>	1.6902	6.7954	92.7123	6.04772E-22	8.57323E-20
<i>Capn12</i>	1.7291	4.1370	92.5080	6.70524E-22	9.44401E-20
<i>Tmem229b</i>	1.7530	6.8430	92.4481	6.91127E-22	9.67179E-20
<i>Defb6</i>	1.6242	6.9146	92.3434	7.28697E-22	1.01326E-19
<i>Klk11</i>	1.4727	6.5110	92.2635	7.5869E-22	1.04829E-19
<i>Pglyrp3</i>	2.3145	4.4700	92.1368	8.08852E-22	1.11057E-19
<i>Slc10a6</i>	1.7457	5.0611	92.0403	8.49301E-22	1.15882E-19
<i>Kif11</i>	1.8767	4.2897	91.8809	9.2054E-22	1.24785E-19
<i>Urah</i>	2.0993	8.0557	91.8692	9.25988E-22	1.24785E-19
<i>Dhrs9</i>	1.3656	5.3894	91.8227	9.4802E-22	1.26971E-19
<i>Ccl8</i>	2.3226	6.1724	91.7296	9.93691E-22	1.32276E-19
<i>Hbegf</i>	2.5806	5.0804	91.6358	1.04191E-21	1.37854E-19
<i>Slc6a20a</i>	1.4073	5.4666	91.5989	1.0615E-21	1.39601E-19
<i>Ttc39a</i>	1.5638	4.7053	91.5189	1.10531E-21	1.44491E-19
<i>Kctd11</i>	1.4586	7.3132	91.1853	1.30826E-21	1.70004E-19
<i>Il17c</i>	6.9803	0.9633	91.1372	1.34046E-21	1.73158E-19
<i>Bdh1</i>	1.9082	4.9807	90.0170	2.36124E-21	3.03225E-19
<i>Ivl</i>	1.4554	8.6989	89.4519	3.1418E-21	4.01104E-19
<i>Gm11992</i>	1.1579	5.6374	88.8515	4.25589E-21	5.40177E-19
<i>Shcbp1</i>	2.2401	2.6488	88.5134	5.0491E-21	6.37149E-19
<i>Ass1</i>	2.4374	4.9826	88.4962	5.09329E-21	6.39033E-19

Supplementary_Table_S1

<i>Zc3h12a</i>	1.7661	6.9273	88.3997	5.34779E-21	6.67129E-19
<i>Tgm1</i>	1.3462	8.1273	88.1349	6.11396E-21	7.58374E-19
<i>Sprr1a</i>	2.9888	9.3969	88.1062	6.20315E-21	7.6509E-19
<i>Rars</i>	1.2029	6.8297	87.7923	7.27012E-21	8.91651E-19
<i>Mcm3</i>	1.2273	4.9110	87.7502	7.42638E-21	9.05729E-19
<i>Sprr2j-ps</i>	5.8748	2.8052	87.3075	9.28927E-21	1.12663E-18
<i>Slc22a23</i>	1.0646	7.1269	87.1583	1.00176E-20	1.20826E-18
<i>Tmprss4</i>	1.3189	7.8931	86.2160	1.61315E-20	1.93498E-18
<i>Ppard</i>	1.3223	6.6474	86.1550	1.66367E-20	1.98468E-18
<i>Macc1</i>	1.2561	5.2753	86.1118	1.70048E-20	2.01756E-18
<i>Pla2g4f</i>	1.2179	7.2001	85.8760	1.91578E-20	2.26073E-18
<i>Smpd1</i>	1.1646	7.6846	85.7501	2.04175E-20	2.39643E-18
<i>Atp13a4</i>	2.6130	4.1461	85.6680	2.1283E-20	2.48464E-18
<i>Krt17</i>	1.7679	10.6127	85.3001	2.5635E-20	2.97679E-18
<i>Mxd1</i>	1.2493	7.2205	84.6975	3.47688E-20	4.01607E-18
<i>Stfa1</i>	6.6080	7.1264	84.6351	3.58835E-20	4.12302E-18
<i>Scnn1g</i>	1.6692	3.9173	84.5048	3.83277E-20	4.3808E-18
<i>Fetub</i>	5.5438	4.5362	84.0270	4.8807E-20	5.54951E-18
<i>Shf</i>	1.6889	3.7282	83.5680	6.15602E-20	6.92743E-18
<i>Bub1</i>	1.8325	2.8719	82.4462	1.08584E-19	1.21564E-17
<i>Pld2</i>	1.0542	6.6158	82.4209	1.09982E-19	1.22501E-17
<i>Plekhg1</i>	1.3034	5.4856	82.1657	1.2514E-19	1.38677E-17
<i>Cd24a</i>	2.1823	7.8302	81.9210	1.41639E-19	1.56168E-17
<i>Frrs1</i>	1.2379	5.1313	81.8701	1.4533E-19	1.59432E-17
<i>Tmem86a</i>	1.3410	5.8517	81.6722	1.60636E-19	1.75342E-17
<i>Has3</i>	2.5288	5.7575	81.5770	1.68565E-19	1.83082E-17
<i>Nkpd1</i>	1.5047	6.8173	81.3703	1.87147E-19	2.02257E-17
<i>Mcm5</i>	1.6982	5.2067	81.3432	1.89734E-19	2.04043E-17
<i>Fam43a</i>	1.5368	5.9222	80.0338	3.6806E-19	3.91957E-17
<i>Lypd3</i>	1.8237	9.2485	79.3916	5.09435E-19	5.39877E-17
<i>Arl5a</i>	1.1675	6.8958	79.2229	5.54834E-19	5.85149E-17
<i>Ptk6</i>	1.1331	5.9161	79.1507	5.75476E-19	6.04001E-17
<i>Uhrf1</i>	1.4623	5.0791	79.0190	6.15151E-19	6.39493E-17
<i>Casp14</i>	2.7297	9.4427	78.9462	6.38235E-19	6.60346E-17
<i>Fam83g</i>	1.1423	8.1419	78.2120	9.25537E-19	9.53085E-17
<i>Slc9a3r1</i>	1.3898	6.3153	78.1030	9.78038E-19	1.00242E-16
<i>Aadac</i>	1.2450	4.5418	77.8192	1.12919E-18	1.15193E-16
<i>Nipal1</i>	1.4947	5.0944	77.7097	1.19353E-18	1.21191E-16
<i>Maoa</i>	1.1980	5.6407	77.6947	1.20266E-18	1.21553E-16
<i>Aqp3</i>	3.3587	8.7586	77.5701	1.28098E-18	1.28871E-16
<i>Tfap2a</i>	1.2112	5.7922	77.2099	1.53723E-18	1.53467E-16
<i>Apol8</i>	1.9855	2.8491	77.2069	1.53952E-18	1.53467E-16
<i>Hip1r</i>	1.1093	7.8245	77.0963	1.6282E-18	1.6157E-16
<i>Atp1a1</i>	1.4453	8.4333	76.9750	1.73132E-18	1.71025E-16
<i>Galnt3</i>	1.8294	2.8168	76.7942	1.89733E-18	1.8658E-16
<i>Adgrf1</i>	6.3507	1.0716	76.7748	1.91603E-18	1.87573E-16
<i>Mcm2</i>	1.2769	4.9182	76.5449	2.15259E-18	2.09791E-16
<i>Mki67</i>	1.6074	6.5056	76.4280	2.28387E-18	2.21596E-16
<i>Krt1</i>	2.2857	13.4438	75.8745	3.0228E-18	2.90708E-16
<i>Proser2</i>	1.4811	4.3284	75.7966	3.14439E-18	3.01075E-16
<i>Ephx3</i>	1.2174	6.9999	75.6801	3.33558E-18	3.17987E-16
<i>Lig1</i>	1.2187	4.5539	75.3295	3.98364E-18	3.7648E-16
<i>Rab38</i>	1.1192	5.6067	75.1733	4.31156E-18	4.05714E-16
<i>Chaf1b</i>	1.5225	2.9849	74.9055	4.93793E-18	4.62661E-16
<i>Sult2b1</i>	1.6258	6.9269	74.5782	5.82825E-18	5.43746E-16
<i>Mdfr</i>	1.8159	3.2242	74.0273	7.7046E-18	7.12708E-16
<i>Dsc1</i>	1.5903	9.6205	73.8083	8.60831E-18	7.89613E-16
<i>Tmem125</i>	1.2556	4.6751	73.7583	8.829E-18	8.06469E-16

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<i>Zfp185</i>	1.0719	6.4168	73.3462	1.08793E-17	9.78318E-16
<i>Nipal4</i>	1.0070	7.5792	73.3443	1.08896E-17	9.78318E-16
<i>Pla2g4d</i>	6.5197	2.9406	73.0129	1.28807E-17	1.15245E-15
<i>Saa1</i>	3.3582	1.1265	72.6780	1.52627E-17	1.35448E-15
<i>Slc2a1</i>	1.5997	6.6296	72.5822	1.6022E-17	1.4161E-15
<i>Tmigd1</i>	1.8011	3.5546	72.5552	1.62422E-17	1.42977E-15
<i>Gpr160</i>	1.0148	5.1252	72.1243	2.02064E-17	1.77159E-15
<i>Ceacam12</i>	2.2085	2.5069	71.6243	2.60331E-17	2.27332E-15
<i>Gsdmc3</i>	4.5921	0.7518	71.2575	3.13523E-17	2.71608E-15
<i>Igsf3</i>	2.0815	5.4792	71.0285	3.52107E-17	3.03828E-15
<i>Id1</i>	1.5142	5.7516	70.6551	4.25458E-17	3.65676E-15
<i>Aqp9</i>	1.2000	5.3609	70.2247	5.29184E-17	4.53043E-15
<i>Slc25a48</i>	1.6887	5.4029	70.1598	5.46885E-17	4.66369E-15
<i>Egln3</i>	1.6643	7.7620	69.6860	6.95376E-17	5.90691E-15
<i>Tmprss11g</i>	2.3055	3.8909	69.6521	7.07444E-17	5.98613E-15
<i>Gtf2f1</i>	1.1495	6.0320	69.5128	7.59213E-17	6.39937E-15
<i>Ide</i>	1.2171	9.3184	68.8679	1.05284E-16	8.84018E-15
<i>Sptlc1</i>	1.1459	6.5833	68.5470	1.23887E-16	1.03623E-14
<i>Abca12</i>	1.0482	9.1946	68.2447	1.44415E-16	1.20333E-14
<i>Otub2</i>	1.6750	5.7659	68.0621	1.58426E-16	1.31506E-14
<i>Pgam1</i>	1.3339	8.1715	67.7424	1.86317E-16	1.54071E-14
<i>Dennd2d</i>	1.0057	4.9702	67.3307	2.29574E-16	1.87709E-14
<i>Dsg3</i>	1.4343	7.2305	66.8012	3.00308E-16	2.42815E-14
<i>Lrrc4</i>	3.1472	2.3752	66.7626	3.06257E-16	2.46712E-14
<i>Tubb2a</i>	1.5137	7.4723	66.5854	3.35055E-16	2.67934E-14
<i>Vav3</i>	1.2970	5.4833	66.0562	4.38256E-16	3.46651E-14
<i>Tuba8</i>	1.0917	7.2080	65.9428	4.64198E-16	3.65845E-14
<i>Garem1</i>	1.1122	4.9828	65.8541	4.85569E-16	3.81311E-14
<i>Ppp4r1</i>	1.0933	5.9624	65.8364	4.89938E-16	3.83363E-14
<i>Ovol1</i>	1.4435	7.3285	65.7250	5.18437E-16	4.04214E-14
<i>B4galnt1</i>	1.4712	4.2726	65.5046	5.7978E-16	4.50434E-14
<i>Atp6v0a4</i>	1.1734	5.9677	65.2111	6.72894E-16	5.2092E-14
<i>Kif2c</i>	1.9765	3.2740	64.9658	7.62085E-16	5.87883E-14
<i>Cgref1</i>	2.8369	3.3209	64.7897	8.33344E-16	6.40589E-14
<i>Them5</i>	1.4953	8.1267	64.5366	9.47567E-16	7.23298E-14
<i>Smpdl3a</i>	1.0531	7.4361	64.3300	1.05231E-15	8.00453E-14
<i>Ada</i>	1.8252	3.6150	63.8810	1.32168E-15	9.98394E-14
<i>Asf1b</i>	1.8739	3.2905	63.7540	1.40969E-15	1.0612E-13
<i>Klk14</i>	6.5770	3.4775	63.6461	1.48907E-15	1.11711E-13
<i>Rps6ka4</i>	1.2836	7.0124	63.2841	1.78946E-15	1.3333E-13
<i>Pla2g4b</i>	4.3729	6.0643	62.9750	2.09351E-15	1.54404E-13
<i>Il19</i>	5.0091	1.4765	62.8501	2.23056E-15	1.63342E-13
<i>Slc25a13</i>	1.3236	4.1406	62.8448	2.23654E-15	1.63342E-13
<i>Rdh12</i>	1.2269	5.9996	62.8443	2.23715E-15	1.63342E-13
<i>Tacc3</i>	1.5002	4.5875	62.0746	3.30693E-15	2.37479E-13
<i>Tmem79</i>	1.0249	6.1464	61.6779	4.04486E-15	2.89519E-13
<i>Calm4</i>	1.7649	11.5133	61.5944	4.22012E-15	3.01077E-13
<i>Ddx39</i>	1.6289	5.5608	61.3157	4.86193E-15	3.44613E-13
<i>Mpp7</i>	1.2180	5.9284	61.1946	5.17033E-15	3.64108E-13
<i>Slc7a5</i>	1.4731	5.1849	61.1765	5.21815E-15	3.66294E-13
<i>Socs1</i>	1.9099	2.1627	60.9163	5.95526E-15	4.16696E-13
<i>Cstb</i>	1.3698	7.0969	60.8664	6.10831E-15	4.2604E-13
<i>Plpp6</i>	1.2912	5.5960	60.6599	6.78367E-15	4.7014E-13
<i>Mcm4</i>	1.1453	5.4484	60.5049	7.33963E-15	5.07061E-13
<i>Ak2</i>	1.2138	6.9668	60.1640	8.72722E-15	6.01022E-13
<i>Cbr3</i>	1.2660	5.6332	60.1336	8.86329E-15	6.08473E-13
<i>Dbf4</i>	1.5738	3.5144	59.9606	9.67754E-15	6.6022E-13
<i>Entpd7</i>	1.4973	3.2913	59.9362	9.79814E-15	6.66365E-13
<i>Ralgapa2</i>	1.0359	5.6911	59.9272	9.8432E-15	6.6735E-13

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<i>Fhl2</i>	3.8388	3.8892	59.7139	1.09699E-14	7.3915E-13
<i>Slc25a5</i>	1.0891	8.3820	59.4219	1.27243E-14	8.54717E-13
<i>Dusp5</i>	1.3225	5.2730	59.2957	1.35671E-14	9.05759E-13
<i>Pmaip1</i>	1.5770	3.7378	59.2897	1.36087E-14	9.05765E-13
<i>Ddias</i>	2.1224	2.3144	59.0625	1.52742E-14	1.01353E-12
<i>Cep55</i>	1.6479	3.0115	58.8196	1.72808E-14	1.1432E-12
<i>Epha2</i>	1.0551	6.4349	58.7767	1.7662E-14	1.16489E-12
<i>Mapk6</i>	2.0051	7.4720	58.6739	1.8609E-14	1.21998E-12
<i>Cdc20</i>	1.8257	4.9337	58.2019	2.36553E-14	1.54617E-12
<i>Pclaf</i>	2.1876	3.7459	58.0446	2.56238E-14	1.66983E-12
<i>Mal2</i>	1.4791	6.7613	58.0167	2.59908E-14	1.68802E-12
<i>Map3k6</i>	1.2049	5.3877	58.0116	2.60576E-14	1.68802E-12
<i>Pfkfb4</i>	1.5887	4.6333	57.8934	2.76708E-14	1.78195E-12
<i>Sh2d5</i>	3.5307	2.1693	57.7657	2.9527E-14	1.89589E-12
<i>Phlda2</i>	2.7504	1.2472	57.7436	2.98604E-14	1.91168E-12
<i>Wfdc12</i>	5.3656	4.1746	57.6930	3.0639E-14	1.95009E-12
<i>Ctsd</i>	1.1653	10.4903	57.5674	3.26592E-14	2.06065E-12
<i>Lrrc28</i>	1.1916	6.6408	57.4453	3.47518E-14	2.17794E-12
<i>Skil</i>	1.0840	5.1316	57.4415	3.48175E-14	2.17794E-12
<i>Bub1b</i>	1.6277	3.9188	57.4173	3.5249E-14	2.19863E-12
<i>Igfl3</i>	3.9162	1.1606	57.4034	3.54985E-14	2.20788E-12
<i>Abcc3</i>	1.3464	3.6966	57.3727	3.60571E-14	2.23626E-12
<i>Prep</i>	1.0236	6.5991	57.1259	4.08796E-14	2.52103E-12
<i>Ndc80</i>	1.7664	2.4172	57.1007	4.14061E-14	2.5463E-12
<i>Slc26a10</i>	1.4021	3.7878	57.0863	4.17104E-14	2.55781E-12
<i>Slc23a4</i>	2.9244	1.6217	57.0752	4.19455E-14	2.56502E-12
<i>Cyp4f39</i>	1.0290	6.4193	56.8931	4.60163E-14	2.80609E-12
<i>Kntc1</i>	1.4405	2.7008	56.8773	4.63879E-14	2.82088E-12
<i>Cdh3</i>	1.2594	5.9332	56.8616	4.67594E-14	2.83557E-12
<i>Adm2</i>	3.7753	0.5337	56.4596	5.73637E-14	3.44988E-12
<i>Elf5</i>	1.7463	3.3837	56.2526	6.37328E-14	3.78084E-12
<i>Trim13</i>	1.0725	4.1518	56.2086	6.51761E-14	3.85599E-12
<i>Lipn</i>	1.0308	5.5219	56.0747	6.97702E-14	4.11663E-12
<i>Ap1m2</i>	1.0489	6.0544	55.9961	7.26145E-14	4.26142E-12
<i>Ncapg</i>	2.0890	2.8485	55.8631	7.76956E-14	4.53522E-12
<i>Kpna2</i>	1.3478	6.2922	55.7204	8.35449E-14	4.85071E-12
<i>Birc5</i>	1.7744	3.7391	55.6718	8.5638E-14	4.95906E-12
<i>Ugcg</i>	1.0229	7.0822	55.5288	9.21004E-14	5.30513E-12
<i>Dnah8</i>	1.7731	3.3791	55.3991	9.83818E-14	5.65203E-12
<i>Pi15</i>	2.1912	4.2257	55.3817	9.92571E-14	5.68735E-12
<i>Fam162a</i>	1.7031	6.5443	55.1098	1.13981E-13	6.51393E-12
<i>Phlda1</i>	1.4982	4.5019	54.6437	1.44485E-13	8.21422E-12
<i>Tmem165</i>	1.1057	6.0662	54.4916	1.56114E-13	8.85227E-12
<i>Plk1</i>	2.0682	3.9194	54.4583	1.58779E-13	8.98006E-12
<i>Serpnb6c</i>	2.6172	4.5383	54.4353	1.60649E-13	9.04604E-12
<i>Pfkl</i>	1.0812	6.8991	54.4338	1.60774E-13	9.04604E-12
<i>Acot7</i>	1.1676	4.3355	54.2759	1.74225E-13	9.75259E-12
<i>Pld1</i>	1.2271	5.6442	54.1804	1.82903E-13	1.01861E-11
<i>Fam84a</i>	1.0981	7.0217	54.1197	1.88642E-13	1.0479E-11
<i>Krt6b</i>	8.3514	11.6163	54.0049	1.9999E-13	1.10531E-11
<i>Fam83a</i>	2.8335	2.6096	53.5054	2.57876E-13	1.42164E-11
<i>Trpv3</i>	1.0578	5.7668	53.2309	2.96562E-13	1.62669E-11
<i>Postn</i>	1.0843	9.3630	53.2087	2.99924E-13	1.6394E-11
<i>Il1rn</i>	1.0402	7.1656	53.2057	3.0038E-13	1.6394E-11
<i>Cfap43</i>	1.1380	5.8338	53.1964	3.01811E-13	1.6431E-11
<i>Rbp1</i>	2.9338	5.4010	53.0068	3.324E-13	1.7962E-11
<i>Ncapd2</i>	1.0336	4.7026	52.7925	3.70707E-13	1.99825E-11
<i>Sqle</i>	1.1336	7.5054	52.4322	4.45371E-13	2.37144E-11

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<i>Kif20a</i>	1.2610	4.1101	52.3766	4.58162E-13	2.43361E-11
<i>Hyal1</i>	1.0988	4.8970	52.3044	4.75312E-13	2.50641E-11
<i>Klk12</i>	3.9147	2.6135	52.2532	4.8787E-13	2.56643E-11
<i>Chaf1a</i>	1.2170	3.7548	52.2370	4.919E-13	2.58141E-11
<i>Atp2a2</i>	1.0565	8.1378	52.1675	5.09617E-13	2.66797E-11
<i>Smim3</i>	2.1649	2.6314	51.6247	6.71901E-13	3.47589E-11
<i>Tpx2</i>	1.6538	4.4081	51.5669	6.91995E-13	3.57138E-11
<i>Aaas</i>	1.0409	4.3878	51.4488	7.34903E-13	3.76612E-11
<i>Atp6v1a</i>	1.0511	7.3334	51.1078	8.74317E-13	4.43889E-11
<i>Eif6</i>	1.0541	6.9248	51.0819	8.85927E-13	4.48739E-11
<i>Lcn2</i>	2.3838	4.4890	50.9778	9.34169E-13	4.69904E-11
<i>Ckap2l</i>	1.0585	4.5748	50.9706	9.37581E-13	4.70536E-11
<i>Krt79</i>	1.2027	9.1172	50.8655	9.89151E-13	4.92625E-11
<i>Tdh</i>	4.6553	5.1296	50.8626	9.90621E-13	4.92625E-11
<i>Cdk5r1</i>	1.2753	3.4975	50.7502	1.04902E-12	5.19302E-11
<i>Rab25</i>	1.1094	7.8969	50.6753	1.08981E-12	5.37059E-11
<i>Cwh43</i>	1.3850	5.5099	50.6419	1.10852E-12	5.45047E-11
<i>Mybl2</i>	2.1187	2.9848	50.4929	1.19595E-12	5.86129E-11
<i>Tmem40</i>	1.2224	6.5766	50.3634	1.27756E-12	6.19787E-11
<i>Synpr</i>	2.6328	0.6474	50.3511	1.28557E-12	6.22291E-11
<i>Myd88</i>	1.0088	5.8788	50.2833	1.33078E-12	6.42749E-11
<i>Bdkrb2</i>	1.6931	3.1077	50.0036	1.53461E-12	7.34694E-11
<i>Tbc1d2</i>	1.1447	4.7998	49.9254	1.597E-12	7.62891E-11
<i>Car13</i>	1.0293	6.9505	49.5048	1.97887E-12	9.3711E-11
<i>Dnase1l2</i>	1.1990	6.9936	49.4795	2.00453E-12	9.47204E-11
<i>Myo1b</i>	1.0616	5.4537	49.3248	2.16898E-12	1.0205E-10
<i>Nod2</i>	1.5859	5.3450	49.2614	2.24028E-12	1.05177E-10
<i>Serinc2</i>	1.2389	6.3645	49.0029	2.55586E-12	1.19224E-10
<i>Mthfd1l</i>	1.4121	2.7633	48.9539	2.6205E-12	1.21719E-10
<i>Cdca8</i>	1.5783	4.1187	48.8869	2.7115E-12	1.25679E-10
<i>Cenpf</i>	1.0941	4.3260	48.8009	2.83317E-12	1.3104E-10
<i>Rgs20</i>	1.6039	3.5806	48.6990	2.98417E-12	1.37442E-10
<i>Ccl20</i>	2.9626	3.7209	48.6931	2.99324E-12	1.37569E-10
<i>Dlgap5</i>	1.5890	2.9609	48.4289	3.42475E-12	1.56414E-10
<i>Grhl3</i>	1.1280	7.4587	48.2976	3.662E-12	1.669E-10
<i>Ppif</i>	1.2750	6.8881	48.0225	4.21354E-12	1.90766E-10
<i>Slc5a10</i>	1.8432	1.6967	47.6914	4.98866E-12	2.24089E-10
<i>Calml3</i>	1.6965	8.2037	47.6372	5.12853E-12	2.29899E-10
<i>Abhd12b</i>	1.4091	5.5165	47.6067	5.20902E-12	2.32552E-10
<i>Clspn</i>	1.8947	3.0841	47.3864	5.82854E-12	2.58099E-10
<i>Ereg</i>	1.3379	6.7932	47.2682	6.19095E-12	2.72489E-10
<i>Bok</i>	1.5601	5.7953	47.2582	6.22246E-12	2.73325E-10
<i>Kn1l</i>	1.5450	2.8939	47.2355	6.29501E-12	2.75404E-10
<i>Asprv1</i>	1.3705	11.4379	47.2244	6.33079E-12	2.76415E-10
<i>1810037l17Rik</i>	1.0714	6.4561	47.1588	6.5463E-12	2.85254E-10
<i>Wdhd1</i>	1.4352	3.2574	47.0030	7.08788E-12	3.08238E-10
<i>Akr1d1</i>	5.4612	3.2394	46.9395	7.3212E-12	3.17121E-10
<i>Tnfaip2</i>	1.1198	5.7712	46.7992	7.86472E-12	3.38648E-10
<i>Ofcc1</i>	4.6510	-0.2052	46.7758	7.9592E-12	3.42042E-10
<i>Cntn2</i>	3.5342	-0.0046	46.7598	8.02421E-12	3.44158E-10
<i>Krt14</i>	2.2168	12.8732	46.7319	8.13915E-12	3.48404E-10
<i>C330027C09Rik</i>	1.6349	3.3134	46.7152	8.20889E-12	3.50701E-10
<i>Prl2c3</i>	8.6722	1.1431	46.6167	8.63229E-12	3.6807E-10
<i>Rhof</i>	1.6401	4.1188	46.4988	9.16758E-12	3.87863E-10
<i>Dnmt3l</i>	2.7957	1.0232	46.4780	9.26534E-12	3.91241E-10
<i>Ccne1</i>	2.2200	2.1668	46.2906	1.0195E-11	4.28839E-10
<i>Ckap2</i>	1.6080	3.8143	46.2296	1.05175E-11	4.40707E-10
<i>Atp6v1b2</i>	1.1971	7.3816	46.1990	1.06831E-11	4.45934E-10

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<i>Ltb4r1</i>	1.0299	4.8528	46.1819	1.07766E-11	4.48121E-10
<i>Snn</i>	1.7475	4.7885	46.0480	1.15391E-11	4.78918E-10
<i>Kif18b</i>	1.5042	2.8391	45.7937	1.31388E-11	5.41394E-10
<i>Higd1a</i>	1.0913	6.6409	45.7387	1.35129E-11	5.55554E-10
<i>Mafb</i>	1.4317	7.2403	45.6228	1.43364E-11	5.86103E-10
<i>Saa3</i>	4.4372	3.7843	45.5288	1.5041E-11	6.1261E-10
<i>Slc35f2</i>	1.9367	3.4689	45.4619	1.55637E-11	6.32059E-10
<i>Hrnr</i>	1.0342	11.1255	45.4603	1.55764E-11	6.32059E-10
<i>Kif4</i>	1.0105	3.9248	45.4208	1.58938E-11	6.43742E-10
<i>Cdca2</i>	1.4960	2.6278	45.2480	1.73602E-11	7.01833E-10
<i>Tex101</i>	3.3034	1.0443	45.0510	1.91967E-11	7.71791E-10
<i>Nccrp1</i>	1.0650	8.8473	45.0174	1.95292E-11	7.83717E-10
<i>Lpar5</i>	1.2356	3.6823	44.9364	2.03534E-11	8.15294E-10
<i>Incenp</i>	1.3204	4.7248	44.7963	2.18636E-11	8.72587E-10
<i>E2f8</i>	1.3538	4.2688	44.7636	2.22313E-11	8.8564E-10
<i>Tgfa</i>	1.2250	6.3531	44.7384	2.25195E-11	8.95489E-10
<i>1110008P14Rik</i>	1.1105	5.2344	44.7186	2.27485E-11	9.02949E-10
<i>BC016579</i>	1.1950	4.2776	44.5363	2.49681E-11	9.85674E-10
<i>Cst6</i>	1.1780	9.5135	44.4841	2.56431E-11	1.00902E-09
<i>Iffo2</i>	1.0025	8.4188	44.4511	2.60788E-11	1.02397E-09
<i>Hif1a</i>	1.1372	6.8339	44.4371	2.62661E-11	1.02947E-09
<i>Kif15</i>	1.8034	2.8831	44.4051	2.66995E-11	1.04458E-09
<i>Tk1</i>	1.5104	3.5569	44.3023	2.81391E-11	1.09502E-09
<i>Areg</i>	2.8193	3.3689	44.2644	2.8689E-11	1.11443E-09
<i>Aurkb</i>	1.8106	3.4303	44.1707	3.00945E-11	1.16488E-09
<i>Fam83b</i>	1.0393	5.9795	43.8944	3.46572E-11	1.32971E-09
<i>Gm5414</i>	4.2587	0.3022	43.8703	3.50868E-11	1.34383E-09
<i>Gpx1</i>	1.2387	8.4354	43.8649	3.51846E-11	1.34521E-09
<i>Sema4g</i>	1.0831	4.3660	43.8197	3.60064E-11	1.37182E-09
<i>Bnc1</i>	1.1305	4.4821	43.7902	3.65526E-11	1.39021E-09
<i>Fblim1</i>	2.2123	4.0069	43.7114	3.80547E-11	1.43986E-09
<i>Eno1</i>	1.4013	8.2032	43.7018	3.82412E-11	1.44437E-09
<i>Arrdc4</i>	1.0253	6.2808	43.6933	3.84075E-11	1.44814E-09
<i>Ralbp1</i>	1.0891	8.0246	43.5297	4.17564E-11	1.56899E-09
<i>Rbm47</i>	1.0465	4.0402	43.2991	4.69793E-11	1.75918E-09
<i>Asns</i>	1.5081	5.1723	43.2330	4.85942E-11	1.81034E-09
<i>Kyat1</i>	1.2584	5.6991	42.9987	5.47749E-11	2.03366E-09
<i>1810011O10Rik</i>	1.3019	5.4528	42.9399	5.64488E-11	2.08517E-09
<i>Hmmr</i>	1.3274	3.9012	42.8432	5.93083E-11	2.1834E-09
<i>Eno1b</i>	1.4307	8.0539	42.8181	6.00741E-11	2.20417E-09
<i>Lgals7</i>	1.2211	11.1709	42.7072	6.35792E-11	2.32495E-09
<i>Smc2</i>	1.4743	4.1860	42.5621	6.84724E-11	2.49137E-09
<i>Ace2</i>	1.2047	6.4732	42.4722	7.16925E-11	2.59987E-09
<i>Ep gn</i>	2.1470	5.0264	42.3589	7.59686E-11	2.72775E-09
<i>H60c</i>	1.0722	5.8913	41.9760	9.24024E-11	3.27473E-09
<i>Slc39a8</i>	1.2275	6.4167	41.6904	1.0693E-10	3.72907E-09
<i>Nrg1</i>	2.7430	1.4961	41.6644	1.08367E-10	3.76712E-09
<i>Csta1</i>	1.2826	7.5849	41.5587	1.14383E-10	3.96365E-09
<i>Hells</i>	1.1001	3.5874	41.4387	1.21626E-10	4.20128E-09
<i>5430419D17Rik</i>	1.4535	2.1917	41.4337	1.21934E-10	4.20529E-09
<i>Tmprss11b</i>	5.3614	2.2522	41.3155	1.29538E-10	4.45347E-09
<i>Brca1</i>	1.4671	2.4677	41.3069	1.30106E-10	4.46596E-09
<i>Atad2</i>	1.0077	4.3373	41.2836	1.31666E-10	4.51242E-09
<i>Foxm1</i>	1.1625	3.9866	41.1829	1.38632E-10	4.7437E-09
<i>Sfxn1</i>	1.0411	5.3458	41.1338	1.42157E-10	4.85671E-09
<i>Ebp</i>	1.1236	5.9245	41.1064	1.44161E-10	4.91748E-09
<i>Ccnb1ip1</i>	2.3210	0.9182	41.0824	1.45942E-10	4.97044E-09
<i>Mpzl2</i>	1.0973	6.6399	41.0601	1.47617E-10	5.01967E-09

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<i>Klk10</i>	1.7152	6.8141	40.9355	1.57338E-10	5.32535E-09
<i>Syt8</i>	1.8894	1.8379	40.9142	1.59065E-10	5.36715E-09
<i>Rnase2b</i>	1.9833	4.3632	40.7370	1.7416E-10	5.83142E-09
<i>Gtse1</i>	1.5327	2.9127	40.6557	1.81555E-10	6.0491E-09
<i>Tfrc</i>	1.0716	6.0893	40.4226	2.04561E-10	6.75608E-09
<i>Sfn</i>	1.5534	10.1720	40.2497	2.23484E-10	7.32996E-09
<i>S100a8</i>	6.1874	7.9559	40.1674	2.331E-10	7.58393E-09
<i>Phgdh</i>	1.1878	5.8611	40.0987	2.4145E-10	7.83223E-09
<i>Fam171a2</i>	1.0127	3.7239	40.0288	2.50251E-10	8.09627E-09
<i>Zdhhc13</i>	1.0965	4.9328	40.0281	2.50331E-10	8.09627E-09
<i>Slc39a2</i>	2.3180	3.0627	40.0087	2.52831E-10	8.16504E-09
<i>Prss12</i>	1.4214	4.5442	39.8847	2.69407E-10	8.66189E-09
<i>Slc16a6</i>	1.0272	4.9672	39.8461	2.74784E-10	8.82177E-09
<i>Cd200</i>	1.0598	4.3456	39.5628	3.17679E-10	1.01393E-08
<i>Cdt1</i>	1.2045	3.6363	39.5155	3.25464E-10	1.03574E-08
<i>Cdsn</i>	1.1345	10.6353	39.5006	3.27953E-10	1.04215E-08
<i>Rnpep</i>	1.0556	5.6601	39.2953	3.64315E-10	1.14767E-08
<i>Dusp14</i>	1.4336	6.4101	39.2247	3.77734E-10	1.18652E-08
<i>Knstrn</i>	1.3043	3.6226	39.0871	4.05322E-10	1.26952E-08
<i>Tuba1c</i>	1.2232	7.5094	38.8835	4.49871E-10	1.39505E-08
<i>Figl1</i>	1.6802	2.3309	38.8274	4.62972E-10	1.43364E-08
<i>Shmt2</i>	1.1930	6.3144	38.7303	4.86602E-10	1.50255E-08
<i>Spc25</i>	1.7645	2.2620	38.5380	5.36989E-10	1.64649E-08
<i>Lelp1</i>	7.0401	-0.3216	38.4399	5.64673E-10	1.72529E-08
<i>Capn2</i>	1.0074	7.2710	38.3779	5.82873E-10	1.77269E-08
<i>Sprr2k</i>	5.4088	1.4869	38.1721	6.47709E-10	1.95576E-08
<i>Uchl3</i>	1.0956	5.9159	38.1563	6.52973E-10	1.96893E-08
<i>Rcc1</i>	1.0501	4.9454	38.0886	6.76029E-10	2.02725E-08
<i>Uck2</i>	1.2047	6.6554	37.9771	7.15782E-10	2.13765E-08
<i>E2f7</i>	1.4330	2.9097	37.8998	7.44734E-10	2.21503E-08
<i>Aldh3b2</i>	1.1358	7.2310	37.8486	7.64547E-10	2.27086E-08
<i>Gsto1</i>	2.1903	6.4606	37.6794	8.33825E-10	2.45658E-08
<i>Orc1</i>	1.8903	2.2563	37.6270	8.56485E-10	2.51588E-08
<i>Zfp92</i>	1.2676	3.1173	37.2477	1.04039E-09	3.00035E-08
<i>Slit1</i>	2.1467	1.9413	37.1344	1.1026E-09	3.14504E-08
<i>Spc24</i>	1.6399	2.8651	37.1328	1.10352E-09	3.14504E-08
<i>Ell2</i>	1.2433	5.9003	37.0365	1.15936E-09	3.28276E-08
<i>Ccnf</i>	1.4205	3.8660	36.9652	1.20254E-09	3.40061E-08
<i>Ptprz1</i>	2.7399	4.8044	36.8601	1.26915E-09	3.57507E-08
<i>Cpa4</i>	1.1628	8.2397	36.7693	1.32965E-09	3.73106E-08
<i>Fndc11</i>	2.6521	0.7634	36.7594	1.33645E-09	3.74532E-08
<i>Cenpe</i>	1.5866	3.6795	36.6805	1.39161E-09	3.88992E-08
<i>Nusap1</i>	1.1486	3.7856	36.6481	1.415E-09	3.94016E-08
<i>S100a16</i>	1.0884	8.0056	36.4916	1.53322E-09	4.21559E-08
<i>Cit</i>	1.2663	2.9665	36.3460	1.65219E-09	4.53698E-08
<i>Fgfbp1</i>	1.2961	7.0880	36.2323	1.75144E-09	4.77351E-08
<i>Zwilch</i>	1.5740	2.5824	36.0927	1.88148E-09	5.10879E-08
<i>Melk</i>	1.6872	2.8794	35.8581	2.12221E-09	5.68465E-08
<i>Ccnb1</i>	1.6894	4.3317	35.8457	2.13579E-09	5.71403E-08
<i>Cdk1</i>	1.8634	4.0102	35.8398	2.14232E-09	5.72448E-08
<i>S100a7a</i>	3.7116	1.7974	35.7608	2.23087E-09	5.93929E-08
<i>Twf1</i>	1.2381	7.3197	35.7557	2.23674E-09	5.94765E-08
<i>Ier3</i>	1.0575	5.7790	35.6665	2.34158E-09	6.21885E-08
<i>Chek1</i>	2.0654	1.4045	35.6232	2.39417E-09	6.35079E-08
<i>Prr11</i>	1.5252	3.0179	35.5583	2.4753E-09	6.54137E-08
<i>Hsd17b2</i>	1.6216	2.8756	35.3666	2.73126E-09	7.14943E-08
<i>Trim59</i>	1.0834	3.8366	35.2452	2.90698E-09	7.59118E-08
<i>Tchhl1</i>	6.9916	-0.3619	35.2213	2.94284E-09	7.6665E-08

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<i>Exo1</i>	1.7204	1.6336	34.9344	3.4101E-09	8.78936E-08
<i>Nuf2</i>	1.8931	2.9354	34.8217	3.61322E-09	9.26911E-08
<i>Cdh16</i>	2.0623	0.9241	34.6138	4.02048E-09	1.02297E-07
<i>Pitpnm3</i>	1.5507	3.5599	34.4954	4.27258E-09	1.07957E-07
<i>Sgo1</i>	1.4981	2.3589	34.2144	4.9363E-09	1.22879E-07
<i>Ticrr</i>	1.5325	2.4993	34.1630	5.06822E-09	1.25732E-07
<i>Stac2</i>	2.2347	3.3793	34.1504	5.10128E-09	1.26122E-07
<i>Cdca5</i>	2.3010	1.6086	34.1038	5.22492E-09	1.28819E-07
<i>Cenpn</i>	1.5227	1.5855	34.0096	5.48415E-09	1.34221E-07
<i>Sec14l2</i>	1.0151	5.9649	34.0041	5.49966E-09	1.34449E-07
<i>Fscn1</i>	1.8997	5.4882	33.9639	5.61441E-09	1.36879E-07
<i>Orai2</i>	1.0164	3.5597	33.8955	5.81517E-09	1.40744E-07
<i>Serpnb3d</i>	6.6524	-0.6279	33.8871	5.84033E-09	1.41196E-07
<i>Polr3g</i>	1.1493	6.0010	33.8606	5.92047E-09	1.42975E-07
<i>Mad2l1</i>	1.0328	3.0727	33.8446	5.96941E-09	1.43857E-07
<i>Ska3</i>	2.0441	1.5404	33.6843	6.48204E-09	1.55334E-07
<i>4930427A07Rik</i>	2.2518	0.7685	33.3855	7.55845E-09	1.77844E-07
<i>Kif22</i>	1.8126	3.2975	33.1951	8.33596E-09	1.93804E-07
<i>Mis18bp1</i>	1.4525	2.3891	33.1545	8.51204E-09	1.97478E-07
<i>Jakmip2</i>	2.4582	3.0208	33.1044	8.73414E-09	2.022E-07
<i>Spag5</i>	1.4009	3.2162	33.0392	9.03206E-09	2.08214E-07
<i>Nek2</i>	1.4516	3.1137	33.0282	9.08333E-09	2.09175E-07
<i>Rad54l</i>	2.7805	0.9002	32.9111	9.64715E-09	2.21007E-07
<i>Rel2</i>	1.2921	3.5957	32.9110	9.64771E-09	2.21007E-07
<i>Mastl</i>	1.5700	2.4900	32.8272	1.00727E-08	2.29777E-07
<i>Ces2e</i>	2.2935	0.8743	32.7739	1.03527E-08	2.35804E-07
<i>Rps12</i>	1.4262	4.3154	32.7269	1.06062E-08	2.4094E-07
<i>Fam83c</i>	1.0863	5.8046	32.7184	1.06522E-08	2.41735E-07
<i>Atp12a</i>	2.0698	7.5466	32.4229	1.24017E-08	2.79403E-07
<i>Ccna2</i>	1.1436	3.9716	32.4160	1.24456E-08	2.80102E-07
<i>Wnt4</i>	1.0881	6.6526	32.3107	1.3139E-08	2.94494E-07
<i>Nt5dc2</i>	2.0520	4.9532	32.0738	1.48425E-08	3.2963E-07
<i>Aurka</i>	1.6934	3.3407	31.8942	1.62802E-08	3.56482E-07
<i>Cks1b</i>	1.1536	3.9277	31.8576	1.65902E-08	3.62907E-07
<i>Poc1a</i>	1.4071	2.0085	31.8487	1.66657E-08	3.64193E-07
<i>Igsf9b</i>	1.5511	2.4872	31.5287	1.96514E-08	4.25182E-07
<i>Lce1g</i>	1.6749	7.0387	31.5247	1.96918E-08	4.25635E-07
<i>Gsdmc4</i>	3.0272	0.6860	31.4849	2.01001E-08	4.33602E-07
<i>Cyp2b10</i>	1.1468	5.9352	31.4082	2.09099E-08	4.49295E-07
<i>Pttg1</i>	1.5057	3.3161	31.3050	2.20516E-08	4.67388E-07
<i>Idi1</i>	1.2005	6.9652	31.2711	2.244E-08	4.74237E-07
<i>Pglyrp4</i>	1.4531	5.8626	31.2219	2.30156E-08	4.84525E-07
<i>Ephb2</i>	1.0298	4.3782	31.2200	2.30378E-08	4.84525E-07
<i>H2afx</i>	1.0116	4.3400	31.1948	2.33394E-08	4.90396E-07
<i>Ncaph</i>	1.2387	3.1966	31.1133	2.43401E-08	5.08973E-07
<i>Ect2</i>	1.2869	3.2924	31.0719	2.48648E-08	5.18952E-07
<i>Ppa1</i>	1.0266	5.8477	31.0691	2.49E-08	5.19189E-07
<i>Fam46a</i>	1.0111	6.5490	30.9941	2.5882E-08	5.36509E-07
<i>2610528J11Rik</i>	1.0723	3.9072	30.9621	2.63113E-08	5.43941E-07
<i>Ccnb2</i>	1.5644	3.7668	30.9083	2.70511E-08	5.5765E-07
<i>Lss</i>	1.0293	5.5624	30.7074	3.00017E-08	6.11548E-07
<i>Gch1</i>	1.1481	2.8522	30.4216	3.47631E-08	6.9753E-07
<i>Gm20390</i>	1.2091	6.4732	30.2400	3.81753E-08	7.56953E-07
<i>Cxcl2</i>	3.1990	0.1444	30.1792	3.9391E-08	7.78936E-07
<i>Trip13</i>	1.7304	1.5981	30.1075	4.08752E-08	8.03915E-07
<i>Slc5a9</i>	1.1105	4.6567	29.9087	4.52874E-08	8.796E-07
<i>Hpx</i>	2.7326	0.2540	29.8361	4.70162E-08	9.06723E-07
<i>Tmem95</i>	1.6076	1.5548	29.8110	4.76289E-08	9.15305E-07

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<i>Srms</i>	1.2027	3.3517	29.7687	4.86799E-08	9.33859E-07
<i>Haspin</i>	1.5201	2.0180	29.7481	4.91996E-08	9.42172E-07
<i>Upp1</i>	2.6268	1.1718	29.6895	5.07094E-08	9.70234E-07
<i>Guca2b</i>	3.2971	-0.3445	29.5676	5.40002E-08	1.02422E-06
<i>Enah</i>	1.5921	6.4622	29.4974	5.59923E-08	1.05833E-06
<i>Kcnh1</i>	2.2244	1.0055	29.3872	5.92674E-08	1.11636E-06
<i>Ulbp1</i>	1.1579	2.5395	29.3233	6.12553E-08	1.15182E-06
<i>Lrr1</i>	2.3121	0.3836	29.0810	6.94143E-08	1.2864E-06
<i>Mms22l</i>	1.2219	2.6871	29.0718	6.97455E-08	1.29035E-06
<i>Defb1</i>	1.1583	5.2741	28.9487	7.43225E-08	1.37038E-06
<i>Pdcd1</i>	5.7552	-1.2382	28.8297	7.90297E-08	1.45092E-06
<i>Spire2</i>	1.3182	2.3957	28.7186	8.36966E-08	1.52647E-06
<i>Sult4a1</i>	3.1918	-0.2026	28.6711	8.57737E-08	1.55914E-06
<i>Mgst2</i>	1.9633	2.5435	28.6325	8.75008E-08	1.58657E-06
<i>Racgap1</i>	1.2442	4.6368	28.6214	8.80064E-08	1.59441E-06
<i>Spdl1</i>	1.1800	2.6903	28.1432	1.12665E-07	1.98675E-06
<i>Kifc1</i>	1.2667	2.4159	28.1135	1.14403E-07	2.01252E-06
<i>Cdca3</i>	1.6487	3.2333	27.9973	1.21482E-07	2.12676E-06
<i>Fancd2</i>	1.3175	1.9088	27.9668	1.23417E-07	2.15546E-06
<i>Ces2g</i>	1.7470	6.0902	27.9391	1.25197E-07	2.18131E-06
<i>Cdk17</i>	1.0448	4.1428	27.7668	1.36854E-07	2.37305E-06
<i>Rad51</i>	1.0878	2.9807	27.4757	1.59084E-07	2.71577E-06
<i>Fam3b</i>	1.0058	3.7212	27.3494	1.6982E-07	2.86724E-06
<i>Stil</i>	1.5760	2.0126	27.3165	1.72727E-07	2.91408E-06
<i>Ttc34</i>	2.9234	0.0194	27.3032	1.73922E-07	2.93196E-06
<i>Trib3</i>	1.1999	3.9059	27.2964	1.74538E-07	2.93566E-06
<i>Tmprss11a</i>	3.2458	1.6413	27.2578	1.78055E-07	2.99009E-06
<i>Gstm6</i>	1.7101	1.9292	27.1404	1.89199E-07	3.16505E-06
<i>Ercc6l</i>	1.5145	2.5672	27.0941	1.93786E-07	3.22601E-06
<i>Spx</i>	3.2705	0.4261	27.0845	1.94753E-07	3.23812E-06
<i>Cd101</i>	1.9674	1.3884	26.8906	2.15308E-07	3.55551E-06
<i>Avpi1</i>	1.4741	6.2712	26.8415	2.20846E-07	3.62775E-06
<i>Parpbp</i>	1.5364	1.7051	26.8175	2.23605E-07	3.66205E-06
<i>Nppb</i>	4.7751	-0.8612	26.5503	2.5677E-07	4.14304E-06
<i>Pbk</i>	1.7359	2.9285	26.5385	2.58337E-07	4.16525E-06
<i>Hoxa1</i>	1.2551	1.6040	26.4766	2.66755E-07	4.28201E-06
<i>Prim2</i>	1.0098	2.9293	26.4348	2.72583E-07	4.35953E-06
<i>Fam46b</i>	1.3839	5.7381	26.4302	2.73234E-07	4.36674E-06
<i>Rfng</i>	1.0335	5.2327	26.3573	2.83744E-07	4.50503E-06
<i>Slc20a1</i>	1.0272	4.8458	26.3490	2.84964E-07	4.52111E-06
<i>Il24</i>	4.9707	-0.2607	26.2933	2.93305E-07	4.63121E-06
<i>Akr1b8</i>	1.3051	4.5844	26.2552	2.99145E-07	4.70845E-06
<i>Kcnv1</i>	3.6297	-0.1065	26.0727	3.28799E-07	5.11254E-06
<i>Fgf3</i>	6.5353	-0.7302	26.0689	3.29455E-07	5.1191E-06
<i>Ncapg2</i>	1.4394	2.9712	26.0256	3.36913E-07	5.21641E-06
<i>Fanca</i>	1.3011	1.9240	25.9581	3.48903E-07	5.37537E-06
<i>Sox15</i>	1.4636	3.1928	25.9439	3.51486E-07	5.40372E-06
<i>Fyb2</i>	2.3738	0.1288	25.9019	3.59211E-07	5.51472E-06
<i>Dyrk3</i>	1.7488	0.7407	25.7193	3.94849E-07	6.01952E-06
<i>Cmtm1</i>	5.3603	-1.4723	25.3350	4.81897E-07	7.14694E-06
<i>Abcg4</i>	1.7035	3.7562	25.2890	4.93512E-07	7.30926E-06
<i>Hp</i>	1.9139	6.7609	25.2709	4.98168E-07	7.36323E-06
<i>Rnase1</i>	1.1976	3.6951	25.2383	5.06661E-07	7.46351E-06
<i>Eme1</i>	1.2765	1.6249	25.0786	5.50408E-07	8.04281E-06
<i>Gjb1</i>	2.5056	0.9746	24.8933	6.05915E-07	8.7717E-06
<i>Slc2a9</i>	1.1172	2.6887	24.8912	6.0659E-07	8.77565E-06
<i>Fbxl22</i>	1.3501	1.5657	24.8749	6.11748E-07	8.84441E-06
<i>Dph2</i>	1.8529	1.5596	24.7945	6.37785E-07	9.14214E-06

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<i>2210017I01Rik</i>	1.4972	4.4870	24.7563	6.50549E-07	9.30067E-06
<i>Kcnq2</i>	2.9048	-0.2724	24.7210	6.6259E-07	9.44807E-06
<i>Mcm10</i>	2.0601	1.8802	24.5555	7.22006E-07	1.01954E-05
<i>Rpl27</i>	1.1616	4.4288	24.1929	8.71532E-07	1.19965E-05
<i>Crabp2</i>	1.0486	6.3929	24.1076	9.10995E-07	1.24611E-05
<i>Gm38119</i>	3.1581	0.7504	23.9910	9.67858E-07	1.31238E-05
<i>Tmprss11d</i>	3.1447	1.8800	23.9503	9.88554E-07	1.33629E-05
<i>Olfr1388</i>	1.7446	1.7686	23.8857	1.02226E-06	1.37622E-05
<i>Recql4</i>	1.2960	2.3205	23.8672	1.03217E-06	1.38666E-05
<i>Tmem254a</i>	1.6429	1.7849	23.8232	1.05603E-06	1.4135E-05
<i>Fer1l4</i>	4.1107	-1.0435	23.7724	1.08429E-06	1.44777E-05
<i>Iqgap3</i>	1.1763	3.3009	23.7031	1.12402E-06	1.49716E-05
<i>U90926</i>	4.8042	-0.8458	23.7014	1.125E-06	1.49755E-05
<i>Lgals4</i>	1.2908	5.8693	23.6296	1.16775E-06	1.54747E-05
<i>Cd274</i>	1.0071	3.8433	23.4793	1.26262E-06	1.65851E-05
<i>2010005H15Rik</i>	4.4693	-0.1407	23.4169	1.30425E-06	1.70702E-05
<i>Ripk3</i>	1.1256	3.5582	23.0897	1.54615E-06	1.98786E-05
<i>Nme1</i>	1.1310	4.1569	23.0819	1.55244E-06	1.99361E-05
<i>Kcnc3</i>	1.0710	3.1809	23.0309	1.59422E-06	2.03886E-05
<i>Atp13a5</i>	1.3164	3.3914	23.0063	1.61475E-06	2.0615E-05
<i>Slc1a1</i>	1.0024	4.1574	22.9509	1.66197E-06	2.1193E-05
<i>Vsnl1</i>	1.4947	1.5177	22.9194	1.68934E-06	2.15169E-05
<i>Lce1f</i>	1.0857	7.9610	22.8521	1.74955E-06	2.21932E-05
<i>Esco2</i>	1.5608	1.8064	22.7631	1.83248E-06	2.31778E-05
<i>Dnah10</i>	2.1458	0.6544	22.6982	1.89545E-06	2.38409E-05
<i>Styk1</i>	1.0446	2.1345	22.5364	2.06203E-06	2.56091E-05
<i>Kifc5b</i>	1.1493	2.4959	22.4969	2.10481E-06	2.60636E-05
<i>Serpina9</i>	3.4005	1.5202	22.4514	2.15534E-06	2.65987E-05
<i>Dsc2</i>	2.8403	4.2409	22.3415	2.28219E-06	2.80532E-05
<i>Syt12</i>	1.0163	2.9988	22.3223	2.30513E-06	2.83193E-05
<i>Ccl3</i>	2.6736	-0.2268	22.1703	2.49501E-06	3.03954E-05
<i>Sprr3</i>	3.5009	-0.6163	21.9385	2.8153E-06	3.39188E-05
<i>Blm</i>	1.2577	2.0022	21.8829	2.89811E-06	3.48013E-05
<i>Ush2a</i>	2.7302	-0.5606	21.8563	2.93858E-06	3.51326E-05
<i>Cenph</i>	1.1749	1.8617	21.7329	3.1337E-06	3.7241E-05
<i>Cmtm2a</i>	5.4444	-1.4354	21.4161	3.69654E-06	4.29023E-05
<i>Rps6kb2</i>	1.1785	5.3956	21.4024	3.723E-06	4.31635E-05
<i>Aldh1l2</i>	2.2688	2.4172	21.2283	4.07711E-06	4.67475E-05
<i>Sgo2a</i>	1.5354	1.5644	21.2025	4.13214E-06	4.7248E-05
<i>Etv4</i>	1.2515	3.4609	21.0416	4.49418E-06	5.08882E-05
<i>Gm5615</i>	1.0921	2.1612	21.0392	4.49981E-06	5.09256E-05
<i>Serpinb12</i>	1.8959	6.4183	21.0310	4.51905E-06	5.10904E-05
<i>Apol9b</i>	1.5825	2.2982	20.9423	4.73338E-06	5.31829E-05
<i>Tspan3</i>	1.1389	6.5836	20.9322	4.75827E-06	5.34351E-05
<i>Lrp8</i>	2.1301	1.7976	20.8121	5.0661E-06	5.65429E-05
<i>Rbbp8nl</i>	1.1072	2.8317	20.7911	5.12201E-06	5.70503E-05
<i>Tmem51</i>	1.1566	3.8323	20.7680	5.18413E-06	5.76834E-05
<i>Glt1d1</i>	2.3843	0.5255	20.7138	5.33308E-06	5.92501E-05
<i>Slc18a1</i>	3.6570	-0.7733	20.6910	5.39677E-06	5.97146E-05
<i>Dhcr24</i>	1.0987	8.8177	20.6742	5.44444E-06	6.01201E-05
<i>Cenpm</i>	1.7175	1.3464	20.6586	5.48914E-06	6.04914E-05
<i>Clec4n</i>	1.3409	2.1159	20.5733	5.73905E-06	6.29911E-05
<i>Sowahb</i>	1.0588	2.4936	20.5346	5.85626E-06	6.40521E-05
<i>Cpn1</i>	3.3490	-0.1680	20.4589	6.09271E-06	6.6207E-05
<i>Tmem139</i>	1.1189	1.9662	20.4487	6.12519E-06	6.64277E-05
<i>Lipg</i>	1.2444	3.6852	20.4200	6.21777E-06	6.73314E-05
<i>Wdr62</i>	1.5342	3.6727	20.2337	6.85337E-06	7.34492E-05
<i>Gp1bb</i>	1.3683	3.3888	20.0792	7.43018E-06	7.89335E-05

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<i>Gml</i>	4.2999	-1.1830	19.9849	7.8056E-06	8.22714E-05
<i>Mgarp</i>	2.1276	2.5279	19.8438	8.40351E-06	8.79047E-05
<i>Fam83d</i>	1.1257	2.9362	19.8348	8.44332E-06	8.82631E-05
<i>Oas1a</i>	1.2244	4.2879	19.5044	1.00366E-05	0.00010282
<i>Selp</i>	1.1780	2.8206	19.4511	1.0321E-05	0.000105387
<i>Olfr509</i>	2.0595	-0.0103	19.3040	1.1147E-05	0.000112298
<i>Adamts18</i>	5.8879	-1.1733	19.2952	1.11989E-05	0.000112769
<i>Traip</i>	1.2848	2.2777	19.1920	1.18208E-05	0.000118105
<i>Alox8</i>	3.4936	5.4854	19.1553	1.20501E-05	0.000119931
<i>Aldh1l1</i>	1.0690	3.8544	19.1549	1.20529E-05	0.000119931
<i>Bcl2a1b</i>	1.4711	0.7910	19.0339	1.28415E-05	0.000126623
<i>Grip1</i>	1.7812	2.0143	18.9130	1.36816E-05	0.000133879
<i>Chtf18</i>	1.3014	1.9291	18.8763	1.39476E-05	0.000136298
<i>Prg4</i>	1.8568	3.2964	18.8571	1.40886E-05	0.000137307
<i>Rnf152</i>	1.2119	3.1887	18.8550	1.41039E-05	0.000137395
<i>Tmem92</i>	1.9029	0.2104	18.8224	1.43475E-05	0.000139519
<i>Serpinb1a</i>	1.0628	5.4930	18.8193	1.43706E-05	0.000139681
<i>Timeless</i>	1.2568	2.4287	18.7170	1.51627E-05	0.000146209
<i>Ska1</i>	1.7130	1.5671	18.3861	1.8037E-05	0.00016958
<i>Ippk</i>	1.3950	3.8764	18.3565	1.83193E-05	0.000171865
<i>Myl7</i>	3.8499	-1.4393	18.2806	1.90641E-05	0.000177706
<i>Gzmb</i>	2.7565	-0.3123	18.1893	1.99998E-05	0.000185321
<i>Il17f</i>	3.9988	-0.8860	18.1756	2.01444E-05	0.000186186
<i>Cellf5</i>	1.5268	0.5038	18.1731	2.01703E-05	0.000186331
<i>Bfsp1</i>	1.7304	2.0439	18.1725	2.01771E-05	0.000186331
<i>Gm12248</i>	1.2909	1.9697	18.0834	2.11434E-05	0.000193861
<i>9130230L23Rik</i>	2.1695	-0.4308	17.9126	2.31287E-05	0.000209686
<i>Lrat</i>	2.1370	2.1495	17.9049	2.32219E-05	0.000210355
<i>Prr9</i>	2.2830	1.5941	17.7584	2.50803E-05	0.000224409
<i>BC030867</i>	2.5961	0.9891	17.6401	2.66895E-05	0.000237046
<i>Fabp12</i>	4.9013	-1.7090	17.6177	2.70058E-05	0.00023966
<i>Trim58</i>	3.9388	-1.3919	17.6088	2.71327E-05	0.000240689
<i>Col6a5</i>	1.7107	2.4718	17.5833	2.74995E-05	0.000243573
<i>Il4ra</i>	1.0719	4.9457	17.4787	2.90543E-05	0.000255348
<i>Otud7a</i>	2.2033	-0.6290	17.4116	3.00986E-05	0.000263782
<i>Gm340</i>	1.0752	1.6659	17.4019	3.02518E-05	0.000264806
<i>Usp3</i>	1.0320	4.7125	17.2150	3.33796E-05	0.00028746
<i>Zbtb7c</i>	1.0118	4.4387	17.1478	3.45807E-05	0.000296284
<i>Stx11</i>	1.1965	3.2755	17.0903	3.56436E-05	0.000304316
<i>Gsta1</i>	1.5662	2.5147	16.9892	3.75931E-05	0.000318469
<i>Oas1g</i>	2.1169	1.8433	16.9667	3.80412E-05	0.000321891
<i>Fosl1</i>	1.7487	3.5455	16.9558	3.82608E-05	0.000323498
<i>Sim2</i>	2.5622	-0.8280	16.9436	3.85074E-05	0.000324828
<i>Mos</i>	4.6890	-0.9644	16.9117	3.9159E-05	0.000329053
<i>Ahsg</i>	2.6057	-0.5049	16.8555	4.03364E-05	0.000338166
<i>Dscc1</i>	1.5725	0.6555	16.8087	4.13444E-05	0.000345555
<i>Epop</i>	1.3228	2.8086	16.7955	4.16319E-05	0.000347426
<i>Spink4</i>	1.8346	1.0506	16.7918	4.17134E-05	0.000347973
<i>Gmnn</i>	1.0863	3.0930	16.5462	4.74782E-05	0.000392315
<i>Mmp13</i>	3.4614	2.0787	16.5325	4.7824E-05	0.000394873
<i>Cenpa</i>	1.4390	2.3311	16.4120	5.09611E-05	0.00041746
<i>2300002M23Rik</i>	7.1754	-0.2362	16.3604	5.23691E-05	0.000428031
<i>Olfr656</i>	2.5109	-1.0245	16.3268	5.33034E-05	0.000433907
<i>Sptbn4</i>	1.5115	1.2997	16.2768	5.47289E-05	0.000442842
<i>Mfsd2a</i>	1.0481	4.2638	16.2281	5.61557E-05	0.000452374
<i>Samd12</i>	5.6185	-1.3291	16.2030	5.69037E-05	0.000457556
<i>Il23a</i>	2.7884	-0.7654	16.1821	5.75357E-05	0.000462127
<i>Krt82</i>	4.2519	-1.2351	16.1561	5.83319E-05	0.000467319

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<i>Rad18</i>	1.2631	2.3462	15.9278	6.58043E-05	0.000519
<i>Ankrd37</i>	1.2014	2.1731	15.9096	6.64424E-05	0.000523459
<i>Hist1h2ah</i>	4.6731	-1.8112	15.8847	6.73204E-05	0.000529611
<i>Ugt1a7c</i>	1.1004	3.8527	15.8001	7.04005E-05	0.000550076
<i>Entpd3</i>	1.5224	0.8626	15.7679	7.16084E-05	0.00055821
<i>Fhad1</i>	3.5852	-0.0153	15.7228	7.3333E-05	0.000569727
<i>Cyp4a12a</i>	4.9128	-1.7079	15.7089	7.3874E-05	0.000572504
<i>Mkl</i>	1.1520	2.1882	15.6282	7.70943E-05	0.000594926
<i>Mansc1</i>	1.0704	3.7527	15.5208	8.16004E-05	0.000625059
<i>Depdc1b</i>	1.6051	1.2893	15.4745	8.36265E-05	0.000637448
<i>Gzmc</i>	1.2348	2.1161	15.3556	8.90566E-05	0.000672694
<i>Il13ra2</i>	1.3962	0.7920	15.2817	9.26115E-05	0.000696692
<i>Elfn1</i>	3.0152	-1.1669	15.1522	9.91831E-05	0.000741022
<i>Gm5724</i>	5.2976	-1.5175	15.0421	0.000105139	0.000777414
<i>Cdkn3</i>	1.3811	1.4732	15.0148	0.000106669	0.000786186
<i>Slnf4</i>	1.8612	1.7492	14.8362	0.000117261	0.000854445
<i>Nell1</i>	1.7888	0.5749	14.8299	0.000117655	0.000856176
<i>Il12b</i>	2.7625	-0.3888	14.8093	0.00011895	0.000863581
<i>Dppa2</i>	5.0217	-1.6579	14.8014	0.000119445	0.00086575
<i>Mtfr2</i>	1.1601	1.0706	14.7225	0.000124548	0.00089618
<i>Rdh16</i>	1.0375	1.6544	14.7165	0.00012495	0.000897822
<i>Cd59b</i>	1.3174	1.8853	14.4519	0.000143786	0.001011601
<i>Pitx1</i>	2.1153	2.6594	14.4204	0.000146207	0.001025902
<i>Rad51ap1</i>	1.1516	1.3021	14.3863	0.00014888	0.001041732
<i>Troap</i>	1.1180	1.8959	14.3078	0.00015522	0.001078486
<i>Cotl1</i>	1.0075	5.9792	14.2139	0.000163161	0.001126846
<i>Nmu</i>	5.4110	-0.4641	14.1808	0.000166058	0.001144685
<i>Tnfrsf9</i>	1.5848	1.1596	14.1742	0.000166644	0.001147633
<i>Adamts4</i>	2.1901	0.8075	14.1579	0.00016809	0.00115577
<i>Serpina3n</i>	1.0918	5.7023	14.1519	0.000168625	0.001159088
<i>Podnl1</i>	3.5023	-1.6431	14.1194	0.000171564	0.001175952
<i>Kif24</i>	1.0260	1.7313	14.0648	0.000176619	0.001204555
<i>B3gnt7</i>	1.3975	0.5336	14.0545	0.000177586	0.001209985
<i>Defb14</i>	1.1028	3.4552	14.0438	0.000178598	0.001215772
<i>Igf2bp2</i>	2.4942	2.2664	13.9963	0.000183169	0.001240698
<i>Fgfbp3</i>	1.0403	1.8173	13.9130	0.000191472	0.001289733
<i>Tll2</i>	1.2420	1.3651	13.9065	0.000192129	0.001293363
<i>Ceacam16</i>	2.2993	-0.9801	13.8255	0.000200591	0.001342874
<i>Fanci</i>	1.1557	2.7884	13.7436	0.000209533	0.001394185
<i>Zfp541</i>	2.8842	-1.2414	13.7134	0.000212929	0.001412906
<i>Sorcs2</i>	1.3546	3.2130	13.3652	0.000256338	0.001666503
<i>Cenpp</i>	1.2788	0.7689	13.2945	0.000266183	0.001723322
<i>Gm4491</i>	4.3880	-1.9271	13.2868	0.000267276	0.001729374
<i>Carmil2</i>	1.1378	0.5980	13.2150	0.00027772	0.00178847
<i>Kif14</i>	1.7036	2.3486	13.1766	0.000283461	0.001818997
<i>Dthd1</i>	4.3846	-1.9280	13.1023	0.000294934	0.001882148
<i>Rgs3</i>	1.0895	3.2454	13.0847	0.00029771	0.001895946
<i>Ngf</i>	1.0897	2.0405	13.0713	0.000299857	0.001907954
<i>Rp111</i>	4.3903	-1.9268	13.0559	0.000302336	0.001921483
<i>Gins1</i>	1.0986	2.2337	12.9758	0.000315535	0.001992031
<i>Jmjd4</i>	1.0707	2.6658	12.8463	0.000338144	0.00211156
<i>Adam12</i>	1.5906	2.4777	12.8120	0.000344406	0.002145733
<i>Depdc1a</i>	1.4577	1.6950	12.7740	0.000351479	0.002185459
<i>Rdh9</i>	1.1924	1.6681	12.7402	0.000357875	0.002218679
<i>Tpcn2</i>	1.3462	2.4554	12.5389	0.000398564	0.002433179
<i>Grp</i>	2.9773	-1.4801	12.5261	0.000401309	0.002447883
<i>Scd2</i>	1.1712	7.0429	12.4872	0.000409741	0.002496528
<i>Chil4</i>	4.4044	-1.9250	12.4442	0.0004193	0.002549788

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<i>Olfr11</i>	2.8322	-1.3838	12.4059	0.000427984	0.002593202
<i>Il33</i>	1.2061	6.4279	12.3782	0.000434381	0.002627592
<i>Mxd3</i>	1.0692	1.4077	12.2875	0.000456014	0.002742488
<i>Nsl1</i>	1.0191	1.5106	12.1814	0.000482676	0.002881406
<i>Slc4a9</i>	1.0756	0.8410	12.1535	0.000489957	0.002919282
<i>Amn</i>	2.2829	-0.9409	12.1193	0.000499033	0.002964457
<i>Arg1</i>	1.4460	5.6706	12.0768	0.000510535	0.00301911
<i>Cyp2s1</i>	1.4340	4.4036	12.0255	0.000524774	0.003094635
<i>Il17a</i>	3.4821	-1.6175	11.9243	0.000554068	0.003241117
<i>Sele</i>	1.3274	2.0069	11.8826	0.000566609	0.003307388
<i>Prss51</i>	2.2207	-1.1721	11.8344	0.00058145	0.003385871
<i>Kif26b</i>	1.1983	3.4568	11.8143	0.000587791	0.003414599
<i>Gsdma3</i>	1.0543	2.0700	11.7986	0.000592758	0.003437052
<i>Oip5</i>	1.5576	-0.2711	11.7863	0.000596676	0.003457811
<i>Olfr1316</i>	1.9866	-0.0037	11.7370	0.000612697	0.003536695
<i>Gm3336</i>	2.1954	-1.0132	11.6816	0.000631206	0.003632016
<i>Pax8</i>	3.2803	-1.7078	11.6789	0.000632131	0.003635037
<i>Lif</i>	1.2085	1.9576	11.6774	0.000632634	0.003636396
<i>Cdc25c</i>	1.1301	2.1236	11.6622	0.000637843	0.003660556
<i>Cdc6</i>	1.2395	1.9860	11.5254	0.000686507	0.003906969
<i>Erfe</i>	1.1682	1.1408	11.4403	0.000718666	0.004063506
<i>Hist1h2ag</i>	4.5991	-1.8507	11.4337	0.000721253	0.004074969
<i>Prl2c2</i>	5.6732	-1.3256	11.4046	0.000732633	0.004130711
<i>Isg15</i>	1.1341	3.6619	11.3917	0.000737712	0.004153982
<i>Alg9</i>	1.0295	3.3400	11.2854	0.00078117	0.004359338
<i>Spink12</i>	4.6842	-1.8131	11.2844	0.000781591	0.004360572
<i>Clcf1</i>	1.5349	2.4070	11.2759	0.000785189	0.004378409
<i>Slc26a4</i>	3.7919	-0.2295	11.2000	0.000817957	0.00453334
<i>Dynlt1a</i>	1.7375	1.1745	11.1994	0.000818234	0.004533725
<i>Slc29a4</i>	2.0547	-0.8336	11.1097	0.000858777	0.004728364
<i>Kcnmb4</i>	1.5176	0.6503	10.9985	0.000911869	0.00498423
<i>Mroh3</i>	5.7406	-1.2419	10.9504	0.000935854	0.005105106
<i>B4galnt3</i>	1.8076	1.9624	10.9333	0.000944505	0.005142015
<i>Trank1</i>	4.2721	-1.9758	10.9301	0.000946166	0.005149778
<i>Isx</i>	3.9073	-1.4299	10.8983	0.000962548	0.005231112
<i>Fbxo5</i>	1.0410	2.5969	10.8409	0.000992847	0.005371709
<i>Havcr1</i>	2.4549	-1.2512	10.7998	0.00101511	0.005477227
<i>Mboat4</i>	1.0617	0.4661	10.7763	0.001028102	0.005531206
<i>Clca1</i>	1.2765	3.6705	10.7198	0.001059949	0.005675678
<i>Antxrl</i>	1.6274	-0.4966	10.7192	0.001060309	0.005676216
<i>Tmprss11e</i>	1.7667	2.6882	10.6807	0.001082587	0.005777063
<i>Rps27</i>	2.1725	1.2724	10.6600	0.001094801	0.005827993
<i>Rundc3a</i>	1.9910	2.1602	10.5940	0.001134577	0.006003141
<i>Dctd</i>	1.0664	1.7398	10.5345	0.001171661	0.006169448
<i>Adgrg7</i>	2.7843	-1.5739	10.4065	0.001255706	0.006540994
<i>Pgbd1</i>	1.1126	1.1719	10.3573	0.001289648	0.006687483
<i>Aunip</i>	1.9372	-0.4070	10.3443	0.001298771	0.0067284
<i>Trem1</i>	2.4445	-1.2476	10.3394	0.001302213	0.006741432
<i>Stfa2l1</i>	4.4154	-1.9215	10.2592	0.001360016	0.006997527
<i>B3galt5</i>	2.1675	-0.3939	10.1849	0.001415945	0.007246387
<i>Hist1h2ae</i>	2.2618	-1.0070	10.1762	0.00142268	0.007270255
<i>Nup210l</i>	1.2922	-0.1928	10.1600	0.001435185	0.007322159
<i>Aqp5</i>	2.8199	2.0705	10.1438	0.001447836	0.007374641
<i>Cthrc1</i>	1.2864	2.1536	10.1393	0.00145142	0.007389448
<i>Snap25</i>	6.0086	-1.0524	10.1108	0.001474064	0.007487274
<i>Dgkq</i>	1.0537	3.2805	10.0736	0.001504051	0.00763071
<i>Mobp</i>	3.1845	-1.7389	9.9314	0.001624794	0.008146731
<i>Mip</i>	4.0514	-2.0486	9.9240	0.001631382	0.008172256

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<i>Krt4</i>	1.1533	1.4258	9.8847	0.001666579	0.008316136
<i>2310034C09Rik</i>	4.2448	-1.9858	9.8706	0.001679376	0.008370422
<i>Ptgdr2</i>	1.6042	-0.5153	9.7494	0.001793834	0.008849987
<i>Mei1</i>	4.9239	-1.7078	9.6504	0.001893115	0.009247841
<i>Pif1</i>	1.5805	1.3120	9.6472	0.001896428	0.009261949
<i>Igf2bp1</i>	2.5891	-0.9682	9.6392	0.001904688	0.009293974
<i>4930578G10Rik</i>	4.0542	-2.0486	9.6072	0.001938207	0.009430132
<i>Gnat1</i>	4.9835	-1.6468	9.6028	0.001942856	0.009450642
<i>Mmp8</i>	2.4419	-1.0382	9.5209	0.002031426	0.009828914
<i>Hist1h2ap</i>	4.8884	-1.7450	9.5021	0.002052397	0.009916424
<i>Fbxo48</i>	1.5962	-0.5161	9.4914	0.002064371	0.009968432
<i>Cplx3</i>	4.0244	-2.0521	9.4853	0.00207121	0.009992615
<i>Ina</i>	2.7179	-1.3140	9.4117	0.002156052	0.010350911
<i>4930507D05Rik</i>	1.6880	-0.9215	9.3954	0.002175264	0.010423292
<i>Sell</i>	1.0860	0.8355	9.3681	0.002207977	0.010559092
<i>Dna2</i>	2.1585	1.4723	9.3637	0.002213246	0.010577358
<i>Shisa6</i>	2.5029	-1.4368	9.3562	0.002222287	0.010613598
<i>Ntrk1</i>	2.3747	0.7080	9.3514	0.002228158	0.010636981
<i>Kcnp2</i>	1.0960	1.1916	9.3498	0.002230086	0.010643856
<i>Kcnd2</i>	2.1262	-1.0695	9.2285	0.002382807	0.011254665
<i>Steap1</i>	1.4539	-0.5197	9.1842	0.002441082	0.011505021
<i>Clca3b</i>	3.2201	-1.0380	9.1718	0.002457682	0.011570769
<i>Spink10</i>	3.9448	-2.0837	9.1632	0.002469341	0.01161564
<i>Oas3</i>	1.2168	3.1005	9.1038	0.002550845	0.011944978
<i>Pglyrp2</i>	1.2952	0.8118	9.0804	0.002583705	0.012080718
<i>Atp7b</i>	1.9384	-1.1771	9.0147	0.002678135	0.012466175
<i>Cxcl3</i>	2.6353	-1.3630	8.9473	0.002778747	0.012860574
<i>Ptpn5</i>	1.3218	1.4282	8.9034	0.002846407	0.013104156
<i>Gpr39</i>	1.6903	-0.4894	8.8751	0.002890919	0.013269819
<i>Arhgef39</i>	1.1742	0.6955	8.8744	0.00289196	0.013269819
<i>Trim6</i>	1.2096	0.5986	8.8381	0.002950022	0.013504284
<i>Cd6</i>	3.4153	-1.5646	8.8189	0.002981252	0.0136073
<i>Uba7</i>	4.5929	-0.0271	8.6518	0.003267422	0.014716543
<i>Artn</i>	1.5698	-0.0560	8.6488	0.003272746	0.014731407
<i>Cd5</i>	1.6815	-0.3905	8.6222	0.0033209	0.014914205
<i>1700016H13Rik</i>	3.3167	-1.3164	8.6171	0.003330171	0.014946742
<i>Klrb1c</i>	1.9928	-1.3346	8.6113	0.003340771	0.014981999
<i>4933405L10Rik</i>	1.7365	-0.9081	8.5865	0.003386673	0.015153608
<i>Muc5b</i>	4.0754	-2.0474	8.5717	0.003414276	0.015247217
<i>Il22</i>	3.8216	-2.1168	8.5660	0.003424963	0.015274844
<i>Cln3</i>	3.0381	-1.8155	8.5594	0.003437344	0.015308171
<i>Adamts13</i>	1.3673	0.4739	8.3522	0.003852284	0.016887393
<i>Tmem132d</i>	1.8200	-0.3034	8.3435	0.003870751	0.016954728
<i>Zfp365</i>	1.5352	2.3587	8.2350	0.004108993	0.017844326
<i>Crnn</i>	2.1141	0.3571	8.1999	0.004189168	0.018124003
<i>Rem2</i>	1.4318	0.4156	8.1423	0.004324487	0.018631908
<i>Gm5483</i>	3.8773	-2.1049	8.1418	0.004325556	0.018632838
<i>Pacsin1</i>	2.1489	-1.3978	8.0755	0.004486733	0.01918329
<i>Cd4</i>	1.3552	1.3713	8.0518	0.00454594	0.01940223
<i>Ldhal6b</i>	1.8502	-1.2129	8.0327	0.004594138	0.019565863
<i>Hspb9</i>	1.9625	-1.1305	8.0158	0.004637005	0.01971382
<i>Timp1</i>	1.0848	2.0627	7.9756	0.00474127	0.020094478
<i>Ces2c</i>	2.8925	-1.5102	7.8897	0.004971835	0.020901238
<i>Kbtbd6</i>	1.1300	-0.1096	7.8730	0.005017748	0.021053713
<i>Gm10110</i>	3.9039	-2.0900	7.8096	0.00519683	0.021692543
<i>Saa2</i>	2.4344	-1.7119	7.6475	0.005685011	0.023408048
<i>Cecr6</i>	3.8461	-2.1141	7.6456	0.005691159	0.023428945
<i>Spink7</i>	4.5904	-1.8665	7.6125	0.005796623	0.023764523
<i>Cyp19a1</i>	3.6364	-2.1562	7.6025	0.005828758	0.023882812

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<i>Gpr3</i>	1.3414	-0.1203	7.5726	0.005926348	0.024219037
<i>Creb3l3</i>	2.0665	0.6107	7.5108	0.006132902	0.024927832
<i>Lactbl1</i>	3.5903	-2.1832	7.4999	0.006170083	0.025060293
<i>Gm7361</i>	3.8255	-2.1149	7.4144	0.006470279	0.026066187
<i>Gm19345</i>	2.4809	-0.7304	7.4115	0.006480847	0.026094314
<i>Hist1h3h</i>	1.7073	-1.0883	7.4074	0.00649558	0.026139172
<i>Ttpa</i>	1.2747	1.7709	7.3948	0.006541323	0.026308701
<i>Olfr734</i>	3.8570	-2.1144	7.3712	0.006627653	0.026553184
<i>Gls2</i>	1.4802	0.6588	7.3683	0.006638275	0.02658598
<i>Gbx2</i>	3.5871	-2.1837	7.3487	0.006711102	0.026833345
<i>Csf3</i>	3.5940	-2.1826	7.3474	0.006716019	0.026833346
<i>Pnma5</i>	2.4610	-1.7160	7.3294	0.006783526	0.027078287
<i>Spesp1</i>	4.2740	-1.9847	7.2678	0.007019996	0.027904867
<i>Tekt5</i>	1.2886	-0.6083	7.2531	0.007077683	0.028093256
<i>Fpr1</i>	2.4453	-1.7145	7.2525	0.007080126	0.028097842
<i>Gm5934</i>	3.5915	-2.1818	7.2314	0.007164102	0.028374368
<i>Rph3a</i>	2.4840	-1.7068	7.2258	0.007186287	0.028441595
<i>Muc13</i>	2.8726	-0.7438	7.2120	0.007241608	0.028607825
<i>Oxt</i>	2.7885	-1.9124	7.1983	0.007297155	0.028765732
<i>Ninj2</i>	3.5768	-2.1849	7.1878	0.007339925	0.028908156
<i>Slc10a4</i>	3.5830	-2.1841	7.1841	0.007355429	0.02896399
<i>Rims2</i>	1.5530	-0.9760	7.1791	0.007375663	0.029017421
<i>A930017K11Rik</i>	3.5929	-2.1828	7.1788	0.007376973	0.029017421
<i>Bhlha15</i>	1.8314	-1.2091	7.1274	0.007591549	0.029764924
<i>Ccl25</i>	1.0483	0.2640	7.0699	0.007838904	0.030620394
<i>Gsta4</i>	1.5856	4.1296	7.0650	0.007860609	0.030676611
<i>Ppp1r14d</i>	2.4578	-1.7124	7.0268	0.008029856	0.031253303
<i>Rnf183</i>	2.1340	-1.4011	7.0013	0.0081449	0.03162777
<i>Pcdha8</i>	3.6791	-2.1545	6.9505	0.008379518	0.032360385
<i>Csf2</i>	2.2825	-1.5259	6.9068	0.00858689	0.033015215
<i>Col2a1</i>	2.4057	-1.2508	6.8627	0.008801491	0.033733381
<i>Ephx4</i>	1.0405	0.7280	6.8607	0.008811394	0.033765411
<i>Lama1</i>	1.0958	2.8173	6.8508	0.008860371	0.033916521
<i>Ndp</i>	1.6540	-0.4941	6.8401	0.008913573	0.034062873
<i>Vpreb3</i>	3.7882	-2.1179	6.7988	0.009121662	0.03469251
<i>Ddx11</i>	1.0503	2.1123	6.7542	0.009352479	0.035373177
<i>Gprc5a</i>	1.0899	0.4002	6.7450	0.009401203	0.035501915
<i>Gm867</i>	2.7548	-1.9236	6.7421	0.009416182	0.035530368
<i>Cfap54</i>	1.9547	-0.4640	6.6687	0.009812319	0.036781034
<i>Gm21762</i>	3.4774	-2.2140	6.6258	0.010051182	0.037534614
<i>Gsg1</i>	1.9423	-1.4873	6.5508	0.010483899	0.038864663
<i>Gucy2c</i>	1.6300	-1.1762	6.5368	0.010566481	0.039097772
<i>Olfr1382</i>	2.3128	-1.7627	6.5299	0.010607654	0.039203605
<i>2810459M11Rik</i>	2.0841	-1.6206	6.4738	0.010947662	0.040274468
<i>Gzma</i>	1.6671	-1.0513	6.4692	0.010975689	0.040365611
<i>Gm10273</i>	5.2864	-1.5596	6.4516	0.011085304	0.040707025
<i>Cib3</i>	2.7060	-1.9691	6.4448	0.011127535	0.040834155
<i>Dpf1</i>	1.3126	-0.6353	6.4248	0.011253811	0.041194155
<i>Cxcl1</i>	1.1689	0.7298	6.4178	0.011298093	0.041342384
<i>Ifng</i>	3.4175	-2.2245	6.4014	0.011402889	0.041628173
<i>Nsg2</i>	1.8721	0.0129	6.3610	0.011665535	0.042358488
<i>Smim22</i>	3.4065	-2.2280	6.3420	0.011791379	0.042746196
<i>Btbd19</i>	1.4519	0.4343	6.3363	0.011829262	0.042862177
<i>Chil3</i>	2.2800	-1.5304	6.3354	0.011835039	0.042875992
<i>Nrsn2</i>	3.5809	-2.1837	6.3203	0.01193611	0.043184821
<i>Scrt1</i>	1.7562	-1.3998	6.3107	0.012001362	0.043363998
<i>Otp</i>	3.6210	-2.1812	6.2953	0.012106006	0.04366818
<i>4930452B06Rik</i>	3.6277	-2.1809	6.2914	0.012132302	0.043742409

Supplementary_Table_S1

<i>Syce2</i>	1.0355	0.9537	6.1743	0.01296212	0.046162488
<i>Gm12253</i>	2.2045	-1.5711	6.1616	0.013055645	0.046427395
<i>9830107B12Rik</i>	1.1018	0.8939	6.1289	0.013298756	0.047123054
<i>Olf39</i>	3.3587	-2.2409	6.1123	0.013424505	0.047476166
<i>Kcnrg</i>	1.0342	0.5939	6.0899	0.013595972	0.048012564
<i>Lypd1</i>	1.4769	-0.4879	6.0394	0.013990347	0.049198337
<i>Mkrn2os</i>	3.3419	-2.2455	6.0313	0.014054576	0.049360593

Supplementary_Table_S2

Supplementary Table S2. The genes downregulated in the CHS samples compared with the VT controls

Gene	logFC	logCPM	LR	PValue	FDR
<i>Fcrls</i>	-2.2031	3.9482	102.5085	4.29525E-24	7.44203E-22
<i>Krtap3-2</i>	-2.4250	5.0242	94.5789	2.35516E-22	3.47401E-20
<i>Nkd2</i>	-1.9641	3.6416	84.0154	4.90927E-20	5.55307E-18
<i>Timd4</i>	-3.5948	2.2493	80.2682	3.26881E-19	3.49811E-17
<i>Ccl24</i>	-2.3690	3.3266	76.0868	2.71472E-18	2.62234E-16
<i>Wisp2</i>	-1.7592	3.8375	75.5859	3.49851E-18	3.32069E-16
<i>Osr2</i>	-1.6862	3.1503	74.0311	7.68978E-18	7.12708E-16
<i>Lyve1</i>	-2.4152	3.9931	73.9697	7.93238E-18	7.30683E-16
<i>Krtap3-3</i>	-3.4521	1.6190	73.7246	8.98115E-18	8.16948E-16
<i>Reck</i>	-1.7552	4.4047	73.3501	1.08575E-17	9.78318E-16
<i>Il1f10</i>	-2.1520	3.1976	71.2905	3.08319E-17	2.68164E-15
<i>Prrx1</i>	-1.2748	5.6738	67.5381	2.06655E-16	1.70245E-14
<i>Igfbp6</i>	-1.6903	6.0910	67.2111	2.43942E-16	1.98712E-14
<i>Upk3b</i>	-3.6961	0.6548	67.0889	2.59539E-16	2.10632E-14
<i>Prss23</i>	-1.3583	5.8231	66.5860	3.34954E-16	2.67934E-14
<i>Tesc</i>	-2.2558	4.0008	66.2709	3.93024E-16	3.12004E-14
<i>Crfl1</i>	-1.6614	4.1482	64.7679	8.4259E-16	6.45424E-14
<i>Lrrn4cl</i>	-1.4963	5.1223	63.6333	1.49875E-15	1.12052E-13
<i>Gfpt2</i>	-1.5885	5.2373	62.6903	2.41902E-15	1.76032E-13
<i>Islr2</i>	-2.1799	3.4972	62.3647	2.85393E-15	2.0699E-13
<i>Efhdl1</i>	-1.8112	3.4183	62.1961	3.10898E-15	2.24742E-13
<i>Gpx3</i>	-1.5179	8.5929	62.1351	3.20685E-15	2.31052E-13
<i>Ildr2</i>	-2.0084	3.2063	61.5214	4.37964E-15	3.1144E-13
<i>Arhgap20</i>	-1.9407	2.9118	61.2959	4.91111E-15	3.46972E-13
<i>Pcolce2</i>	-1.8134	5.8653	60.6611	6.77957E-15	4.7014E-13
<i>Adrb2</i>	-1.1396	4.6374	60.0092	9.44168E-15	6.46148E-13
<i>Hspa2</i>	-1.2600	3.5975	59.8451	1.02625E-14	6.93622E-13
<i>Clec3b</i>	-1.5974	7.5201	58.0051	2.61439E-14	1.6886E-12
<i>Ltbp4</i>	-1.0780	7.4594	57.7051	3.04513E-14	1.94381E-12
<i>Cyp4v3</i>	-1.6768	4.2109	57.6768	3.08921E-14	1.96048E-12
<i>Mgl2</i>	-2.3999	4.7683	57.6552	3.12335E-14	1.9764E-12
<i>Gypc</i>	-1.3458	3.5865	56.7967	4.83265E-14	2.92248E-12
<i>Igfbp3</i>	-1.2252	7.3046	56.7731	4.891E-14	2.9496E-12
<i>Gpc3</i>	-1.5083	6.2155	56.4173	5.86137E-14	3.51537E-12
<i>Lgr6</i>	-1.3208	5.0695	55.8451	7.84115E-14	4.5648E-12
<i>Lce1m</i>	-1.9006	9.4342	54.1936	1.8168E-13	1.01439E-11
<i>Igfbp5</i>	-1.4116	8.4828	54.0473	1.95722E-13	1.08447E-11
<i>Arsb</i>	-1.2701	4.4724	53.1791	3.04483E-13	1.65353E-11
<i>Plscr4</i>	-1.0932	4.0479	53.0602	3.23482E-13	1.75234E-11
<i>Ar</i>	-1.1037	4.9039	52.6422	4.00191E-13	2.14658E-11
<i>Pi16</i>	-1.6389	7.7134	52.1411	5.16527E-13	2.69768E-11
<i>Epm2a</i>	-1.4695	4.9433	51.8265	6.06273E-13	3.15884E-11
<i>Dennd2a</i>	-1.5610	3.6716	51.6630	6.58928E-13	3.41688E-11
<i>Gstm1</i>	-1.2380	7.0328	51.4805	7.23104E-13	3.71437E-11
<i>Camk2n1</i>	-1.4766	3.6425	51.2413	8.16801E-13	4.17602E-11
<i>Dok2</i>	-1.6227	2.8763	51.1724	8.45977E-13	4.30502E-11
<i>Scara3</i>	-1.6210	5.6082	50.7622	1.04261E-12	5.17298E-11
<i>Plpp3</i>	-1.2751	7.1313	50.4905	1.19744E-12	5.86129E-11
<i>Steap3</i>	-1.3539	5.7897	50.2733	1.3376E-12	6.44615E-11
<i>Slc4a4</i>	-1.5329	3.5110	50.1249	1.44268E-12	6.92199E-11
<i>Ntn1</i>	-1.2888	5.2186	49.5511	1.9327E-12	9.17235E-11
<i>Ehbp1</i>	-1.0828	4.0745	49.2104	2.29928E-12	1.07716E-10
<i>Slc7a2</i>	-1.7703	5.9174	49.1255	2.40093E-12	1.12237E-10
<i>Cpxm2</i>	-1.1974	5.2597	48.7815	2.86125E-12	1.32059E-10
<i>Medag</i>	-1.1784	5.0483	48.5622	3.19971E-12	1.46442E-10
<i>Wnt10b</i>	-1.9707	2.6484	47.8490	4.60347E-12	2.07641E-10

Supplementary_Table_S2

<i>Cebpd</i>	-1.3494	4.9200	47.5710	5.30471E-12	2.36341E-10
<i>Tmem35a</i>	-2.0815	2.3918	47.4587	5.61738E-12	2.49762E-10
<i>Ndn</i>	-1.2253	3.7053	47.4222	5.72303E-12	2.53942E-10
<i>Timp2</i>	-1.3864	8.8147	47.3607	5.90538E-12	2.60972E-10
<i>Klf2</i>	-1.4700	4.4191	47.3374	5.97601E-12	2.6356E-10
<i>Tbxas1</i>	-2.0952	2.0783	46.5710	8.83568E-12	3.76007E-10
<i>Dpp4</i>	-1.3200	6.4452	46.1891	1.07375E-11	4.47347E-10
<i>Tmem177</i>	-1.5256	4.1239	46.0435	1.15655E-11	4.79101E-10
<i>Ccdc149</i>	-1.6747	2.4517	45.8602	1.26999E-11	5.251E-10
<i>Rilpl1</i>	-1.3549	6.2535	45.5435	1.49288E-11	6.09177E-10
<i>Slc17a8</i>	-2.6316	1.1897	44.8489	2.1284E-11	8.51009E-10
<i>Gadd45g</i>	-1.2647	3.6646	43.9031	3.4505E-11	1.32619E-09
<i>Npepl1</i>	-1.0759	5.0679	43.8381	3.56697E-11	1.36137E-09
<i>Plce1</i>	-1.2708	3.3739	43.5438	4.14585E-11	1.56048E-09
<i>Tbc1d4</i>	-1.2227	4.3298	43.2948	4.70824E-11	1.76003E-09
<i>Sfrp4</i>	-2.5199	5.5623	43.2621	4.78757E-11	1.78662E-09
<i>Wfdc21</i>	-1.4561	6.3260	43.1153	5.16083E-11	1.91935E-09
<i>Smoc2</i>	-1.0571	7.0015	42.9496	5.61675E-11	2.07829E-09
<i>P2rx2</i>	-1.9179	2.9916	42.8199	6.00175E-11	2.20417E-09
<i>Fndc1</i>	-1.7666	7.2531	42.7694	6.15877E-11	2.25591E-09
<i>A930018M24Rik</i>	-1.6811	3.5382	42.6542	6.53253E-11	2.38481E-09
<i>Ptgis</i>	-1.9710	2.4346	42.6218	6.64139E-11	2.4205E-09
<i>Btc</i>	-1.8000	5.6925	42.5306	6.95837E-11	2.52759E-09
<i>Fbp2</i>	-2.3455	5.7994	42.3957	7.45544E-11	2.69282E-09
<i>Map4k2</i>	-1.0454	3.8922	42.3621	7.58466E-11	2.72775E-09
<i>Adgrd1</i>	-1.6467	5.6561	42.1330	8.52714E-11	3.04674E-09
<i>Gprc5c</i>	-1.2150	4.1464	41.9836	9.20433E-11	3.26731E-09
<i>Ttc9</i>	-1.1343	4.6293	41.9190	9.51319E-11	3.35513E-09
<i>Lama2</i>	-1.2844	6.0836	41.8553	9.82856E-11	3.46076E-09
<i>Ebf3</i>	-1.3319	2.8307	41.6847	1.07244E-10	3.73406E-09
<i>Anxa3</i>	-1.4848	5.0694	40.9200	1.5859E-10	5.35941E-09
<i>Pink1</i>	-1.2376	8.0425	40.7083	1.76738E-10	5.90867E-09
<i>Dnm1</i>	-1.3001	4.9992	40.6961	1.7784E-10	5.93643E-09
<i>Fbxo31</i>	-1.1372	6.7106	40.6534	1.81769E-10	6.0491E-09
<i>Ramp1</i>	-1.3107	4.8115	40.4392	2.02835E-10	6.70922E-09
<i>Emilin2</i>	-1.2499	5.8520	40.3855	2.08479E-10	6.87508E-09
<i>Npr3</i>	-1.2701	4.0914	40.3008	2.17716E-10	7.16886E-09
<i>Dact1</i>	-1.4351	3.2615	40.2161	2.27363E-10	7.44162E-09
<i>Fcna</i>	-2.2134	4.8305	40.1866	2.30829E-10	7.52968E-09
<i>Dcn</i>	-1.2914	9.6141	40.1844	2.31088E-10	7.52968E-09
<i>6030419C18Rik</i>	-1.9702	2.8051	39.9200	2.6458E-10	8.53183E-09
<i>Serpinf1</i>	-1.2685	5.7844	39.9060	2.66488E-10	8.58067E-09
<i>Coro2b</i>	-1.1381	3.9609	39.8420	2.7536E-10	8.82728E-09
<i>Cuedc1</i>	-1.3400	5.1204	39.4939	3.29088E-10	1.04423E-08
<i>Mturn</i>	-1.2820	4.8616	39.4605	3.34765E-10	1.0607E-08
<i>Gstt1</i>	-1.3259	4.0532	39.4342	3.39304E-10	1.07353E-08
<i>Lrrc17</i>	-1.2338	4.0360	39.2274	3.77203E-10	1.18652E-08
<i>Mt4</i>	-1.9595	5.3723	38.9008	4.45889E-10	1.38467E-08
<i>Bicc1</i>	-1.0690	4.5693	38.8171	4.65426E-10	1.43919E-08
<i>Gsn</i>	-1.0572	11.3967	38.6899	4.96775E-10	1.53179E-08
<i>Dpep1</i>	-1.1541	6.3997	38.6274	5.1295E-10	1.57944E-08
<i>Mapk1ip1</i>	-1.0734	4.2684	38.4113	5.73011E-10	1.74712E-08
<i>Slc43a1</i>	-1.1662	4.1809	38.2483	6.2291E-10	1.8861E-08
<i>Ulk2</i>	-1.0403	5.3217	38.2429	6.24624E-10	1.88867E-08
<i>AW551984</i>	-1.7194	4.2949	38.0822	6.78272E-10	2.03119E-08
<i>Plekho2</i>	-1.0779	4.5990	37.9322	7.32446E-10	2.18443E-08
<i>Txnip</i>	-1.0055	9.4302	37.9289	7.33714E-10	2.18523E-08
<i>Nova1</i>	-1.4739	5.1413	37.7176	8.17653E-10	2.41545E-08

Supplementary_Table_S2

<i>Islr</i>	-1.3306	5.7273	37.7049	8.22986E-10	2.42792E-08
<i>Kcnj16</i>	-2.1309	2.7493	37.6370	8.52122E-10	2.5071E-08
<i>Trim63</i>	-1.4430	7.2724	37.6249	8.5741E-10	2.51588E-08
<i>Folr2</i>	-1.6508	5.4656	37.5478	8.91982E-10	2.60681E-08
<i>Abca8a</i>	-1.6647	6.0876	37.4651	9.30628E-10	2.71249E-08
<i>Tek</i>	-1.0432	5.0008	37.2355	1.0469E-09	3.01517E-08
<i>Gpc6</i>	-1.4525	4.1319	37.2056	1.0631E-09	3.04975E-08
<i>Chrdl1</i>	-1.7647	4.9907	37.1505	1.09353E-09	3.12693E-08
<i>Fgfr1</i>	-1.1455	6.6441	37.1492	1.0943E-09	3.12693E-08
<i>Dpt</i>	-1.0432	8.6653	37.0582	1.14658E-09	3.25499E-08
<i>Cd34</i>	-1.1028	7.4405	37.0531	1.14955E-09	3.2592E-08
<i>Cyp26b1</i>	-1.0012	6.6307	36.7992	1.30945E-09	3.67911E-08
<i>4931408C20Rik</i>	-3.7842	-0.0748	36.7503	1.34267E-09	3.75792E-08
<i>Itgbl1</i>	-1.1462	4.5368	36.6332	1.4258E-09	3.96517E-08
<i>Camk2b</i>	-1.1015	5.6718	36.5402	1.49552E-09	4.13797E-08
<i>Cped1</i>	-1.0158	5.1644	36.3215	1.67304E-09	4.58271E-08
<i>Spsb1</i>	-1.1903	4.6434	36.3165	1.67737E-09	4.58879E-08
<i>Cd209b</i>	-1.4409	5.5402	36.0943	1.87993E-09	5.10879E-08
<i>Ccl9</i>	-1.4986	4.8062	36.0716	1.90197E-09	5.15799E-08
<i>Iffo1</i>	-1.7852	2.0877	36.0311	1.9419E-09	5.25976E-08
<i>Gm9747</i>	-1.0730	4.5599	36.0024	1.97076E-09	5.3313E-08
<i>Zrsr1</i>	-1.0655	3.4944	35.8979	2.07935E-09	5.59042E-08
<i>Rab12</i>	-1.0348	5.7553	35.8859	2.09214E-09	5.611E-08
<i>Pik3ip1</i>	-1.1723	5.4435	35.7703	2.22006E-09	5.92255E-08
<i>Cmb1</i>	-1.4081	4.8781	35.6122	2.40777E-09	6.37141E-08
<i>Fam180a</i>	-1.5739	2.1412	35.5204	2.52397E-09	6.65469E-08
<i>Kcnq5</i>	-1.3402	3.7988	35.5037	2.54572E-09	6.70394E-08
<i>Cd209f</i>	-1.5865	4.6186	35.4463	2.62186E-09	6.89611E-08
<i>Gm9780</i>	-1.2826	2.9896	35.3526	2.751E-09	7.19247E-08
<i>Mfsd7b</i>	-1.2521	3.8548	35.2428	2.91061E-09	7.59159E-08
<i>Bach2</i>	-1.0635	3.1055	35.1230	3.09525E-09	8.05393E-08
<i>Hcn4</i>	-2.1641	1.0904	35.0542	3.20653E-09	8.31376E-08
<i>Abca9</i>	-1.3459	5.4336	35.0142	3.27309E-09	8.47627E-08
<i>Gabbr1</i>	-1.1539	4.2406	35.0031	3.29185E-09	8.51473E-08
<i>Dennd4b</i>	-1.2987	5.2509	34.9663	3.35468E-09	8.66699E-08
<i>Ear2</i>	-2.9749	1.6181	34.9566	3.37131E-09	8.69965E-08
<i>Fbxo32</i>	-1.3747	8.4045	34.7025	3.84134E-09	9.79677E-08
<i>Adcy2</i>	-1.2250	4.3476	34.5959	4.05752E-09	1.0312E-07
<i>Car8</i>	-2.2487	2.0753	34.5775	4.09623E-09	1.03982E-07
<i>Klf9</i>	-1.2332	6.0640	34.5727	4.10625E-09	1.04115E-07
<i>F830045P16Rik</i>	-2.5069	2.5915	34.5065	4.24821E-09	1.0759E-07
<i>Arl3</i>	-1.1377	4.1261	34.4754	4.31666E-09	1.08722E-07
<i>Tpbgl</i>	-1.5837	4.4973	34.4349	4.40756E-09	1.10727E-07
<i>Crispld1</i>	-1.8825	2.0056	34.3029	4.7168E-09	1.18088E-07
<i>Mpdz</i>	-1.0560	5.3052	34.2909	4.74602E-09	1.18683E-07
<i>Cd209a</i>	-1.1148	3.3715	34.2112	4.94447E-09	1.22941E-07
<i>Phf24</i>	-1.1514	3.8366	34.0776	5.2958E-09	1.30194E-07
<i>Cpq</i>	-1.1883	4.6103	34.0722	5.31034E-09	1.30405E-07
<i>Acsf6</i>	-1.5381	3.3134	34.0438	5.38842E-09	1.32174E-07
<i>C1qtnf1</i>	-1.3457	5.2319	34.0096	5.48417E-09	1.34221E-07
<i>Pdk4</i>	-1.4134	9.1920	33.9484	5.65919E-09	1.37451E-07
<i>Bmp4</i>	-1.2892	3.7902	33.9481	5.66022E-09	1.37451E-07
<i>Cldn23</i>	-1.2301	5.1078	33.9165	5.75288E-09	1.39391E-07
<i>Zfhx4</i>	-1.3009	3.0950	33.7430	6.2895E-09	1.51218E-07
<i>Klf15</i>	-1.1284	4.8786	33.7148	6.38136E-09	1.5309E-07
<i>St6galnac6</i>	-1.2970	4.1231	33.6591	6.56669E-09	1.57068E-07
<i>Aldh1a2</i>	-2.3802	0.9775	33.5645	6.89393E-09	1.64662E-07
<i>P2rx6</i>	-1.5710	2.5398	33.4919	7.15617E-09	1.69443E-07

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<i>Sema3b</i>	-1.2792	4.0948	33.4417	7.34311E-09	1.73118E-07
<i>Ogn</i>	-1.5271	6.9318	33.3834	7.56673E-09	1.77844E-07
<i>Cacna1e</i>	-1.4087	2.8248	33.3563	7.67279E-09	1.79775E-07
<i>Cpeb1</i>	-1.1154	3.5378	33.3558	7.67489E-09	1.79775E-07
<i>Glt8d2</i>	-1.7347	2.5927	33.3107	7.85481E-09	1.83596E-07
<i>Spock2</i>	-1.1567	3.8787	33.2716	8.01427E-09	1.86923E-07
<i>Opcml</i>	-1.7539	3.3182	33.2242	8.21223E-09	1.91335E-07
<i>Podxl2</i>	-1.3439	3.9764	33.1721	8.43513E-09	1.95901E-07
<i>Smco1</i>	-1.5168	3.3379	33.1161	8.68189E-09	2.01204E-07
<i>Krt36</i>	-2.1934	2.0582	33.0827	8.83193E-09	2.04183E-07
<i>Asb11</i>	-1.4383	5.5885	33.0632	8.92131E-09	2.05879E-07
<i>Sorbs3</i>	-1.0800	6.0838	33.0190	9.12615E-09	2.0994E-07
<i>Pamr1</i>	-1.2249	4.5101	32.8493	9.95875E-09	2.27654E-07
<i>Dhdh</i>	-1.0078	4.4818	32.4596	1.21697E-08	2.74459E-07
<i>Nadk2</i>	-1.0736	4.0576	32.2770	1.33684E-08	2.99023E-07
<i>Rspo3</i>	-2.1732	1.1905	32.1678	1.41412E-08	3.15338E-07
<i>Sfrp2</i>	-2.1629	5.4538	32.1144	1.45354E-08	3.23138E-07
<i>Mb</i>	-1.3537	8.5951	31.9871	1.552E-08	3.42585E-07
<i>Gmpr</i>	-1.5727	5.8765	31.9724	1.56375E-08	3.44482E-07
<i>Spock3</i>	-3.3208	0.2129	31.9015	1.6219E-08	3.55857E-07
<i>Slc38a4</i>	-1.2293	3.8720	31.7768	1.72943E-08	3.76423E-07
<i>Lyz1</i>	-2.9397	4.8411	31.6856	1.81263E-08	3.93746E-07
<i>Tnxb</i>	-1.0407	8.8145	31.6609	1.83584E-08	3.98392E-07
<i>Fgl2</i>	-1.0821	5.7076	31.5296	1.96424E-08	4.25182E-07
<i>Col4a6</i>	-2.2772	4.3704	31.5107	1.98342E-08	4.2829E-07
<i>Repin1</i>	-1.0357	3.9466	31.4826	2.01236E-08	4.3368E-07
<i>Akr1c14</i>	-2.1407	4.6452	31.4058	2.09356E-08	4.49381E-07
<i>Arhgef6</i>	-1.0445	4.3356	31.3585	2.14519E-08	4.5734E-07
<i>Fhod3</i>	-1.2264	4.1711	31.2818	2.23162E-08	4.72079E-07
<i>Pfn2</i>	-1.5502	5.8083	31.2520	2.26618E-08	4.78229E-07
<i>Mmp23</i>	-1.3885	3.2357	31.2386	2.28186E-08	4.80843E-07
<i>Osr1</i>	-1.5459	2.8652	31.1598	2.3764E-08	4.98838E-07
<i>Asb16</i>	-1.4421	5.2472	30.9765	2.61177E-08	5.40451E-07
<i>Cbx7</i>	-1.0438	5.5511	30.9262	2.68026E-08	5.5305E-07
<i>Gem</i>	-1.0618	3.7286	30.9038	2.71135E-08	5.5841E-07
<i>Samd4</i>	-1.3436	4.9186	30.8851	2.7377E-08	5.62784E-07
<i>Vamp5</i>	-1.4055	4.9342	30.7789	2.89161E-08	5.91075E-07
<i>Tspyl4</i>	-1.2279	2.3786	30.5866	3.1929E-08	6.46007E-07
<i>Cdk14</i>	-1.2311	3.4648	30.5845	3.1963E-08	6.46097E-07
<i>Tmeff2</i>	-1.2907	4.0446	30.5555	3.24452E-08	6.54027E-07
<i>Plac9b</i>	-1.1363	3.4346	30.4254	3.46957E-08	6.9682E-07
<i>Tmod2</i>	-1.0887	3.8494	30.3842	3.54412E-08	7.10483E-07
<i>Fam13c</i>	-1.2340	2.2876	30.3714	3.56745E-08	7.14505E-07
<i>Micu1</i>	-1.0213	6.6252	30.3683	3.57313E-08	7.14986E-07
<i>Aamdc</i>	-1.3469	3.9492	30.3454	3.61564E-08	7.21911E-07
<i>Wfikkn2</i>	-1.6950	2.4722	30.3114	3.67963E-08	7.32938E-07
<i>Car11</i>	-2.1957	0.9702	30.1241	4.05273E-08	7.98511E-07
<i>D7Ertd443e</i>	-1.3980	3.2845	29.9907	4.34129E-08	8.46202E-07
<i>Dnajc27</i>	-1.2640	4.3531	29.9103	4.52506E-08	8.796E-07
<i>Gm15737</i>	-2.1686	1.2747	29.8973	4.55537E-08	8.832E-07
<i>Dbn1</i>	-1.1260	4.0715	29.8845	4.58569E-08	8.8829E-07
<i>Isl1</i>	-1.5892	1.5866	29.8611	4.64125E-08	8.98255E-07
<i>Ly6c1</i>	-1.1275	6.5697	29.8565	4.65241E-08	8.99618E-07
<i>Asap3</i>	-1.0000	4.6100	29.8476	4.67384E-08	9.02961E-07
<i>Fcgrt</i>	-1.0269	6.7708	29.8372	4.69878E-08	9.06723E-07
<i>Nhlrc1</i>	-1.4341	2.1780	29.8290	4.71878E-08	9.0923E-07
<i>Foxo6</i>	-1.8017	1.5181	29.6636	5.1392E-08	9.82433E-07
<i>Efcab2</i>	-1.5029	2.3589	29.6142	5.27179E-08	1.00426E-06

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<i>Aldh1a1</i>	-1.2591	5.9765	29.5750	5.37937E-08	1.02208E-06
<i>Zfp608</i>	-1.1611	2.6090	29.5451	5.463E-08	1.03437E-06
<i>Zfpm2</i>	-2.3480	0.5054	29.4329	5.78865E-08	1.09311E-06
<i>Bhlha9</i>	-5.7109	-1.1365	29.2721	6.28934E-08	1.17957E-06
<i>Klhl38</i>	-1.3295	4.8777	29.2459	6.37506E-08	1.1936E-06
<i>Fxyd1</i>	-1.2081	6.2960	29.1922	6.5543E-08	1.22296E-06
<i>Gfra2</i>	-1.3025	3.3900	29.1530	6.68822E-08	1.24689E-06
<i>Emx2</i>	-1.7620	1.7432	28.9437	7.45129E-08	1.37273E-06
<i>Drp2</i>	-1.1698	3.2307	28.8367	7.87455E-08	1.44705E-06
<i>B230118H07Rik</i>	-1.1188	3.9317	28.8272	7.91312E-08	1.45092E-06
<i>Svil</i>	-1.1097	6.6924	28.8233	7.92895E-08	1.45216E-06
<i>Galnt15</i>	-1.3533	6.9123	28.7616	8.18595E-08	1.49671E-06
<i>Pnck</i>	-1.5834	1.7669	28.7267	8.33455E-08	1.52261E-06
<i>Asrgl1</i>	-1.1611	4.0062	28.7239	8.3467E-08	1.52355E-06
<i>Cfp</i>	-1.0804	5.3466	28.6793	8.54128E-08	1.55387E-06
<i>Cul9</i>	-1.1158	3.9215	28.6682	8.59042E-08	1.56021E-06
<i>Fam57b</i>	-1.3272	4.6725	28.6624	8.61599E-08	1.56356E-06
<i>Calml4</i>	-1.5608	2.4107	28.6038	8.88061E-08	1.60757E-06
<i>Rab11fip4</i>	-1.9551	6.3894	28.5966	8.91384E-08	1.61225E-06
<i>Fgd4</i>	-1.2315	3.0971	28.5493	9.13411E-08	1.64799E-06
<i>Aox1</i>	-1.0936	4.7941	28.5290	9.23037E-08	1.66261E-06
<i>F13a1</i>	-1.2807	6.8584	28.4111	9.80995E-08	1.75686E-06
<i>Lrrk2</i>	-1.1026	2.7977	28.4043	9.84451E-08	1.7616E-06
<i>Arhgap44</i>	-1.0813	3.8209	28.3813	9.96211E-08	1.77682E-06
<i>Aldh3a1</i>	-1.0651	5.8378	28.3734	1.0003E-07	1.7812E-06
<i>Prkab2</i>	-1.2898	6.5446	28.3321	1.02187E-07	1.81517E-06
<i>1500011K16Rik</i>	-1.0008	4.2662	28.3263	1.02493E-07	1.81912E-06
<i>Ube2d1</i>	-1.0766	5.9327	28.3186	1.02903E-07	1.82492E-06
<i>Ifitm6</i>	-2.2880	5.3420	28.1917	1.09877E-07	1.94072E-06
<i>Nqo2</i>	-1.0202	4.2466	28.0670	1.17189E-07	2.0582E-06
<i>Lepr</i>	-1.0744	3.7466	28.0535	1.18008E-07	2.07093E-06
<i>Aebp1</i>	-1.0534	7.6184	28.0160	1.20319E-07	2.1081E-06
<i>Tigar</i>	-1.1284	5.3719	27.9144	1.26804E-07	2.20578E-06
<i>Scara5</i>	-1.2785	6.8338	27.8607	1.30369E-07	2.26418E-06
<i>Itgam</i>	-1.2466	4.3566	27.8526	1.30921E-07	2.27197E-06
<i>Mrgprb2</i>	-1.2436	3.5991	27.7157	1.40515E-07	2.42881E-06
<i>Ptp4a3</i>	-1.4075	8.3345	27.6573	1.44828E-07	2.49545E-06
<i>Fn3k</i>	-1.8242	1.8625	27.6049	1.48799E-07	2.55782E-06
<i>2210011C24Rik</i>	-2.4000	0.3211	27.5618	1.52155E-07	2.61139E-06
<i>Twf2</i>	-1.0724	5.7971	27.4699	1.59559E-07	2.72135E-06
<i>Socs2</i>	-1.0099	3.2062	27.4218	1.63579E-07	2.77691E-06
<i>Adssl1</i>	-1.5668	8.0342	27.3865	1.66591E-07	2.82364E-06
<i>Dnajb5</i>	-1.2131	5.2741	27.3536	1.6945E-07	2.86321E-06
<i>Vldlr</i>	-1.0537	6.5557	27.2963	1.74545E-07	2.93566E-06
<i>Cdh15</i>	-1.4092	2.7325	27.2867	1.75417E-07	2.94806E-06
<i>Serping1</i>	-1.0613	8.0520	27.2204	1.81535E-07	3.0415E-06
<i>Gabra3</i>	-1.3906	3.1688	27.1982	1.83634E-07	3.07432E-06
<i>Peg10</i>	-2.1984	0.5975	27.1019	1.93007E-07	3.21644E-06
<i>Dmpk</i>	-1.4753	5.4852	27.0779	1.95415E-07	3.24418E-06
<i>Pla2g16</i>	-1.0104	6.2927	27.0676	1.96468E-07	3.25919E-06
<i>Asb18</i>	-1.4053	2.9338	27.0152	2.01862E-07	3.34106E-06
<i>Twist1</i>	-1.2106	3.0114	26.8710	2.17495E-07	3.58891E-06
<i>Tgfb2</i>	-1.1809	3.4525	26.8545	2.19363E-07	3.60994E-06
<i>St6galnac4</i>	-1.1586	3.0095	26.8441	2.20544E-07	3.62553E-06
<i>Cbs</i>	-1.4001	4.0396	26.8358	2.21496E-07	3.6357E-06
<i>Dcaf6</i>	-1.0209	6.1118	26.8234	2.22925E-07	3.65366E-06
<i>Otud1</i>	-1.3252	5.6896	26.7665	2.29579E-07	3.74305E-06
<i>C4b</i>	-1.3804	6.8272	26.6931	2.38469E-07	3.87929E-06

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<i>Ebf2</i>	-1.4338	3.0690	26.6763	2.40558E-07	3.91036E-06
<i>Timp3</i>	-1.1413	6.5016	26.6572	2.42943E-07	3.94033E-06
<i>Slit3</i>	-1.1461	6.0035	26.6332	2.45986E-07	3.98377E-06
<i>Kbtbd12</i>	-1.5641	5.2559	26.5700	2.54153E-07	4.1078E-06
<i>Basp1</i>	-1.1026	2.5007	26.5027	2.63172E-07	4.23696E-06
<i>Gal3st1</i>	-1.0933	4.5142	26.4970	2.63947E-07	4.24562E-06
<i>Adam33</i>	-1.3725	2.6145	26.4458	2.71032E-07	4.34108E-06
<i>Mlycd</i>	-1.2054	5.4563	26.4029	2.77126E-07	4.4257E-06
<i>Tbc1d19</i>	-1.1846	2.8934	26.3726	2.81508E-07	4.48256E-06
<i>Prob1</i>	-1.3426	5.6469	26.3666	2.82381E-07	4.48666E-06
<i>Nos1</i>	-1.5717	5.1361	26.3437	2.85757E-07	4.5304E-06
<i>Tbx15</i>	-1.1846	6.2463	26.3043	2.91634E-07	4.61353E-06
<i>Traf5</i>	-1.2281	2.2793	26.1970	3.083E-07	4.84208E-06
<i>Tmod4</i>	-1.4300	6.5414	26.1848	3.10262E-07	4.8694E-06
<i>Gstp2</i>	-1.4538	4.6436	26.1675	3.13043E-07	4.90951E-06
<i>Tmem37</i>	-1.2336	3.1518	26.1274	3.19609E-07	4.99126E-06
<i>Pygo1</i>	-1.3936	3.4691	26.1009	3.24026E-07	5.04594E-06
<i>Cd55</i>	-1.0319	5.7797	26.1008	3.24053E-07	5.04594E-06
<i>Wnt9a</i>	-1.0500	2.9217	26.0130	3.39126E-07	5.23212E-06
<i>Serpina5</i>	-2.7306	-0.2420	25.9450	3.51287E-07	5.40372E-06
<i>Patz1</i>	-1.3024	3.1517	25.9042	3.58785E-07	5.51206E-06
<i>Fermt2</i>	-1.0891	6.3181	25.8587	3.67354E-07	5.62786E-06
<i>Cd248</i>	-1.3570	5.9222	25.8516	3.68697E-07	5.64052E-06
<i>Mettl23</i>	-1.2108	2.6183	25.8111	3.76516E-07	5.75208E-06
<i>Tmem246</i>	-1.4222	3.1554	25.7063	3.97521E-07	6.04759E-06
<i>Ank2</i>	-1.3023	3.3811	25.6834	4.02273E-07	6.11136E-06
<i>Rtn2</i>	-1.5202	7.6996	25.6812	4.0274E-07	6.1142E-06
<i>Zfp334</i>	-1.2363	2.0804	25.6714	4.04772E-07	6.13651E-06
<i>Efemp1</i>	-1.1427	6.7355	25.4520	4.53534E-07	6.81425E-06
<i>Sprn</i>	-1.6341	0.8708	25.4407	4.56183E-07	6.84463E-06
<i>Sgcd</i>	-1.1279	2.2568	25.4060	4.64467E-07	6.95458E-06
<i>Mest</i>	-1.4086	3.4202	25.4011	4.65658E-07	6.9581E-06
<i>Hdac9</i>	-1.2574	2.4353	25.3974	4.66554E-07	6.96671E-06
<i>Triqk</i>	-2.1108	0.0850	25.3683	4.7363E-07	7.05789E-06
<i>Mrln</i>	-2.0185	2.4955	25.3656	4.743E-07	7.06306E-06
<i>Lvrn</i>	-1.7169	3.4605	25.3622	4.75135E-07	7.06586E-06
<i>Hoxa10</i>	-2.8017	-0.0858	25.3431	4.79871E-07	7.12658E-06
<i>Nanp</i>	-7.3097	0.1116	25.3246	4.84482E-07	7.18039E-06
<i>Npy1r</i>	-1.3439	3.5705	25.2650	4.99695E-07	7.37583E-06
<i>Stbd1</i>	-1.3799	3.3564	25.1844	5.21027E-07	7.65447E-06
<i>Rai2</i>	-1.1089	2.8360	25.1620	5.27094E-07	7.73319E-06
<i>Prkaa2</i>	-1.3849	6.1475	25.1512	5.30062E-07	7.77152E-06
<i>Rgs6</i>	-1.9900	0.7924	25.1317	5.35441E-07	7.83985E-06
<i>Pgam2</i>	-1.4849	7.8553	25.0732	5.51937E-07	8.05437E-06
<i>Trim54</i>	-1.5456	6.0923	25.0388	5.61893E-07	8.19418E-06
<i>Asb10</i>	-1.2151	4.5694	25.0329	5.636E-07	8.21359E-06
<i>2310002L09Rik</i>	-1.5576	4.4593	25.0135	5.69295E-07	8.28552E-06
<i>Coro6</i>	-1.3249	6.4486	24.9891	5.76556E-07	8.37445E-06
<i>Pla1a</i>	-2.0411	4.5295	24.9568	5.86306E-07	8.5104E-06
<i>Tsc22d3</i>	-1.3582	7.4207	24.9530	5.87457E-07	8.52145E-06
<i>Pltp</i>	-1.0576	6.7714	24.8565	6.17605E-07	8.89962E-06
<i>Zbtb20</i>	-1.1086	5.6277	24.8277	6.26895E-07	9.0097E-06
<i>Pard3b</i>	-1.1872	3.0012	24.7924	6.38493E-07	9.14628E-06
<i>BC067074</i>	-1.0116	2.9283	24.6950	6.71583E-07	9.55759E-06
<i>Pitx2</i>	-1.4728	2.5089	24.6764	6.78084E-07	9.64382E-06
<i>Slit2</i>	-1.1814	3.0662	24.6438	6.89648E-07	9.78914E-06
<i>Klhl33</i>	-1.5382	4.6898	24.6407	6.90787E-07	9.79894E-06
<i>Gkap1</i>	-1.1348	2.9743	24.6032	7.04338E-07	9.9673E-06

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<i>Kazald1</i>	-1.6391	2.0466	24.5967	7.06717E-07	9.98599E-06
<i>Stxbp6</i>	-1.4010	3.3437	24.5147	7.37465E-07	1.04003E-05
<i>Slc27a2</i>	-2.2784	0.6623	24.4955	7.44833E-07	1.04771E-05
<i>Rragd</i>	-1.4512	5.9616	24.4341	7.68966E-07	1.07888E-05
<i>Eef1a2</i>	-1.4349	8.9162	24.4068	7.79942E-07	1.09287E-05
<i>Art5</i>	-1.3786	4.0167	24.3956	7.84478E-07	1.09852E-05
<i>Pfkm</i>	-1.4853	10.0604	24.3328	8.10484E-07	1.12986E-05
<i>Cib2</i>	-1.2786	5.5331	24.2971	8.2562E-07	1.1473E-05
<i>Mlxipl</i>	-1.1717	3.9649	24.2888	8.29203E-07	1.15082E-05
<i>Klhl31</i>	-1.4506	6.3784	24.2299	8.54939E-07	1.18352E-05
<i>Rpl3l</i>	-1.3959	6.8481	24.2192	8.59688E-07	1.18709E-05
<i>Prrg1</i>	-1.5040	1.2046	24.2155	8.6136E-07	1.18843E-05
<i>Il31ra</i>	-1.2481	3.5232	24.1615	8.85872E-07	1.21785E-05
<i>Pbxip1</i>	-1.1502	7.2945	24.1228	9.03858E-07	1.23868E-05
<i>Galnt16</i>	-1.1872	4.5982	24.1102	9.09783E-07	1.24523E-05
<i>Mtss1l</i>	-1.0956	5.4348	24.0911	9.18831E-07	1.25604E-05
<i>Mettl22</i>	-1.1522	4.4166	24.0852	9.21672E-07	1.25914E-05
<i>Sdc2</i>	-1.0851	4.7749	24.0767	9.25746E-07	1.26312E-05
<i>Col14a1</i>	-1.1424	6.7742	24.0556	9.35927E-07	1.27622E-05
<i>Abcc9</i>	-1.2736	6.1654	24.0413	9.42891E-07	1.28411E-05
<i>Epdr1</i>	-1.2507	4.9853	24.0366	9.45233E-07	1.28623E-05
<i>Sebox</i>	-1.7589	1.6805	24.0311	9.47941E-07	1.28777E-05
<i>Nipsnap2</i>	-1.0285	7.1479	23.9431	9.92277E-07	1.34049E-05
<i>Pf4</i>	-1.0147	3.9663	23.9372	9.95282E-07	1.34372E-05
<i>Slc25a4</i>	-1.2586	9.5448	23.8714	1.02992E-06	1.38534E-05
<i>Acyp2</i>	-1.3684	4.4298	23.8547	1.03889E-06	1.39483E-05
<i>Ehbp1l1</i>	-1.0204	6.7969	23.8383	1.04776E-06	1.40588E-05
<i>Rps6ka2</i>	-1.1981	5.6035	23.8286	1.05308E-06	1.41042E-05
<i>Nectin3</i>	-1.3614	5.4946	23.7243	1.1117E-06	1.48166E-05
<i>Cacng1</i>	-1.4281	5.9511	23.6913	1.13093E-06	1.50453E-05
<i>Clec4b1</i>	-2.6543	0.3185	23.6840	1.13521E-06	1.50839E-05
<i>Zfp358</i>	-1.0158	4.4108	23.6501	1.15541E-06	1.53335E-05
<i>Gpr1</i>	-1.6958	2.4090	23.6387	1.16229E-06	1.54155E-05
<i>Ism1</i>	-1.1544	3.3840	23.6280	1.16876E-06	1.54747E-05
<i>Kctd12</i>	-1.5285	7.6057	23.6278	1.16888E-06	1.54747E-05
<i>Prkg1</i>	-1.1348	3.1318	23.5316	1.22882E-06	1.62289E-05
<i>Atp1a2</i>	-1.1567	9.2385	23.5272	1.23158E-06	1.62456E-05
<i>Ackr2</i>	-1.2631	4.7803	23.5236	1.23393E-06	1.62668E-05
<i>Themis2</i>	-1.2688	3.0945	23.4917	1.25455E-06	1.64989E-05
<i>Magix</i>	-1.4127	2.3360	23.3679	1.33791E-06	1.74898E-05
<i>Acss1</i>	-1.3489	6.2647	23.3036	1.3834E-06	1.80304E-05
<i>Abca6</i>	-1.6660	3.5003	23.2476	1.42429E-06	1.85302E-05
<i>Gyg</i>	-1.1588	7.0386	23.2089	1.45321E-06	1.88727E-05
<i>Rasgrp3</i>	-1.3523	3.7601	23.1951	1.4637E-06	1.89976E-05
<i>Gapdh</i>	-1.1055	8.4549	23.1685	1.48409E-06	1.92052E-05
<i>Zic1</i>	-1.0905	2.7601	23.1042	1.53452E-06	1.9764E-05
<i>Bmp8a</i>	-3.8102	-0.0235	23.1023	1.53604E-06	1.9772E-05
<i>Snrpn</i>	-1.3404	3.3521	23.1012	1.53695E-06	1.97721E-05
<i>Prdm8</i>	-1.8213	2.0090	23.0770	1.55643E-06	1.99704E-05
<i>Nid1</i>	-1.1549	7.6824	23.0664	1.56498E-06	2.00617E-05
<i>Mylk2</i>	-1.4182	9.1361	23.0405	1.58625E-06	2.03105E-05
<i>Gng4</i>	-1.2678	4.1440	23.0321	1.59319E-06	2.03875E-05
<i>Prf1</i>	-1.3604	2.3660	22.9321	1.67822E-06	2.13878E-05
<i>Abcb4</i>	-1.3982	4.8184	22.9174	1.69116E-06	2.15276E-05
<i>Kif19a</i>	-1.8302	0.1935	22.8160	1.78277E-06	2.25884E-05
<i>Olfml1</i>	-1.2324	3.5802	22.7675	1.8283E-06	2.31517E-05
<i>Wbscr17</i>	-1.2274	2.8767	22.7646	1.8311E-06	2.31737E-05
<i>Mfap5</i>	-1.0278	5.5563	22.7476	1.84735E-06	2.33253E-05

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<i>Cox8b</i>	-1.3286	5.5632	22.7425	1.85225E-06	2.33737E-05
<i>Rbm24</i>	-1.3349	5.2523	22.7401	1.85456E-06	2.33894E-05
<i>Fam117a</i>	-1.0088	3.8960	22.7242	1.87001E-06	2.35706E-05
<i>Tlr4</i>	-1.1823	3.0928	22.6643	1.92921E-06	2.42328E-05
<i>Shisa3</i>	-1.7172	0.7337	22.6271	1.96696E-06	2.46502E-05
<i>Klhdc1</i>	-1.0232	3.9745	22.6072	1.98743E-06	2.4864E-05
<i>Adgra3</i>	-1.2187	6.6724	22.5962	1.99884E-06	2.4957E-05
<i>Cilp</i>	-1.2138	6.5773	22.5557	2.04138E-06	2.54079E-05
<i>Amot</i>	-1.3422	4.8253	22.5362	2.06224E-06	2.56091E-05
<i>Eya4</i>	-1.7177	3.1260	22.5115	2.08893E-06	2.58963E-05
<i>Enpep</i>	-1.5362	3.9719	22.4982	2.10338E-06	2.60607E-05
<i>Camk2a</i>	-1.5150	5.8361	22.4880	2.11456E-06	2.61591E-05
<i>Atp6v0e2</i>	-1.1612	4.4380	22.4875	2.11513E-06	2.61591E-05
<i>Plac8</i>	-1.2554	5.0396	22.4866	2.11612E-06	2.61591E-05
<i>Akap17b</i>	-1.6224	2.0723	22.4522	2.15438E-06	2.65987E-05
<i>Cxcl13</i>	-2.1801	4.5026	22.3774	2.23993E-06	2.75958E-05
<i>Ccl6</i>	-1.1623	5.5108	22.3575	2.26329E-06	2.78679E-05
<i>Fam171b</i>	-1.4312	2.4470	22.3506	2.27147E-06	2.79371E-05
<i>Myf6</i>	-1.4497	4.3033	22.2933	2.34025E-06	2.87184E-05
<i>Adgre4</i>	-1.7489	1.4801	22.2325	2.41555E-06	2.9576E-05
<i>Klhl30</i>	-1.3558	4.0674	22.2263	2.42337E-06	2.96551E-05
<i>Ak1</i>	-1.4347	7.7235	22.2006	2.45594E-06	3.00032E-05
<i>Hrasls</i>	-1.6809	3.2574	22.1402	2.5344E-06	3.08581E-05
<i>Aldoa</i>	-1.2185	12.3941	22.0688	2.63046E-06	3.1992E-05
<i>Fn1</i>	-1.6375	8.5960	22.0477	2.6596E-06	3.22744E-05
<i>Scn1b</i>	-1.1680	7.2876	22.0019	2.72374E-06	3.29978E-05
<i>Six1</i>	-1.5353	3.8997	21.9987	2.72835E-06	3.30352E-05
<i>Ilf1</i>	-1.5915	5.8687	21.9903	2.74033E-06	3.31256E-05
<i>Fat4</i>	-1.0087	3.2349	21.9689	2.77102E-06	3.34222E-05
<i>Tmem229a</i>	-1.3331	3.0844	21.9014	2.87028E-06	3.45241E-05
<i>Adamts1</i>	-1.6537	3.4158	21.8971	2.87661E-06	3.45811E-05
<i>Pnpla7</i>	-1.2009	5.0195	21.8637	2.92725E-06	3.50547E-05
<i>Scn7a</i>	-1.2218	4.8352	21.8606	2.93199E-06	3.5073E-05
<i>Cdnf</i>	-1.0242	3.6021	21.8201	2.99451E-06	3.578E-05
<i>Ptprd</i>	-1.0730	2.3040	21.8191	2.99601E-06	3.578E-05
<i>Tspyl3</i>	-1.0206	1.9685	21.7908	3.04056E-06	3.6213E-05
<i>Pkia</i>	-1.3646	6.5870	21.7644	3.08269E-06	3.66747E-05
<i>Pygm</i>	-1.5727	10.9552	21.7066	3.17701E-06	3.76833E-05
<i>Lrrn1</i>	-1.1012	2.5946	21.7016	3.18528E-06	3.77103E-05
<i>Cmya5</i>	-1.3369	9.4905	21.6752	3.22947E-06	3.81507E-05
<i>Rcsd1</i>	-1.2359	5.9313	21.6643	3.24778E-06	3.83462E-05
<i>Rcan2</i>	-1.0698	4.4323	21.6401	3.28906E-06	3.87708E-05
<i>Art1</i>	-1.2653	6.6517	21.6281	3.30962E-06	3.895E-05
<i>Clec10a</i>	-1.2445	5.9384	21.5969	3.36401E-06	3.9494E-05
<i>Tnfrsf11b</i>	-1.5049	3.3939	21.5261	3.49039E-06	4.07916E-05
<i>Adamts20</i>	-1.9146	0.4516	21.4947	3.54814E-06	4.13559E-05
<i>Pdgfd</i>	-1.3573	2.6194	21.4893	3.5581E-06	4.14497E-05
<i>Ttc7b</i>	-1.0039	4.5378	21.4665	3.60071E-06	4.19238E-05
<i>Slc38a3</i>	-1.6286	3.9062	21.4601	3.61277E-06	4.20418E-05
<i>Macrod1</i>	-1.1058	5.8041	21.4553	3.62178E-06	4.21017E-05
<i>Irf4</i>	-1.2808	4.6353	21.4069	3.71432E-06	4.30857E-05
<i>Sh3bgr</i>	-1.1944	5.7870	21.3861	3.7548E-06	4.3486E-05
<i>Pde4dip</i>	-1.3128	10.0356	21.3713	3.78395E-06	4.38003E-05
<i>Greb1</i>	-1.8484	1.8834	21.3394	3.84744E-06	4.4441E-05
<i>Msrp3</i>	-1.0125	5.4575	21.2529	4.02492E-06	4.62722E-05
<i>Sobp</i>	-1.4802	2.3285	21.2529	4.02505E-06	4.62722E-05
<i>Cavin4</i>	-1.5247	5.1334	21.2327	4.06761E-06	4.66632E-05
<i>Phkg1</i>	-1.6104	5.9127	21.1378	4.27404E-06	4.87241E-05

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<i>Nptxr</i>	-1.0068	2.2188	21.1178	4.31892E-06	4.9133E-05
<i>Tmem132c</i>	-2.1016	1.6887	21.0988	4.36191E-06	4.95705E-05
<i>Pcdh20</i>	-1.5550	1.7544	21.0767	4.41273E-06	5.00958E-05
<i>Rcn3</i>	-1.0128	5.2128	21.0311	4.51889E-06	5.10904E-05
<i>Klhl29</i>	-1.0291	2.5458	21.0078	4.57416E-06	5.16065E-05
<i>Synm</i>	-1.3242	7.9632	20.9969	4.60019E-06	5.18733E-05
<i>Art3</i>	-1.0048	6.0114	20.9850	4.62883E-06	5.21693E-05
<i>Phkb</i>	-1.1297	6.9782	20.9803	4.64024E-06	5.22695E-05
<i>Skint6</i>	-1.0982	3.4822	20.9585	4.69343E-06	5.27884E-05
<i>Tnni2</i>	-1.4930	10.5585	20.8795	4.89099E-06	5.47565E-05
<i>Tubb4a</i>	-1.4321	2.1653	20.8206	5.04387E-06	5.63236E-05
<i>Tnni3k</i>	-2.9496	-0.6638	20.7988	5.10162E-06	5.69104E-05
<i>Mapk12</i>	-1.1377	5.3587	20.7954	5.11059E-06	5.69813E-05
<i>Unc45b</i>	-1.3970	6.3202	20.7055	5.35632E-06	5.93874E-05
<i>Cadm3</i>	-1.2246	5.7196	20.6704	5.4554E-06	6.01803E-05
<i>Dkk2</i>	-1.3046	2.4999	20.6048	5.6453E-06	6.21139E-05
<i>Cdh9</i>	-2.0369	0.9920	20.6040	5.64775E-06	6.21139E-05
<i>Synpo2</i>	-1.1035	7.5321	20.5549	5.79456E-06	6.35364E-05
<i>Katnal2</i>	-1.3664	2.9116	20.5382	5.84517E-06	6.39949E-05
<i>Fbxo40</i>	-1.3984	5.9405	20.5199	5.90132E-06	6.44159E-05
<i>Psd2</i>	-3.2585	-0.7358	20.4878	6.00127E-06	6.53109E-05
<i>Abca8b</i>	-1.4715	4.2508	20.4751	6.04114E-06	6.57121E-05
<i>Plcl2</i>	-1.1491	4.4576	20.4426	6.14466E-06	6.66058E-05
<i>Myoz1</i>	-1.6316	8.6896	20.4006	6.281E-06	6.79151E-05
<i>Adam22</i>	-1.2747	2.0394	20.3935	6.3042E-06	6.81322E-05
<i>Six4</i>	-1.2647	3.0165	20.3483	6.45518E-06	6.9626E-05
<i>Hfe2</i>	-1.4392	6.6904	20.3279	6.52424E-06	7.03362E-05
<i>Dcaf12l1</i>	-2.8122	-0.7602	20.1717	7.07921E-06	7.55358E-05
<i>Cox6a2</i>	-1.2865	7.1600	20.1707	7.08312E-06	7.55406E-05
<i>Trim72</i>	-1.0447	5.6800	20.1574	7.13254E-06	7.60305E-05
<i>Txlnb</i>	-1.3153	7.6542	20.1247	7.25523E-06	7.72252E-05
<i>Ms4a4d</i>	-1.1426	3.9483	20.0943	7.37172E-06	7.83505E-05
<i>Asb5</i>	-1.3353	5.6100	20.0209	7.66E-06	8.09417E-05
<i>Ccdc27</i>	-1.5035	0.9460	20.0149	7.68418E-06	8.11186E-05
<i>Draxin</i>	-1.7168	1.3163	20.0060	7.71995E-06	8.14569E-05
<i>Svip</i>	-1.1421	3.5255	19.9842	7.80846E-06	8.22714E-05
<i>Dtna</i>	-1.1465	4.4073	19.9485	7.95564E-06	8.37817E-05
<i>Bmpr1b</i>	-1.0753	1.8595	19.9328	8.02122E-06	8.4391E-05
<i>1110002E22Rik</i>	-1.4514	5.7392	19.9288	8.03794E-06	8.45262E-05
<i>Ablim3</i>	-1.0549	4.2721	19.9249	8.05441E-06	8.46326E-05
<i>Atp1b4</i>	-1.7951	2.2200	19.9206	8.07254E-06	8.47675E-05
<i>Esr1</i>	-1.0453	4.3215	19.9159	8.09229E-06	8.49341E-05
<i>Syt3</i>	-1.4978	1.1709	19.8610	8.32819E-06	8.72422E-05
<i>S100a3</i>	-1.8018	0.2893	19.8176	8.51934E-06	8.89884E-05
<i>Syne1</i>	-1.1313	5.8627	19.8089	8.55843E-06	8.92943E-05
<i>Colec12</i>	-1.0519	5.6188	19.8074	8.56499E-06	8.92943E-05
<i>Pid1</i>	-1.0962	3.5034	19.7799	8.68898E-06	9.03282E-05
<i>Mpo</i>	-1.6940	2.1883	19.7319	8.91035E-06	9.24533E-05
<i>Lep</i>	-1.2049	3.9110	19.7195	8.96802E-06	9.30075E-05
<i>Gm5849</i>	-2.5644	4.9097	19.7162	8.98344E-06	9.31232E-05
<i>Ankrd23</i>	-1.9383	8.1911	19.7018	9.0516E-06	9.36519E-05
<i>Cacna1a</i>	-1.3496	2.5264	19.6414	9.34247E-06	9.64328E-05
<i>Dmd</i>	-1.1841	5.5619	19.6207	9.44389E-06	9.72957E-05
<i>Lrrc75a</i>	-1.1286	2.0613	19.6190	9.45242E-06	9.73377E-05
<i>Casc4</i>	-1.0021	2.6758	19.5992	9.55109E-06	9.83073E-05
<i>Flrt2</i>	-1.0085	5.2999	19.5445	9.82832E-06	0.000100875
<i>Al464131</i>	-1.1326	5.5154	19.4422	1.03688E-05	0.000105727
<i>Eno3</i>	-1.4607	10.1683	19.4412	1.03744E-05	0.000105734

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<i>C1qa</i>	-1.0621	6.1446	19.4363	1.0401E-05	0.000105907
<i>Sptb</i>	-1.3128	7.0643	19.4294	1.04388E-05	0.000106243
<i>Abcc6</i>	-2.9574	-0.9124	19.4088	1.05522E-05	0.000107197
<i>Spep</i>	-1.2473	6.4773	19.3809	1.0707E-05	0.000108516
<i>Cldn3</i>	-1.5202	2.0160	19.3639	1.08032E-05	0.000109333
<i>Acta1</i>	-1.4893	13.4449	19.3631	1.08076E-05	0.000109333
<i>Ly6c2</i>	-1.2012	3.1190	19.3255	1.10227E-05	0.000111149
<i>Asb14</i>	-1.2434	3.9551	19.3058	1.11368E-05	0.000112247
<i>Jdp2</i>	-1.1383	2.6524	19.2874	1.12443E-05	0.000113174
<i>Cd300lb</i>	-1.2530	2.3296	19.2866	1.12495E-05	0.000113174
<i>Tnnc2</i>	-1.5277	10.5132	19.2856	1.1255E-05	0.000113177
<i>Sec31b</i>	-1.3109	4.0531	19.2611	1.14006E-05	0.000114431
<i>Cdkn1c</i>	-1.2654	3.6121	19.2214	1.16399E-05	0.000116511
<i>Dusp13</i>	-1.3530	5.2148	19.1795	1.18983E-05	0.0001187
<i>Eya1</i>	-1.5878	2.7774	19.1685	1.19669E-05	0.000119238
<i>Sgcg</i>	-1.4219	5.4708	19.1427	1.21299E-05	0.000120586
<i>Slc25a34</i>	-1.1798	4.2949	19.1102	1.23383E-05	0.000122419
<i>Ltc4s</i>	-1.1253	3.0427	19.1096	1.23423E-05	0.000122419
<i>Sctr</i>	-1.2993	1.3819	19.0720	1.25878E-05	0.000124458
<i>Frzb</i>	-1.4262	2.6454	19.0707	1.25963E-05	0.000124486
<i>Slc6a2</i>	-1.1988	3.9615	19.0055	1.30341E-05	0.000128348
<i>Pdk2</i>	-1.2625	7.5542	18.9809	1.32031E-05	0.000129895
<i>Cacna2d1</i>	-1.3617	6.3706	18.8820	1.3906E-05	0.000135953
<i>Dusp27</i>	-1.4155	4.0241	18.8480	1.41558E-05	0.000137839
<i>Fmo2</i>	-1.0129	5.5583	18.7809	1.46632E-05	0.000142082
<i>Krt31</i>	-5.0619	-1.5117	18.7789	1.46782E-05	0.000142165
<i>Fitm1</i>	-1.3686	5.1782	18.7436	1.49521E-05	0.000144433
<i>Zfp189</i>	-1.1184	1.4459	18.7394	1.49851E-05	0.000144688
<i>Kcnj11</i>	-1.2776	5.2055	18.6736	1.55113E-05	0.000149048
<i>Slc15a2</i>	-2.1587	0.8254	18.6466	1.57325E-05	0.00015097
<i>Slc16a7</i>	-1.0333	2.4658	18.5691	1.63857E-05	0.000156356
<i>Rbm20</i>	-1.2358	1.6447	18.5240	1.67778E-05	0.000159667
<i>Vit</i>	-1.4867	3.3101	18.5073	1.69254E-05	0.000160932
<i>Scn4a</i>	-1.2746	6.8239	18.4999	1.69917E-05	0.000161443
<i>Grin2d</i>	-1.0157	2.4048	18.4937	1.70469E-05	0.000161875
<i>Nexn</i>	-1.3147	5.7056	18.4898	1.70819E-05	0.000162137
<i>Bin1</i>	-1.0894	7.1087	18.4560	1.73868E-05	0.000164459
<i>Cd209g</i>	-1.2107	3.7072	18.4196	1.77225E-05	0.000167344
<i>Srpx</i>	-1.0296	3.8761	18.3931	1.79708E-05	0.000169126
<i>Ctgf</i>	-1.0734	5.4829	18.3880	1.80194E-05	0.000169488
<i>Abca5</i>	-1.3379	6.5169	18.3850	1.80477E-05	0.000169608
<i>Ifi207</i>	-1.1283	5.0293	18.3608	1.82782E-05	0.000171553
<i>Fez1</i>	-1.3952	3.9336	18.3492	1.839E-05	0.000172306
<i>Col4a5</i>	-1.1917	4.3325	18.3138	1.87343E-05	0.000175156
<i>Ckm</i>	-1.6536	11.7717	18.3005	1.88661E-05	0.000176162
<i>Zfp57</i>	-1.1376	2.1835	18.2380	1.94947E-05	0.000181487
<i>Schip1</i>	-1.0501	4.7850	18.2260	1.96182E-05	0.000182447
<i>Ucp3</i>	-1.3281	5.6156	18.2202	1.96785E-05	0.000182809
<i>Nkd1</i>	-1.0882	1.8756	18.2164	1.97175E-05	0.000183036
<i>Phka1</i>	-1.5238	6.7140	18.2162	1.97196E-05	0.000183036
<i>Capn3</i>	-1.2965	5.6290	18.2087	1.97972E-05	0.000183677
<i>Tbx18</i>	-1.4368	1.2778	18.2070	1.98147E-05	0.000183761
<i>Siglec1</i>	-1.5163	4.7096	18.1910	1.99822E-05	0.000185237
<i>Adamts14</i>	-1.1391	5.1570	18.1771	2.01283E-05	0.000186179
<i>Cpt1b</i>	-1.1931	7.0051	18.1766	2.01341E-05	0.000186179
<i>Slc11a1</i>	-1.0622	2.2915	18.1690	2.0214E-05	0.000186456
<i>Bpgm</i>	-1.0438	4.8135	18.1688	2.02162E-05	0.000186456
<i>Pdlim7</i>	-1.2609	6.1154	18.1656	2.02501E-05	0.000186611

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<i>Tnnt3</i>	-1.4935	11.5966	18.1298	2.06348E-05	0.000189755
<i>Asphd2</i>	-2.8365	-0.6419	18.1105	2.08444E-05	0.000191521
<i>Fgfr4</i>	-1.1577	1.5264	18.0336	2.17042E-05	0.000198585
<i>Akap12</i>	-1.6273	4.3383	18.0098	2.19771E-05	0.000200662
<i>Rspo1</i>	-1.3583	1.4049	18.0060	2.20215E-05	0.000200899
<i>Ifi204</i>	-1.1119	4.3940	17.9979	2.21144E-05	0.000201662
<i>Galnt9</i>	-1.7433	0.0813	17.9708	2.24314E-05	0.000204383
<i>Tpm1</i>	-1.3629	10.6434	17.9664	2.24838E-05	0.000204774
<i>Chrnbl</i>	-1.2942	3.3920	17.9651	2.24989E-05	0.000204827
<i>Mapt</i>	-1.0057	4.1364	17.9609	2.25494E-05	0.0002052
<i>Eid2</i>	-1.1429	1.5800	17.9593	2.25677E-05	0.000205281
<i>Atp2a1</i>	-1.6133	13.0405	17.9012	2.32673E-05	0.000210592
<i>Skint11</i>	-1.1682	2.9846	17.8815	2.351E-05	0.000212525
<i>Syng1</i>	-1.2665	4.3780	17.8804	2.35233E-05	0.000212557
<i>Jsrp1</i>	-1.3113	6.1687	17.8329	2.41176E-05	0.000217567
<i>Fndc4</i>	-1.1290	1.8337	17.8321	2.41276E-05	0.000217567
<i>Ddo</i>	-1.3656	2.8625	17.8183	2.4304E-05	0.000218759
<i>Bank1</i>	-2.3288	-0.0150	17.8146	2.43508E-05	0.000219037
<i>Xk</i>	-1.6263	1.4221	17.8075	2.44418E-05	0.000219584
<i>Rapsn</i>	-1.2134	2.9638	17.7971	2.4576E-05	0.000220644
<i>Pknox2</i>	-1.1647	3.3216	17.7968	2.458E-05	0.000220644
<i>Fam131b</i>	-1.7011	1.3603	17.7660	2.49806E-05	0.000223872
<i>Rbfox1</i>	-1.5895	5.6640	17.7481	2.52164E-05	0.000225522
<i>Aph1c</i>	-1.0742	2.6709	17.7377	2.53558E-05	0.000226676
<i>Creb5</i>	-1.1871	3.8887	17.7171	2.56307E-05	0.000228759
<i>Omd</i>	-1.8341	2.5369	17.7013	2.58451E-05	0.00023039
<i>Mlip</i>	-1.1743	5.2568	17.6547	2.64864E-05	0.000235625
<i>Dusp10</i>	-1.2497	3.1111	17.6521	2.65223E-05	0.000235753
<i>Runx1t1</i>	-1.5345	1.0304	17.6387	2.67097E-05	0.000237129
<i>Loxl1</i>	-1.0469	5.8780	17.5686	2.77124E-05	0.000245332
<i>Rorb</i>	-2.0300	-0.2678	17.5582	2.7865E-05	0.000246384
<i>Trim55</i>	-1.3692	3.6878	17.5414	2.81123E-05	0.000248151
<i>Lmcd1</i>	-1.2463	6.2779	17.5314	2.82596E-05	0.000249065
<i>Fsd2</i>	-1.3701	5.3893	17.4491	2.95102E-05	0.00025925
<i>Paqr7</i>	-1.2372	5.2019	17.4154	3.00377E-05	0.00026346
<i>Arsi</i>	-1.2626	2.8917	17.4008	3.02698E-05	0.000264858
<i>Lrrc2</i>	-1.2389	5.5835	17.3922	3.04076E-05	0.000265957
<i>Trim66</i>	-1.5333	0.7803	17.3705	3.07558E-05	0.00026868
<i>Trim2</i>	-1.4197	6.5101	17.3695	3.07718E-05	0.000268712
<i>Ano5</i>	-1.3302	4.8511	17.3567	3.09808E-05	0.000270201
<i>Slamf9</i>	-1.7806	1.6009	17.3270	3.14686E-05	0.000273484
<i>Per1</i>	-1.0048	6.7026	17.3099	3.17524E-05	0.000275315
<i>Ccer2</i>	-1.4181	1.9659	17.3005	3.19095E-05	0.000276435
<i>Tpm2</i>	-1.2364	11.2896	17.2942	3.20165E-05	0.000276923
<i>Adamtsl4</i>	-1.1345	5.7990	17.2741	3.23567E-05	0.000279533
<i>B3galt1</i>	-1.2552	1.7401	17.2008	3.36299E-05	0.000289387
<i>Tcap</i>	-1.4390	9.7204	17.1935	3.3759E-05	0.000290139
<i>Ppp1r3a</i>	-1.5246	6.2905	17.1933	3.37617E-05	0.000290139
<i>Tcea3</i>	-1.3489	5.5616	17.1353	3.48099E-05	0.00029813
<i>Cap2</i>	-1.2454	5.8146	17.0957	3.55432E-05	0.000303696
<i>Cacna1s</i>	-1.4087	7.9953	17.0823	3.57953E-05	0.000305491
<i>Csprs</i>	-1.0237	3.2732	17.0773	3.58896E-05	0.000306177
<i>Plin5</i>	-1.1112	3.0400	17.0669	3.6086E-05	0.000307612
<i>Eepd1</i>	-1.1368	5.5252	17.0660	3.61028E-05	0.000307635
<i>Plekhf1</i>	-1.0616	3.4794	17.0077	3.72277E-05	0.000316303
<i>Gng7</i>	-1.0125	1.6789	17.0032	3.7316E-05	0.00031686
<i>Pde4a</i>	-1.1988	3.3874	17.0015	3.73502E-05	0.000317027
<i>Fabp3</i>	-1.1910	6.8458	16.9977	3.74261E-05	0.000317547

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<i>Gm973</i>	-1.2350	2.3404	16.9895	3.75869E-05	0.000318469
<i>Nr4a1</i>	-1.0264	6.4295	16.9748	3.78798E-05	0.000320649
<i>Trpc1</i>	-1.4847	1.2311	16.9574	3.82282E-05	0.000323347
<i>Fndc5</i>	-1.3160	3.5107	16.9465	3.84483E-05	0.000324706
<i>Mpz</i>	-1.0911	5.1513	16.9436	3.85072E-05	0.000324828
<i>C1qtnf7</i>	-1.3651	2.5290	16.9291	3.8802E-05	0.000326556
<i>St3gal1</i>	-1.0404	5.0709	16.8991	3.94198E-05	0.000330863
<i>Cd82</i>	-1.1590	7.0410	16.8249	4.09919E-05	0.000343266
<i>Tmem182</i>	-1.2261	6.2465	16.8165	4.11728E-05	0.000344502
<i>Wnk2</i>	-1.0002	6.5743	16.7969	4.16014E-05	0.000347426
<i>Cdc14a</i>	-1.0923	2.7841	16.7413	4.28382E-05	0.000356675
<i>Ank1</i>	-1.4801	5.2672	16.7250	4.32079E-05	0.000359478
<i>Vipr1</i>	-1.6472	3.7632	16.7105	4.35395E-05	0.000362099
<i>Hist1h4h</i>	-1.2601	2.0309	16.7071	4.36172E-05	0.000362608
<i>Srpk3</i>	-1.5623	2.4442	16.5927	4.63296E-05	0.000383405
<i>Fam131a</i>	-1.1551	3.2065	16.5429	4.75629E-05	0.000392867
<i>Ttn</i>	-1.3668	11.5904	16.5223	4.80803E-05	0.000396689
<i>Cox7a1</i>	-1.3068	4.9529	16.4329	5.0402E-05	0.000413501
<i>Hhatl</i>	-1.4413	5.5671	16.3647	5.22505E-05	0.000427381
<i>Fam169b</i>	-1.2028	1.4109	16.3444	5.28125E-05	0.000431009
<i>Ctxn3</i>	-1.4012	4.1136	16.3431	5.28488E-05	0.000431145
<i>Vsig4</i>	-1.8173	0.8539	16.3237	5.33909E-05	0.000434443
<i>Slc43a3</i>	-1.0620	5.7739	16.3173	5.35714E-05	0.000435032
<i>Edn3</i>	-1.9545	-0.1419	16.3167	5.35902E-05	0.000435032
<i>Shisa4</i>	-1.2762	5.0779	16.3088	5.38147E-05	0.000436577
<i>Tmem28</i>	-2.3013	0.5594	16.2932	5.42587E-05	0.000439689
<i>Gnao1</i>	-1.0677	2.6572	16.2787	5.46738E-05	0.000442829
<i>Fgf7</i>	-1.1825	2.7298	16.2783	5.46873E-05	0.000442829
<i>Lrrc3b</i>	-1.7718	0.7666	16.2776	5.4707E-05	0.000442829
<i>Tmem233</i>	-1.5548	5.0389	16.2618	5.51664E-05	0.000445886
<i>Zfp775</i>	-1.0330	2.7693	16.2447	5.56663E-05	0.000449261
<i>Hrc</i>	-1.2409	7.8880	16.2357	5.5931E-05	0.000450897
<i>Hs3st5</i>	-1.7210	0.7502	16.2248	5.62515E-05	0.00045298
<i>Cfh</i>	-1.0810	6.1949	16.1624	5.81375E-05	0.000466275
<i>Ms4a8a</i>	-1.9111	1.4849	16.1584	5.82594E-05	0.000467081
<i>Smyd1</i>	-1.1869	6.6012	16.1022	6.00154E-05	0.000479224
<i>Zfp449</i>	-1.1242	1.5283	16.0941	6.02706E-05	0.000481085
<i>Obscn</i>	-1.2962	9.4600	16.0890	6.04335E-05	0.000482033
<i>Sh2d7</i>	-1.2464	0.8799	16.0822	6.06515E-05	0.000483595
<i>Mypn</i>	-1.3223	7.1008	16.0551	6.15247E-05	0.000489663
<i>Cacng6</i>	-1.3777	4.0323	16.0215	6.26265E-05	0.000497164
<i>E2f6</i>	-1.1843	3.6653	16.0112	6.29674E-05	0.000499185
<i>Klhl41</i>	-1.2350	8.4779	16.0039	6.32118E-05	0.000500899
<i>Neurl1a</i>	-1.2302	5.4478	15.9816	6.39598E-05	0.00050636
<i>Smarcd3</i>	-1.5737	4.6922	15.9498	6.50446E-05	0.000514489
<i>Retnla</i>	-3.0062	7.8754	15.9375	6.54675E-05	0.000516897
<i>Tnfrsf14</i>	-1.1206	1.6874	15.8911	6.70952E-05	0.00052822
<i>Lmntd1</i>	-2.8441	-0.3462	15.8802	6.74809E-05	0.000530683
<i>Ryr1</i>	-1.3956	10.1521	15.8754	6.76519E-05	0.000531836
<i>Pnmal2</i>	-1.5838	0.4469	15.8566	6.8328E-05	0.000536379
<i>Reep1</i>	-1.1163	4.2118	15.8404	6.89148E-05	0.000540402
<i>Dusp23</i>	-1.0721	3.5489	15.8341	6.91433E-05	0.000541805
<i>Enkur</i>	-1.7386	0.0358	15.8265	6.94225E-05	0.000543602
<i>Scn4b</i>	-1.1571	6.5448	15.8189	6.97042E-05	0.000545294
<i>Plekhhb1</i>	-1.4942	2.8936	15.8059	7.01838E-05	0.00054858
<i>Mef2c</i>	-1.0834	6.5717	15.7623	7.18182E-05	0.000559352
<i>Rasd2</i>	-1.2940	2.0933	15.7220	7.3367E-05	0.000569742
<i>Sema6c</i>	-1.0847	4.3093	15.7148	7.36469E-05	0.000571555

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<i>Sspn</i>	-1.0123	5.4395	15.7134	7.36988E-05	0.000571755
<i>Cystm1</i>	-1.1684	4.8308	15.7012	7.41785E-05	0.00057466
<i>Cd5l</i>	-2.8118	1.0212	15.6845	7.48345E-05	0.000579536
<i>Agl</i>	-1.2883	7.8652	15.6159	7.75987E-05	0.000598304
<i>Pde4d</i>	-1.1552	5.3463	15.6155	7.76142E-05	0.000598304
<i>Rbm38</i>	-1.0647	5.4138	15.6124	7.77437E-05	0.000598879
<i>Katnal1</i>	-1.0363	2.1836	15.5418	8.06995E-05	0.00061968
<i>Slc24a3</i>	-1.6390	2.7432	15.5387	8.08338E-05	0.000620275
<i>Krt15</i>	-1.0095	9.0549	15.5369	8.09095E-05	0.000620638
<i>Mylpf</i>	-1.4444	10.6427	15.5040	8.23324E-05	0.000629782
<i>Ifi211</i>	-1.0611	3.2291	15.4452	8.4932E-05	0.000646271
<i>Pgm2</i>	-1.1393	7.6160	15.4429	8.5036E-05	0.00064644
<i>Myom2</i>	-1.1578	9.0926	15.4008	8.69497E-05	0.000658411
<i>Des</i>	-1.1629	10.6858	15.3313	9.02076E-05	0.000680484
<i>Dhrs7c</i>	-1.4269	5.1566	15.3070	9.13784E-05	0.000688603
<i>Scrn1</i>	-1.1559	2.6009	15.2903	9.2191E-05	0.000693863
<i>Fgf18</i>	-1.4455	1.0789	15.2778	9.27995E-05	0.000697867
<i>Smarca1</i>	-1.3809	1.8638	15.2324	9.50575E-05	0.00071408
<i>Tmem100</i>	-1.5895	5.1634	15.1758	9.79533E-05	0.000733088
<i>Casr</i>	-1.5462	3.7870	15.1689	9.83119E-05	0.000735445
<i>Atp1b2</i>	-1.4217	6.2744	15.1684	9.83356E-05	0.000735445
<i>Golga7b</i>	-1.2098	3.1252	15.1600	9.87727E-05	0.000738461
<i>Cfl2</i>	-1.0549	6.2029	15.1361	0.000100032	0.000745397
<i>Armcx4</i>	-1.1000	2.9806	15.1272	0.000100507	0.000748609
<i>Gria3</i>	-4.8444	-0.5129	15.1099	0.000101432	0.00075395
<i>Pm20d2</i>	-1.1557	2.1293	15.0961	0.000102172	0.000758161
<i>Rnf32</i>	-2.9851	-1.2104	15.0480	0.000104809	0.000775361
<i>Tmod1</i>	-1.0316	5.6869	15.0416	0.000105169	0.000777414
<i>Amy1</i>	-1.1189	4.4501	15.0216	0.000106287	0.000783899
<i>Hlf</i>	-1.0955	5.4020	15.0020	0.000107396	0.000791013
<i>Lbx1</i>	-1.5200	2.9461	14.9832	0.000108471	0.000798122
<i>Gm35315</i>	-6.5891	-0.4331	14.9755	0.000108914	0.000801114
<i>Xirp2</i>	-1.3039	8.6344	14.9441	0.000110743	0.000813476
<i>Tmem38a</i>	-1.2243	8.2436	14.9375	0.000111134	0.00081607
<i>Slc8a3</i>	-1.3946	4.9446	14.8995	0.000113393	0.000830003
<i>Gm20431</i>	-8.6488	1.1265	14.8913	0.000113885	0.000833187
<i>Oxtr</i>	-1.4509	3.0730	14.8793	0.000114614	0.000837954
<i>Lmod1</i>	-1.2911	5.9809	14.8660	0.000115425	0.000843324
<i>Tbx4</i>	-1.4095	0.8325	14.8582	0.000115901	0.00084623
<i>Cav3</i>	-1.0483	3.9438	14.8450	0.000116716	0.000851048
<i>Pdlim3</i>	-1.3104	7.6933	14.8040	0.000119283	0.000865482
<i>Bthd8</i>	-1.0717	1.9993	14.8032	0.00011933	0.000865482
<i>Slc9a4</i>	-3.0141	-1.0343	14.7779	0.000120944	0.000874858
<i>Stard9</i>	-1.0720	3.5850	14.7665	0.000121678	0.000879006
<i>Gm7276</i>	-2.7330	-0.7991	14.7420	0.000123273	0.000888113
<i>Jph2</i>	-1.4816	6.5766	14.7308	0.000124002	0.000892842
<i>D2Bwg1423e</i>	-1.2883	0.4409	14.7195	0.000124748	0.000897026
<i>Mybpc2</i>	-1.7008	10.3349	14.7117	0.000125266	0.000899566
<i>Fhl3</i>	-1.0930	7.1330	14.7098	0.000125396	0.000900201
<i>Sgca</i>	-1.1891	6.1171	14.6947	0.000126399	0.000907104
<i>Al854703</i>	-1.0498	1.3517	14.6846	0.000127081	0.000911103
<i>Cacng4</i>	-2.0282	-0.6685	14.6601	0.000128742	0.0009215
<i>Myod1</i>	-2.0414	1.7384	14.6480	0.000129573	0.000927144
<i>Tll1</i>	-1.0210	3.0152	14.6466	0.000129666	0.000927504
<i>Slc2a4</i>	-1.0730	6.9373	14.6357	0.000130418	0.000931048
<i>Lrrc74b</i>	-1.1141	1.6945	14.6095	0.000132243	0.000942846
<i>1700019D03Rik</i>	-1.4500	2.6599	14.6077	0.000132375	0.000943476
<i>Cd46</i>	-1.0901	2.5243	14.6017	0.000132794	0.000946159

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<i>Lsamp</i>	-1.6551	1.5046	14.5882	0.000133747	0.000952323
<i>Akr1c19</i>	-1.9322	0.1601	14.4918	0.000140771	0.000994554
<i>Wasf3</i>	-1.4472	0.5914	14.4635	0.000142905	0.001007024
<i>Tcea2</i>	-1.2478	0.9975	14.4589	0.000143255	0.001009061
<i>Gm16253</i>	-1.3410	0.5530	14.4584	0.000143287	0.001009061
<i>Otof</i>	-2.8535	-1.0028	14.4485	0.000144042	0.001013
<i>Ldb3</i>	-1.0404	8.6390	14.4481	0.000144078	0.001013
<i>Dnajc6</i>	-1.5611	1.8035	14.4461	0.000144231	0.001013498
<i>Glr3</i>	-2.1252	0.3682	14.3926	0.000148384	0.001038924
<i>Dact2</i>	-1.2325	2.6714	14.3721	0.000150009	0.001048621
<i>St3gal5</i>	-1.0695	3.2132	14.3683	0.000150311	0.001050398
<i>Cacnb1</i>	-1.0869	5.8714	14.3481	0.000151936	0.001060392
<i>Sel1l3</i>	-1.0226	3.5035	14.3412	0.000152493	0.001063601
<i>Cyb5r2</i>	-1.3061	2.3058	14.3268	0.000153663	0.00106971
<i>Slc4a10</i>	-2.8141	-0.1472	14.3240	0.000153893	0.001070972
<i>Stum</i>	-1.1087	1.9151	14.3134	0.000154763	0.001076339
<i>Rxfp1</i>	-1.4723	1.2314	14.2939	0.000156374	0.001085815
<i>Abcb1a</i>	-1.0433	2.2375	14.2617	0.00015907	0.001102083
<i>Srl</i>	-1.2100	8.4604	14.2559	0.000159563	0.001105144
<i>Tmcc2</i>	-1.3393	3.6203	14.2525	0.000159851	0.001106085
<i>Nrap</i>	-1.2606	9.0902	14.1475	0.000169019	0.001160698
<i>Zfp651</i>	-1.1423	4.3600	14.1159	0.000171886	0.00117779
<i>Necab3</i>	-1.9020	-0.1479	14.1108	0.000172354	0.001180261
<i>Kcnc1</i>	-1.2681	4.7560	14.0951	0.000173798	0.001188652
<i>Stac3</i>	-1.2680	5.4250	14.0707	0.000176064	0.001201517
<i>Riiad1</i>	-2.4051	0.2588	14.0700	0.000176129	0.001201586
<i>Ppp1r27</i>	-1.2793	3.4516	14.0405	0.000178918	0.00121757
<i>Mrc1</i>	-1.0453	6.6089	13.9817	0.000184597	0.001249824
<i>Cryaa</i>	-1.5715	0.4715	13.9389	0.000188854	0.001273783
<i>Diras2</i>	-1.1724	1.0445	13.8556	0.000197406	0.001325209
<i>Rnf165</i>	-1.0586	1.5437	13.8541	0.000197561	0.001325838
<i>Wfdc1</i>	-1.0637	3.2820	13.8487	0.000198134	0.001328461
<i>Mss51</i>	-1.6531	3.2998	13.8354	0.000199542	0.001337082
<i>Calr3</i>	-1.0664	1.0166	13.8277	0.000200364	0.001342142
<i>Vnn1</i>	-1.2512	1.7276	13.8237	0.000200782	0.00134374
<i>Myot</i>	-1.1672	8.2069	13.8108	0.000202169	0.001351365
<i>Ppp1r1a</i>	-1.4379	4.2876	13.7872	0.000204722	0.00136759
<i>Zfp977</i>	-2.9663	-1.2438	13.7765	0.000205891	0.00137414
<i>Gm996</i>	-1.9242	-0.2897	13.7704	0.000206565	0.001378216
<i>Fgf9</i>	-1.4931	0.5152	13.7660	0.000207051	0.001379773
<i>Rab3b</i>	-2.1716	-0.2196	13.7060	0.000213768	0.001418042
<i>Atp1a3</i>	-1.1583	1.7569	13.6942	0.000215116	0.001425248
<i>Ifi205</i>	-1.0507	4.5528	13.6082	0.000225199	0.001486192
<i>Fgf2</i>	-1.1203	3.9064	13.6055	0.000225522	0.001487875
<i>Neb</i>	-1.2433	10.0059	13.6022	0.000225919	0.001490045
<i>Adra1b</i>	-2.2216	-0.9146	13.5711	0.000229689	0.001510798
<i>9330159F19Rik</i>	-1.0842	4.1697	13.5242	0.000235505	0.001544862
<i>Rnf150</i>	-1.1248	4.5032	13.4992	0.000238662	0.001564636
<i>Krt71</i>	-5.2498	1.2560	13.4949	0.000239218	0.001567805
<i>Tll11</i>	-1.8703	0.1462	13.4523	0.000244707	0.001600898
<i>Plpp7</i>	-1.4056	4.1359	13.4192	0.000249059	0.001623045
<i>Mertk</i>	-1.2190	2.7812	13.4076	0.000250602	0.001632125
<i>Myl1</i>	-1.3689	10.5003	13.3573	0.000257418	0.001672029
<i>Nr3c2</i>	-1.1710	2.6907	13.2999	0.000265419	0.001719642
<i>Mill2</i>	-1.3156	1.5007	13.2820	0.000267971	0.001733356
<i>Abca4</i>	-1.2191	0.6029	13.2766	0.000268737	0.001737278
<i>Rgs11</i>	-3.0450	-0.5838	13.2733	0.000269208	0.001739812
<i>Filip1</i>	-1.4965	4.1805	13.2671	0.0002701	0.001744029

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<i>Rheb1</i>	-1.0004	1.5846	13.2622	0.000270815	0.001747994
<i>Jam3</i>	-1.0001	2.1615	13.2618	0.000270875	0.001747994
<i>Ppp1r9a</i>	-1.0521	2.0503	13.2154	0.000277665	0.00178847
<i>Itm2a</i>	-1.2276	6.4820	13.2057	0.000279102	0.001795249
<i>Kcnj8</i>	-1.0515	2.6401	13.1633	0.000285483	0.001830902
<i>Wscd1</i>	-1.3544	0.2048	13.1601	0.000285974	0.001832435
<i>Hist1h2be</i>	-1.5382	0.3141	13.1328	0.000290171	0.001856057
<i>Prss36</i>	-1.0504	1.5371	13.1127	0.000293303	0.001873893
<i>Nr1h4</i>	-2.2732	-0.8905	13.1023	0.00029494	0.001882148
<i>Fam110b</i>	-1.2720	1.0570	13.0281	0.000306847	0.001944496
<i>Gm3839</i>	-1.1985	1.0253	13.0174	0.00030861	0.00195453
<i>Zc4h2</i>	-1.2473	0.5310	13.0112	0.000309626	0.00195926
<i>Slc13a4</i>	-1.3149	1.0270	12.9999	0.000311515	0.001969502
<i>Pdzd7</i>	-1.3558	1.3546	12.9858	0.000313856	0.001983151
<i>Dbp</i>	-1.0430	5.1362	12.9794	0.000314936	0.001989401
<i>Pvalb</i>	-1.9696	9.9050	12.9676	0.000316921	0.001999048
<i>Myadml2</i>	-1.3958	1.7859	12.9581	0.000318543	0.002008115
<i>Egf</i>	-1.2133	4.1414	12.9568	0.000318763	0.002008927
<i>Frs3</i>	-1.3951	1.5337	12.9534	0.000319343	0.002011999
<i>Pgm2l1</i>	-1.0314	3.4990	12.9491	0.000320075	0.00201603
<i>P4htm</i>	-1.3660	2.4920	12.9394	0.000321732	0.002023443
<i>Klhl40</i>	-1.2851	5.8474	12.9242	0.000324366	0.002036764
<i>Zfp354c</i>	-1.0992	1.8285	12.8629	0.00033516	0.002096525
<i>Bco1</i>	-1.1163	1.3985	12.8381	0.000339637	0.002119717
<i>Bves</i>	-1.2664	3.9013	12.8380	0.000339644	0.002119717
<i>Actn3</i>	-1.9024	10.1814	12.8289	0.000341307	0.002128881
<i>Trdn</i>	-1.2880	7.6140	12.7728	0.000351696	0.002186182
<i>Ptgds</i>	-1.4990	0.5438	12.7630	0.00035354	0.002196393
<i>Ednrb</i>	-1.1005	4.7909	12.7415	0.000357623	0.002218359
<i>Ampd1</i>	-1.6742	7.0105	12.6769	0.000370197	0.002285571
<i>Cacna1g</i>	-1.1812	2.3033	12.6763	0.000370328	0.00228573
<i>Myog</i>	-1.5309	1.9666	12.6589	0.00037379	0.002304491
<i>Gm45808</i>	-5.0946	-1.2806	12.6244	0.00038074	0.002343373
<i>Siglech</i>	-1.5979	1.1607	12.5902	0.000387778	0.002376637
<i>Pik3ap1</i>	-1.0904	1.9027	12.5521	0.000395758	0.002419043
<i>Alpk2</i>	-1.0025	4.6843	12.4116	0.000426671	0.002586687
<i>Tceal1</i>	-1.3655	1.3624	12.4094	0.000427189	0.002589108
<i>Mndal</i>	-2.3162	0.3629	12.3680	0.000436766	0.00263982
<i>Brsk1</i>	-1.2245	0.8956	12.3615	0.000438288	0.002647557
<i>Adra1a</i>	-1.2533	0.7714	12.3396	0.00044344	0.002675717
<i>Scx</i>	-1.0546	1.8009	12.3147	0.000449394	0.002706404
<i>Jph1</i>	-1.2365	6.0095	12.2702	0.000460246	0.002763377
<i>Tlr11</i>	-1.7048	-0.0854	12.2137	0.00047439	0.002840484
<i>Tekt1</i>	-2.6921	-0.8532	12.1955	0.000479041	0.002863618
<i>En1</i>	-1.2436	0.7178	12.1824	0.000482415	0.002880637
<i>Sult2a7</i>	-3.3131	-1.5042	12.1491	0.00049111	0.002924554
<i>Pacrg</i>	-1.4493	0.1360	12.1092	0.00050175	0.00297655
<i>Morn4</i>	-1.0525	1.0659	12.1023	0.0005036	0.002985089
<i>Abra</i>	-1.4380	6.1185	12.0222	0.000525707	0.003099299
<i>Zfp536</i>	-1.7855	-0.5927	12.0194	0.000526503	0.003103157
<i>Smtnl1</i>	-1.0561	5.3500	11.9778	0.000538391	0.003164678
<i>Mrgprb3</i>	-1.6666	3.4232	11.9694	0.000540804	0.003174588
<i>Prokr1</i>	-1.5786	0.1175	11.9547	0.000545096	0.003197203
<i>Prkag3</i>	-1.2338	1.9729	11.9431	0.000548516	0.003213809
<i>3425401B19Rik</i>	-1.0152	7.2125	11.9336	0.000551303	0.003227553
<i>Gabre</i>	-1.0477	1.4258	11.9336	0.000551305	0.003227553
<i>Lrch2</i>	-2.5104	-0.9271	11.8705	0.000570287	0.003327081
<i>Aspa</i>	-1.0287	2.1037	11.8317	0.000582323	0.003390054

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<i>Krt28</i>	-2.3233	-0.4894	11.8223	0.000585269	0.003402663
<i>Wnt11</i>	-1.2879	1.4117	11.8200	0.000585964	0.003405797
<i>Cep85l</i>	-1.2476	4.9492	11.8076	0.000589879	0.003422179
<i>Smpx</i>	-1.1902	6.5322	11.7874	0.000596343	0.003456923
<i>Padi2</i>	-1.5699	4.5373	11.7823	0.000597962	0.00346355
<i>Synpo2l</i>	-1.1685	4.7913	11.7433	0.000610637	0.003526672
<i>Gm2115</i>	-2.5584	1.3290	11.7329	0.000614049	0.00353982
<i>Fam196b</i>	-2.5851	-1.1568	11.6786	0.000632231	0.003635037
<i>Zfp641</i>	-1.1647	3.1241	11.6613	0.000638153	0.003661371
<i>Tmtc1</i>	-1.1336	4.4784	11.6372	0.000646473	0.003702293
<i>Myom1</i>	-1.1081	8.9329	11.6318	0.000648347	0.003709138
<i>Batf3</i>	-1.7954	-0.5977	11.6272	0.000649955	0.003717362
<i>Cldn10</i>	-1.4666	0.6129	11.6096	0.000656127	0.003748732
<i>Habp2</i>	-1.1654	3.1631	11.5956	0.000661096	0.003774159
<i>Enho</i>	-1.4441	1.9088	11.5850	0.000664849	0.003791966
<i>Sema3d</i>	-1.2246	6.6145	11.5711	0.000669835	0.003817061
<i>Slc6a15</i>	-2.7203	-1.3792	11.4938	0.000698284	0.003962632
<i>Gm10134</i>	-1.8715	-0.6903	11.4636	0.000709723	0.004019186
<i>Haa0</i>	-1.5029	-0.0026	11.4520	0.000714152	0.004041123
<i>Myoc</i>	-1.1726	5.1699	11.4374	0.000719818	0.004067911
<i>Casq1</i>	-1.5239	8.6976	11.4245	0.000724807	0.00409293
<i>Spns3</i>	-1.5034	0.3201	11.4064	0.00073192	0.004127756
<i>Krt25</i>	-6.3457	0.7204	11.3993	0.000734722	0.00414142
<i>Kcna1</i>	-1.1293	0.9458	11.3674	0.000747439	0.004200086
<i>Arhgef9</i>	-1.0449	2.2949	11.3492	0.000754789	0.004232673
<i>Krt12</i>	-1.5603	0.4301	11.3374	0.000759623	0.004251045
<i>Wnt5b</i>	-1.2900	1.7041	11.3021	0.000774183	0.004326982
<i>Dand5</i>	-1.0202	1.5746	11.2990	0.000775471	0.004333073
<i>Ppm1j</i>	-1.1057	2.9741	11.2651	0.000789793	0.004398463
<i>Pitx3</i>	-1.1539	0.6194	11.2548	0.000794161	0.004419405
<i>Nfe2</i>	-1.7991	0.0776	11.2064	0.000815167	0.004520241
<i>Inmt</i>	-1.6653	5.0360	11.2031	0.000816625	0.004527108
<i>Egfl6</i>	-1.0127	1.7698	11.1551	0.000837998	0.004625623
<i>Hist1h3i</i>	-4.9514	-1.6174	11.1451	0.000842556	0.004646082
<i>Fer1l6</i>	-1.7303	-0.1387	11.0533	0.000885277	0.00485986
<i>Cers1</i>	-1.2790	2.0070	10.9602	0.000930921	0.005080731
<i>Myl4</i>	-1.0428	1.3151	10.9444	0.000938883	0.005117794
<i>Th</i>	-1.3721	1.1225	10.9181	0.000952299	0.005177991
<i>Gpd1</i>	-1.0413	7.0073	10.8849	0.000969538	0.005262552
<i>Bex1</i>	-1.3510	1.0601	10.8368	0.000995015	0.005380774
<i>Ccdc157</i>	-1.0748	2.5964	10.8100	0.001009515	0.005449734
<i>Flg2</i>	-1.0544	12.2118	10.7840	0.001023785	0.005514059
<i>Lgi3</i>	-1.2297	0.5264	10.7746	0.00102904	0.00553461
<i>Ccrl2</i>	-1.1206	1.8842	10.7586	0.001037961	0.005577094
<i>Ddit4l</i>	-1.5254	5.8895	10.7478	0.001044008	0.005605442
<i>C6</i>	-1.2030	2.3869	10.7228	0.001058239	0.005669306
<i>Vgll2</i>	-1.0127	4.0249	10.7057	0.001068086	0.005715047
<i>Pls1</i>	-1.2418	0.4988	10.6953	0.001074101	0.005743006
<i>Osbpl6</i>	-1.1419	2.2703	10.6929	0.001075466	0.005746086
<i>Asb4</i>	-1.5314	0.7369	10.6900	0.001077189	0.005753879
<i>Hist1h1e</i>	-1.3681	1.5084	10.6771	0.001084708	0.005786963
<i>Adamts16</i>	-2.0204	-0.8638	10.6730	0.001087087	0.005795409
<i>Cdh23</i>	-2.5450	-0.3936	10.6501	0.001100674	0.005853549
<i>Chadl</i>	-2.2694	-0.9167	10.6323	0.001111314	0.005901507
<i>Fam19a5</i>	-1.1478	1.2765	10.6027	0.001129196	0.005983369
<i>Nxpe3</i>	-1.0541	1.3379	10.6000	0.001130884	0.005986498
<i>Dpep3</i>	-1.8779	0.1917	10.5664	0.001151597	0.006082873
<i>Smim18</i>	-3.2122	-1.5535	10.5452	0.001164904	0.006144244

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<i>Gpr173</i>	-1.5571	-0.3896	10.5399	0.001168238	0.006154393
<i>Cfap57</i>	-1.2817	5.8843	10.5228	0.001179096	0.00620112
<i>Agbl1</i>	-1.2074	3.1564	10.5152	0.001183946	0.00622213
<i>Emilin3</i>	-2.3799	-1.2648	10.5014	0.001192836	0.006258302
<i>Hspb2</i>	-1.1377	3.1469	10.5009	0.001193144	0.006258418
<i>Cyp2w1</i>	-1.1727	2.3221	10.4824	0.001205154	0.006313825
<i>Asb12</i>	-1.3715	3.6762	10.4269	0.001241917	0.006481544
<i>Scd3</i>	-1.0694	5.8692	10.4056	0.001256354	0.006541664
<i>Qprt</i>	-1.5000	0.5062	10.4044	0.001257155	0.006543479
<i>Usp13</i>	-1.0167	7.2747	10.3958	0.001263032	0.006568188
<i>Cyr61</i>	-1.0073	5.6546	10.3585	0.001288764	0.006686076
<i>Ppfia2</i>	-1.0445	1.9760	10.3560	0.001290569	0.006690669
<i>Letm2</i>	-1.1277	1.4627	10.3485	0.001295798	0.006714592
<i>Sypl2</i>	-1.2446	5.9340	10.3406	0.001301379	0.00673871
<i>Slc12a5</i>	-1.0325	1.2873	10.2962	0.00133307	0.006876712
<i>Bdh2</i>	-1.3593	0.6136	10.2949	0.00133399	0.006879836
<i>Eml6</i>	-1.1515	0.7859	10.2602	0.001359273	0.006995352
<i>Clic5</i>	-1.0972	5.5819	10.2078	0.001398475	0.007171742
<i>Umad1</i>	-1.1354	2.3256	10.1963	0.001407255	0.007211687
<i>Orm2</i>	-1.1459	0.5915	10.1785	0.0014209	0.007262856
<i>Stab2</i>	-1.6335	0.2184	10.1703	0.001427241	0.007290147
<i>A730017C20Rik</i>	-2.1376	0.3909	10.1641	0.001431997	0.007309312
<i>Best3</i>	-1.5979	0.9840	10.1548	0.001439241	0.007341137
<i>Krt35</i>	-4.3499	-1.8341	10.1214	0.001465564	0.007449295
<i>1500015O10Rik</i>	-2.5315	-0.5162	10.1164	0.001469579	0.007467964
<i>Rxrg</i>	-1.0610	2.5631	10.0924	0.001488859	0.007557144
<i>Pifo</i>	-4.1213	-1.9437	10.0851	0.001494734	0.007585203
<i>1810010H24Rik</i>	-1.3757	0.7039	10.0524	0.001521531	0.007708643
<i>Nnt</i>	-1.5883	4.1528	10.0418	0.001530294	0.007745851
<i>Clec12a</i>	-1.8284	0.8878	10.0407	0.001531181	0.007748542
<i>Gipc2</i>	-1.2398	1.0249	10.0360	0.001535121	0.007763084
<i>Myo18b</i>	-1.1405	6.5213	10.0129	0.001554494	0.007851164
<i>Olf1315-ps1</i>	-4.1375	-1.9339	9.9813	0.001581418	0.007967676
<i>Fgd2</i>	-1.4752	2.2285	9.9578	0.001601692	0.008049386
<i>Popdc2</i>	-1.3398	3.1244	9.9296	0.001626458	0.008153207
<i>Ror2</i>	-1.0186	1.1113	9.8567	0.00169217	0.008422654
<i>Krt2</i>	-1.4673	1.5234	9.8264	0.001720204	0.008539443
<i>Gm10226</i>	-4.2779	-1.8857	9.8263	0.001720327	0.008539443
<i>Olf1505</i>	-1.5545	1.1629	9.8086	0.001737016	0.008614447
<i>Lmx1a</i>	-1.2210	0.3314	9.7771	0.001767017	0.008745353
<i>6430571L13Rik</i>	-1.6399	1.9253	9.7636	0.001780027	0.008797775
<i>Nat8f3</i>	-1.1516	1.0066	9.7318	0.001811022	0.00892097
<i>Fam161a</i>	-1.0311	1.3405	9.7248	0.001817971	0.008948847
<i>Klhl34</i>	-1.2937	2.7424	9.7115	0.001831209	0.009001831
<i>Greb1l</i>	-1.0825	0.5164	9.6967	0.001845971	0.009064192
<i>Rec8</i>	-1.5429	0.9197	9.6704	0.001872613	0.009170261
<i>Nim1k</i>	-1.1783	0.7647	9.6664	0.001876707	0.009188247
<i>Vstm2b</i>	-2.2992	-1.3071	9.6607	0.001882481	0.009214451
<i>Gpr17</i>	-1.6919	0.7409	9.6145	0.00193047	0.00939877
<i>Dmrt2</i>	-1.1086	2.1836	9.5677	0.001980334	0.00961016
<i>Phf11b</i>	-1.4709	0.9314	9.5632	0.001985148	0.009630616
<i>Msc</i>	-1.6055	-0.4844	9.5113	0.002042117	0.009871888
<i>Xlr4c</i>	-1.6750	-0.3350	9.4820	0.002075005	0.010006503
<i>Mpp3</i>	-1.1596	1.5589	9.4764	0.002081348	0.010031539
<i>Kcng4</i>	-1.0835	1.0035	9.4510	0.002110364	0.010154588
<i>Zfp600</i>	-2.5480	-1.2058	9.4409	0.002121966	0.010208161
<i>Krt87</i>	-2.9413	-1.2413	9.4334	0.002130693	0.010243375
<i>Tnfrsf13c</i>	-1.3756	-0.0558	9.4105	0.002157455	0.010353792

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<i>Msln</i>	-2.0944	0.1067	9.3980	0.002172206	0.010413138
<i>Adgrv1</i>	-1.3934	0.0349	9.3448	0.002236204	0.010666065
<i>Matn4</i>	-1.4224	0.1207	9.3295	0.002254991	0.010734562
<i>Amdhd1</i>	-1.1801	0.6387	9.3239	0.002261855	0.010753169
<i>Vtcn1</i>	-1.2893	0.1574	9.3089	0.002280391	0.01082244
<i>Pde10a</i>	-2.9683	1.1032	9.2854	0.002309882	0.010945741
<i>1700113H08Rik</i>	-2.4500	-1.0006	9.2377	0.002370766	0.011209917
<i>Smad6</i>	-1.0457	1.7605	9.2353	0.002373954	0.011217703
<i>Kcnab1</i>	-5.4003	-1.3081	9.2236	0.002389133	0.011279664
<i>Serpinb6e</i>	-1.6243	2.0657	9.2053	0.002413166	0.011380823
<i>1810010D01Rik</i>	-4.0033	-1.9858	9.1904	0.002432927	0.01146906
<i>Kcnu1</i>	-1.3228	1.1827	9.1707	0.002459165	0.011575255
<i>Pfn4</i>	-1.5665	-0.5167	9.1498	0.002487396	0.011682946
<i>Cd226</i>	-1.3903	-0.2839	9.1117	0.002539766	0.011902497
<i>Gm765</i>	-2.5786	0.0618	9.0946	0.002563662	0.011997277
<i>Yipf7</i>	-1.1699	2.9936	9.0934	0.002565404	0.01200286
<i>Foxd3</i>	-1.2944	-0.0161	9.0652	0.002605228	0.012171377
<i>Hk3</i>	-1.4108	1.5587	9.0522	0.002623831	0.01225259
<i>Gm45208</i>	-4.0095	-1.9814	9.0252	0.002662756	0.012405171
<i>Sel1l2</i>	-3.9664	-2.0006	9.0115	0.002682894	0.012485664
<i>Pde8b</i>	-1.0372	1.0917	9.0107	0.002684022	0.012488253
<i>Uts2r</i>	-2.0298	-0.8471	8.9516	0.002772268	0.012844096
<i>Gm6592</i>	-4.0947	-1.9471	8.9495	0.002775477	0.012855162
<i>Rasl10a</i>	-1.0069	2.5303	8.9426	0.002785893	0.012879886
<i>ErbB4</i>	-3.0543	-1.6327	8.9247	0.002813359	0.01297116
<i>Lenep</i>	-5.4088	-1.2912	8.8885	0.002869669	0.013197335
<i>Olf1r1</i>	-4.1465	-1.9402	8.8794	0.00288404	0.013255046
<i>Sv2c</i>	-1.4753	1.1150	8.8774	0.002887225	0.013266894
<i>Zbtb16</i>	-1.0976	5.3424	8.8763	0.002889015	0.013269819
<i>Zfp354b</i>	-1.2159	0.0988	8.8751	0.002890785	0.013269819
<i>Dleu7</i>	-2.9333	-1.6875	8.8336	0.002957355	0.013518166
<i>Grik5</i>	-2.4957	2.2231	8.8310	0.002961545	0.013534171
<i>Slc23a1</i>	-1.0405	1.1762	8.8229	0.002974742	0.013580427
<i>Slc22a12</i>	-4.1305	-1.9583	8.8172	0.002984082	0.013617368
<i>C77370</i>	-2.0652	-0.8215	8.8106	0.002994886	0.013660961
<i>Mpp4</i>	-1.6389	-0.5015	8.7714	0.003059925	0.013931432
<i>BC048679</i>	-2.0508	-0.5505	8.7512	0.003094048	0.014065989
<i>Fgf4</i>	-3.9476	-2.0045	8.7006	0.003181077	0.014416874
<i>C7</i>	-1.1145	1.3200	8.6845	0.003209347	0.014523891
<i>Gabrb2</i>	-2.6440	-1.4088	8.6784	0.003219979	0.014556919
<i>Fbxw10</i>	-4.6879	-1.6502	8.6509	0.003268916	0.014717646
<i>Adamts6</i>	-1.4763	0.5706	8.6410	0.003286837	0.014776553
<i>Dapl1</i>	-1.1739	6.6359	8.6218	0.003321555	0.014914205
<i>Trpm3</i>	-1.4741	-0.2297	8.6080	0.003346953	0.014997398
<i>4930404N11Rik</i>	-1.0132	0.9415	8.6000	0.003361687	0.015051062
<i>Slc9a2</i>	-1.1390	2.1026	8.5769	0.003404616	0.015214164
<i>Itgb1bp2</i>	-1.0366	5.2567	8.5653	0.003426266	0.015277536
<i>Mag</i>	-1.3864	0.2664	8.5482	0.003458648	0.015393626
<i>Gspt2</i>	-1.3168	0.7337	8.5397	0.003474816	0.015449837
<i>Catsper4</i>	-1.2298	0.5753	8.5307	0.003492004	0.015513623
<i>Trmo</i>	-1.1402	0.5645	8.5010	0.003549532	0.015740367
<i>A630033H20Rik</i>	-1.2971	0.4649	8.4919	0.003567321	0.015803203
<i>Ankdd1a</i>	-1.0863	0.3913	8.4460	0.003658398	0.016180406
<i>Mzb1</i>	-1.4731	-0.5782	8.4411	0.003668355	0.016221158
<i>Flnc</i>	-1.2300	8.8856	8.4226	0.003705777	0.016360127
<i>Tlr8</i>	-1.0382	2.0635	8.4061	0.003739667	0.016479748
<i>Myh4</i>	-1.6525	13.4648	8.3988	0.003754667	0.016529166
<i>Me3</i>	-1.0545	1.2765	8.3851	0.003783126	0.016637677
<i>Hoxa9</i>	-1.3064	2.1059	8.3792	0.003795366	0.016688143

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<i>Nptx2</i>	-1.2826	0.6236	8.3734	0.003807558	0.016725274
<i>Col24a1</i>	-1.0028	0.8826	8.3733	0.003807641	0.016725274
<i>Hbb-bs</i>	-1.1794	6.8014	8.3624	0.003830719	0.016809735
<i>Ppp2r2b</i>	-1.4245	-0.1041	8.3419	0.003874148	0.016962802
<i>Adamts19</i>	-1.4071	0.4127	8.3378	0.003882794	0.01699384
<i>Thpo</i>	-1.0750	1.5798	8.3067	0.003949879	0.01723562
<i>F5</i>	-1.0446	0.5876	8.2985	0.00396789	0.017307294
<i>Gprasp2</i>	-1.4556	0.1579	8.2940	0.003977565	0.017340306
<i>Gm14085</i>	-1.2953	0.9566	8.2882	0.003990401	0.017384641
<i>Slc26a7</i>	-1.7839	-0.2326	8.2650	0.004041716	0.017580135
<i>1700028P14Rik</i>	-2.0295	-0.8643	8.2508	0.004073489	0.017711279
<i>Nap1l2</i>	-2.4685	-1.2092	8.2170	0.004150008	0.017983093
<i>Rgag4</i>	-1.2414	1.1683	8.2044	0.004178972	0.018090647
<i>Crip3</i>	-1.3463	1.2792	8.1893	0.004213727	0.018219426
<i>Rbm11</i>	-1.4588	-0.6334	8.1872	0.004218645	0.018237077
<i>3300002I08Rik</i>	-3.8626	-2.0326	8.1689	0.0042614	0.018389134
<i>Ccna1</i>	-2.4860	-1.5030	8.1446	0.004319054	0.018612174
<i>Olf1150-ps1</i>	-1.0315	0.3433	8.1351	0.0043416	0.01869457
<i>Slc12a8</i>	-1.3539	-0.3356	8.1287	0.004357113	0.018755457
<i>Neto1</i>	-1.8784	-0.5351	8.0970	0.004433975	0.019011411
<i>Hrk</i>	-4.0394	-1.9898	8.0896	0.004451908	0.01906426
<i>Rgs1</i>	-3.9152	-2.0226	8.0870	0.004458457	0.019084157
<i>Gm11627</i>	-2.1414	-1.3887	8.0867	0.004459177	0.019084157
<i>Fgf16</i>	-1.3153	0.1623	8.0862	0.004460281	0.01908514
<i>Best1</i>	-1.3758	0.1573	8.0777	0.004481437	0.019168152
<i>Carmil3</i>	-1.1448	0.7154	8.0666	0.004508902	0.019270527
<i>Chrna10</i>	-1.2318	1.6900	8.0395	0.004576914	0.019507732
<i>Dupd1</i>	-1.7112	1.4881	8.0286	0.004604343	0.019595928
<i>Gm42417</i>	-2.6449	-0.2288	8.0183	0.004630809	0.019695149
<i>Pgr</i>	-2.5096	-0.6846	8.0020	0.004672522	0.019841632
<i>Cd300ld3</i>	-4.7668	-1.7253	7.9608	0.004780158	0.020223958
<i>Hbb-bt</i>	-1.1191	2.0514	7.9426	0.004828512	0.020389021
<i>Myoz3</i>	-1.1209	3.4961	7.9373	0.004842693	0.020440996
<i>Hba-a1</i>	-1.0983	6.9425	7.9329	0.004854381	0.020478453
<i>Cubn</i>	-1.3094	-0.0013	7.9229	0.004881181	0.020575607
<i>Agr3</i>	-2.8491	-1.7252	7.9095	0.004917553	0.020700943
<i>Nlrp1a</i>	-1.4089	1.0526	7.9059	0.004927502	0.020734828
<i>Prr15l</i>	-1.3543	0.5251	7.9049	0.004929991	0.020741306
<i>Pcnx2</i>	-3.7918	-2.0570	7.8725	0.005019191	0.021055717
<i>Naa11</i>	-3.8196	-2.0555	7.8338	0.005127954	0.021437831
<i>Penk</i>	-1.0250	3.7539	7.7792	0.005285078	0.022023007
<i>Luzp2</i>	-2.4276	-1.5281	7.7782	0.005288057	0.022031215
<i>Ptx3</i>	-1.3998	0.7927	7.7541	0.005359117	0.022288985
<i>Espnl</i>	-2.1097	-0.9930	7.7250	0.005446196	0.022608081
<i>Gm13285</i>	-1.0018	0.5406	7.7184	0.005465984	0.022672001
<i>Amhr2</i>	-1.0318	0.9515	7.6868	0.005562684	0.023021602
<i>Krt33a</i>	-3.7877	-2.0614	7.6699	0.005615078	0.023181311
<i>A1bg</i>	-2.1840	-1.1569	7.6695	0.005616245	0.023181744
<i>Tbx5</i>	-1.6167	-0.0982	7.6622	0.00563906	0.023267118
<i>Irx6</i>	-2.3733	-1.5497	7.6579	0.005652339	0.023304291
<i>Gbgt1</i>	-1.2050	0.8601	7.6527	0.005668863	0.023354773
<i>Defb13</i>	-4.1834	-1.8942	7.6520	0.005671053	0.023359388
<i>Ttc9b</i>	-1.1341	1.0274	7.6496	0.005678394	0.023385212
<i>Gm4951</i>	-1.1698	1.3072	7.6241	0.005759307	0.023642616
<i>Spink2</i>	-1.9922	-0.6045	7.6174	0.005780763	0.023712861
<i>Shc2</i>	-1.0206	2.3980	7.5746	0.0059195	0.024200113
<i>Ccdc74a</i>	-1.6660	-0.4082	7.5606	0.005965653	0.024365981
<i>4930486L24Rik</i>	-1.1790	-0.0555	7.5570	0.005977761	0.02440174

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<i>Crygn</i>	-1.1571	0.8912	7.5443	0.006019985	0.024560325
<i>Fcer2a</i>	-1.0312	0.0551	7.5387	0.006038673	0.024613566
<i>Usp44</i>	-2.8097	-1.3396	7.5208	0.006099009	0.024799306
<i>Dnajc12</i>	-1.0500	1.9419	7.4818	0.006232528	0.025271606
<i>Mafa</i>	-1.4319	1.6672	7.4794	0.006240962	0.025296405
<i>Slamf7</i>	-1.1063	0.9776	7.4602	0.006307862	0.025515461
<i>Hepacam2</i>	-1.4716	1.3450	7.4511	0.006339789	0.025630359
<i>Unc79</i>	-1.2153	0.4497	7.4434	0.006366803	0.025720519
<i>9130204L05Rik</i>	-3.7526	0.4522	7.4241	0.006435629	0.025955333
<i>Trim30d</i>	-1.6825	-0.1683	7.3910	0.006554964	0.026348999
<i>Ctnna3</i>	-1.2849	0.9387	7.3856	0.006574961	0.026400217
<i>Olf1816</i>	-1.4445	0.2430	7.3593	0.006671733	0.026686765
<i>Mup13</i>	-4.1136	-1.9399	7.3330	0.006770077	0.027029544
<i>Grik2</i>	-1.2562	-0.3192	7.3215	0.006813587	0.027188344
<i>Nacad</i>	-1.0548	0.3778	7.2999	0.006895917	0.027476686
<i>Sall4</i>	-1.6164	-0.8153	7.2742	0.00699525	0.027816629
<i>Wfdc9</i>	-3.8791	-2.0098	7.2640	0.0070352	0.027955122
<i>S100g</i>	-1.7518	-0.7444	7.2580	0.007058669	0.028027973
<i>Krt73</i>	-3.1299	-0.4540	7.2499	0.007090464	0.028123533
<i>Wbp2nl</i>	-2.2971	-1.5869	7.2333	0.007156439	0.02835945
<i>Megf10</i>	-1.0113	0.2272	7.2326	0.007159185	0.028365184
<i>Hspb3</i>	-1.0196	1.4922	7.2281	0.007176917	0.02840966
<i>Kynu</i>	-1.0829	0.1442	7.2243	0.007192385	0.028460568
<i>Lsmem1</i>	-1.0765	2.7338	7.2215	0.007203713	0.028493841
<i>Pex5l</i>	-1.1093	0.3317	7.2213	0.007204232	0.028493841
<i>Lin28a</i>	-2.4410	-1.2299	7.2032	0.007277304	0.028713325
<i>Cnksr2</i>	-1.2606	0.5677	7.1825	0.007361716	0.028983522
<i>Gm10036</i>	-3.8736	0.5412	7.1492	0.007499747	0.029463197
<i>Spta1</i>	-2.5281	-1.4403	7.1318	0.007573003	0.029708217
<i>Asb15</i>	-1.1300	3.8170	7.1298	0.007581458	0.029736041
<i>Zfp456</i>	-1.0541	0.2203	7.0922	0.00774194	0.030278603
<i>Stc1</i>	-1.0494	0.6176	7.0798	0.007795756	0.030467088
<i>Gsto2</i>	-1.3560	-0.6389	7.0459	0.007944717	0.030966098
<i>Foxp2</i>	-1.0958	1.2884	7.0353	0.0079919	0.031133327
<i>Prdm6</i>	-1.6602	-0.5451	7.0293	0.008018458	0.031214506
<i>Chrdl2</i>	-1.6430	-0.2009	7.0193	0.008063551	0.031373262
<i>Cul7</i>	-1.0118	3.5386	6.9751	0.008265034	0.032008861
<i>Klf14</i>	-2.1729	-1.1098	6.9715	0.008281723	0.03206212
<i>Pik3c2g</i>	-1.0499	1.9113	6.9661	0.008306734	0.03214263
<i>BC049352</i>	-4.1512	-1.9235	6.9581	0.008343843	0.032256852
<i>Actbl2</i>	-4.1970	-1.8920	6.9106	0.008568714	0.032951137
<i>Trim43a</i>	-2.6773	-1.7981	6.8865	0.008684719	0.03333265
<i>Gm42791</i>	-1.1005	0.0974	6.8508	0.008860155	0.033916521
<i>Zc2hc1c</i>	-1.1887	0.8012	6.8396	0.008915774	0.03406375
<i>Retnlg</i>	-1.3546	0.3385	6.8305	0.008961431	0.034221886
<i>Rsph10b</i>	-1.0905	-0.0211	6.8235	0.008996572	0.034312396
<i>Olf118</i>	-3.6371	-2.1083	6.8136	0.009046486	0.034466637
<i>Olf1339</i>	-3.7555	-2.0645	6.8124	0.009052731	0.034473136
<i>Plac9a</i>	-1.5704	0.6012	6.7878	0.009178421	0.0348295
<i>C1ql3</i>	-2.2318	-1.3421	6.7817	0.009209662	0.03491164
<i>Col22a1</i>	-1.0935	0.8643	6.7796	0.00922031	0.034933806
<i>Apba2</i>	-1.1128	0.2656	6.7552	0.00934741	0.035360128
<i>Krt24</i>	-1.1331	0.7349	6.7534	0.009356721	0.035377566
<i>Siglecf</i>	-1.6276	-0.9441	6.7510	0.009369657	0.035419737
<i>Gm11559</i>	-3.5714	-2.1271	6.7503	0.009373158	0.035420704
<i>Sat2</i>	-1.0370	0.5770	6.7456	0.0093977	0.035501156
<i>Serpnb9b</i>	-1.0339	0.1057	6.7452	0.009399792	0.035501915
<i>Amph</i>	-4.1626	-1.9550	6.7445	0.009403944	0.035501915

Supplementary_Table_S2

<i>F2rl3</i>	-1.7571	-0.7610	6.7389	0.009433403	0.035556045
<i>Bend7</i>	-1.2979	-0.2429	6.7302	0.009479188	0.035703961
<i>Patl2</i>	-1.9125	-1.2745	6.6990	0.009646523	0.036239989
<i>Avp</i>	-2.7402	-1.7770	6.6987	0.009648061	0.036239989
<i>Mfsd4b1</i>	-1.1400	0.5005	6.6475	0.009929562	0.037143981
<i>D630003M21Rik</i>	-1.0695	0.2607	6.6349	0.009999911	0.037375117
<i>Gm2564</i>	-2.1824	-1.0856	6.6298	0.010028512	0.037456364
<i>Nhlh1</i>	-2.3536	-1.5492	6.6073	0.010156168	0.037874837
<i>Dok5</i>	-1.3512	-0.2909	6.5841	0.010289279	0.038279696
<i>Nog</i>	-1.3143	0.8702	6.5673	0.010386701	0.03855804
<i>Ugt8a</i>	-1.1005	0.2522	6.5660	0.010394321	0.038571888
<i>Olfr1264</i>	-2.6802	-1.7458	6.5632	0.010411074	0.038620929
<i>Zfp286</i>	-1.2012	0.0329	6.5308	0.010602041	0.039189495
<i>Gm14322</i>	-1.8255	-1.2838	6.5041	0.010762554	0.039708859
<i>Fgf10</i>	-1.1040	1.7398	6.4951	0.01081704	0.039882925
<i>Dyx1c1</i>	-1.2400	0.0594	6.4454	0.011123694	0.040827397
<i>Prr29</i>	-1.1610	0.3100	6.4437	0.011134486	0.040846406
<i>Mymx</i>	-2.8780	-1.7226	6.4318	0.011209196	0.041079061
<i>C530008M17Rik</i>	-1.0273	1.0069	6.4308	0.011215927	0.041089933
<i>Atp2b3</i>	-1.4598	0.7740	6.4289	0.011227795	0.041119611
<i>Gpha2</i>	-1.5117	-0.5354	6.4062	0.011371955	0.041543032
<i>Adra2c</i>	-1.2794	-0.5892	6.4042	0.011384944	0.041576567
<i>Cdhr4</i>	-2.6263	-1.8138	6.3989	0.01141895	0.041679837
<i>Gipc3</i>	-1.7250	-1.0368	6.3836	0.011518124	0.041950646
<i>Prss55</i>	-1.9641	-1.0772	6.3714	0.011597262	0.042175549
<i>Xlr3c</i>	-1.5014	-0.4989	6.3697	0.011608442	0.042209176
<i>Sag</i>	-1.3298	-0.5368	6.3681	0.011618894	0.042233114
<i>Zfp618</i>	-1.1970	0.3173	6.3668	0.011627471	0.042257255
<i>Marco</i>	-2.3039	-1.5867	6.3643	0.011644073	0.042310448
<i>Myh13</i>	-3.6223	-2.1152	6.3452	0.011769694	0.042674672
<i>Fbxo16</i>	-2.6029	-1.8281	6.3262	0.011896731	0.04306376
<i>Aifm3</i>	-2.0679	-1.1700	6.3180	0.011951948	0.043213478
<i>Ubap1l</i>	-1.3560	-0.7358	6.3135	0.011982231	0.043308622
<i>Gdf6</i>	-2.5973	-1.8269	6.2950	0.012107714	0.04366818
<i>Gm7697</i>	-3.4838	-2.1508	6.2909	0.012135994	0.043748496
<i>Smim10l2a</i>	-1.5378	-0.7451	6.2860	0.012169847	0.043848566
<i>Mstn</i>	-1.4727	6.8991	6.2837	0.012185651	0.043876787
<i>Pipox</i>	-3.5534	-2.1286	6.2832	0.01218863	0.043880273
<i>Gpr12</i>	-3.6046	-2.1225	6.2489	0.012426792	0.044594016
<i>Scgb1a1</i>	-1.2733	0.6972	6.2468	0.012441835	0.04462259
<i>Slc7a13</i>	-1.6795	-0.7629	6.2258	0.012589862	0.045064646
<i>Nmb</i>	-1.1315	0.5949	6.2158	0.012661493	0.045261677
<i>Rasgef1c</i>	-1.1197	-0.2007	6.1720	0.012978905	0.046207189
<i>Muc3a</i>	-1.1541	-0.4180	6.1653	0.013027949	0.046344004
<i>Gabra1</i>	-3.8620	-2.0562	6.1509	0.01313424	0.04666478
<i>Bcl2l14</i>	-1.3323	1.7462	6.1453	0.013175922	0.04677131
<i>Zfp493</i>	-1.1444	0.0483	6.1441	0.013185396	0.046789723
<i>Fndc7</i>	-2.5669	-0.9618	6.1355	0.013249038	0.046985013
<i>Rspo2</i>	-2.5751	-1.4629	6.1210	0.013358479	0.047319318
<i>Ddn</i>	-1.3549	-0.5411	6.1151	0.013402831	0.047437938
<i>C2cd4c</i>	-2.1803	-1.6351	6.1104	0.013438827	0.047508445
<i>4921507P07Rik</i>	-1.4666	-0.3933	6.0963	0.013546477	0.047861004
<i>Apol7c</i>	-2.3270	-1.5838	6.0337	0.014035154	0.049332063
<i>Olfr981</i>	-3.5143	-2.1358	6.0322	0.01404732	0.049350987
<i>Tnfrsf13b</i>	-1.6640	0.4197	6.0283	0.014078617	0.049437075

Supplementary_Table_S3

Supplementary Table S3. The genes upregulated in the SSS samples compared with the NT controls

Gene	logFC	logCPM	LR	PValue	FDR
<i>Csf3</i>	8.9393	3.6539	365.1879	2.08906E-81	4.56062E-77
<i>Prg4</i>	4.9614	6.8756	328.2434	2.31938E-73	2.53172E-69
<i>Timp1</i>	5.7229	5.9870	257.7889	5.2058E-58	3.78826E-54
<i>Cyp7b1</i>	5.0848	4.2819	241.1165	2.24528E-54	1.22542E-50
<i>Cxcl1</i>	5.9574	4.8689	236.5545	2.21817E-53	9.68497E-50
<i>Il19</i>	7.8325	2.5644	218.4276	1.99236E-49	7.2492E-46
<i>Cxcl5</i>	10.1819	6.7462	217.9264	2.56273E-49	7.99243E-46
<i>Tnc</i>	6.9508	9.4735	211.0002	8.31083E-48	2.26792E-44
<i>Il6</i>	9.1314	3.8465	204.7164	1.95285E-46	4.73695E-43
<i>Plaur</i>	5.2809	5.3421	203.3749	3.83154E-46	8.36463E-43
<i>Serpina3n</i>	4.4823	8.2924	198.5296	4.37225E-45	8.67732E-42
<i>Sh2d5</i>	5.7477	3.2209	197.2328	8.38917E-45	1.5262E-41
<i>Ppbp</i>	8.0744	4.3680	194.4818	3.34279E-44	5.61357E-41
<i>Cxcl3</i>	9.8112	5.5466	190.3081	2.72314E-43	4.24635E-40
<i>Ccl7</i>	5.1575	4.9184	186.0953	2.26301E-42	3.29359E-39
<i>Ccl8</i>	3.1341	6.1918	185.8107	2.61102E-42	3.56258E-39
<i>Il4ra</i>	3.9149	6.5873	183.2243	9.58209E-42	1.23051E-38
<i>Lrg1</i>	4.2632	7.8952	179.3734	6.64107E-41	8.05451E-38
<i>Fgf23</i>	8.6308	3.3507	178.8882	8.47576E-41	9.73865E-38
<i>Adamts4</i>	7.4743	4.8935	177.3713	1.81716E-40	1.98352E-37
<i>Car4</i>	5.1901	6.0130	172.7617	1.84507E-39	1.91808E-36
<i>Pdpn</i>	3.4473	6.5693	166.1765	5.06186E-38	5.02297E-35
<i>Mcoln2</i>	3.8214	4.2850	164.9486	9.38745E-38	8.91033E-35
<i>Msr1</i>	5.0082	4.8366	158.8294	2.03896E-36	1.85469E-33
<i>Mmp3</i>	4.1331	7.3425	157.6698	3.65411E-36	3.19092E-33
<i>Clec4e</i>	11.6684	4.1371	157.2186	4.58554E-36	3.85027E-33
<i>Fpr1</i>	8.3851	3.5935	154.8444	1.51428E-35	1.22438E-32
<i>Slc39a14</i>	3.8990	6.9182	152.4787	4.9796E-35	3.88249E-32
<i>Rtn4rl2</i>	4.8583	2.8545	152.0982	6.03052E-35	4.53974E-32
<i>Ccl2</i>	5.0395	4.3878	149.7387	1.97732E-34	1.4389E-31
<i>Cemip</i>	5.4261	2.6796	148.5294	3.63423E-34	2.55932E-31
<i>Retnlg</i>	7.9239	6.9566	144.8998	2.25879E-33	1.54099E-30
<i>Fpr2</i>	7.2522	3.4629	143.8113	3.90703E-33	2.58468E-30
<i>Ptx3</i>	6.6190	6.7377	138.2682	6.36707E-32	4.08822E-29
<i>Il17ra</i>	2.6736	4.3481	138.1694	6.69163E-32	4.17386E-29
<i>Bcat1</i>	4.6035	3.3344	137.3266	1.02295E-31	6.20333E-29
<i>Cyp4f18</i>	7.5763	4.6946	136.7899	1.34043E-31	7.9089E-29
<i>Crabp1</i>	4.0770	4.0822	135.0825	3.16724E-31	1.81958E-28
<i>Stfa2l1</i>	8.4485	3.6407	134.9103	3.45434E-31	1.93363E-28
<i>Entpd3</i>	3.8598	2.5382	134.6371	3.96377E-31	2.16333E-28
<i>Upp1</i>	5.2363	4.0562	134.4739	4.30349E-31	2.29145E-28
<i>Bcl3</i>	2.7455	4.9200	134.1544	5.05476E-31	2.62739E-28
<i>Apln</i>	4.6849	3.0063	130.8695	2.64436E-30	1.34253E-27
<i>Ccl9</i>	3.0756	7.1973	130.7901	2.75224E-30	1.36555E-27
<i>Trem14</i>	7.7566	2.4895	124.9006	5.35086E-29	2.59588E-26
<i>Spr2f</i>	6.3570	3.8873	123.7100	9.74994E-29	4.6272E-26
<i>Mmp8</i>	9.4901	5.3160	123.0617	1.35178E-28	6.27886E-26
<i>Chil3</i>	10.2031	2.6882	122.4144	1.87322E-28	8.51962E-26
<i>Trem1</i>	9.5850	5.1198	122.2667	2.01802E-28	8.99088E-26
<i>Lilrb4a</i>	4.5227	4.9918	121.2637	3.34578E-28	1.46083E-25
<i>Lcn2</i>	6.7881	8.2708	120.8221	4.17985E-28	1.78922E-25
<i>Gm5483</i>	8.3409	3.8868	119.4916	8.17415E-28	3.43173E-25
<i>S100a9</i>	6.6346	9.5585	118.9219	1.08934E-27	4.48705E-25
<i>Lrrc32</i>	2.7383	5.2076	117.9204	1.80491E-27	7.29684E-25
<i>Cd14</i>	4.9899	7.1235	116.9326	2.96996E-27	1.17886E-24
<i>Ms4a4c</i>	6.1439	3.4926	115.3085	6.73603E-27	2.62597E-24

Supplementary_Table_S3

<i>Il24</i>	10.0630	2.5449	114.6906	9.19871E-27	3.52311E-24
<i>Gm5416</i>	6.9309	3.0296	113.5936	1.59951E-26	6.02049E-24
<i>Slc7a11</i>	3.9707	4.9735	110.2781	8.5166E-26	3.15129E-23
<i>Mrgpra2b</i>	10.8922	3.3681	109.6562	1.1655E-25	4.21739E-23
<i>Pf4</i>	3.1842	6.0790	109.6343	1.17842E-25	4.21739E-23
<i>Wfdc17</i>	3.7165	5.8182	108.7368	1.85331E-25	6.52574E-23
<i>Ms4a6d</i>	4.2024	5.8156	108.4270	2.16689E-25	7.5088E-23
<i>Ccl12</i>	6.3478	1.8834	108.0106	2.67341E-25	9.11926E-23
<i>Gm10309</i>	7.4597	2.2070	107.8619	2.8818E-25	9.67886E-23
<i>Slfn1</i>	5.5846	3.8574	106.8669	4.76086E-25	1.57476E-22
<i>Ccr5</i>	3.5164	4.3889	106.8235	4.86631E-25	1.58562E-22
<i>Mkl1</i>	2.9355	3.1548	105.0376	1.1984E-24	3.84738E-22
<i>Ccl4</i>	7.3538	4.5674	104.7828	1.36282E-24	4.31186E-22
<i>2010005H15Rik</i>	7.2333	1.9871	102.9674	3.40713E-24	1.06259E-21
<i>Snai1</i>	3.6110	3.5666	102.1224	5.21954E-24	1.6049E-21
<i>B4galt5</i>	2.3105	5.2621	101.2259	8.20708E-24	2.48845E-21
<i>Lbp</i>	2.6539	7.3908	101.1266	8.62881E-24	2.58049E-21
<i>Olfm4</i>	7.9441	2.6722	99.2191	2.26057E-23	6.66898E-21
<i>Ifi204</i>	2.2587	5.9224	97.5360	5.28864E-23	1.53942E-20
<i>Plek</i>	3.7485	6.0951	97.4436	5.54122E-23	1.59171E-20
<i>Samsn1</i>	4.5555	4.1944	95.9785	1.16136E-22	3.29267E-20
<i>Nlrp3</i>	5.6453	4.5718	95.3329	1.60914E-22	4.50373E-20
<i>Cfb</i>	2.8416	7.0718	94.5285	2.41594E-22	6.67626E-20
<i>Bst1</i>	3.6732	4.2379	93.9924	3.16732E-22	8.64323E-20
<i>Cd300lf</i>	5.7678	4.5133	93.4596	4.14567E-22	1.11733E-19
<i>Mt2</i>	3.2288	9.4092	92.9883	5.26052E-22	1.40052E-19
<i>Olf1033</i>	3.1448	6.9539	92.8572	5.62059E-22	1.47835E-19
<i>Slfn2</i>	2.8874	5.4967	92.8231	5.71825E-22	1.48613E-19
<i>Ddah1</i>	3.1563	5.1170	92.7023	6.07843E-22	1.56116E-19
<i>Glis3</i>	3.6615	3.0786	92.5510	6.56106E-22	1.66552E-19
<i>Osm</i>	6.4153	3.8317	92.3776	7.1622E-22	1.79722E-19
<i>Prok2</i>	9.7633	2.2580	90.9961	1.43958E-21	3.5713E-19
<i>S100a8</i>	8.5868	8.9146	90.5807	1.77584E-21	4.35601E-19
<i>Mcomp1</i>	6.7486	3.7860	90.4800	1.86855E-21	4.53247E-19
<i>Ifi202b</i>	2.5649	7.1475	90.2673	2.08062E-21	4.99143E-19
<i>Slc15a3</i>	4.6069	4.1168	90.1900	2.16354E-21	5.13395E-19
<i>Slfn4</i>	6.5334	6.7781	90.1067	2.25655E-21	5.29706E-19
<i>Ccl6</i>	2.8394	7.5574	89.9593	2.43109E-21	5.64608E-19
<i>Cd38</i>	2.5991	3.8931	89.8368	2.58638E-21	5.9435E-19
<i>Lce3b</i>	9.7105	2.1898	88.5115	5.05415E-21	1.14934E-18
<i>Serpinh1</i>	2.0661	7.9139	88.3888	5.37751E-21	1.21027E-18
<i>Adamts9</i>	4.0065	4.8820	87.7278	7.51096E-21	1.67318E-18
<i>Srgn</i>	4.3564	6.9978	87.1316	1.01535E-20	2.239E-18
<i>Hp</i>	6.3509	10.3347	86.3203	1.53027E-20	3.34073E-18
<i>Zfp729a</i>	2.2104	7.7315	85.9327	1.86163E-20	4.02388E-18
<i>Tmem8</i>	3.5432	5.3058	85.5318	2.2801E-20	4.88009E-18
<i>Mt1</i>	2.8621	9.1171	84.9751	3.02145E-20	6.40401E-18
<i>Lrrc59</i>	1.9094	7.2334	84.8236	3.26209E-20	6.84756E-18
<i>Adamts1</i>	2.4389	6.7987	84.6882	3.49337E-20	7.26321E-18
<i>Csf2rb2</i>	2.6141	4.9306	83.7815	5.52599E-20	1.13809E-17
<i>Mmp19</i>	2.7378	5.6774	83.6159	6.00864E-20	1.22593E-17
<i>Csf2rb</i>	2.7383	6.4802	83.4440	6.55472E-20	1.32496E-17
<i>Tlr13</i>	3.8656	4.1361	82.8687	8.76868E-20	1.75623E-17
<i>Gjb2</i>	4.9344	6.8723	82.5377	1.03672E-19	2.05751E-17
<i>Cd177</i>	7.5330	3.8043	82.4782	1.0684E-19	2.10129E-17
<i>Pla2g4d</i>	6.0088	0.8355	81.9782	1.37599E-19	2.68208E-17
<i>Tmem173</i>	2.3331	4.6366	81.8817	1.44483E-19	2.79134E-17
<i>Csf3r</i>	5.7834	5.8974	81.3945	1.84872E-19	3.54031E-17

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<i>Hdc</i>	4.9166	6.1530	81.3622	1.87917E-19	3.56731E-17
<i>Selp</i>	4.9539	5.8124	81.0672	2.18172E-19	4.10596E-17
<i>Gldc</i>	3.2053	2.7344	80.9564	2.30752E-19	4.3056E-17
<i>Fcgr1</i>	4.4622	3.7230	80.6258	2.72776E-19	5.04659E-17
<i>Layn</i>	2.5831	2.7983	80.5717	2.80346E-19	5.14305E-17
<i>Cdhr1</i>	5.6687	1.8128	80.4773	2.94069E-19	5.34985E-17
<i>Uox</i>	6.3176	1.1029	80.1649	3.44438E-19	6.2144E-17
<i>Smim3</i>	3.0004	3.6066	79.1775	5.67722E-19	1.0159E-16
<i>Fcer1g</i>	2.3896	5.8281	78.9545	6.35583E-19	1.12808E-16
<i>Fkbp10</i>	2.0234	5.0810	78.3794	8.50338E-19	1.4932E-16
<i>Thbs1</i>	3.0968	8.8115	78.3687	8.54977E-19	1.4932E-16
<i>Inhba</i>	4.2266	3.1562	78.0872	9.85907E-19	1.7082E-16
<i>Ifitm1</i>	4.5068	6.2217	77.9743	1.04391E-18	1.79445E-16
<i>Krt6a</i>	5.4182	10.6899	77.8679	1.1017E-18	1.879E-16
<i>Serpina3m</i>	4.9695	2.0464	77.5858	1.27082E-18	2.15064E-16
<i>Isyna1</i>	1.5634	5.2668	77.5299	1.30729E-18	2.19534E-16
<i>Ccr1</i>	4.5714	4.9468	77.0513	1.66572E-18	2.7759E-16
<i>Sprr2e</i>	5.1519	3.8396	77.0243	1.68868E-18	2.79284E-16
<i>Klk6</i>	4.6639	7.6543	76.9529	1.75083E-18	2.85588E-16
<i>Oasl1</i>	2.5391	2.7951	76.9505	1.75295E-18	2.85588E-16
<i>Phlda1</i>	1.9176	4.6164	76.9131	1.7865E-18	2.88897E-16
<i>Adgra2</i>	2.4801	5.6822	76.8120	1.88031E-18	3.01831E-16
<i>Ripk3</i>	2.1941	4.4247	76.7611	1.92936E-18	3.07444E-16
<i>BC117090</i>	6.3763	1.1640	76.6247	2.06738E-18	3.27051E-16
<i>Prl2c3</i>	9.0988	1.6141	76.5580	2.13838E-18	3.35849E-16
<i>Fcgr4</i>	4.2007	2.4080	76.2305	2.52411E-18	3.93599E-16
<i>Padi4</i>	3.4241	2.9016	76.1139	2.67762E-18	4.14575E-16
<i>Ifi205</i>	1.9491	5.5981	75.8411	3.07432E-18	4.72644E-16
<i>Mmp10</i>	5.8635	1.7574	75.6610	3.36791E-18	5.1416E-16
<i>Clec4n</i>	3.9541	3.9237	75.5551	3.55359E-18	5.38739E-16
<i>Gprc5a</i>	3.3838	2.3165	74.8466	5.08743E-18	7.65956E-16
<i>Tinagl1</i>	2.1585	5.7809	74.6978	5.48568E-18	8.2026E-16
<i>Helz2</i>	1.9752	4.8685	74.5591	5.88488E-18	8.73964E-16
<i>Stx11</i>	3.0926	4.5042	74.3655	6.49121E-18	9.57497E-16
<i>Trem3</i>	6.3672	1.9646	74.1493	7.24254E-18	1.06115E-15
<i>Hmga2</i>	4.5354	2.0573	73.9528	8.00077E-18	1.16443E-15
<i>Sec24d</i>	1.6811	5.7340	73.9370	8.06514E-18	1.16603E-15
<i>Msn</i>	1.9537	8.0215	73.6735	9.21671E-18	1.32375E-15
<i>Sprr2i</i>	5.7087	3.1410	73.5392	9.86586E-18	1.40772E-15
<i>Klk14</i>	5.3343	1.2874	73.3287	1.09761E-17	1.55597E-15
<i>A4galt</i>	1.5631	4.2758	72.8952	1.36722E-17	1.92566E-15
<i>Steap4</i>	3.4132	7.5027	72.3154	1.83411E-17	2.56669E-15
<i>Glpr2</i>	2.5973	4.9238	72.2818	1.86563E-17	2.59418E-15
<i>Col8a1</i>	3.3860	4.8974	72.1005	2.04512E-17	2.82576E-15
<i>Hck</i>	3.2535	3.8397	71.8501	2.32181E-17	3.1879E-15
<i>Trim30b</i>	6.3443	3.4869	71.2383	3.16591E-17	4.31968E-15
<i>Sprr1b</i>	5.0020	7.7963	71.1900	3.24427E-17	4.39911E-15
<i>Fcgr2b</i>	2.5224	6.6984	70.9574	3.65016E-17	4.91894E-15
<i>Sprr2j-ps</i>	5.2666	1.4177	70.9274	3.70608E-17	4.96365E-15
<i>Lgmn</i>	2.0663	8.0510	70.6452	4.27611E-17	5.69218E-15
<i>Efemp2</i>	2.0229	5.3030	70.6149	4.34228E-17	5.74523E-15
<i>Emilin1</i>	2.4568	4.6974	70.1272	5.56009E-17	7.31219E-15
<i>Gch1</i>	2.4863	3.2762	69.9263	6.15623E-17	8.0477E-15
<i>Col18a1</i>	1.5533	6.8407	69.9139	6.19518E-17	8.05041E-15
<i>Rarres2</i>	1.9433	7.8563	69.1780	8.99677E-17	1.15683E-14
<i>Steap1</i>	4.8226	1.5389	69.1754	9.00831E-17	1.15683E-14
<i>Clec4d</i>	6.8569	5.2435	68.9153	1.02783E-16	1.3122E-14
<i>Ms4a4a</i>	3.1686	5.1208	68.7396	1.1236E-16	1.42612E-14

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<i>Sprr2h</i>	4.0832	6.0581	68.6431	1.17997E-16	1.48864E-14
<i>Sell</i>	5.7881	4.8499	68.6322	1.18649E-16	1.48864E-14
<i>Galnt6</i>	2.0572	4.6204	68.5471	1.23881E-16	1.5454E-14
<i>Fscn1</i>	2.4042	5.9952	68.4933	1.27307E-16	1.57912E-14
<i>Tmem252</i>	2.2766	3.6274	68.3816	1.34731E-16	1.66176E-14
<i>Tm4sf1</i>	2.4636	4.6099	68.2082	1.47112E-16	1.80427E-14
<i>Stc1</i>	2.6471	2.5724	68.0576	1.5879E-16	1.93662E-14
<i>Plvap</i>	1.8357	6.6518	67.7858	1.82255E-16	2.21044E-14
<i>Ecscr</i>	1.9890	4.2184	67.6570	1.94565E-16	2.34672E-14
<i>Ifitm3</i>	1.6564	8.1639	67.4628	2.14697E-16	2.5753E-14
<i>Eif1a</i>	1.5483	6.0553	66.9618	2.76813E-16	3.30225E-14
<i>F10</i>	4.0433	2.5717	66.9507	2.78376E-16	3.30284E-14
<i>Sele</i>	3.7824	3.4935	66.6665	3.21546E-16	3.79441E-14
<i>Nek6</i>	1.6506	5.6721	66.4899	3.51691E-16	4.12783E-14
<i>Gk</i>	2.6084	4.4275	66.4283	3.62846E-16	4.23599E-14
<i>Ngp</i>	8.6620	1.1962	66.1908	4.09309E-16	4.75299E-14
<i>Stfa1</i>	5.6964	6.1345	66.0653	4.36221E-16	5.03869E-14
<i>Ccl21a</i>	1.5219	5.8351	65.8927	4.76157E-16	5.47105E-14
<i>Chil1</i>	2.8565	6.8315	65.8115	4.96191E-16	5.67138E-14
<i>Rnd1</i>	3.2347	2.8329	65.7940	5.0061E-16	5.69209E-14
<i>Alpl</i>	3.6568	4.1407	65.7550	5.10608E-16	5.77569E-14
<i>Aldh18a1</i>	1.5244	4.7004	65.7443	5.13376E-16	5.77707E-14
<i>Arpc1b</i>	1.6510	7.3761	65.0970	7.13017E-16	7.9825E-14
<i>Igfbp7</i>	1.6731	7.4716	64.4789	9.75706E-16	1.08677E-13
<i>Slpi</i>	4.7825	5.2976	64.3206	1.05736E-15	1.17174E-13
<i>Csgalnact1</i>	1.8658	3.6463	63.6325	1.49931E-15	1.65311E-13
<i>Lce3d</i>	5.7215	3.7847	63.3259	1.75186E-15	1.92185E-13
<i>Tnfaip6</i>	4.5706	4.4078	63.0601	2.00499E-15	2.18855E-13
<i>Ctps</i>	1.6382	5.4857	62.8979	2.17709E-15	2.35528E-13
<i>Lyn</i>	2.5893	5.2219	62.8958	2.17932E-15	2.35528E-13
<i>Adam12</i>	3.7228	3.7246	62.7672	2.32636E-15	2.50181E-13
<i>Itgam</i>	3.0095	6.5554	62.2673	2.99862E-15	3.20896E-13
<i>Saa1</i>	5.8669	3.1202	62.1545	3.17539E-15	3.38156E-13
<i>Rgs16</i>	2.7921	2.3691	62.0902	3.28087E-15	3.47693E-13
<i>Tubb3</i>	4.8471	2.7788	61.8322	3.74001E-15	3.94435E-13
<i>Il1b</i>	6.9374	7.1172	61.8076	3.78707E-15	3.97479E-13
<i>Aif1</i>	2.6361	2.6868	61.1157	5.38162E-15	5.62135E-13
<i>Nus1</i>	1.4410	6.1180	61.0608	5.53384E-15	5.75282E-13
<i>Pi15</i>	2.2474	4.3070	60.7034	6.63556E-15	6.86544E-13
<i>Lox</i>	2.4957	6.4855	60.3500	7.94043E-15	8.17677E-13
<i>Zbp1</i>	1.8837	3.7844	59.6181	1.15172E-14	1.18043E-12
<i>Sod3</i>	1.4257	7.4464	59.4514	1.25349E-14	1.27874E-12
<i>Mark1</i>	1.7347	3.5107	59.2375	1.39743E-14	1.4166E-12
<i>Cd300ld</i>	4.8220	2.3632	59.2317	1.40161E-14	1.4166E-12
<i>Pglyrp1</i>	4.2737	3.3971	59.2032	1.42199E-14	1.43057E-12
<i>Osmr</i>	1.6557	6.5990	58.8770	1.67839E-14	1.68077E-12
<i>Cd53</i>	3.0246	5.9893	58.4506	2.08455E-14	2.07798E-12
<i>Slc41a2</i>	2.0756	3.3592	58.4100	2.12806E-14	2.11171E-12
<i>Klra17</i>	7.6604	1.7010	58.2611	2.2954E-14	2.26746E-12
<i>Tlr2</i>	2.6848	4.1642	58.1000	2.49127E-14	2.44986E-12
<i>Kdelr3</i>	2.1208	3.6452	57.6104	3.19538E-14	3.12818E-12
<i>Aplnr</i>	2.6573	3.5248	57.3320	3.68119E-14	3.58768E-12
<i>Col4a2</i>	2.5624	8.3764	57.1521	4.0338E-14	3.9089E-12
<i>Rab31</i>	1.8079	6.0214	57.1459	4.0466E-14	3.9089E-12
<i>Runx1</i>	1.6105	4.6042	57.1309	4.07741E-14	3.92132E-12
<i>Dhx58</i>	2.1252	2.9098	56.4641	5.72346E-14	5.48021E-12
<i>Il18rap</i>	4.8055	3.8616	56.4296	5.82474E-14	5.55283E-12
<i>Sox18</i>	1.7250	4.0287	56.1319	6.77685E-14	6.4324E-12
<i>Gda</i>	2.3097	7.1354	56.0431	7.08999E-14	6.7005E-12

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<i>Hcls1</i>	2.3954	5.2044	56.0222	7.1656E-14	6.74277E-12
<i>Nxpe5</i>	1.4307	4.6325	55.9853	7.3014E-14	6.84107E-12
<i>C1qtnf6</i>	1.7708	3.7254	55.9309	7.50624E-14	7.00293E-12
<i>Sema6b</i>	2.2500	4.1459	55.6731	8.55823E-14	7.95042E-12
<i>Fgr</i>	3.4493	4.1300	55.5988	8.888E-14	8.22177E-12
<i>Hhip1</i>	3.4361	2.1528	55.3445	1.0115E-13	9.31735E-12
<i>Krt16</i>	4.6921	9.6942	55.2878	1.04113E-13	9.54999E-12
<i>Tmem198b</i>	2.1618	4.2649	54.9818	1.21648E-13	1.11117E-11
<i>A730049H05Rik</i>	7.1709	-0.1390	54.8551	1.29755E-13	1.18028E-11
<i>Olr1</i>	3.4487	0.3466	54.8216	1.31985E-13	1.19065E-11
<i>Cxcl12</i>	2.4128	7.9110	54.4889	1.5633E-13	1.40446E-11
<i>Efh2</i>	1.6061	6.5405	54.3678	1.66267E-13	1.48761E-11
<i>Fblim1</i>	1.7870	4.0134	54.3044	1.71713E-13	1.53007E-11
<i>Entpd1</i>	2.4741	6.1009	54.2704	1.74715E-13	1.55049E-11
<i>Cd80</i>	3.1057	1.9681	54.1271	1.87929E-13	1.661E-11
<i>Gm5150</i>	6.3870	1.4304	54.0364	1.96813E-13	1.73251E-11
<i>Mterf4</i>	1.4113	5.6670	53.8815	2.12949E-13	1.86702E-11
<i>Cotl1</i>	1.6802	6.2874	53.8206	2.19661E-13	1.91816E-11
<i>Gm5478</i>	8.0554	2.7859	53.6534	2.39171E-13	2.08022E-11
<i>Cd300c2</i>	3.2105	1.4195	53.6209	2.43162E-13	2.10654E-11
<i>Defb3</i>	8.3625	0.9045	53.5482	2.5232E-13	2.17723E-11
<i>Praf2</i>	1.4897	3.8665	53.4832	2.60815E-13	2.24168E-11
<i>Olf1217</i>	3.2261	2.2104	53.3992	2.72205E-13	2.32776E-11
<i>Galk1</i>	1.7903	3.6454	53.3938	2.72963E-13	2.32776E-11
<i>Tarm1</i>	4.1744	2.3825	53.3536	2.78605E-13	2.36662E-11
<i>Saa3</i>	7.8403	8.6721	53.3371	2.8095E-13	2.37729E-11
<i>Lgals9</i>	1.2719	5.8186	53.0604	3.23441E-13	2.72627E-11
<i>Tspan11</i>	1.7747	3.7566	52.6959	3.8941E-13	3.25717E-11
<i>Clec5a</i>	3.3807	1.3007	52.6235	4.0403E-13	3.36655E-11
<i>Il13ra2</i>	4.1167	1.9532	52.6074	4.07343E-13	3.38126E-11
<i>Tlr1</i>	5.7012	1.8930	52.4570	4.39779E-13	3.63667E-11
<i>Tnfrsf1b</i>	2.0033	5.0073	52.3141	4.72964E-13	3.89633E-11
<i>Tspan4</i>	1.9228	5.7843	52.2557	4.87241E-13	3.99885E-11
<i>Cdr2l</i>	1.4488	4.0312	52.1363	5.17777E-13	4.23356E-11
<i>Ms4a6b</i>	2.8338	4.6174	52.1275	5.20107E-13	4.23674E-11
<i>Rpl39l</i>	2.5319	3.0558	52.0959	5.28541E-13	4.28943E-11
<i>Pgm1</i>	1.6688	3.9311	51.9959	5.56175E-13	4.48039E-11
<i>Rtp4</i>	1.6922	3.5765	51.9654	5.64881E-13	4.53379E-11
<i>Sirpb1b</i>	7.3978	0.0595	51.9423	5.71558E-13	4.57058E-11
<i>Il33</i>	2.0927	7.0119	51.8341	6.03933E-13	4.81185E-11
<i>Cyp20a1</i>	1.8563	3.5921	51.6667	6.57686E-13	5.22107E-11
<i>Lcp2</i>	2.5512	4.1917	51.5870	6.84926E-13	5.41761E-11
<i>B430306N03Rik</i>	4.3214	1.9715	51.4513	7.3395E-13	5.76845E-11
<i>Spr2k</i>	6.0347	0.2044	51.4497	7.34565E-13	5.76845E-11
<i>C5ar1</i>	2.8912	4.8014	51.3773	7.62158E-13	5.96369E-11
<i>Sdf2l1</i>	1.9643	4.9726	51.3645	7.67116E-13	5.98104E-11
<i>Serpine1</i>	2.2772	6.5170	51.1208	8.6854E-13	6.74772E-11
<i>Tcf23</i>	4.4485	2.5573	50.9608	9.42281E-13	7.29466E-11
<i>Svep1</i>	2.1354	6.4309	50.9323	9.56063E-13	7.3752E-11
<i>Il1r1</i>	2.0329	6.9006	50.9158	9.6415E-13	7.41139E-11
<i>Lpgat1</i>	2.2973	6.8106	50.5379	1.16884E-12	8.95333E-11
<i>Hif1a</i>	1.4087	7.0090	50.4820	1.20261E-12	9.17978E-11
<i>Lce3f</i>	6.3031	1.9244	50.3707	1.2728E-12	9.68174E-11
<i>Vmp1</i>	1.3833	5.9045	50.3206	1.30569E-12	9.89743E-11
<i>Sdcbp</i>	1.5323	7.1237	50.1389	1.43239E-12	1.08202E-10
<i>Ccr7</i>	2.3826	1.5926	50.0203	1.52162E-12	1.14547E-10
<i>Stom</i>	1.7063	6.7789	49.8375	1.67021E-12	1.253E-10
<i>Hgf</i>	3.4578	1.3754	49.7197	1.77357E-12	1.32599E-10
<i>Mmp9</i>	2.0356	5.7052	49.4224	2.06376E-12	1.53767E-10

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<i>Sirpb1c</i>	5.4681	1.7326	49.1769	2.33895E-12	1.73679E-10
<i>Nos3</i>	2.0547	4.6466	49.1206	2.40701E-12	1.78127E-10
<i>F7</i>	4.4936	0.9316	49.0092	2.54764E-12	1.87897E-10
<i>Pdia5</i>	1.8417	3.5370	48.9691	2.6003E-12	1.91135E-10
<i>Spp1</i>	5.3390	6.9976	48.7257	2.94384E-12	2.15661E-10
<i>Serpinb1a</i>	2.1724	6.1465	48.5898	3.15512E-12	2.30366E-10
<i>Cxcr2</i>	3.4392	5.8188	48.5364	3.24213E-12	2.3593E-10
<i>Akr1b8</i>	2.0191	5.2226	48.1467	3.95484E-12	2.85888E-10
<i>Vcan</i>	2.9615	6.3063	48.0484	4.15828E-12	2.99602E-10
<i>Cthrc1</i>	1.9590	2.3794	47.9820	4.30147E-12	3.08899E-10
<i>Nipsnap3b</i>	1.8392	3.5338	47.9614	4.3469E-12	3.11138E-10
<i>Gja5</i>	2.1100	2.5654	47.8636	4.56926E-12	3.25986E-10
<i>Socs3</i>	1.7734	7.3960	47.6685	5.04748E-12	3.58239E-10
<i>Bcl2a1b</i>	2.7453	1.7694	47.6604	5.06817E-12	3.58239E-10
<i>Cd63</i>	1.5041	7.8349	47.6595	5.07058E-12	3.58239E-10
<i>A530032D15Rik</i>	3.7042	1.5641	47.6095	5.20155E-12	3.66306E-10
<i>Ptgir</i>	2.5010	3.6905	47.5883	5.25801E-12	3.69092E-10
<i>Itgb2l</i>	7.9619	0.5604	47.5201	5.44431E-12	3.79952E-10
<i>Krt6b</i>	8.1589	9.8227	47.5189	5.44753E-12	3.79952E-10
<i>Cyyr1</i>	1.8329	4.4939	47.3717	5.87234E-12	4.08278E-10
<i>Aldh3b1</i>	1.8514	3.6498	47.3099	6.06051E-12	4.20022E-10
<i>Rasip1</i>	1.4604	5.0189	47.2089	6.3811E-12	4.40841E-10
<i>Hilpda</i>	1.7676	4.0196	47.1867	6.45377E-12	4.44455E-10
<i>Cp</i>	2.6792	6.5290	47.0872	6.7899E-12	4.66133E-10
<i>Lgi2</i>	2.1629	5.4149	46.8661	7.6008E-12	5.18541E-10
<i>Lce3a</i>	4.7721	1.4739	46.5012	9.15614E-12	6.18847E-10
<i>Pgf</i>	2.6108	1.7249	46.4767	9.27136E-12	6.24701E-10
<i>Cntn2</i>	4.5781	0.5655	46.3721	9.77993E-12	6.5694E-10
<i>B3gnt5</i>	4.1693	1.2053	46.3343	9.9702E-12	6.67667E-10
<i>Ets1</i>	1.4218	5.2341	46.2922	1.01868E-11	6.80086E-10
<i>Dab2</i>	2.5745	7.2218	46.2746	1.02785E-11	6.84118E-10
<i>Icam1</i>	1.6715	5.2921	46.1546	1.0928E-11	7.24178E-10
<i>Itgb2</i>	2.3745	5.7792	46.1512	1.09468E-11	7.24178E-10
<i>Cyba</i>	1.7736	5.1284	46.0166	1.17255E-11	7.73355E-10
<i>Esam</i>	1.5651	4.9801	46.0079	1.17775E-11	7.7444E-10
<i>Ptgs2</i>	2.2637	4.9362	45.9277	1.22699E-11	8.04396E-10
<i>Chsy1</i>	1.7406	3.8309	45.8034	1.30736E-11	8.5452E-10
<i>Nfkbid</i>	2.4182	3.7310	45.7432	1.34817E-11	8.78564E-10
<i>Tmem176a</i>	2.2657	4.2107	45.6699	1.39959E-11	9.09356E-10
<i>Cd68</i>	1.6879	6.5442	45.5748	1.46916E-11	9.51318E-10
<i>Tnfrsf26</i>	2.6694	2.8970	45.5699	1.47288E-11	9.51318E-10
<i>Clec4a2</i>	2.6187	3.6944	45.5568	1.4828E-11	9.54895E-10
<i>Coro1a</i>	2.0106	6.1092	45.4360	1.57705E-11	1.01261E-09
<i>Kcnab2</i>	1.5275	3.8052	45.2545	1.7302E-11	1.10768E-09
<i>Spatc1</i>	5.3260	1.4890	45.2190	1.76185E-11	1.12465E-09
<i>Steap2</i>	1.9062	3.2539	45.0760	1.8953E-11	1.2063E-09
<i>Col4a1</i>	2.5050	8.9923	45.0339	1.93649E-11	1.22894E-09
<i>Nppb</i>	5.2346	0.1580	45.0073	1.96303E-11	1.24217E-09
<i>Ifi211</i>	2.4982	4.5748	44.9521	2.01911E-11	1.27396E-09
<i>A530064D06Rik</i>	3.8646	2.2314	44.9161	2.0566E-11	1.29388E-09
<i>Plscr1</i>	3.2996	2.6959	44.7940	2.1889E-11	1.37316E-09
<i>Krt42</i>	6.3336	-0.7904	44.5288	2.50647E-11	1.56339E-09
<i>Asns</i>	1.4342	5.1883	44.4347	2.62983E-11	1.63567E-09
<i>AB124611</i>	2.4902	3.3991	44.3207	2.78746E-11	1.72878E-09
<i>Ms4a6c</i>	3.0530	4.8132	44.2187	2.93666E-11	1.81615E-09
<i>Alox5ap</i>	2.2322	5.8014	44.1760	3.00144E-11	1.85097E-09
<i>Tgm2</i>	1.7941	8.4114	44.1544	3.03463E-11	1.86617E-09
<i>Fkbp14</i>	1.6550	3.4701	44.0893	3.13724E-11	1.92385E-09
<i>Saa2</i>	6.6756	1.4692	43.9992	3.28518E-11	2.00893E-09

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<i>Ms4a8a</i>	2.0974	2.7190	43.9024	3.45174E-11	2.10489E-09
<i>Bend4</i>	3.2197	1.9973	43.7437	3.74321E-11	2.27627E-09
<i>Mrgpra2a</i>	6.8024	0.9016	43.4866	4.26871E-11	2.58164E-09
<i>Tubb6</i>	2.5673	6.8957	43.4865	4.26903E-11	2.58164E-09
<i>Fam83a</i>	2.8529	2.8746	43.4780	4.28762E-11	2.58572E-09
<i>Acta2</i>	1.3771	6.8880	43.0203	5.41757E-11	3.2492E-09
<i>Sgms2</i>	1.8514	4.5978	42.9740	5.54726E-11	3.31787E-09
<i>Lrp8</i>	2.2259	2.1009	42.8332	5.96131E-11	3.54608E-09
<i>Ncf2</i>	2.1986	5.3966	42.7223	6.30876E-11	3.74257E-09
<i>Gsap</i>	2.2907	2.3416	42.2480	8.04038E-11	4.74404E-09
<i>Fgf7</i>	1.6037	3.6821	42.1443	8.4782E-11	4.97547E-09
<i>S100a7a</i>	3.8675	1.9523	42.1351	8.51797E-11	4.98541E-09
<i>Twist2</i>	1.9819	3.8810	42.0653	8.8276E-11	5.15282E-09
<i>Ctsz</i>	1.3946	6.6684	41.9453	9.38614E-11	5.46423E-09
<i>Ifi207</i>	1.6249	6.0814	41.9140	9.53796E-11	5.52691E-09
<i>Acod1</i>	7.8855	4.9658	41.9126	9.54444E-11	5.52691E-09
<i>Fkbp11</i>	2.4023	2.8327	41.7878	1.01738E-10	5.8758E-09
<i>Rhoj</i>	1.1789	5.6623	41.7743	1.02443E-10	5.90087E-09
<i>Ggt1</i>	7.9795	0.5758	41.7029	1.06249E-10	6.10402E-09
<i>1810055G02Rik</i>	1.1282	4.4842	41.6146	1.11162E-10	6.36949E-09
<i>Klk13</i>	3.6239	4.5909	41.5457	1.15148E-10	6.58063E-09
<i>Slc7a7</i>	2.0970	3.7575	41.4773	1.1925E-10	6.79726E-09
<i>Bdkrb1</i>	3.2478	1.3214	41.3607	1.2658E-10	7.19625E-09
<i>Sprr2d</i>	3.8310	5.1980	41.3315	1.28484E-10	7.28554E-09
<i>Crispld2</i>	1.5756	6.4908	41.3004	1.30541E-10	7.38299E-09
<i>Nedd9</i>	1.7164	4.3665	41.2392	1.34691E-10	7.59806E-09
<i>Gpm6b</i>	1.9657	4.9834	41.1747	1.39215E-10	7.83302E-09
<i>Ppp1r3b</i>	2.6710	3.1401	41.1128	1.43691E-10	8.06407E-09
<i>Pecam1</i>	1.5279	6.6267	41.0984	1.44758E-10	8.10312E-09
<i>Pdia4</i>	1.3383	6.7485	41.0612	1.47538E-10	8.21656E-09
<i>Far1</i>	1.2980	5.7396	40.9494	1.56225E-10	8.67823E-09
<i>Tubb5</i>	1.2830	8.1892	40.8345	1.65683E-10	9.18026E-09
<i>Jdp2</i>	1.4968	3.8596	40.7902	1.6948E-10	9.36446E-09
<i>St3gal4</i>	1.3832	4.8367	40.7858	1.69865E-10	9.36446E-09
<i>Gm13124</i>	3.5299	1.2925	40.7631	1.71849E-10	9.44999E-09
<i>Angptl4</i>	2.1779	5.2842	40.5502	1.91633E-10	1.05114E-08
<i>Nos2</i>	4.0427	2.4560	40.5258	1.94034E-10	1.06164E-08
<i>Gpr35</i>	2.6676	4.1186	40.1535	2.34765E-10	1.27809E-08
<i>Degs2</i>	2.9494	2.8663	40.1401	2.36389E-10	1.28373E-08
<i>Gpr84</i>	4.4222	0.2084	40.0614	2.46107E-10	1.33319E-08
<i>Adamts15</i>	1.6102	6.8840	39.9577	2.59525E-10	1.4024E-08
<i>Rab20</i>	1.8649	3.6612	39.9342	2.62667E-10	1.41587E-08
<i>Tmem2</i>	1.3812	5.2798	39.9120	2.65667E-10	1.42851E-08
<i>Ehd1</i>	1.2045	6.8994	39.7725	2.85336E-10	1.53051E-08
<i>Chst11</i>	2.7083	3.8727	39.6496	3.03871E-10	1.62593E-08
<i>Tmem176b</i>	1.4952	5.8138	39.6337	3.06357E-10	1.63523E-08
<i>Lrrc25</i>	2.6399	3.5109	39.4806	3.31341E-10	1.76427E-08
<i>Col3a1</i>	2.1128	10.7610	39.4631	3.34324E-10	1.77582E-08
<i>Vcam1</i>	1.4439	3.3097	39.3739	3.49941E-10	1.84977E-08
<i>Gfra1</i>	1.9895	4.8884	39.3453	3.55114E-10	1.87258E-08
<i>Ngf</i>	2.2564	2.7719	39.3033	3.62833E-10	1.90868E-08
<i>Akap2</i>	2.0284	6.1987	39.2033	3.81897E-10	2.00413E-08
<i>Me2</i>	1.1946	3.9654	39.1816	3.86164E-10	2.02167E-08
<i>Pdia6</i>	1.5537	7.5983	39.1542	3.9162E-10	2.04532E-08
<i>Lmnbl1</i>	1.6404	5.1993	39.0510	4.12886E-10	2.15125E-08
<i>Itga5</i>	1.9876	6.1314	38.9467	4.35529E-10	2.26382E-08
<i>Vav1</i>	1.7798	3.9815	38.9412	4.36762E-10	2.26484E-08
<i>Cers2</i>	1.4039	6.0386	38.9152	4.42618E-10	2.28976E-08
<i>Ly6g</i>	8.3260	0.8873	38.8283	4.62774E-10	2.38837E-08

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<i>Oas3</i>	2.4233	3.3140	38.8210	4.64502E-10	2.39164E-08
<i>Trem12</i>	4.7259	1.5979	38.7947	4.70807E-10	2.4184E-08
<i>Medag</i>	1.8224	6.1980	38.7454	4.82838E-10	2.46281E-08
<i>Fosl1</i>	1.4398	3.8984	38.7366	4.8503E-10	2.46822E-08
<i>Slc23a4</i>	2.7340	0.4106	38.6921	4.96224E-10	2.51932E-08
<i>Rrbp1</i>	1.3364	7.3216	38.6585	5.04823E-10	2.55703E-08
<i>Cpne2</i>	1.2700	5.0722	38.6500	5.07031E-10	2.56227E-08
<i>Pdgfra</i>	2.0069	7.2031	38.6412	5.09315E-10	2.56787E-08
<i>Bgn</i>	1.2739	7.7812	38.5889	5.23161E-10	2.63159E-08
<i>C130026I21Rik</i>	2.5881	2.1380	38.5710	5.27978E-10	2.64972E-08
<i>Lst1</i>	2.8436	2.5054	38.5660	5.29331E-10	2.65042E-08
<i>Slc7a8</i>	2.1930	4.8313	38.1024	6.71269E-10	3.33815E-08
<i>Itga9</i>	1.7549	4.3849	38.0908	6.75287E-10	3.34572E-08
<i>Artn</i>	3.2196	1.1068	38.0891	6.75857E-10	3.34572E-08
<i>Calu</i>	1.2135	8.2101	37.9777	7.1558E-10	3.53435E-08
<i>Casp4</i>	1.4925	4.1071	37.8310	7.7147E-10	3.79323E-08
<i>Gjb6</i>	3.6131	3.2722	37.7499	8.04206E-10	3.94531E-08
<i>Kcne4</i>	2.4478	2.3955	37.6270	8.56491E-10	4.19239E-08
<i>Dgat2l6</i>	2.7430	2.3936	37.6193	8.59893E-10	4.19724E-08
<i>Spi1</i>	1.6787	4.9641	37.6161	8.61326E-10	4.19724E-08
<i>Plac8</i>	1.3780	5.8812	37.5124	9.08351E-10	4.41653E-08
<i>Tnfsf14</i>	4.4763	2.0789	37.4560	9.34971E-10	4.5258E-08
<i>Limk1</i>	1.4770	3.9395	37.4248	9.50049E-10	4.58861E-08
<i>Lgals1</i>	1.4579	8.2547	37.3744	9.74939E-10	4.69843E-08
<i>Il1rl1</i>	2.6697	4.2480	37.2611	1.03327E-09	4.96856E-08
<i>Cldn15</i>	1.5655	2.7822	37.2287	1.05057E-09	5.04068E-08
<i>Maged1</i>	1.4931	6.4258	37.2087	1.06139E-09	5.08139E-08
<i>Spred3</i>	1.5863	2.6708	37.1937	1.06957E-09	5.10934E-08
<i>Fam167b</i>	2.9291	0.5879	37.1841	1.07486E-09	5.12343E-08
<i>Dynap</i>	6.7333	-0.4799	37.0910	1.12744E-09	5.35068E-08
<i>Lilra6</i>	3.3481	2.8632	37.0497	1.15156E-09	5.45328E-08
<i>Kcnn4</i>	2.2752	2.0368	37.0391	1.15782E-09	5.47107E-08
<i>Stat3</i>	1.1278	8.0217	37.0150	1.17226E-09	5.50008E-08
<i>Sprr1a</i>	2.4247	8.3439	37.0139	1.17291E-09	5.50008E-08
<i>Rbpms</i>	1.1219	4.4567	37.0121	1.17399E-09	5.50008E-08
<i>Klra2</i>	5.0613	1.8936	37.0120	1.17404E-09	5.50008E-08
<i>Adm</i>	2.2610	4.5135	36.9617	1.20475E-09	5.61449E-08
<i>Sntb2</i>	1.6244	5.9318	36.9602	1.20567E-09	5.61449E-08
<i>Rac2</i>	2.2729	5.1813	36.9096	1.23734E-09	5.74731E-08
<i>Hk3</i>	2.7916	3.5974	36.8689	1.26342E-09	5.85601E-08
<i>Cd163</i>	2.3103	7.5749	36.7997	1.30909E-09	6.05481E-08
<i>Fxyd5</i>	1.6197	6.2786	36.7017	1.37663E-09	6.35373E-08
<i>Sparc</i>	1.5045	9.5587	36.6609	1.40574E-09	6.4744E-08
<i>Cela1</i>	2.0949	1.5644	36.5251	1.50711E-09	6.92668E-08
<i>Jak3</i>	1.4606	4.3851	36.3461	1.65211E-09	7.56128E-08
<i>Cd93</i>	2.0794	5.1556	36.3128	1.68056E-09	7.6754E-08
<i>Adamts7</i>	2.6459	2.4743	36.2233	1.75958E-09	8.01951E-08
<i>Serpinb6c</i>	2.3760	3.4312	36.2191	1.76335E-09	8.01995E-08
<i>Tyrobp</i>	1.9225	6.1840	36.1554	1.82197E-09	8.26931E-08
<i>Fndc3b</i>	1.7721	6.0212	36.1020	1.87257E-09	8.48132E-08
<i>Gpr132</i>	2.7172	1.7821	36.0830	1.8909E-09	8.54664E-08
<i>Parva</i>	1.2638	6.1192	36.0111	1.96193E-09	8.84936E-08
<i>Ces4a</i>	1.4963	4.8854	35.9564	2.01778E-09	9.08252E-08
<i>Gpr171</i>	2.1765	1.9227	35.9342	2.04093E-09	9.16782E-08
<i>Bin2</i>	2.0589	3.0496	35.8942	2.08331E-09	9.31984E-08
<i>Eng</i>	1.7059	6.4532	35.8634	2.11642E-09	9.4486E-08
<i>Mmp12</i>	3.5756	1.2009	35.7683	2.22235E-09	9.90123E-08
<i>Adam8</i>	1.8797	6.7376	35.7628	2.22863E-09	9.90526E-08
<i>Pcsk9</i>	5.8799	-1.1004	35.7596	2.23232E-09	9.90526E-08

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<i>Hrh2</i>	2.2742	1.2198	35.6489	2.36283E-09	1.04066E-07
<i>Fcgr3</i>	2.3229	6.2922	35.6398	2.3739E-09	1.04275E-07
<i>Cpxm1</i>	2.0731	5.9960	35.6140	2.40548E-09	1.0545E-07
<i>Pdgfrb</i>	1.5735	5.9672	35.5377	2.50168E-09	1.09447E-07
<i>Lce3e</i>	5.8051	1.4615	35.5123	2.53445E-09	1.10659E-07
<i>Trim30d</i>	2.6187	1.5311	35.5062	2.54245E-09	1.10787E-07
<i>Abcc3</i>	1.3890	3.4239	35.4976	2.55366E-09	1.11054E-07
<i>Fabp5</i>	2.4497	7.9195	35.4700	2.59006E-09	1.12413E-07
<i>Camkk2</i>	1.4017	4.9743	35.4622	2.60053E-09	1.12643E-07
<i>Sh2d3c</i>	1.9472	4.1215	35.4438	2.62519E-09	1.13486E-07
<i>Slc10a6</i>	1.4462	4.6877	35.3659	2.7323E-09	1.17883E-07
<i>Cyp1b1</i>	1.8412	5.7290	35.2115	2.95777E-09	1.27109E-07
<i>Mafb</i>	1.0360	6.7093	35.1993	2.97623E-09	1.27651E-07
<i>Ccl3</i>	6.2314	4.2600	35.1558	3.04353E-09	1.30026E-07
<i>Cald1</i>	1.5369	6.2978	35.1175	3.10394E-09	1.32348E-07
<i>Sbno2</i>	1.2390	7.4787	35.0850	3.15617E-09	1.34313E-07
<i>Nlrp12</i>	7.5116	1.7530	35.0716	3.17801E-09	1.34979E-07
<i>Angpt2</i>	2.2692	3.2706	35.0576	3.20095E-09	1.35689E-07
<i>Siglece</i>	3.1677	2.9259	35.0508	3.21213E-09	1.35899E-07
<i>Creb3l1</i>	1.1816	5.0307	34.9995	3.29795E-09	1.38993E-07
<i>Cpne8</i>	1.2856	4.9111	34.9994	3.298E-09	1.38993E-07
<i>Tlr4</i>	1.9883	4.3173	34.9680	3.35175E-09	1.40987E-07
<i>Snx20</i>	2.0838	2.5674	34.9306	3.41669E-09	1.43442E-07
<i>Abi3bp</i>	2.2459	6.4271	34.9078	3.45689E-09	1.44851E-07
<i>Gla</i>	1.8368	3.6212	34.8868	3.4944E-09	1.45863E-07
<i>Inhbb</i>	2.2202	4.8824	34.8392	3.58093E-09	1.4919E-07
<i>Apobec1</i>	1.5424	4.3517	34.7791	3.69312E-09	1.5357E-07
<i>Adam15</i>	1.0323	6.6440	34.7353	3.77725E-09	1.5677E-07
<i>Nr4a3</i>	2.6918	4.2297	34.7215	3.80401E-09	1.57581E-07
<i>Egfl7</i>	1.3776	4.7922	34.6733	3.89945E-09	1.61229E-07
<i>Creb3l3</i>	3.3298	0.6723	34.6614	3.92333E-09	1.61909E-07
<i>Elk3</i>	1.2455	4.5676	34.6453	3.95587E-09	1.62945E-07
<i>Mndal</i>	1.9835	1.3569	34.6283	3.99065E-09	1.64068E-07
<i>Gusb</i>	1.3003	5.3536	34.6017	4.04549E-09	1.65698E-07
<i>Plin2</i>	1.3885	7.3682	34.3503	4.60326E-09	1.88191E-07
<i>Ppa1</i>	1.2834	6.0384	34.3131	4.69219E-09	1.91468E-07
<i>Prdx4</i>	1.2389	4.2367	34.2980	4.72871E-09	1.92598E-07
<i>Dram1</i>	1.9303	5.7925	34.2351	4.88398E-09	1.98551E-07
<i>Cd209d</i>	1.6564	5.4178	34.2027	4.96609E-09	2.01514E-07
<i>Scarb1</i>	1.3337	5.9722	34.1089	5.21112E-09	2.10674E-07
<i>Cyth4</i>	1.9706	5.0365	34.0453	5.38435E-09	2.16874E-07
<i>Crem</i>	1.5812	3.6653	34.0404	5.39785E-09	2.17017E-07
<i>Atp1a1</i>	1.1970	8.2450	34.0124	5.47606E-09	2.19621E-07
<i>Snx10</i>	1.6141	3.6693	34.0101	5.48274E-09	2.19621E-07
<i>Slc2a3</i>	2.5156	3.6489	33.9950	5.52537E-09	2.20924E-07
<i>Ctss</i>	1.6326	6.7601	33.9797	5.56904E-09	2.22263E-07
<i>S100a4</i>	1.1235	6.8647	33.9169	5.75168E-09	2.28716E-07
<i>Chid1</i>	1.0968	4.7106	33.8494	5.95483E-09	2.36363E-07
<i>Prl2c2</i>	6.3274	-0.7983	33.8188	6.04921E-09	2.39674E-07
<i>Adcy4</i>	1.5419	4.0587	33.7888	6.1433E-09	2.42961E-07
<i>Selenon</i>	1.6069	5.5713	33.7208	6.36161E-09	2.50686E-07
<i>Batf</i>	1.9064	1.6774	33.6858	6.47704E-09	2.54775E-07
<i>Arf2</i>	1.0253	5.1464	33.6707	6.5278E-09	2.5631E-07
<i>BC100530</i>	4.1131	7.6639	33.6309	6.66242E-09	2.61126E-07
<i>Flt4</i>	1.3114	3.4316	33.6016	6.7637E-09	2.64147E-07
<i>Pilra</i>	2.2506	2.2625	33.5871	6.81444E-09	2.65654E-07
<i>4930578G10Rik</i>	5.8291	-1.1338	33.5350	6.99925E-09	2.72372E-07
<i>Odc1</i>	1.8873	7.2536	33.4921	7.15528E-09	2.77948E-07
<i>Hspa5</i>	1.7141	9.3143	33.4825	7.19073E-09	2.78829E-07

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<i>Klk10</i>	2.4929	6.6408	33.4133	7.45124E-09	2.88419E-07
<i>Gm6377</i>	2.2774	0.4185	33.4028	7.49149E-09	2.89463E-07
<i>Arg2</i>	2.4822	3.5364	33.3790	7.58374E-09	2.91994E-07
<i>Slc28a2</i>	1.9784	2.9774	33.3196	7.81905E-09	3.00524E-07
<i>Fam43a</i>	1.0468	5.5077	33.3094	7.86034E-09	3.0158E-07
<i>Qsox1</i>	1.1404	6.8891	33.3026	7.88763E-09	3.02096E-07
<i>Kdelr2</i>	1.0455	5.8563	33.2984	7.90468E-09	3.02219E-07
<i>Nrg1</i>	3.6654	2.4138	33.2837	7.96484E-09	3.03987E-07
<i>Impdh1</i>	1.3880	5.0781	33.1772	8.41322E-09	3.20539E-07
<i>Ccne1</i>	2.0792	2.1403	33.1633	8.47347E-09	3.22272E-07
<i>Mthfd1l</i>	1.4547	3.3450	33.1386	8.58198E-09	3.25832E-07
<i>Gpr39</i>	3.5473	-0.3426	33.1083	8.71674E-09	3.30373E-07
<i>Gm9733</i>	6.6839	-0.5073	33.0801	8.84412E-09	3.34621E-07
<i>Pik3r5</i>	1.6315	4.2016	33.0161	9.13982E-09	3.4521E-07
<i>Cd44</i>	1.1314	7.9566	32.9875	9.27513E-09	3.49716E-07
<i>Fam71f2</i>	3.5490	0.8140	32.9762	9.32956E-09	3.50557E-07
<i>Alg8</i>	1.2619	2.9036	32.9533	9.44002E-09	3.54098E-07
<i>Ncf1</i>	1.2108	5.2702	32.9156	9.62494E-09	3.59798E-07
<i>Ifnar2</i>	1.1271	5.4710	32.8250	1.00839E-08	3.76311E-07
<i>Cd302</i>	1.7715	5.4161	32.8086	1.01692E-08	3.78199E-07
<i>Mmp25</i>	2.7268	2.3834	32.7698	1.03746E-08	3.85184E-07
<i>Cdc42ep2</i>	1.1880	4.1729	32.6686	1.09289E-08	4.05073E-07
<i>Mefv</i>	4.0533	2.7427	32.6397	1.10927E-08	4.10448E-07
<i>Trim9</i>	4.1231	-0.0341	32.5488	1.16239E-08	4.29376E-07
<i>Plod3</i>	1.0866	6.1959	32.5161	1.18207E-08	4.35907E-07
<i>Milr1</i>	2.3220	1.7689	32.4783	1.20533E-08	4.43737E-07
<i>Mydgf</i>	1.0086	5.5729	32.4576	1.21822E-08	4.47728E-07
<i>Fmnl2</i>	1.8767	4.5530	32.4345	1.23279E-08	4.51929E-07
<i>Lcp1</i>	2.0433	7.3103	32.4329	1.2338E-08	4.51929E-07
<i>Serpina3c</i>	2.0654	4.2385	32.4080	1.24971E-08	4.56682E-07
<i>Scamp5</i>	1.2138	3.7392	32.4061	1.25096E-08	4.56682E-07
<i>Olfm1</i>	1.2626	4.8112	32.3855	1.26429E-08	4.6078E-07
<i>Emp3</i>	1.2309	5.4132	32.3616	1.27993E-08	4.65702E-07
<i>Cdh5</i>	1.6085	5.9752	32.3064	1.31679E-08	4.77523E-07
<i>Basp1</i>	2.0632	3.8746	32.2570	1.35073E-08	4.89017E-07
<i>Coch</i>	1.8861	5.2056	32.2495	1.35593E-08	4.90086E-07
<i>Nckap1l</i>	1.8346	5.5485	32.1747	1.40912E-08	5.0847E-07
<i>Snn</i>	1.3491	4.2627	32.1640	1.41693E-08	5.09931E-07
<i>Slc22a3</i>	3.2349	4.2851	32.1627	1.41784E-08	5.09931E-07
<i>Ly6a</i>	1.2861	7.5932	32.1208	1.44878E-08	5.20203E-07
<i>Mpeg1</i>	2.1496	5.6966	32.0996	1.46466E-08	5.25041E-07
<i>Il11</i>	3.3110	0.9275	32.0639	1.49185E-08	5.3391E-07
<i>Bdkrb2</i>	1.4376	2.6009	32.0431	1.50788E-08	5.38763E-07
<i>Hpx</i>	3.4448	1.5653	32.0204	1.5256E-08	5.44204E-07
<i>Irak1bp1</i>	2.1215	2.4135	31.9639	1.57064E-08	5.59356E-07
<i>Pcolce</i>	1.2258	6.6942	31.9387	1.59118E-08	5.65749E-07
<i>Mapk6</i>	1.3005	6.7981	31.8444	1.67027E-08	5.9265E-07
<i>Rab3il1</i>	1.4464	5.1151	31.8421	1.67227E-08	5.9265E-07
<i>Ednra</i>	1.4309	3.9080	31.8147	1.69604E-08	6.00103E-07
<i>Phf11d</i>	1.3892	2.7463	31.7601	1.74436E-08	6.16199E-07
<i>Apbb1ip</i>	1.3117	4.9027	31.7378	1.76456E-08	6.22328E-07
<i>Fermt3</i>	1.1160	5.0284	31.6955	1.8034E-08	6.35E-07
<i>Xylt1</i>	1.5926	3.3723	31.6889	1.80954E-08	6.36138E-07
<i>Slit2</i>	1.4602	3.9133	31.6840	1.81413E-08	6.36724E-07
<i>Mgp</i>	1.2016	4.3497	31.6562	1.84024E-08	6.4426E-07
<i>Txndc5</i>	1.0647	6.8331	31.6549	1.8415E-08	6.4426E-07
<i>Ccr2</i>	2.8835	5.2416	31.6476	1.84843E-08	6.4565E-07
<i>Sdc3</i>	1.2745	5.8714	31.6360	1.85953E-08	6.48488E-07
<i>Sh2b2</i>	1.5360	3.9525	31.6280	1.86714E-08	6.50022E-07

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<i>Marcks1</i>	1.6376	5.5532	31.6252	1.86988E-08	6.50022E-07
<i>Fes</i>	1.4435	4.1404	31.5789	1.91498E-08	6.64641E-07
<i>Col5a3</i>	1.8670	6.3040	31.4938	2.00081E-08	6.93328E-07
<i>Ap2a2</i>	1.1348	7.4653	31.4284	2.0693E-08	7.15927E-07
<i>Col6a3</i>	2.1829	7.9753	31.3887	2.11203E-08	7.28401E-07
<i>Syk</i>	1.6183	5.9041	31.3791	2.1225E-08	7.30855E-07
<i>Ltf</i>	6.6093	2.2789	31.3564	2.14745E-08	7.38282E-07
<i>Gm9774</i>	2.4235	0.9106	31.3452	2.15993E-08	7.41407E-07
<i>Tfpi</i>	1.7196	3.9844	31.2953	2.21615E-08	7.59509E-07
<i>Cd200r1</i>	2.7664	2.6081	31.2823	2.23099E-08	7.63397E-07
<i>Apaf1</i>	1.2920	3.9719	31.2734	2.24133E-08	7.65736E-07
<i>Cdk14</i>	4.1216	1.3926	31.2307	2.29113E-08	7.81525E-07
<i>Sp140</i>	1.6861	3.0875	31.1906	2.33893E-08	7.95344E-07
<i>Klhl2</i>	1.1222	4.7781	31.1442	2.39549E-08	8.12049E-07
<i>C3ar1</i>	1.9963	4.4951	31.1136	2.43361E-08	8.23691E-07
<i>Ifit1bl1</i>	4.1454	1.0539	31.1085	2.43996E-08	8.24564E-07
<i>Slc38a1</i>	1.6524	3.5221	30.9989	2.58179E-08	8.69799E-07
<i>Cad</i>	1.0844	5.4969	30.9542	2.64196E-08	8.88701E-07
<i>Podxl</i>	1.4533	5.3397	30.9338	2.66984E-08	8.96696E-07
<i>Cxcl14</i>	1.2626	6.9808	30.8515	2.78543E-08	9.32648E-07
<i>Ralb</i>	1.0251	5.4242	30.8177	2.83447E-08	9.45545E-07
<i>Gsdmc</i>	2.7628	5.2818	30.8131	2.84119E-08	9.45545E-07
<i>Fgl2</i>	1.5459	6.6413	30.8130	2.84127E-08	9.45545E-07
<i>Ehd3</i>	1.2937	3.6458	30.7542	2.92875E-08	9.73173E-07
<i>P2ry6</i>	1.7171	4.2222	30.7017	3.00899E-08	9.98317E-07
<i>Calr</i>	1.2470	8.9685	30.6906	3.02634E-08	1.00255E-06
<i>Orai2</i>	1.4256	3.5699	30.6372	3.11068E-08	1.02737E-06
<i>Nrp2</i>	1.5077	5.4340	30.5763	3.20991E-08	1.05695E-06
<i>Smyd5</i>	1.1297	4.2881	30.5565	3.24288E-08	1.0662E-06
<i>Glpr1</i>	2.1530	2.5655	30.4822	3.36942E-08	1.10281E-06
<i>Cass4</i>	1.7256	2.1906	30.4704	3.39003E-08	1.1079E-06
<i>Ret</i>	1.6846	3.3413	30.4457	3.43343E-08	1.12041E-06
<i>Pik3ap1</i>	1.9119	3.0608	30.4116	3.49434E-08	1.13858E-06
<i>Myo1g</i>	1.3754	4.2496	30.3693	3.57143E-08	1.16024E-06
<i>Mrc1</i>	2.6900	7.8940	30.3534	3.60074E-08	1.16777E-06
<i>Dok2</i>	1.5890	3.9420	30.3305	3.64354E-08	1.1784E-06
<i>Slc12a7</i>	1.0175	5.1701	30.2798	3.73996E-08	1.2078E-06
<i>Col12a1</i>	2.0496	6.3597	30.2618	3.77485E-08	1.21726E-06
<i>Themis2</i>	2.2202	4.5348	30.1295	4.04145E-08	1.29939E-06
<i>Capza1</i>	1.1583	6.0191	30.0353	4.24255E-08	1.36204E-06
<i>Serp1</i>	1.1995	7.0306	29.9947	4.33224E-08	1.3888E-06
<i>Jaml</i>	1.9529	3.4317	29.9354	4.46672E-08	1.42772E-06
<i>Clic4</i>	1.5817	8.0437	29.9043	4.53911E-08	1.44873E-06
<i>Stt3a</i>	1.1011	6.6514	29.8220	4.73583E-08	1.50492E-06
<i>Col5a2</i>	1.6718	7.5667	29.8059	4.77537E-08	1.51528E-06
<i>Cd300lb</i>	2.3161	3.6923	29.7312	4.96288E-08	1.57249E-06
<i>Bmx</i>	2.6111	1.5898	29.7075	5.02394E-08	1.58953E-06
<i>Sned1</i>	1.9066	5.6571	29.6247	5.24333E-08	1.65654E-06
<i>Cd300e</i>	4.6553	0.6475	29.6149	5.26985E-08	1.66018E-06
<i>Pira2</i>	3.5343	2.9503	29.5926	5.33081E-08	1.6769E-06
<i>Gm14548</i>	4.0429	3.7952	29.5841	5.35432E-08	1.68187E-06
<i>Wisp1</i>	2.1293	1.5507	29.5803	5.36479E-08	1.68274E-06
<i>Fcrlb</i>	3.9322	0.0663	29.5613	5.41753E-08	1.69685E-06
<i>Ostc</i>	1.1837	5.7481	29.5472	5.45705E-08	1.70446E-06
<i>Acvrl1</i>	1.0767	5.4382	29.5471	5.45746E-08	1.70446E-06
<i>Ms4a14</i>	2.4493	2.4200	29.3881	5.9241E-08	1.84492E-06
<i>Arhgap30</i>	1.2844	5.0445	29.3017	6.19405E-08	1.9235E-06
<i>Gclm</i>	1.1093	4.6552	29.2734	6.28525E-08	1.94905E-06
<i>Fam49b</i>	1.2999	5.2335	29.1920	6.55495E-08	2.02406E-06

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<i>Spidr</i>	1.1261	3.6010	29.1661	6.64311E-08	2.04839E-06
<i>Loxl4</i>	2.0254	3.4073	29.0853	6.92594E-08	2.13259E-06
<i>Tuba1b</i>	1.0171	8.6582	29.0782	6.95156E-08	2.13445E-06
<i>Adgrg3</i>	2.5124	2.6641	29.0746	6.96454E-08	2.13543E-06
<i>Sla</i>	1.8237	3.7535	29.0707	6.97838E-08	2.13668E-06
<i>Lasp1</i>	1.0165	6.5566	29.0626	7.00762E-08	2.14262E-06
<i>Col6a4</i>	4.4610	-0.0761	29.0203	7.16238E-08	2.18688E-06
<i>Icam2</i>	1.4679	2.7864	29.0108	7.19777E-08	2.19461E-06
<i>Sptssb</i>	5.7445	-0.0221	28.9056	7.59937E-08	2.31061E-06
<i>Hyou1</i>	1.2899	7.1351	28.8116	7.97706E-08	2.41871E-06
<i>Trim30a</i>	2.0596	4.4419	28.7554	8.21202E-08	2.48307E-06
<i>Nnmt</i>	2.3747	3.6004	28.7554	8.21207E-08	2.48307E-06
<i>Ifi209</i>	2.6792	1.1990	28.7436	8.26243E-08	2.4914E-06
<i>Esyt1</i>	1.5345	6.2736	28.6250	8.7842E-08	2.63417E-06
<i>Has2</i>	2.1491	2.1869	28.5829	8.97729E-08	2.68838E-06
<i>Gmcs</i>	1.3950	2.9269	28.5418	9.16983E-08	2.73479E-06
<i>Actn1</i>	1.0997	6.9810	28.4379	9.67511E-08	2.88155E-06
<i>Rhoh</i>	1.7315	2.2134	28.4110	9.81044E-08	2.91787E-06
<i>Pqlc2</i>	1.2274	3.2327	28.3362	1.01973E-07	3.02506E-06
<i>Elfn1</i>	4.0413	-0.1057	28.3333	1.02124E-07	3.02506E-06
<i>C130050O18Rik</i>	3.2792	0.0777	28.3333	1.02124E-07	3.02506E-06
<i>Pla2g7</i>	2.1631	5.0558	28.3207	1.0279E-07	3.04065E-06
<i>Eme1</i>	1.7000	2.2660	28.2832	1.048E-07	3.09175E-06
<i>Rasgrp2</i>	1.6652	2.2529	28.2690	1.05575E-07	3.1104E-06
<i>Cxcl2</i>	7.7793	6.8179	28.1962	1.09617E-07	3.22081E-06
<i>Awat1</i>	1.5167	4.3518	28.1936	1.09766E-07	3.22084E-06
<i>B4gal2</i>	1.4747	3.2400	28.1757	1.10786E-07	3.24641E-06
<i>Sfxn1</i>	1.1055	5.2802	28.1298	1.13447E-07	3.31548E-06
<i>Ms4a7</i>	2.2599	3.7224	28.1059	1.14854E-07	3.34764E-06
<i>Emcn</i>	1.3130	3.7924	28.0813	1.16322E-07	3.38589E-06
<i>Tpcn2</i>	2.6669	2.6733	28.0733	1.16808E-07	3.39553E-06
<i>Eps8</i>	1.8627	5.1649	28.0682	1.17113E-07	3.39986E-06
<i>Slc5a3</i>	1.5652	3.9968	28.0451	1.18524E-07	3.42726E-06
<i>Cct3</i>	1.0761	7.1402	28.0410	1.18773E-07	3.42981E-06
<i>Txn1</i>	1.1022	7.0290	27.9837	1.22343E-07	3.52824E-06
<i>P2rx1</i>	2.5959	1.1772	27.9646	1.23556E-07	3.5585E-06
<i>Flt3</i>	1.7076	1.9238	27.8972	1.27938E-07	3.67502E-06
<i>Gpr176</i>	2.3948	1.5863	27.8726	1.29574E-07	3.71711E-06
<i>Cfl1</i>	1.2093	8.6017	27.8324	1.32291E-07	3.79009E-06
<i>Thbd</i>	1.7209	6.2706	27.7316	1.39368E-07	3.97718E-06
<i>En1</i>	1.9253	2.0293	27.7046	1.41327E-07	4.02782E-06
<i>Stat4</i>	2.6711	0.9541	27.6603	1.44602E-07	4.11578E-06
<i>Tram1</i>	1.1471	6.3550	27.5568	1.52551E-07	4.32512E-06
<i>Ncf4</i>	1.7610	4.3006	27.5095	1.56326E-07	4.42641E-06
<i>Rbp1</i>	1.8872	4.3458	27.5042	1.56755E-07	4.4328E-06
<i>St3gal1</i>	1.4986	5.8744	27.4939	1.57588E-07	4.45057E-06
<i>Ier5l</i>	1.4211	3.3545	27.4735	1.59259E-07	4.49197E-06
<i>Ccnj1</i>	4.5472	-0.3837	27.4272	1.63124E-07	4.58911E-06
<i>Fmn1</i>	1.7623	5.5515	27.4141	1.64232E-07	4.61435E-06
<i>Slc16a2</i>	1.0057	5.0536	27.4056	1.6495E-07	4.62856E-06
<i>Fads3</i>	1.6643	5.9490	27.3580	1.69067E-07	4.738E-06
<i>Itgb3</i>	1.4858	4.4600	27.3446	1.70237E-07	4.76469E-06
<i>Nt5dc2</i>	1.5792	4.6304	27.3005	1.7417E-07	4.86229E-06
<i>Glr</i>	1.4358	7.1941	27.2869	1.75397E-07	4.89029E-06
<i>G0s2</i>	2.7946	5.1597	27.2824	1.75801E-07	4.89528E-06
<i>Tnf</i>	1.7128	3.3150	27.2297	1.80658E-07	5.02414E-06
<i>Cd209e</i>	2.2988	3.1777	27.2225	1.81333E-07	5.03649E-06
<i>Prep</i>	1.7661	7.2330	27.2076	1.82737E-07	5.06903E-06
<i>Ada</i>	1.4180	3.1019	27.1920	1.84218E-07	5.10364E-06

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<i>Ccno</i>	3.4384	0.8005	27.1750	1.85842E-07	5.1421E-06
<i>Serpina3k</i>	4.0802	0.1868	27.1639	1.8692E-07	5.16539E-06
<i>Cytip</i>	1.7556	4.1037	27.1051	1.9269E-07	5.31749E-06
<i>Grem2</i>	2.4059	3.8032	27.1029	1.92912E-07	5.31749E-06
<i>Oaf</i>	1.2798	4.1883	27.0911	1.94092E-07	5.33453E-06
<i>Mybpc3</i>	3.5558	-0.7463	27.0894	1.94263E-07	5.33453E-06
<i>Tnn</i>	1.9834	1.6237	27.0284	2.00486E-07	5.4985E-06
<i>Spon1</i>	2.0340	4.2159	26.9984	2.03621E-07	5.57049E-06
<i>Grem1</i>	1.5045	4.8321	26.9960	2.03881E-07	5.57063E-06
<i>Cd33</i>	3.3081	5.1581	26.9782	2.05762E-07	5.615E-06
<i>Ddost</i>	1.0051	7.1296	26.9614	2.0756E-07	5.65698E-06
<i>Wfdc18</i>	5.0703	2.3539	26.9089	2.13278E-07	5.79835E-06
<i>Igfl3</i>	3.1933	0.8574	26.8568	2.191E-07	5.94922E-06
<i>Ptprc</i>	1.7051	5.8157	26.8115	2.24298E-07	6.07525E-06
<i>Rnasel</i>	1.6036	4.9459	26.7397	2.32793E-07	6.28196E-06
<i>Bhlhe22</i>	2.8911	0.4334	26.7084	2.36591E-07	6.37656E-06
<i>Laptm5</i>	1.1533	7.0085	26.6944	2.38314E-07	6.41508E-06
<i>Mcam</i>	1.6552	5.8020	26.6644	2.42034E-07	6.5072E-06
<i>Rnf213</i>	1.0338	5.3862	26.6588	2.42747E-07	6.51835E-06
<i>B3gnt3</i>	1.6071	2.0257	26.6365	2.45558E-07	6.58572E-06
<i>Ackr1</i>	1.4443	4.6790	26.6114	2.48777E-07	6.66387E-06
<i>9830107B12Rik</i>	3.0016	1.7454	26.5863	2.52022E-07	6.74252E-06
<i>Sec61b</i>	1.1202	5.5111	26.5575	2.55805E-07	6.827E-06
<i>Tmsb10</i>	1.0056	6.8511	26.5504	2.5675E-07	6.84385E-06
<i>P3h1</i>	1.3206	4.5460	26.5174	2.61176E-07	6.95333E-06
<i>Vim</i>	1.2053	9.6477	26.5096	2.62227E-07	6.96676E-06
<i>Olfml3</i>	1.5416	3.2134	26.4942	2.6433E-07	7.0026E-06
<i>Dpy19l1</i>	1.0559	4.1868	26.4737	2.67154E-07	7.05228E-06
<i>Cd209a</i>	1.9100	4.4501	26.4514	2.70255E-07	7.12552E-06
<i>Tnfrsf9</i>	2.1070	1.2169	26.3960	2.78112E-07	7.3062E-06
<i>Klkb1</i>	5.6822	-1.2231	26.3857	2.79604E-07	7.33658E-06
<i>Mcub</i>	1.1085	3.3222	26.3093	2.90884E-07	7.60513E-06
<i>Rsad2</i>	3.4106	3.3988	26.2943	2.93156E-07	7.64623E-06
<i>Stfa3</i>	2.9639	5.2815	26.2686	2.97074E-07	7.7364E-06
<i>Dse</i>	1.3957	5.0199	26.2670	2.97322E-07	7.7364E-06
<i>Gm4070</i>	1.6247	4.5689	26.2358	3.0217E-07	7.85319E-06
<i>Ckap4</i>	1.1673	6.4431	26.2283	3.0335E-07	7.87449E-06
<i>Mgam</i>	4.2413	1.2790	26.1855	3.10135E-07	8.00303E-06
<i>Pde1a</i>	1.9716	3.0753	26.1738	3.12021E-07	8.04219E-06
<i>C5ar2</i>	3.2560	0.7764	26.1362	3.18169E-07	8.18132E-06
<i>Sirpb1a</i>	6.1409	1.4005	26.0254	3.36962E-07	8.6442E-06
<i>Klf7</i>	1.1943	4.7813	25.9967	3.41996E-07	8.75278E-06
<i>Surf4</i>	1.0389	7.8869	25.9888	3.43411E-07	8.7787E-06
<i>Itga1</i>	1.3831	4.5849	25.8321	3.72436E-07	9.49843E-06
<i>Fhl2</i>	1.8918	2.6876	25.7878	3.81092E-07	9.70784E-06
<i>Hgsnat</i>	1.2154	5.0723	25.7502	3.88578E-07	9.8755E-06
<i>Meox1</i>	1.7025	1.6172	25.7355	3.91549E-07	9.93942E-06
<i>Slc16a12</i>	2.1774	2.0244	25.6644	4.06263E-07	1.0289E-05
<i>Bcl6b</i>	1.4459	2.0341	25.6452	4.10312E-07	1.03795E-05
<i>Capn2</i>	1.2003	7.5491	25.5876	4.22739E-07	1.06815E-05
<i>Myd88</i>	1.1291	5.9394	25.5646	4.27811E-07	1.07972E-05
<i>Tubb2a</i>	1.0444	6.9188	25.5570	4.29513E-07	1.08276E-05
<i>Gcnt1</i>	1.4979	2.8355	25.5508	4.30886E-07	1.08497E-05
<i>Ampd3</i>	1.1083	6.0724	25.5225	4.37245E-07	1.09845E-05
<i>Slc26a4</i>	6.1749	-0.8952	25.5203	4.37751E-07	1.09845E-05
<i>Batf3</i>	2.1018	0.1032	25.4765	4.478E-07	1.12109E-05
<i>Slfn3</i>	2.6169	0.3179	25.4112	4.63214E-07	1.15571E-05
<i>Fst</i>	1.5646	5.1015	25.3414	4.80281E-07	1.19419E-05
<i>Sycp2</i>	5.0564	-0.0815	25.2933	4.92418E-07	1.2202E-05

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<i>Erich2</i>	4.0226	-0.7711	25.2785	4.96207E-07	1.2282E-05
<i>Gfap</i>	3.0263	0.3650	25.2492	5.03816E-07	1.2428E-05
<i>Ms4a4b</i>	4.0022	-0.0201	25.2418	5.05741E-07	1.24614E-05
<i>Tnfaip2</i>	1.3423	6.0308	25.2009	5.16591E-07	1.27144E-05
<i>Evi2b</i>	2.0781	3.6868	25.1517	5.29932E-07	1.29988E-05
<i>Jph3</i>	4.0274	-0.3956	25.1484	5.30831E-07	1.30062E-05
<i>Aqp3</i>	1.9480	7.6846	25.0744	5.51596E-07	1.34546E-05
<i>Itga7</i>	1.6148	6.6040	24.9600	5.85307E-07	1.41818E-05
<i>Stfa2</i>	3.5939	3.2921	24.9574	5.86107E-07	1.41855E-05
<i>Gmfg</i>	1.8845	3.8139	24.9234	5.96538E-07	1.43901E-05
<i>Gpr182</i>	1.2985	2.6128	24.9027	6.02984E-07	1.45135E-05
<i>Oas1a</i>	1.4300	4.0198	24.8905	6.06817E-07	1.45897E-05
<i>Aldh1l1</i>	1.7851	4.2654	24.8454	6.21171E-07	1.4902E-05
<i>Plekho2</i>	1.3596	5.5322	24.7845	6.41106E-07	1.53465E-05
<i>Ifi44</i>	2.4524	2.7942	24.7738	6.44681E-07	1.53983E-05
<i>Lrp1</i>	1.6097	9.2103	24.7601	6.49269E-07	1.54909E-05
<i>Tlr6</i>	1.8982	3.1294	24.7546	6.51116E-07	1.5518E-05
<i>S1pr1</i>	1.4987	5.1435	24.6766	6.78016E-07	1.60714E-05
<i>Sec61a1</i>	1.0078	7.3044	24.6684	6.80914E-07	1.61226E-05
<i>Ankk1</i>	4.5406	-0.4256	24.6446	6.89371E-07	1.63052E-05
<i>Smox</i>	1.2089	5.8212	24.6280	6.95343E-07	1.64286E-05
<i>Mmrn2</i>	1.3376	4.3720	24.6096	7.02022E-07	1.65506E-05
<i>H6pd</i>	1.7582	6.7240	24.5880	7.09933E-07	1.6701E-05
<i>Fut4</i>	1.7074	0.6917	24.5635	7.18993E-07	1.68778E-05
<i>Hsp90aa1</i>	1.0640	7.7471	24.5196	7.3556E-07	1.72203E-05
<i>Sema7a</i>	1.1650	5.0209	24.4583	7.59338E-07	1.7654E-05
<i>Eln</i>	1.2090	5.6092	24.4305	7.70409E-07	1.78827E-05
<i>Epas1</i>	1.4215	7.6560	24.2857	8.30513E-07	1.91659E-05
<i>Lgals3bp</i>	1.4434	6.5622	24.2817	8.32248E-07	1.91857E-05
<i>A630001G21Rik</i>	2.2645	0.8264	24.2719	8.36493E-07	1.92429E-05
<i>Ripor2</i>	2.1644	3.4442	24.2299	8.54969E-07	1.96265E-05
<i>Galns</i>	1.4918	3.2817	24.2178	8.60336E-07	1.97083E-05
<i>Pdcd1</i>	5.4441	-1.3625	24.1997	8.68475E-07	1.98739E-05
<i>Ddx58</i>	1.4402	3.6414	24.1866	8.74381E-07	1.99881E-05
<i>Ehd4</i>	1.0081	6.9434	24.1755	8.79452E-07	2.0083E-05
<i>Ror1</i>	1.6469	2.6869	24.1020	9.13645E-07	2.07985E-05
<i>Ugt1a7c</i>	1.8822	3.7313	24.0998	9.147E-07	2.08008E-05
<i>Heatr1</i>	1.0743	4.4412	24.0708	9.28557E-07	2.1094E-05
<i>Myadm</i>	1.1033	6.8357	24.0616	9.33046E-07	2.11519E-05
<i>Defb4</i>	5.9509	-1.0630	24.0541	9.36681E-07	2.12123E-05
<i>Sh3tc1</i>	1.8630	3.1807	24.0402	9.43459E-07	2.13437E-05
<i>Tmem106a</i>	1.0748	4.8597	23.9754	9.75723E-07	2.20507E-05
<i>Xdh</i>	1.1963	7.7563	23.9663	9.80366E-07	2.21328E-05
<i>Iigp1</i>	1.2030	4.0230	23.9555	9.85902E-07	2.22347E-05
<i>Loxl3</i>	1.0675	4.1827	23.9404	9.9362E-07	2.23857E-05
<i>Lrrc4</i>	1.9590	1.2653	23.8932	1.01831E-06	2.28476E-05
<i>C1qtnf5</i>	1.6687	2.8472	23.8864	1.0219E-06	2.29047E-05
<i>Eva1b</i>	1.1348	3.5795	23.8362	1.04891E-06	2.34859E-05
<i>Erg</i>	1.2157	3.4444	23.7703	1.08546E-06	2.42794E-05
<i>Nfkbie</i>	1.4096	3.6382	23.7648	1.08855E-06	2.43235E-05
<i>Nfam1</i>	1.7854	4.2498	23.6482	1.15655E-06	2.57756E-05
<i>Ccdc88b</i>	1.4400	3.5298	23.6473	1.15707E-06	2.57756E-05
<i>Lix1l</i>	1.0875	4.9965	23.6238	1.17128E-06	2.60124E-05
<i>Pla2g4e</i>	1.7798	5.4001	23.6098	1.17988E-06	2.61767E-05
<i>Tfec</i>	4.3448	2.1060	23.5961	1.18831E-06	2.63371E-05
<i>Rnf122</i>	1.3036	3.9933	23.5865	1.19421E-06	2.64143E-05
<i>Gpr153</i>	1.1663	4.7685	23.5618	1.20963E-06	2.67282E-05
<i>Ier3</i>	1.4976	6.6914	23.5449	1.22032E-06	2.69371E-05
<i>Mmp1b</i>	6.0871	-0.9679	23.5320	1.22854E-06	2.70913E-05

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<i>Olah</i>	3.6121	-0.4469	23.4781	1.26347E-06	2.78333E-05
<i>Serpinb11</i>	2.5937	2.3912	23.4511	1.28129E-06	2.81691E-05
<i>Lif</i>	1.8491	1.7373	23.4420	1.28739E-06	2.82746E-05
<i>Tmem171</i>	2.6771	0.4426	23.4028	1.31387E-06	2.88272E-05
<i>Has3</i>	2.1336	5.4006	23.3743	1.33347E-06	2.92279E-05
<i>Stac2</i>	1.2173	2.5148	23.3462	1.35312E-06	2.96289E-05
<i>Il10ra</i>	1.3982	4.2907	23.2406	1.4295E-06	3.12108E-05
<i>Crocc2</i>	1.9922	0.6830	23.1849	1.47152E-06	3.20605E-05
<i>Lrrc8c</i>	1.2407	4.0670	23.1710	1.48214E-06	3.22599E-05
<i>Oas2</i>	1.1164	4.2458	23.1651	1.48672E-06	3.2295E-05
<i>Enc1</i>	1.1703	4.5874	23.1303	1.51385E-06	3.28518E-05
<i>Sema3g</i>	1.0358	4.4999	23.1270	1.51648E-06	3.28762E-05
<i>P2rx4</i>	1.0519	5.2290	23.1213	1.52093E-06	3.29398E-05
<i>Col13a1</i>	1.7096	1.0028	23.0936	1.54306E-06	3.33172E-05
<i>Fyb</i>	1.5750	3.7262	23.0826	1.55187E-06	3.34441E-05
<i>Igsf6</i>	2.1421	3.5562	23.0196	1.60355E-06	3.44558E-05
<i>Shf</i>	1.0885	3.2103	23.0096	1.61193E-06	3.46018E-05
<i>Clec4a3</i>	1.9064	3.6376	23.0016	1.61865E-06	3.47118E-05
<i>Arpc3</i>	1.0420	7.3118	22.9438	1.66807E-06	3.56667E-05
<i>Ceacam10</i>	6.3833	-0.7259	22.8901	1.71532E-06	3.66051E-05
<i>Rnf149</i>	1.2113	5.3320	22.8632	1.73951E-06	3.70129E-05
<i>Runx2</i>	2.0153	2.3523	22.7665	1.82923E-06	3.86991E-05
<i>Cdk17</i>	1.1048	3.8511	22.7201	1.874E-06	3.94896E-05
<i>Ccl5</i>	2.3797	0.9258	22.7075	1.88627E-06	3.96716E-05
<i>Adgre5</i>	1.2467	6.1503	22.6591	1.93439E-06	4.05419E-05
<i>Itgal</i>	2.0924	3.9732	22.6110	1.9835E-06	4.15165E-05
<i>Plcb1</i>	1.8602	2.7700	22.6060	1.98864E-06	4.15571E-05
<i>Grrp1</i>	1.6735	2.5519	22.6054	1.98924E-06	4.15571E-05
<i>Cd300ld5</i>	1.9338	3.1444	22.5311	2.06765E-06	4.29426E-05
<i>Selplg</i>	1.9604	5.1766	22.5296	2.0693E-06	4.29426E-05
<i>Tuba1c</i>	1.0808	7.4125	22.5296	2.06934E-06	4.29426E-05
<i>Pnp</i>	1.0517	5.7624	22.5152	2.08484E-06	4.32233E-05
<i>Ceacam1</i>	1.7157	3.8317	22.4902	2.11218E-06	4.3707E-05
<i>Hsp90b1</i>	1.0643	8.8375	22.4611	2.14439E-06	4.42801E-05
<i>Gsdmd</i>	1.1280	4.2142	22.4597	2.14596E-06	4.42801E-05
<i>Slc7a5</i>	1.3196	5.3216	22.4526	2.15395E-06	4.44013E-05
<i>Timm8a1</i>	1.2731	4.0315	22.4509	2.1559E-06	4.44013E-05
<i>Gml</i>	4.4264	-1.0161	22.3860	2.22989E-06	4.58388E-05
<i>Ctsk</i>	1.2800	6.4878	22.3381	2.28625E-06	4.69089E-05
<i>Tacr1</i>	1.7720	2.1948	22.2998	2.33231E-06	4.7809E-05
<i>Pdia3</i>	1.0456	8.6195	22.2933	2.34017E-06	4.79252E-05
<i>Sema3a</i>	2.0457	2.6245	22.2437	2.40146E-06	4.91342E-05
<i>Arhgef2</i>	1.0224	5.3527	22.1610	2.50715E-06	5.11458E-05
<i>Slc6a17</i>	1.7612	1.6940	22.1448	2.52835E-06	5.14891E-05
<i>Plpp5</i>	1.1347	2.9868	22.1392	2.53573E-06	5.15914E-05
<i>Rapgef3</i>	1.0091	3.6193	22.1373	2.53834E-06	5.15964E-05
<i>Tnfrsf23</i>	2.4653	2.9755	22.1330	2.54395E-06	5.16622E-05
<i>Mthfd2</i>	1.7294	3.6655	22.1184	2.56338E-06	5.20086E-05
<i>AA467197</i>	3.2825	0.5859	22.1082	2.57704E-06	5.22371E-05
<i>Ass1</i>	1.3469	4.2865	22.0831	2.61097E-06	5.28267E-05
<i>Pitpnm1</i>	1.1418	4.1601	22.0171	2.70237E-06	5.43975E-05
<i>Ap3s1</i>	1.0466	4.7259	22.0162	2.70356E-06	5.43975E-05
<i>Gm20390</i>	1.0563	6.6808	21.9977	2.72977E-06	5.48239E-05
<i>Fmr1</i>	1.2579	5.3801	21.9692	2.77065E-06	5.55938E-05
<i>She</i>	1.5481	3.1743	21.9480	2.80136E-06	5.60041E-05
<i>Mup3</i>	2.5959	-0.0059	21.8437	2.95788E-06	5.90252E-05
<i>Ankrd66</i>	5.9372	-1.0417	21.8362	2.96939E-06	5.92006E-05
<i>201003K11Rik</i>	2.3716	0.1346	21.7950	3.03396E-06	6.03228E-05
<i>Togaram2</i>	1.2726	3.4672	21.7896	3.04251E-06	6.04377E-05

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<i>Inpp5d</i>	1.1027	5.3013	21.7821	3.05439E-06	6.06185E-05
<i>Lpxn</i>	2.1956	2.7206	21.7773	3.06198E-06	6.07141E-05
<i>Reg3g</i>	5.5537	-1.3018	21.7318	3.13556E-06	6.17802E-05
<i>Aldh1l2</i>	1.6925	2.0730	21.6591	3.25661E-06	6.39919E-05
<i>Csf2ra</i>	1.3668	5.0529	21.6461	3.2788E-06	6.43121E-05
<i>Piwil2</i>	1.9105	2.3554	21.6281	3.30972E-06	6.47442E-05
<i>Naip2</i>	1.6339	2.4916	21.6077	3.34502E-06	6.5376E-05
<i>Plekhs1</i>	2.8897	-0.3241	21.5726	3.4068E-06	6.64646E-05
<i>Trim30c</i>	2.4287	-0.0002	21.5262	3.49035E-06	6.7973E-05
<i>Pycr1</i>	1.3259	1.9342	21.4956	3.5464E-06	6.9003E-05
<i>F5</i>	2.4412	1.8050	21.4734	3.58778E-06	6.97461E-05
<i>Ambp</i>	4.7682	-0.7774	21.4619	3.60931E-06	7.01021E-05
<i>Pdss1</i>	1.2209	3.9075	21.4501	3.63158E-06	7.04094E-05
<i>Sat1</i>	1.1295	6.6742	21.2946	3.93849E-06	7.54934E-05
<i>Sema6d</i>	1.3003	4.6232	21.2944	3.93875E-06	7.54934E-05
<i>Tac1</i>	5.2269	-1.4868	21.2531	4.02462E-06	7.69365E-05
<i>S1pr3</i>	1.4494	3.7183	21.2458	4.04001E-06	7.71631E-05
<i>Il21r</i>	2.0489	0.8622	21.2298	4.07372E-06	7.76711E-05
<i>Apbb2</i>	1.3640	3.6132	21.2151	4.10527E-06	7.82042E-05
<i>Casp12</i>	1.2786	3.6140	21.1739	4.19448E-06	7.96258E-05
<i>Dusp2</i>	1.6737	1.2487	21.1532	4.23999E-06	8.02802E-05
<i>Wdfy4</i>	1.6320	3.4410	21.1367	4.27648E-06	8.08311E-05
<i>Ifitm2</i>	1.0969	8.3536	21.1338	4.28308E-06	8.08493E-05
<i>Trmt61a</i>	1.2699	3.6134	21.1313	4.28856E-06	8.08493E-05
<i>Sh3bgrl</i>	1.6481	5.7114	21.0544	4.46417E-06	8.38704E-05
<i>Pirb</i>	2.1994	2.7024	21.0526	4.46848E-06	8.38791E-05
<i>Adam9</i>	1.0265	6.4641	21.0432	4.49047E-06	8.41472E-05
<i>Mup18</i>	2.9766	-0.5022	21.0155	4.55582E-06	8.52986E-05
<i>Fam167a</i>	1.1546	5.0455	20.9929	4.60985E-06	8.62362E-05
<i>Eno1b</i>	1.0352	7.6481	20.9468	4.72227E-06	8.81881E-05
<i>Relt</i>	2.0181	3.1371	20.8422	4.98725E-06	9.274E-05
<i>Tie1</i>	1.1057	4.7200	20.8257	5.03029E-06	9.33018E-05
<i>Disp2</i>	2.8848	0.0352	20.8052	5.08437E-06	9.4145E-05
<i>Kcnk13</i>	1.5585	1.6753	20.8023	5.09205E-06	9.42072E-05
<i>Nfasc</i>	1.6385	3.0401	20.7585	5.21006E-06	9.59028E-05
<i>Cpn1</i>	3.1279	-0.2632	20.7375	5.26751E-06	9.68788E-05
<i>Fam109b</i>	1.3249	2.0047	20.7205	5.31428E-06	9.76566E-05
<i>Socs1</i>	1.3791	2.2521	20.6961	5.38263E-06	9.84981E-05
<i>Casp3</i>	1.1232	4.3843	20.6207	5.5987E-06	0.000102366
<i>Fkbp7</i>	1.0438	3.1919	20.5937	5.67816E-06	0.000103645
<i>Garem2</i>	4.1304	-0.6984	20.5706	5.7472E-06	0.00010472
<i>Ctbp2</i>	1.0130	4.3845	20.5692	5.7514E-06	0.00010472
<i>Arrb2</i>	1.0860	5.1642	20.5566	5.7894E-06	0.000105324
<i>C1qb</i>	1.0510	6.4765	20.5191	5.90382E-06	0.000107226
<i>Plet1</i>	1.3220	6.3234	20.5065	5.94287E-06	0.000107756
<i>Mybl2</i>	1.2843	2.7381	20.4881	6.00024E-06	0.000108616
<i>Pla2g4b</i>	2.1854	3.4754	20.4437	6.14113E-06	0.000110879
<i>Dusp9</i>	2.1839	0.6344	20.4423	6.14558E-06	0.000110879
<i>Gm15056</i>	3.8024	-0.5752	20.4376	6.16075E-06	0.000111061
<i>Man2a1</i>	1.1647	7.0912	20.4166	6.22858E-06	0.000112192
<i>Zfp281</i>	1.2281	3.9963	20.3672	6.39174E-06	0.000114941
<i>Nid2</i>	1.9305	4.7627	20.2715	6.71925E-06	0.000120434
<i>Apobr</i>	1.6628	4.1277	20.2455	6.8112E-06	0.000121682
<i>Rbms3</i>	1.1579	3.9560	20.2033	6.9634E-06	0.000124096
<i>Krt90</i>	3.2890	-0.2334	20.1995	6.97719E-06	0.000124139
<i>Cc2d2b</i>	4.4962	-0.9690	20.1888	7.01621E-06	0.000124465
<i>Nucb2</i>	1.0590	5.3613	20.1552	7.14044E-06	0.000126528
<i>Fth1</i>	1.0992	11.0795	20.1434	7.18484E-06	0.000127212
<i>Htr7</i>	2.5721	0.5570	20.1409	7.19435E-06	0.000127277

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<i>Myo1f</i>	1.4154	4.3330	20.1195	7.27497E-06	0.000128391
<i>Hpcal4</i>	5.2268	-1.4867	20.1038	7.33517E-06	0.000129349
<i>Zyx</i>	1.0539	7.2083	20.1015	7.3439E-06	0.000129398
<i>Ly96</i>	1.3392	1.8189	20.0951	7.36834E-06	0.000129724
<i>Traf1</i>	1.5285	2.7075	20.0655	7.48363E-06	0.000131436
<i>Rdh10</i>	1.0748	4.0912	20.0522	7.53579E-06	0.00013214
<i>Clmp</i>	1.1666	5.3549	20.0404	7.58241E-06	0.000132791
<i>Ctsb</i>	1.0035	9.8145	20.0192	7.6669E-06	0.000134115
<i>Tph1</i>	2.5625	2.0515	20.0129	7.692E-06	0.000134447
<i>Renbp</i>	1.0456	3.7696	20.0068	7.71655E-06	0.000134768
<i>Lipg</i>	1.3609	3.7382	19.9835	7.81125E-06	0.000136313
<i>Sec23b</i>	1.3523	5.0108	19.9367	8.00496E-06	0.000139359
<i>Cd200</i>	1.0724	4.4926	19.8192	8.51252E-06	0.000147373
<i>Slc11a1</i>	2.2227	3.5578	19.8157	8.52803E-06	0.000147524
<i>Arl11</i>	1.9050	2.0106	19.7964	8.61454E-06	0.000148903
<i>Dnmt3l</i>	2.4854	0.2299	19.7566	8.79597E-06	0.000151918
<i>Tagln2</i>	1.0121	7.6319	19.7469	8.84072E-06	0.000152571
<i>Was</i>	1.2932	3.3034	19.6935	9.09085E-06	0.000156516
<i>Col15a1</i>	1.4944	5.7307	19.6706	9.20056E-06	0.00015828
<i>Tnfrsf13b</i>	1.6649	1.9984	19.5981	9.55652E-06	0.000163246
<i>Exoc3l2</i>	1.0478	3.2670	19.5923	9.58555E-06	0.000163614
<i>Mup19</i>	6.4914	-0.6546	19.5642	9.72744E-06	0.000165906
<i>B3glct</i>	1.2128	3.3565	19.5431	9.83579E-06	0.000167362
<i>Tsku</i>	1.0966	3.7574	19.5347	9.87909E-06	0.000167968
<i>Dennd3</i>	1.7392	2.9248	19.5125	9.99429E-06	0.000169794
<i>Tmem88</i>	1.5161	2.6305	19.4963	1.00796E-05	0.00017111
<i>Entpd7</i>	1.3970	3.0898	19.4884	1.01212E-05	0.000171683
<i>Flt1</i>	1.3075	5.4501	19.4727	1.0205E-05	0.000172837
<i>Atp6v0d2</i>	3.8332	2.6180	19.4666	1.02374E-05	0.00017325
<i>Ipcef1</i>	3.4742	1.6588	19.4546	1.0302E-05	0.000174209
<i>Il27ra</i>	2.0874	1.0130	19.3802	1.07113E-05	0.000180015
<i>S100a6</i>	1.0490	8.6024	19.2886	1.12377E-05	0.000187848
<i>Npy</i>	3.4681	-0.8022	19.2855	1.12556E-05	0.000187927
<i>Nrcam</i>	2.0966	2.7168	19.2848	1.12596E-05	0.000187927
<i>Fstl1</i>	1.2621	8.2048	19.2575	1.14221E-05	0.000190202
<i>Lrat</i>	2.1617	1.3907	19.2543	1.14412E-05	0.000190375
<i>Itih3</i>	2.0811	-0.3155	19.2463	1.14894E-05	0.000191032
<i>Avpr1a</i>	1.2975	2.7729	19.2034	1.17505E-05	0.000195077
<i>Syde1</i>	1.0319	4.0219	19.1814	1.18865E-05	0.000196736
<i>Lce3c</i>	2.5967	3.8445	19.1672	1.19751E-05	0.000197752
<i>Cpne7</i>	2.5613	0.6394	19.1105	1.23365E-05	0.000203413
<i>Fmn13</i>	1.2536	3.9921	19.0398	1.28021E-05	0.000210613
<i>Irx1</i>	1.2428	4.2081	19.0197	1.29373E-05	0.000212516
<i>Gml2</i>	5.0709	-1.5669	18.9817	1.3198E-05	0.000216149
<i>Pon1</i>	1.4946	1.3360	18.9387	1.34984E-05	0.000219586
<i>Hspa13</i>	1.0364	4.6953	18.9241	1.36025E-05	0.00022095
<i>Creld2</i>	1.0983	5.4819	18.9186	1.36419E-05	0.000221425
<i>Lhfp</i>	1.3469	4.6889	18.8586	1.40778E-05	0.000227822
<i>Shank3</i>	1.2456	4.4282	18.8127	1.44204E-05	0.000233022
<i>Cd209c</i>	1.0541	2.9389	18.8042	1.44848E-05	0.00023389
<i>Klk12</i>	3.0249	1.0552	18.7866	1.46189E-05	0.000235697
<i>Gapt</i>	2.4272	0.6031	18.7791	1.46763E-05	0.000236108
<i>Irf8</i>	1.2139	3.8383	18.7693	1.47522E-05	0.00023708
<i>Wdr4</i>	1.0382	3.7532	18.7506	1.4898E-05	0.00023897
<i>Ica1</i>	1.3685	1.5165	18.7473	1.49237E-05	0.000239206
<i>Pappa2</i>	1.9061	3.1189	18.7164	1.51675E-05	0.000242403
<i>Adgrg5</i>	3.3262	1.3358	18.7130	1.5194E-05	0.000242471
<i>Mrap</i>	2.4722	3.7368	18.6842	1.54254E-05	0.000245745
<i>Cd274</i>	1.1597	3.7804	18.6314	1.58584E-05	0.000251237

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<i>Rptn</i>	2.6981	4.7264	18.6282	1.58855E-05	0.000251484
<i>Apobec3</i>	1.8737	2.0980	18.6213	1.59432E-05	0.000252214
<i>Fbxl5</i>	1.0455	6.1018	18.6150	1.59958E-05	0.000252863
<i>Nfe2</i>	2.3307	2.1519	18.5538	1.65174E-05	0.000259979
<i>Trim6</i>	1.6878	1.1064	18.5241	1.67768E-05	0.000263007
<i>Arhgef15</i>	1.0158	3.6868	18.5232	1.67849E-05	0.000263007
<i>Pcsk5</i>	1.7580	3.9852	18.5013	1.69792E-05	0.000265383
<i>Raet1d</i>	2.5291	0.9593	18.4983	1.70055E-05	0.000265556
<i>Rgs7</i>	2.0103	0.4017	18.4477	1.74634E-05	0.000271734
<i>Chst2</i>	1.4288	2.0060	18.2902	1.89685E-05	0.000293065
<i>Slc26a7</i>	1.8989	1.2833	18.2558	1.93134E-05	0.000297761
<i>Slc1a3</i>	1.7542	4.7208	18.2387	1.94875E-05	0.000299811
<i>Prss12</i>	1.0760	4.1613	18.2274	1.96039E-05	0.000301178
<i>Arid5a</i>	1.1511	4.3213	18.2181	1.96997E-05	0.000301799
<i>Gbp7</i>	1.4822	3.4592	18.2132	1.97506E-05	0.000302233
<i>H2-Q10</i>	3.1798	3.8616	18.2012	1.98755E-05	0.000303853
<i>Lhfp12</i>	1.7934	4.3529	18.1875	2.00187E-05	0.000305828
<i>Tspan3</i>	1.2000	6.7559	18.1728	2.01736E-05	0.000307785
<i>Ubd</i>	1.5874	0.7536	18.1686	2.02182E-05	0.000308014
<i>Col1a1</i>	1.1992	9.5130	18.1402	2.05226E-05	0.000311998
<i>Serpina3f</i>	1.9550	1.0744	18.1279	2.06558E-05	0.000313804
<i>Srm</i>	1.1670	5.7846	18.1102	2.08486E-05	0.000316293
<i>Sash3</i>	1.4604	3.2674	18.0690	2.13045E-05	0.000322537
<i>Ccnyl1</i>	1.0060	4.6910	18.0395	2.16366E-05	0.000327338
<i>Trabd2b</i>	1.0335	2.7842	18.0362	2.1674E-05	0.000327676
<i>Ddx39</i>	1.1818	5.5416	18.0178	2.18852E-05	0.000330184
<i>Sgpp2</i>	1.4650	2.8600	17.9631	2.25226E-05	0.00033863
<i>Adamts5</i>	1.6272	6.1628	17.9355	2.28513E-05	0.000342821
<i>Bid</i>	3.2274	0.6502	17.9345	2.28642E-05	0.000342821
<i>Stambpl1</i>	1.0157	3.5550	17.8846	2.34715E-05	0.000350377
<i>Btla</i>	2.4733	0.3604	17.8839	2.34804E-05	0.000350377
<i>Ctsc</i>	1.2799	6.8108	17.8550	2.38387E-05	0.00035548
<i>Gm21188</i>	3.5104	0.6661	17.8074	2.44431E-05	0.000362511
<i>P2ry2</i>	1.7825	4.7474	17.7324	2.54257E-05	0.000376063
<i>Gpr183</i>	1.5821	1.8432	17.7077	2.57584E-05	0.000380726
<i>Tmem156</i>	2.5529	1.1706	17.6858	2.60571E-05	0.000384879
<i>Rgl1</i>	1.3317	5.5507	17.6710	2.62606E-05	0.000387623
<i>Dmp1</i>	2.2124	0.7276	17.6482	2.6577E-05	0.000391236
<i>Icos</i>	1.8918	0.2092	17.6454	2.66165E-05	0.000391553
<i>Gne</i>	1.1643	3.6098	17.6436	2.66408E-05	0.000391646
<i>Pcdhgc3</i>	1.3803	6.1698	17.5779	2.75779E-05	0.000404062
<i>Stat5a</i>	1.0235	5.4760	17.5538	2.7929E-05	0.000408658
<i>Wfdc12</i>	2.9314	0.9708	17.5494	2.79933E-05	0.000409325
<i>Cfp</i>	1.1801	6.1424	17.5426	2.80935E-05	0.000410515
<i>Dhrs9</i>	1.1440	4.3704	17.4686	2.92095E-05	0.000425115
<i>Abca13</i>	4.9782	-0.6386	17.4576	2.93795E-05	0.000426485
<i>Thbs4</i>	2.2009	5.9804	17.4574	2.93818E-05	0.000426485
<i>Rasl12</i>	1.3753	2.9061	17.4167	3.0017E-05	0.000434838
<i>Prr16</i>	2.2518	2.2258	17.4116	3.00976E-05	0.000435428
<i>Gm21762</i>	5.8232	-1.1079	17.3360	3.13191E-05	0.000451007
<i>Gpr85</i>	2.6400	0.0407	17.3274	3.14623E-05	0.000452638
<i>Mmp2</i>	1.1208	8.4452	17.3267	3.14738E-05	0.000452638
<i>Tha1</i>	1.3415	2.0447	17.3215	3.1559E-05	0.000453565
<i>Flot1</i>	1.0219	6.3491	17.3016	3.18913E-05	0.000458031
<i>Gfra1</i>	2.4615	-0.8013	17.2917	3.20578E-05	0.000459524
<i>Serpina1a</i>	1.8400	0.4581	17.2843	3.2184E-05	0.000461029
<i>Drd1</i>	3.7165	-0.3319	17.2762	3.23206E-05	0.000462683
<i>Lpcat4</i>	1.4347	1.9626	17.2357	3.30173E-05	0.000472038
<i>Ednrb</i>	1.8795	5.9359	17.1750	3.40887E-05	0.000486717

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<i>Cd59b</i>	1.4698	1.9266	17.1569	3.44155E-05	0.000489782
<i>Gbp3</i>	1.1429	4.0153	17.1545	3.44593E-05	0.000490085
<i>Camp</i>	3.7798	-1.4019	17.1486	3.45663E-05	0.000491288
<i>Slc24a5</i>	1.2960	1.0465	17.1136	3.52084E-05	0.000499114
<i>Nrros</i>	1.1863	4.9343	17.0770	3.58937E-05	0.00050751
<i>Rab44</i>	1.6929	4.3822	17.0707	3.6013E-05	0.000508868
<i>Ccdc80</i>	1.4907	7.4047	17.0127	3.71307E-05	0.000523982
<i>Lhx1</i>	5.5400	-1.2880	17.0074	3.7234E-05	0.000525101
<i>Tifa</i>	1.3367	3.2088	16.9398	3.85841E-05	0.00054204
<i>Has1</i>	3.1562	2.0043	16.9032	3.93346E-05	0.000551518
<i>Endou</i>	1.4557	6.5964	16.8903	3.96027E-05	0.000554565
<i>Tal1</i>	1.4324	2.0718	16.8620	4.01975E-05	0.000561813
<i>Hsd11b1</i>	1.5409	5.2785	16.8578	4.02879E-05	0.000562716
<i>Bcl2l11</i>	1.2989	3.7393	16.8449	4.05624E-05	0.000566188
<i>Slfn5</i>	1.0895	6.0807	16.8191	4.11182E-05	0.000572482
<i>Serpina9</i>	2.5050	-0.8974	16.8061	4.14008E-05	0.000576049
<i>Apold1</i>	1.0669	3.6174	16.7693	4.22116E-05	0.000585836
<i>Col6a2</i>	1.2952	7.7484	16.7358	4.29616E-05	0.00059511
<i>Ifi44l</i>	1.7258	1.7398	16.7271	4.31593E-05	0.000597092
<i>Dsc2</i>	1.7689	3.2161	16.6712	4.44501E-05	0.000613006
<i>Zfp608</i>	1.1016	3.4776	16.6597	4.4721E-05	0.000615965
<i>Manf</i>	1.2194	6.4220	16.6481	4.49947E-05	0.000618609
<i>Dyrk3</i>	2.0697	0.7493	16.6461	4.50418E-05	0.000618609
<i>Aqp1</i>	1.1729	7.8290	16.6349	4.53099E-05	0.000621723
<i>Sox11</i>	2.3840	0.6384	16.6213	4.56355E-05	0.000625797
<i>Gpr65</i>	2.7611	1.7068	16.4925	4.88426E-05	0.000665179
<i>Fasl</i>	3.2744	-1.2478	16.4659	4.95328E-05	0.000672622
<i>Atp1a3</i>	1.8543	2.6168	16.4491	4.99735E-05	0.000677622
<i>Cnnm2</i>	1.3435	3.3859	16.3899	5.15585E-05	0.000695657
<i>H60b</i>	3.4349	-0.5474	16.3577	5.24426E-05	0.000705842
<i>Smpdl3b</i>	1.1663	2.6728	16.3500	5.26554E-05	0.000707833
<i>Pparg</i>	1.5002	4.3389	16.3134	5.36817E-05	0.000719414
<i>Ly9</i>	1.2417	1.5443	16.2795	5.46522E-05	0.000729732
<i>Samd9l</i>	1.1972	4.7379	16.2611	5.51861E-05	0.000735961
<i>Tgfbr2</i>	1.0833	8.1428	16.2541	5.53886E-05	0.00073776
<i>Cd101</i>	1.4928	0.8245	16.2449	5.56581E-05	0.000740446
<i>Kif17</i>	2.3346	-0.7268	16.2037	5.68827E-05	0.000755357
<i>Chka</i>	1.1248	3.6834	16.1310	5.91096E-05	0.000781127
<i>Celsr3</i>	1.7345	2.0147	16.1135	5.96571E-05	0.000786933
<i>Gbp2</i>	1.0216	4.3412	16.1113	5.97277E-05	0.000787389
<i>Htr2b</i>	2.0351	0.3880	16.0545	6.15462E-05	0.00080892
<i>Clec4a1</i>	1.3328	4.2887	16.0514	6.16453E-05	0.000809364
<i>Armcx2</i>	1.4632	3.2465	16.0441	6.1885E-05	0.000811905
<i>Vstm4</i>	1.1964	2.1045	15.9450	6.52088E-05	0.000849493
<i>Pilrb2</i>	2.1431	1.3749	15.9006	6.67584E-05	0.000866193
<i>Iqgap2</i>	1.0721	4.1370	15.8986	6.68283E-05	0.000866347
<i>Gimap8</i>	1.2784	2.3522	15.8730	6.77377E-05	0.000876056
<i>Fam169b</i>	1.6793	2.5650	15.8678	6.79247E-05	0.000877919
<i>Lep</i>	2.6377	5.5967	15.8564	6.83355E-05	0.00088222
<i>Bik</i>	1.4068	0.8229	15.8494	6.85894E-05	0.000884974
<i>Gbp5</i>	1.4965	1.7149	15.8360	6.90773E-05	0.000889691
<i>Lyve1</i>	1.5412	5.0877	15.8158	6.98161E-05	0.000896562
<i>Rgcc</i>	1.6782	5.7531	15.7842	7.09925E-05	0.000910063
<i>Gm17455</i>	4.6861	-1.7516	15.7672	7.16342E-05	0.000916674
<i>Gja4</i>	1.1044	3.2402	15.7615	7.18492E-05	0.000918349
<i>Loxl1</i>	1.1635	6.6345	15.7393	7.26983E-05	0.000927572
<i>Adcy5</i>	1.6084	4.4150	15.7133	7.37052E-05	0.000938226
<i>Slc2a10</i>	1.7146	2.2030	15.6552	7.60039E-05	0.000964675
<i>Mmp13</i>	4.3601	4.1540	15.6318	7.69487E-05	0.000974966

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<i>Bcl2l10</i>	3.9730	-1.2849	15.5970	7.83793E-05	0.000991942
<i>Olf1558</i>	1.6515	0.5386	15.5448	8.05728E-05	0.00101558
<i>Clcf1</i>	1.9513	3.6635	15.4808	8.33491E-05	0.001045143
<i>Tmem263</i>	1.1569	3.6202	15.4761	8.35534E-05	0.001046503
<i>Gm694</i>	2.2647	-0.7725	15.4547	8.45045E-05	0.001055387
<i>Klhl6</i>	1.3047	1.8900	15.4505	8.4693E-05	0.001057138
<i>Fcor</i>	1.8977	1.5996	15.4261	8.57932E-05	0.001067817
<i>Erfe</i>	1.1231	1.4004	15.4097	8.65415E-05	0.001074681
<i>Azin2</i>	1.0228	2.3181	15.3648	8.86225E-05	0.001096157
<i>Prss22</i>	1.1411	3.9438	15.3517	8.9241E-05	0.001098859
<i>Drd2</i>	4.6217	-1.7789	15.3185	9.08231E-05	0.001113284
<i>Tes</i>	1.1273	4.5803	15.3071	9.13708E-05	0.001118672
<i>Bcl2a1d</i>	2.5310	-0.9659	15.2356	9.48967E-05	0.001153503
<i>Msl3l2</i>	1.3020	1.3123	15.2258	9.53929E-05	0.001158888
<i>Igf2bp2</i>	3.4079	1.3485	15.2008	9.66632E-05	0.001172363
<i>Tmem51</i>	1.1029	3.9347	15.1678	9.83651E-05	0.0011897
<i>Trpv2</i>	1.0671	3.6847	15.1535	9.91151E-05	0.001197445
<i>Masp1</i>	1.8514	2.6444	15.1381	9.99268E-05	0.001205915
<i>Rad18</i>	1.2513	1.9964	15.1352	0.00010008	0.001207096
<i>Akna</i>	1.0566	4.5512	15.0959	0.000102185	0.001231128
<i>Tnfsf9</i>	1.2337	1.0265	15.0882	0.000102605	0.001234141
<i>Loxl2</i>	1.3169	5.7627	15.0833	0.000102871	0.001235985
<i>Ifit1</i>	1.7020	3.3997	15.0636	0.000103946	0.001247522
<i>Gprin1</i>	2.3052	-0.2642	15.0245	0.000106127	0.001270899
<i>Lilr4b</i>	4.1766	3.1144	14.9883	0.000108179	0.001290758
<i>Ctse</i>	1.8869	2.9518	14.9880	0.000108199	0.001290758
<i>Pcbp3</i>	1.5101	3.3404	14.9766	0.000108854	0.001297156
<i>Atp8b4</i>	1.4575	2.6394	14.9617	0.000109713	0.001305259
<i>P2ry10</i>	1.3842	1.5884	14.9143	0.000112506	0.001336298
<i>Emilin2</i>	1.4964	6.9119	14.8646	0.00011551	0.001366769
<i>5830411N06Rik</i>	2.1146	0.4812	14.8227	0.000118108	0.001392229
<i>Muc13</i>	3.6693	-1.0067	14.7273	0.000124237	0.001456617
<i>Pcdhb22</i>	1.1921	1.7685	14.7122	0.000125236	0.001466747
<i>Ncapg</i>	1.3853	2.3855	14.7095	0.000125412	0.00146803
<i>Galnt3</i>	1.2274	2.6096	14.7078	0.000125523	0.001468536
<i>Ptprz1</i>	1.7699	4.3021	14.7040	0.000125779	0.00147039
<i>Vill</i>	1.1980	2.8623	14.6943	0.000126427	0.001476744
<i>Kcns3</i>	1.8296	1.8399	14.6870	0.000126917	0.001481673
<i>Slc5a8</i>	1.1512	3.8924	14.6590	0.000128819	0.001496676
<i>Gzmb</i>	2.6361	-0.3759	14.5331	0.000137722	0.001589117
<i>Ercc6l</i>	1.3555	2.3384	14.4946	0.000140563	0.001617625
<i>Trip13</i>	1.3032	1.5160	14.4761	0.000141946	0.001630105
<i>Rrad</i>	3.3826	5.7577	14.4441	0.000144381	0.001652844
<i>Trps1</i>	1.2592	3.7302	14.4117	0.000146886	0.001673631
<i>Bcl2l15</i>	1.9525	1.8299	14.4092	0.000147078	0.001674315
<i>Fndc4</i>	1.1043	2.7678	14.3748	0.000149792	0.001702292
<i>Phf11b</i>	1.3636	1.1580	14.3672	0.000150398	0.001707399
<i>Gnat1</i>	4.7555	-1.7227	14.3446	0.000152219	0.001725456
<i>Hey2</i>	1.5611	-0.0030	14.3355	0.000152957	0.001732851
<i>Ggt5</i>	1.3288	3.3895	14.3332	0.000153137	0.001733319
<i>Mup9</i>	2.2466	1.5215	14.3280	0.000153564	0.001736125
<i>CT571246.5</i>	2.2466	1.5215	14.3280	0.000153564	0.001736125
<i>Pear1</i>	1.4576	3.3480	14.3202	0.0001542	0.00174241
<i>Gper1</i>	1.8597	0.1979	14.2824	0.000157327	0.001774071
<i>Cacna1d</i>	2.5712	0.7072	14.1701	0.000167006	0.001863957
<i>Tmprss11b</i>	2.6456	-0.5018	14.1585	0.000168037	0.001872601
<i>Retnlb</i>	4.8181	-1.6794	14.1416	0.000169554	0.001885646
<i>Trpm2</i>	2.2858	-0.2766	14.1164	0.000171835	0.001909309
<i>Bmper</i>	1.8265	3.0416	14.0841	0.000174819	0.001936312

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<i>Dnajb9</i>	1.4091	5.7921	14.0225	0.00018064	0.001989779
<i>Ropn1l</i>	2.0441	-0.1003	13.9978	0.000183028	0.002011298
<i>Phox2a</i>	3.8749	-1.3400	13.9868	0.000184102	0.002020679
<i>Kdelc1</i>	1.2582	3.1379	13.9813	0.00018464	0.002025568
<i>Dbx2</i>	3.9324	-1.3202	13.9617	0.000186574	0.002043698
<i>Lypd1</i>	2.0259	-0.6426	13.9589	0.000186849	0.002045687
<i>Gm11110</i>	1.5655	0.4445	13.8960	0.000193208	0.002105921
<i>Smoc1</i>	1.4455	4.3963	13.8693	0.000195973	0.002131681
<i>Il7r</i>	1.0852	3.6894	13.8365	0.000199421	0.002160576
<i>Trpm1</i>	2.9379	1.8329	13.8063	0.000202655	0.002191264
<i>Myl3</i>	2.0488	-0.6451	13.7620	0.000207491	0.002235801
<i>Nrp1</i>	1.2215	5.1009	13.7327	0.000210753	0.002264245
<i>Lama4</i>	1.4391	6.4547	13.7101	0.000213299	0.002284854
<i>Tmem108</i>	1.6774	0.0135	13.6857	0.000216091	0.002309092
<i>Akr1c13</i>	1.1106	1.9106	13.6521	0.00022	0.002345128
<i>Bcl2a1a</i>	2.3822	-0.0354	13.6460	0.000220713	0.002349618
<i>Stard8</i>	1.0185	5.5545	13.6425	0.000221121	0.002351336
<i>Heg1</i>	1.0071	6.5458	13.5983	0.000226395	0.002396908
<i>Chst7</i>	1.2725	1.8359	13.5925	0.000227095	0.002400045
<i>Unc5c</i>	1.6729	-0.1109	13.5922	0.000227131	0.002400045
<i>Plod2</i>	1.5228	3.3776	13.5501	0.000232279	0.002443587
<i>Btk</i>	1.1579	3.0714	13.5494	0.000232371	0.002443587
<i>Sftpa1</i>	4.4833	-1.8352	13.4994	0.00023864	0.002498676
<i>1700012B09Rik</i>	5.1156	-1.5346	13.4700	0.000242414	0.002530915
<i>Ifit1bl2</i>	2.1435	0.0452	13.4612	0.000243547	0.002540317
<i>Hsh2d</i>	2.1969	-0.5534	13.4583	0.000243928	0.002542112
<i>Stab1</i>	1.9163	5.9631	13.4111	0.000250144	0.002588097
<i>Krt86</i>	5.1253	-1.5333	13.3917	0.000252741	0.00261002
<i>Gprc5b</i>	1.0513	5.2951	13.3585	0.000257256	0.002651629
<i>Gpr4</i>	1.0358	2.6341	13.3518	0.000258177	0.002658614
<i>Defb14</i>	1.4966	3.4103	13.3035	0.000264915	0.002721578
<i>Cd200r4</i>	2.1572	0.6147	13.2664	0.000270207	0.00276554
<i>Fads2</i>	1.2462	2.4756	13.2592	0.000271241	0.002774813
<i>Tpsab1</i>	2.0740	5.7090	13.2486	0.000272778	0.002788944
<i>Golm1</i>	1.0551	3.2647	13.2220	0.000276677	0.002826456
<i>2610528A11Rik</i>	3.0560	3.9678	13.1275	0.000290998	0.002958913
<i>Gal</i>	3.0649	-1.3628	13.0898	0.000296908	0.00300361
<i>Ifi214</i>	5.4764	-1.3193	13.0568	0.000302182	0.003042868
<i>Cdh11</i>	1.2319	2.9166	13.0318	0.000306253	0.003081014
<i>Kcnh1</i>	2.1244	0.7944	13.0271	0.000307012	0.003086045
<i>1830077J02Rik</i>	2.1005	1.3289	13.0168	0.000308704	0.003097108
<i>Pygl</i>	1.3915	5.6035	12.9635	0.000317626	0.003179322
<i>Cxcl10</i>	2.1856	1.8610	12.8925	0.000329896	0.003287068
<i>Mcm10</i>	1.6763	1.8146	12.8681	0.000334237	0.003320583
<i>Gm21320</i>	2.1589	7.7928	12.8380	0.00033965	0.003359719
<i>Cxcr4</i>	1.4826	3.2177	12.8143	0.000343979	0.003394845
<i>Gpr27</i>	1.1512	2.2598	12.7837	0.000349654	0.003436871
<i>Scimp</i>	1.3208	0.8509	12.7481	0.000356373	0.003487217
<i>Tnfaip8l1</i>	1.0559	1.9567	12.6890	0.000367816	0.003578341
<i>Cks1b</i>	1.1737	4.1426	12.6822	0.000369154	0.003586559
<i>Ldlrad3</i>	1.2061	4.5895	12.6810	0.000369396	0.003587319
<i>Slc2a6</i>	1.8079	1.8926	12.6787	0.000369846	0.003590089
<i>Mgst1</i>	1.0047	6.9280	12.6649	0.000372579	0.003606997
<i>Scn5a</i>	1.3676	0.7781	12.6168	0.0003823	0.003691279
<i>B3gnt7</i>	1.5632	0.3910	12.6117	0.000383341	0.003698063
<i>Itga2b</i>	1.1290	2.4187	12.6105	0.00038359	0.003698828
<i>4930519G04Rik</i>	4.3806	-1.8780	12.6072	0.000384262	0.003702045
<i>Lat2</i>	1.2446	1.8259	12.5913	0.000387556	0.003730479
<i>Car5b</i>	1.1792	4.4615	12.5791	0.000390078	0.003753104

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<i>Ptgis</i>	1.2888	3.7453	12.5737	0.00039121	0.003762339
<i>Spib</i>	1.4475	0.3681	12.5498	0.000396246	0.003799433
<i>Clvs1</i>	1.2273	3.0136	12.4881	0.000409549	0.003907723
<i>Fyb2</i>	2.3558	-0.8607	12.4853	0.000410172	0.003911958
<i>Dclk1</i>	1.1986	3.6308	12.4747	0.000412505	0.003929705
<i>Cd24a</i>	1.0148	7.1668	12.4209	0.000424551	0.004029727
<i>Fcrla</i>	5.0882	-1.5374	12.4100	0.000427034	0.004040995
<i>Avpr2</i>	1.8838	1.0366	12.4050	0.000428187	0.004048399
<i>R3hdml</i>	5.1862	-1.4912	12.3634	0.000437821	0.004116311
<i>Plscr2</i>	1.3500	1.4363	12.2885	0.00045576	0.004255644
<i>Pilrb1</i>	2.0039	1.0418	12.2780	0.000458341	0.004272434
<i>Rnf125</i>	1.9130	2.4418	12.2529	0.000464524	0.00431717
<i>Slc4a7</i>	1.5580	2.5448	12.2385	0.000468142	0.004345241
<i>Clec12b</i>	2.0049	-0.6732	12.1704	0.000485545	0.004480106
<i>Notch4</i>	1.0065	3.9455	12.1684	0.000486053	0.004482904
<i>Arhgap4</i>	1.8269	2.0807	12.1582	0.00048872	0.004499891
<i>Kcng2</i>	2.6663	-1.2804	12.1549	0.000489586	0.004505964
<i>Tnfsf4</i>	4.3512	-1.8900	12.1291	0.000496414	0.004563035
<i>Ptger2</i>	2.3590	0.7302	12.1146	0.000500288	0.00459285
<i>Pfkfb4</i>	1.1600	4.0091	12.0556	0.000516382	0.004715653
<i>Speer4d</i>	4.4458	-1.8520	12.0552	0.000516473	0.004715653
<i>Nts</i>	5.0244	-1.5806	12.0177	0.000526982	0.004781602
<i>Tox2</i>	1.7335	0.8111	11.9991	0.000532256	0.00482345
<i>Gspt2</i>	1.4363	1.4756	11.9917	0.00053439	0.004838767
<i>Tmem119</i>	1.1038	3.2150	11.9489	0.00054679	0.004936714
<i>Tfpi2</i>	2.2784	0.9691	11.9048	0.000559882	0.005042405
<i>Ifi47</i>	1.1365	2.9098	11.8780	0.000568	0.005100785
<i>Slc25a10</i>	1.0098	4.8172	11.8611	0.000573187	0.005136801
<i>F13a1</i>	1.1926	7.3117	11.8564	0.00057462	0.00514753
<i>Fam46c</i>	1.1683	1.6522	11.8357	0.000581045	0.005196557
<i>Rras2</i>	1.1696	5.3285	11.8122	0.000588436	0.005260502
<i>Lamc2</i>	1.3558	7.0203	11.7774	0.000599553	0.005346746
<i>Nepn</i>	2.8632	-0.7376	11.7638	0.000603951	0.005377185
<i>Sh2d1b1</i>	1.6934	0.0750	11.7503	0.000608343	0.005411876
<i>Atoh8</i>	1.5271	2.4097	11.7449	0.000610111	0.005417755
<i>Kdr</i>	1.0646	4.7167	11.7177	0.000619086	0.005476659
<i>Cd52</i>	1.1772	4.7071	11.6608	0.000638322	0.005616766
<i>Gjc1</i>	1.0027	3.0028	11.6566	0.000639744	0.005620219
<i>Ly6c2</i>	1.0437	3.6036	11.6519	0.000641364	0.005629919
<i>Adam30</i>	2.5623	-1.1077	11.6440	0.000644115	0.005647261
<i>Fcrl1</i>	2.9103	-0.8925	11.6208	0.000652179	0.005701927
<i>Cd6</i>	4.3794	-1.8746	11.6052	0.000657673	0.005738473
<i>Ccnb1ip1</i>	1.5229	0.8137	11.5955	0.000661122	0.00575936
<i>Arxes2</i>	2.0228	3.0697	11.5893	0.000663317	0.005773876
<i>Tg</i>	3.6472	-1.1441	11.5859	0.000664541	0.005782218
<i>Msi1</i>	1.7949	-0.3316	11.5835	0.000665387	0.005784972
<i>Cracr2a</i>	1.5668	1.1475	11.5712	0.000669809	0.005818785
<i>Sox17</i>	1.1541	3.0232	11.5694	0.00067045	0.005821769
<i>St6galnac5</i>	1.4584	4.0942	11.5688	0.000670686	0.005821769
<i>Bend6</i>	1.4946	1.1754	11.5438	0.00067976	0.005884153
<i>Cfi</i>	2.8064	-1.4887	11.4932	0.000698506	0.006013045
<i>Marc1</i>	1.7797	0.5874	11.4720	0.000706527	0.006066093
<i>Spry4</i>	1.2795	2.4832	11.4677	0.000708152	0.006074525
<i>Kcnh4</i>	2.1222	-0.7231	11.4499	0.000714964	0.006116133
<i>Marcks</i>	1.0842	6.3358	11.4092	0.000730831	0.006239641
<i>Frem1</i>	1.8388	0.8212	11.3972	0.000735552	0.006272593
<i>Gbp2b</i>	1.5662	0.0487	11.3617	0.000749755	0.006371313
<i>Fcer1a</i>	2.2793	1.1042	11.3571	0.000751592	0.006383597
<i>Btl2</i>	1.0370	1.7347	11.3566	0.000751785	0.006383597

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<i>Tmem268</i>	1.0229	4.0535	11.3415	0.000757956	0.006425995
<i>Scn3b</i>	1.4701	1.4955	11.3394	0.000758788	0.006430548
<i>Tbc1d10c</i>	1.5286	1.8813	11.2851	0.000781297	0.006593158
<i>Il1rap</i>	1.3059	5.2971	11.2797	0.000783603	0.006609197
<i>Gzma</i>	2.9235	-1.1396	11.2175	0.000810313	0.006790768
<i>Slc10a4</i>	4.3471	-1.8909	11.2072	0.000814827	0.006820739
<i>Ly6i</i>	3.1792	-1.2837	11.1863	0.000824034	0.006876713
<i>Wap</i>	6.2214	-0.8766	11.1812	0.000826312	0.006893093
<i>Fabp4</i>	1.3812	10.0998	11.1757	0.00082877	0.006910952
<i>Sh2d6</i>	2.0964	-0.2969	11.1618	0.000834981	0.006949477
<i>Kcnd1</i>	1.2998	1.4388	11.1397	0.000845012	0.007008912
<i>Sidtl</i>	1.8025	0.2045	11.1307	0.000849127	0.007040373
<i>Fbxo39</i>	4.1866	-1.9500	11.1198	0.000854111	0.007079005
<i>Rbm46</i>	2.6306	-0.8619	11.0970	0.000864692	0.007145004
<i>Havcr1</i>	4.4617	-1.8369	11.0927	0.0008667	0.007154061
<i>Gimap5</i>	1.4272	0.6247	11.0879	0.000868951	0.00716454
<i>Mrph</i>	1.0198	2.8904	11.0237	0.000899548	0.007377174
<i>Moap1</i>	1.1191	1.1336	11.0217	0.000900539	0.007379751
<i>Cd1d1</i>	1.6600	3.7219	11.0131	0.000904703	0.007401157
<i>Epsti1</i>	1.0074	2.9440	10.9333	0.000944495	0.00766801
<i>Elf3</i>	1.1664	2.1282	10.9253	0.000948615	0.007698596
<i>Pstpip1</i>	1.1508	3.3513	10.9037	0.000959711	0.007775182
<i>Npy2r</i>	4.2088	-0.6643	10.9035	0.000959804	0.007775182
<i>Arhgap9</i>	1.0107	4.0091	10.8964	0.000963496	0.007787516
<i>Cep55</i>	1.2071	2.6856	10.8928	0.000965382	0.007799871
<i>Adm2</i>	1.9532	-0.2368	10.8410	0.000992788	0.007975396
<i>C1rl</i>	1.4396	2.6695	10.8327	0.000997229	0.008003859
<i>P2ry12</i>	1.9143	1.8982	10.8251	0.00100136	0.008031111
<i>Rgs8</i>	4.1726	-1.9521	10.7570	0.001038881	0.008292432
<i>Slco4c1</i>	2.8507	-0.3844	10.7425	0.001047036	0.008354474
<i>Bfsp1</i>	1.7868	2.0762	10.7215	0.001058999	0.008425291
<i>Eno2</i>	1.1851	2.5291	10.7121	0.001064391	0.008452788
<i>Sncg</i>	1.1026	5.4919	10.6718	0.00108781	0.008601224
<i>Ikbip</i>	1.0466	3.4843	10.6563	0.001096944	0.008657766
<i>Gm12253</i>	2.7165	-1.2478	10.6504	0.001100476	0.008673104
<i>Zfp697</i>	2.5314	2.5955	10.6109	0.001124257	0.008809641
<i>Fbxo27</i>	1.1262	1.2512	10.6005	0.001130548	0.008849408
<i>Tbx2</i>	1.0517	2.0347	10.5918	0.001135933	0.008885185
<i>Foxs1</i>	1.4111	0.4248	10.5871	0.001138816	0.008891804
<i>E2f7</i>	1.1211	2.8109	10.5462	0.001164276	0.009054141
<i>Gulp1</i>	1.2916	2.1569	10.5422	0.001166812	0.009061781
<i>Olf1378</i>	2.2368	-0.6509	10.5380	0.001169469	0.009079189
<i>Gm6594</i>	4.3239	-1.8933	10.5008	0.001193209	0.009233936
<i>Xylb</i>	6.0041	-0.9870	10.4387	0.001234053	0.009492815
<i>Dock2</i>	1.0489	4.4689	10.4289	0.001240564	0.009529473
<i>Cd300ld3</i>	5.9595	-1.0157	10.3555	0.001290862	0.009846544
<i>Lipa</i>	1.1208	5.3843	10.3047	0.001326895	0.010079142
<i>Cmklr1</i>	1.2299	4.9959	10.2707	0.001351574	0.010238103
<i>Capn12</i>	1.1013	3.2088	10.2592	0.001360049	0.010277338
<i>Chrm3</i>	1.4923	-0.3907	10.2472	0.001368887	0.010333395
<i>Blk</i>	1.7166	-0.2866	10.2392	0.001374835	0.010367539
<i>Fbxl22</i>	1.4212	2.0269	10.2193	0.001389771	0.010455995
<i>Map7d3</i>	1.8677	0.4189	10.2125	0.001394925	0.010486435
<i>Mup7</i>	2.2540	1.7735	10.1713	0.00142643	0.010681157
<i>Retn</i>	1.3577	5.6560	10.1349	0.001454906	0.010851086
<i>Strip2</i>	1.3372	0.9816	10.1250	0.001462728	0.010887199
<i>Myo7a</i>	1.3985	1.9731	10.1205	0.001466301	0.010899152
<i>Samd12</i>	2.7486	-1.5106	10.1057	0.001478131	0.010975877
<i>Astl</i>	3.2975	-1.2140	10.0456	0.001527128	0.011263085

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<i>Spc25</i>	1.0350	2.1917	10.0272	0.001542415	0.011345166
<i>Etv1</i>	1.3233	2.1789	10.0251	0.001544177	0.011350477
<i>Snap25</i>	4.8994	-1.6709	9.9973	0.001567727	0.011474562
<i>Elf5</i>	1.7814	3.0385	9.9481	0.001610139	0.011740465
<i>Kmo</i>	1.8075	1.6356	9.9337	0.00162278	0.01180897
<i>Adap1</i>	1.7292	1.8630	9.9294	0.001626593	0.011822905
<i>Lao1</i>	5.3106	2.3525	9.8600	0.001689126	0.012194218
<i>Pik3cg</i>	1.3271	2.9099	9.8498	0.001698496	0.012241622
<i>Tmem200b</i>	1.1406	1.7004	9.8436	0.001704257	0.012258861
<i>Gm4951</i>	1.3797	1.3724	9.8377	0.001709704	0.01229399
<i>Hey1</i>	1.3529	1.9708	9.8256	0.001720994	0.012352142
<i>Aadacl4</i>	1.0773	3.4758	9.7642	0.001779393	0.012694746
<i>Gm45692</i>	3.5750	-1.8354	9.7580	0.001785418	0.012729409
<i>Tlr8</i>	1.9881	2.8083	9.7496	0.001793612	0.012771152
<i>Gm19345</i>	2.9507	-1.4053	9.7317	0.001811167	0.012879343
<i>Hoxd10</i>	1.3713	1.1299	9.7297	0.001813098	0.012888877
<i>Sp9</i>	3.9954	-2.0137	9.7258	0.001816951	0.012899466
<i>Rprml</i>	2.2591	-0.1968	9.7212	0.001821568	0.012926851
<i>Mup17</i>	2.2565	4.2688	9.7154	0.001827282	0.012955957
<i>Enpp2</i>	1.1007	5.7934	9.7070	0.001835667	0.013000358
<i>Dnah7a</i>	4.1266	-1.9654	9.6754	0.001867541	0.013181467
<i>Lin7a</i>	1.5571	-0.3806	9.6464	0.001897229	0.013347857
<i>Olf870</i>	4.2121	-1.9467	9.6415	0.001902297	0.013374894
<i>Ttpa</i>	1.4039	1.6647	9.6310	0.001913167	0.013442496
<i>Sprr3</i>	3.0946	-0.5612	9.6059	0.001939564	0.013597502
<i>Hc</i>	3.6653	-0.6201	9.6032	0.001942429	0.013608848
<i>Adam32</i>	4.2125	-1.9479	9.5960	0.001950018	0.013644503
<i>Gm7879</i>	1.0611	0.7863	9.5574	0.001991486	0.013864644
<i>Rps26</i>	1.1468	1.5368	9.5468	0.002002968	0.013925728
<i>Gpr55</i>	1.9091	0.1492	9.4812	0.002075894	0.014291656
<i>Nfil3</i>	1.2723	4.7769	9.4607	0.002099266	0.014434352
<i>Bag2</i>	1.0152	3.4714	9.4423	0.002120337	0.014570058
<i>Pacs1n1</i>	1.8521	-0.7490	9.4276	0.002137478	0.01465784
<i>Tdgf1</i>	3.9908	-2.0141	9.4150	0.002152156	0.014733059
<i>St8sia4</i>	1.6039	3.0211	9.4065	0.00216218	0.014797036
<i>Ankrd10</i>	1.1708	4.9014	9.3947	0.00217615	0.014864683
<i>Enkd1</i>	1.2451	1.1538	9.3848	0.002187904	0.014926989
<i>Aqp5</i>	2.1151	0.9958	9.3787	0.002195271	0.014959079
<i>Oit1</i>	4.0058	-2.0120	9.3569	0.002221527	0.015110341
<i>A930003A15Rik</i>	2.4093	-1.0043	9.3555	0.002223159	0.015114853
<i>P2ry13</i>	1.2223	2.2682	9.3187	0.002268281	0.015388077
<i>Dll4</i>	1.1618	2.4123	9.3105	0.002278442	0.015428248
<i>Prr5l</i>	1.3785	1.8892	9.2895	0.002304772	0.015587199
<i>Nova2</i>	1.2525	1.8922	9.2779	0.002319299	0.015656344
<i>2210407C18Rik</i>	5.3734	-1.3689	9.2762	0.002321475	0.015666192
<i>Bub1</i>	1.1876	2.6081	9.2613	0.002340462	0.015745648
<i>Ntng2</i>	1.1876	2.4190	9.2266	0.002385295	0.015997964
<i>Hist1h3c</i>	3.7479	-1.4161	9.2150	0.002400388	0.016079435
<i>Ptgfr</i>	1.2430	4.6011	9.2001	0.002420037	0.016176311
<i>Lin28a</i>	2.9234	-0.1883	9.1751	0.002453274	0.016358404
<i>Gm16486</i>	3.8988	-2.0451	9.1745	0.002454134	0.016359147
<i>Areg</i>	1.0673	3.1551	9.1620	0.002470924	0.01643093
<i>Orc1</i>	1.0583	2.1708	9.1572	0.00247746	0.016469377
<i>Prkar2b</i>	1.2946	5.1729	9.1417	0.002498457	0.016573627
<i>Prkd1</i>	1.0402	2.2723	9.1363	0.00250594	0.016618216
<i>Hoxd4</i>	1.0196	1.8742	9.0685	0.002600546	0.01714664
<i>Tspan32</i>	1.0461	1.9447	9.0424	0.002637849	0.017350673
<i>Nox3</i>	3.1035	-1.7273	9.0293	0.00265683	0.017438742
<i>Slamf1</i>	2.6282	-1.3053	9.0286	0.002657861	0.017440267

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<i>Serpina1b</i>	1.1662	2.3444	9.0264	0.00266106	0.017450768
<i>Tirap</i>	1.1408	4.5672	9.0228	0.002666344	0.017474919
<i>Gm2000</i>	1.3983	4.6921	9.0194	0.002671294	0.017489981
<i>Plin1</i>	1.8896	6.3963	9.0190	0.002671847	0.017489981
<i>Cadps2</i>	1.2940	0.6802	9.0163	0.002675758	0.017505088
<i>Sox5</i>	1.1626	1.2747	8.9743	0.002738007	0.017864681
<i>Gucy2c</i>	1.9736	-1.0723	8.9642	0.002753208	0.01793117
<i>Acot5</i>	1.1210	1.4986	8.9588	0.002761409	0.017973861
<i>Proz</i>	1.1826	0.2400	8.9129	0.002831601	0.018348673
<i>Tbc1d30</i>	1.3609	0.0871	8.9051	0.002843701	0.018410686
<i>Gpsm3</i>	1.1162	3.6401	8.9021	0.002848432	0.018430384
<i>Kitl</i>	1.0362	5.0411	8.8854	0.002874612	0.018536936
<i>4933415A04Rik</i>	4.4292	-1.8381	8.8794	0.002884033	0.018566014
<i>Mov10</i>	1.0386	3.1643	8.8719	0.002895959	0.018621997
<i>Gbp4</i>	3.7083	-0.4330	8.8665	0.002904477	0.018665772
<i>Cxcr1</i>	3.9830	-2.0145	8.8618	0.00291199	0.018699962
<i>Ccl17</i>	1.7926	-0.5921	8.8550	0.002922822	0.018729137
<i>Gca</i>	1.3082	1.7606	8.8358	0.002953762	0.018876925
<i>Glt1d1</i>	1.4006	-0.1821	8.8318	0.002960193	0.018909139
<i>Igfals</i>	1.3455	1.8485	8.8263	0.002969122	0.018936284
<i>Cox4i2</i>	1.6922	0.2073	8.7940	0.003022258	0.019216828
<i>Gfra2</i>	1.0420	3.7341	8.7937	0.003022793	0.019216828
<i>Pid1</i>	1.0143	4.2548	8.7813	0.003043396	0.019330925
<i>Mcpt8</i>	4.1024	-1.9779	8.7696	0.003062863	0.019426312
<i>Pcdhb14</i>	1.0869	0.9307	8.7421	0.003109474	0.019664436
<i>Ccr3</i>	1.9916	-0.4602	8.7234	0.003141527	0.019827316
<i>Cda</i>	1.6322	-0.3201	8.6931	0.00319418	0.020093304
<i>0610040J01Rik</i>	2.1009	0.2866	8.6835	0.003211027	0.020143658
<i>G530012D18Rik</i>	1.7485	-0.4880	8.6582	0.00325595	0.020349454
<i>Abcd2</i>	1.4688	5.4792	8.6563	0.003259351	0.02036488
<i>Aldh1a7</i>	1.3499	1.9881	8.6286	0.003309274	0.020635461
<i>Ppp1r3c</i>	1.5950	5.8872	8.6265	0.003313013	0.02065288
<i>Cd69</i>	1.2901	0.2816	8.5870	0.00338562	0.021009517
<i>Cldn2</i>	4.5652	-1.7834	8.5680	0.003421136	0.02118174
<i>Zeb2</i>	1.0521	5.6370	8.5673	0.003422611	0.021184863
<i>Rasgef1a</i>	1.3092	0.9874	8.5571	0.003441796	0.021276351
<i>Arsj</i>	1.4618	0.7401	8.5524	0.003450757	0.021298694
<i>Fbn2</i>	1.5802	0.6653	8.5421	0.003470345	0.02137066
<i>Knq2</i>	1.0777	1.0843	8.5368	0.003480331	0.021414628
<i>Ikzf3</i>	1.4510	-0.1660	8.4991	0.003553163	0.021758512
<i>Izumo1r</i>	3.7942	-2.0773	8.4975	0.003556406	0.02176616
<i>Zfand4</i>	2.1971	1.1179	8.4966	0.003558163	0.02177081
<i>Best1</i>	1.2475	0.9403	8.4882	0.003574594	0.02185909
<i>Foxf2</i>	2.4589	-1.4922	8.4870	0.003576944	0.021861949
<i>Col6a5</i>	1.1365	1.6520	8.4778	0.003595069	0.021959693
<i>Cacna1b</i>	2.7752	-1.5069	8.4772	0.00359633	0.021960536
<i>Vnn3</i>	1.5877	1.8927	8.4727	0.00360511	0.02199641
<i>Shroom1</i>	2.7970	-0.1831	8.4636	0.00362321	0.022088327
<i>C430049E01Rik</i>	3.0915	-1.7288	8.4532	0.003643993	0.022165512
<i>Ceacam16</i>	2.0933	-0.6058	8.4381	0.003674498	0.022325374
<i>Trim46</i>	1.1512	1.1747	8.4130	0.003725472	0.022560552
<i>Zwilch</i>	1.1899	2.3379	8.3937	0.003765177	0.02278835
<i>Mup2</i>	4.3819	-1.8626	8.3825	0.003788588	0.022904643
<i>Fbln2</i>	1.1789	7.0566	8.3722	0.003810031	0.022964327
<i>Chtf18</i>	1.2070	1.9133	8.3640	0.00382732	0.023049438
<i>Hbegf</i>	1.6713	5.5015	8.3563	0.003843497	0.023113388
<i>Clstn2</i>	1.5201	0.3720	8.3519	0.003852782	0.023148203
<i>Xab2</i>	1.3261	4.1155	8.3435	0.003870716	0.023214726
<i>Muc5ac</i>	3.8029	-2.0760	8.3355	0.003887703	0.023279634

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<i>Nrxn3</i>	4.3331	-1.8826	8.3250	0.003910218	0.023392611
<i>Uchl1</i>	4.5352	-1.8305	8.3086	0.003945672	0.023515688
<i>Fam71a</i>	4.2210	-1.9479	8.3050	0.003953637	0.023543878
<i>Kcnj9</i>	2.0399	-1.1929	8.3036	0.003956706	0.023555726
<i>Gm15448</i>	2.8239	-0.5368	8.2870	0.003993014	0.023694346
<i>Cldn17</i>	3.7941	-2.0773	8.2712	0.004027962	0.023841181
<i>Lrmda</i>	1.0320	1.0183	8.2474	0.004081149	0.024086389
<i>Hoga1</i>	1.5060	2.7257	8.2467	0.004082714	0.024089118
<i>Sik2</i>	1.1424	3.1263	8.2405	0.004096535	0.024151079
<i>Pag1</i>	1.0842	3.6630	8.2143	0.004156181	0.024456492
<i>Pcdhga3</i>	1.7107	-0.1916	8.2123	0.004160817	0.024477176
<i>Rgs1</i>	2.2604	-1.4721	8.1996	0.004189955	0.024608801
<i>Gdf3</i>	2.8691	-0.9016	8.1798	0.004235841	0.024831536
<i>Pbk</i>	1.2444	2.8370	8.1525	0.00430028	0.025135049
<i>Npr3</i>	1.4215	4.9179	8.1092	0.00440423	0.025617948
<i>Gm26558</i>	1.1766	0.3964	8.0749	0.004488259	0.02600403
<i>Cpsf4l</i>	2.9187	-0.3379	8.0701	0.0045002	0.026065239
<i>Cdhr2</i>	3.7835	-2.0785	8.0548	0.004538285	0.026224273
<i>Pah</i>	3.7873	-2.0781	8.0473	0.004557254	0.026306033
<i>St6galnac4</i>	1.3005	4.4871	8.0418	0.004571108	0.026344206
<i>Ccdc125</i>	1.3131	1.2019	8.0295	0.00460215	0.026474186
<i>Gm379</i>	3.8019	-2.0764	8.0197	0.004627144	0.026601079
<i>Gm4758</i>	3.8019	-2.0764	8.0197	0.004627144	0.026601079
<i>Gm14085</i>	1.3065	1.9868	8.0098	0.004652405	0.026699963
<i>Aunip</i>	1.2433	-0.2411	8.0003	0.004676982	0.026780904
<i>Hrasls5</i>	3.2113	-1.6780	7.9961	0.004687784	0.026815621
<i>Pcdhgb5</i>	1.3679	1.1636	7.9865	0.004712726	0.026918766
<i>Trf</i>	1.8206	8.8543	7.9684	0.004760222	0.02714744
<i>Ms4a2</i>	1.4102	1.8180	7.9406	0.004833768	0.02746642
<i>Ccr12</i>	1.2973	3.0298	7.9303	0.004861263	0.027572418
<i>Nup210l</i>	1.2640	-0.0258	7.9216	0.004884849	0.027684615
<i>Pcdh12</i>	2.7915	0.2921	7.9118	0.00491131	0.027811264
<i>Shcbp1</i>	1.0381	2.5224	7.8734	0.005016763	0.028278069
<i>Pinlyp</i>	1.3720	3.0819	7.8480	0.005087789	0.028611934
<i>Pcdhb7</i>	1.2900	0.3528	7.8263	0.005149082	0.028911939
<i>Donson</i>	1.1011	2.2655	7.8155	0.005179913	0.029055161
<i>Raet1e</i>	1.6281	-0.3061	7.8128	0.005187672	0.029080999
<i>Nog</i>	1.0690	1.9242	7.7886	0.005257578	0.029407685
<i>Hnf4a</i>	3.1023	-0.8152	7.7803	0.005281964	0.029483651
<i>Kcnj10</i>	2.4945	-1.6258	7.7591	0.005344274	0.029785767
<i>Slc1a2</i>	1.6806	-0.1171	7.7522	0.005364757	0.029877042
<i>Gm867</i>	3.1516	-1.4131	7.7491	0.00537391	0.029912756
<i>Pram1</i>	2.5006	2.0072	7.7443	0.005388137	0.029961391
<i>Gsdmc4</i>	1.9997	0.1011	7.7423	0.005394193	0.029979795
<i>Antxrl</i>	2.5498	-0.9214	7.6943	0.005539609	0.030678642
<i>Ctla4</i>	1.9057	-1.1053	7.6747	0.005600162	0.030959012
<i>Grip1</i>	1.6658	1.0391	7.6256	0.0057545	0.031671876
<i>Sdk1</i>	1.1465	3.4418	7.6108	0.0058019	0.031872492
<i>Prss27</i>	1.0637	3.8153	7.5918	0.005863288	0.032104698
<i>Klk1b11</i>	3.7709	-2.0794	7.5878	0.005876518	0.032156402
<i>Ltb</i>	1.4392	1.7356	7.5871	0.005878622	0.032156402
<i>Htr2a</i>	1.3621	-0.5762	7.5854	0.005884429	0.032172042
<i>Itgb8</i>	1.3506	2.6444	7.5720	0.005928114	0.032348901
<i>Apoc3</i>	3.9792	-2.0141	7.5587	0.005972234	0.032521786
<i>Rtp3</i>	1.1005	1.8631	7.5488	0.00600502	0.032675871
<i>Slc4a3</i>	1.0924	1.3306	7.5471	0.006010553	0.032697828
<i>Krt84</i>	2.1743	0.0649	7.5337	0.00605554	0.032868843
<i>Gm45717</i>	2.1565	-0.2657	7.5325	0.006059445	0.032873695
<i>Agxt</i>	4.1202	-1.9846	7.5223	0.006094134	0.033020861

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<i>Gm10130</i>	3.8143	-2.0756	7.5182	0.006107815	0.033070365
<i>Olfr466</i>	1.9523	-1.2709	7.5101	0.006135234	0.033185899
<i>Ccdc167</i>	1.0892	2.0181	7.4642	0.006293756	0.033808805
<i>Mrgprx2</i>	1.5383	1.5989	7.4573	0.006318067	0.033897695
<i>Pcdhb5</i>	1.1228	-0.1532	7.4538	0.006330347	0.033938557
<i>Slc13a3</i>	1.3672	-0.5779	7.4468	0.006354797	0.03404456
<i>Slc22a20</i>	4.1239	-1.9546	7.4387	0.006383639	0.03415716
<i>Asf1b</i>	1.0018	3.3703	7.4372	0.006388907	0.034176973
<i>Hcar1</i>	1.8011	2.4722	7.4332	0.006403163	0.034214079
<i>Glycam1</i>	5.0636	-1.5765	7.4319	0.006407658	0.034218588
<i>Prrt4</i>	1.0864	0.1848	7.4247	0.006433457	0.034314389
<i>Tusc5</i>	1.1913	5.1801	7.3298	0.006781944	0.035823038
<i>Cmpk2</i>	1.1057	2.4638	7.3191	0.006822629	0.035959635
<i>Il10</i>	1.8678	-0.8613	7.3183	0.006825434	0.035965738
<i>Cldn7</i>	2.7304	-0.1986	7.3040	0.006879965	0.036174497
<i>Ppm1e</i>	1.1343	-0.2344	7.2914	0.006928355	0.036332671
<i>Hdx</i>	1.9582	-1.2033	7.2898	0.006934682	0.036348389
<i>Vsig2</i>	1.0415	1.5903	7.2890	0.006937829	0.036356157
<i>Gpr173</i>	1.3276	-0.4580	7.2713	0.007006525	0.036576776
<i>Isg15</i>	1.3818	3.7689	7.2614	0.007045042	0.036732819
<i>Spata33</i>	1.1751	0.0925	7.2219	0.007201762	0.037380328
<i>Il23r</i>	1.9709	-1.4031	7.2057	0.007267298	0.037622098
<i>Dusp4</i>	1.2426	2.8351	7.2050	0.00727025	0.037628454
<i>Krt18</i>	2.5864	2.9984	7.1987	0.0072955	0.037741246
<i>Gphb5</i>	4.8110	-1.7209	7.1759	0.00738875	0.038160353
<i>Pxdc1</i>	1.3783	2.1850	7.1624	0.007444873	0.038386637
<i>Apol6</i>	1.0806	4.9749	7.1444	0.007519843	0.038672718
<i>1700012B07Rik</i>	3.7711	-2.0789	7.1150	0.007644206	0.039229117
<i>Tigit</i>	2.0589	-1.0359	7.1139	0.007648693	0.039242916
<i>Ifitm5</i>	1.3560	0.4515	7.1119	0.007657516	0.039269729
<i>Glis1</i>	2.2905	-0.7576	7.0995	0.007710606	0.039467817
<i>Folr1</i>	2.5394	-0.1052	7.0900	0.007751479	0.03964765
<i>Rasd1</i>	1.0237	3.9106	7.0750	0.00781656	0.039833282
<i>Pcdhb18</i>	1.3875	0.0548	7.0734	0.007823883	0.039842126
<i>Chil5</i>	2.8746	-0.6996	7.0704	0.00783659	0.03988217
<i>Reep2</i>	1.0128	0.3658	7.0598	0.007883466	0.040042799
<i>1700016H13Rik</i>	2.4065	-1.4524	7.0397	0.007972017	0.040389209
<i>4931406B18Rik</i>	1.8265	-1.1296	7.0341	0.007997053	0.040492333
<i>Scg5</i>	2.9649	-1.7798	7.0205	0.008058116	0.040712041
<i>Ces2c</i>	2.8066	-1.8361	7.0161	0.008078185	0.040785122
<i>B3galt5</i>	1.6663	-0.8687	7.0135	0.008089515	0.040823439
<i>Olfr1346</i>	3.5500	-2.1444	6.9838	0.008225111	0.041316703
<i>Pask</i>	1.1369	1.3716	6.9654	0.008309868	0.041665764
<i>Ppp1r3d</i>	1.0621	2.7183	6.9643	0.008315347	0.041683661
<i>Rnf207</i>	1.3552	-0.4574	6.9626	0.008322943	0.041702588
<i>Slc51b</i>	3.5444	-2.1459	6.9578	0.008345339	0.041745892
<i>S100a2</i>	3.5444	-2.1459	6.9578	0.008345339	0.041745892
<i>Ndc80</i>	1.0514	2.0263	6.9575	0.008346884	0.041745892
<i>6820408C15Rik</i>	3.5574	-2.1442	6.9549	0.008358793	0.041786307
<i>Oasl2</i>	1.5761	2.7851	6.9071	0.008585504	0.042684349
<i>Pdyn</i>	3.7576	-2.0798	6.9029	0.008605503	0.042745558
<i>Gm10306</i>	2.3690	-1.6755	6.8923	0.008656982	0.042962169
<i>Fam222a</i>	1.5902	-0.5283	6.8578	0.008825572	0.043669781
<i>Gm3448</i>	1.2779	0.1092	6.8227	0.009000799	0.044365874
<i>Pcdhb11</i>	1.0905	0.5024	6.8070	0.009080112	0.0446719
<i>Ms4a3</i>	3.6646	-2.1097	6.8065	0.009082705	0.0446719
<i>Tnfsf11</i>	2.1135	-0.7291	6.8006	0.009112609	0.044765384
<i>Foxi1</i>	4.7133	0.7174	6.7863	0.0091858	0.045043845
<i>Spata22</i>	3.5351	-2.1468	6.7767	0.009235573	0.045250033

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<i>Olf222</i>	3.5386	-2.1464	6.7748	0.009245305	0.045274621
<i>Gm6583</i>	3.5506	-2.1450	6.7692	0.009274223	0.045385688
<i>Fbp1</i>	1.6895	-0.4977	6.7664	0.009288972	0.045437496
<i>Hist1h2ah</i>	3.8188	-2.0730	6.7434	0.009409445	0.045893117
<i>Spdef</i>	3.2701	-1.6414	6.7347	0.009455621	0.046056594
<i>Ticam2</i>	1.0372	1.9936	6.7286	0.009487949	0.046177829
<i>Wee2</i>	4.1119	-1.9550	6.6942	0.009672476	0.046872324
<i>Fndc8</i>	1.4477	-0.7775	6.6829	0.009734256	0.047119411
<i>Kcnk1</i>	1.1560	1.1949	6.6818	0.009740049	0.047137
<i>Triqk</i>	1.0343	0.3244	6.6758	0.009773016	0.047223266
<i>Daam2</i>	3.5394	-2.1508	6.6729	0.009788852	0.047278856
<i>Erc2</i>	3.6082	-2.1253	6.6144	0.010115703	0.048535364
<i>Fgl1</i>	3.5242	-2.1545	6.6066	0.010160427	0.048728531
<i>4930555G01Rik</i>	3.7391	-2.1013	6.6059	0.010163965	0.048734797
<i>Gpr156</i>	1.9426	-0.1615	6.5967	0.010216973	0.04893522
<i>Cma1</i>	1.2382	6.0156	6.5955	0.010223744	0.048948518
<i>D13Ert608e</i>	3.5025	-2.1523	6.5753	0.010340312	0.049331152
<i>Gm10406</i>	3.5069	-2.1537	6.5737	0.010349793	0.049345839
<i>Cited1</i>	3.9313	1.2857	6.5734	0.010351665	0.049345839
<i>Madcam1</i>	2.1207	-1.5362	6.5557	0.010454586	0.049735031

Supplementary_Table_S4

Supplementary Table S4. The genes downregulated in the SSS samples compared with the NT controls

Gene	logFC	logCPM	LR	PValue	FDR
<i>4933427D14Rik</i>	-5.2391	0.2816	54.8263	1.3167E-13	1.1906E-11
<i>Rorc</i>	-1.3455	6.0386	52.9384	3.4418E-13	2.8899E-11
<i>Wnt10b</i>	-2.9178	2.5047	52.0807	5.3265E-13	4.3068E-11
<i>Satb1</i>	-1.2619	5.5994	48.2438	3.7638E-12	2.7298E-10
<i>Tmem45a2</i>	-3.3214	0.1891	46.9235	7.3813E-12	5.0515E-10
<i>Krtap3-3</i>	-3.1779	1.7101	46.7624	8.0134E-12	5.4499E-10
<i>Ccer2</i>	-2.9858	1.8896	46.6744	8.3815E-12	5.6825E-10
<i>Slc25a27</i>	-1.4346	3.8218	44.7700	2.216E-11	1.3861E-09
<i>Csrnp2</i>	-1.2997	4.2381	43.4383	4.3754E-11	2.6314E-09
<i>Cyb5r2</i>	-2.1565	2.2618	42.8518	5.9047E-11	3.522E-09
<i>Scgb1a1</i>	-3.5440	1.2279	42.2616	7.9843E-11	4.7237E-09
<i>Bmp4</i>	-1.6308	4.0981	42.1515	8.447E-11	4.9705E-09
<i>Pick1</i>	-1.0835	5.0150	41.0713	1.4678E-10	8.1951E-09
<i>Tmem177</i>	-1.8080	4.6565	40.3297	2.1453E-10	1.1708E-08
<i>Calcoco1</i>	-1.2109	7.0061	39.4388	3.385E-10	1.7936E-08
<i>Dyrk1b</i>	-1.4797	5.6700	38.7624	4.7867E-10	2.453E-08
<i>Cbx7</i>	-1.6378	5.5652	38.7556	4.8032E-10	2.4557E-08
<i>Axin2</i>	-1.5406	4.9208	38.4489	5.6205E-10	2.8078E-08
<i>Arrdc3</i>	-1.2162	7.2773	38.1097	6.6876E-10	3.3333E-08
<i>Pik3ip1</i>	-1.6332	5.3991	37.4791	9.2399E-10	4.4826E-08
<i>Snx21</i>	-1.3054	4.8278	37.1300	1.1051E-09	5.2562E-08
<i>Tfap2b</i>	-1.3047	4.8892	36.9594	1.2062E-09	5.6145E-08
<i>Ppfibp2</i>	-1.3830	5.8148	36.3979	1.6088E-09	7.3785E-08
<i>Homer2</i>	-1.3586	5.2486	35.9221	2.0536E-09	9.2059E-08
<i>Sox6</i>	-1.2009	5.5125	35.7331	2.2629E-09	1.0021E-07
<i>Fam171b</i>	-1.6564	2.5253	35.6843	2.3203E-09	1.0254E-07
<i>Tfap2e</i>	-2.0473	3.3202	35.6476	2.3644E-09	1.0407E-07
<i>Retnla</i>	-1.7570	7.6261	35.2876	2.8444E-09	1.2248E-07
<i>Arrdc2</i>	-1.3586	4.1782	35.1613	3.035E-09	1.2992E-07
<i>Fam214a</i>	-1.3222	5.9363	34.6034	4.0419E-09	1.657E-07
<i>Eps8l3</i>	-1.7165	2.9613	34.1002	5.2345E-09	2.1123E-07
<i>Ulk1</i>	-1.0727	6.8763	33.9261	5.7245E-09	2.2805E-07
<i>Zranb1</i>	-1.0446	6.6199	33.7560	6.2477E-09	2.4664E-07
<i>Ephx1</i>	-1.1368	5.9110	33.6093	6.7369E-09	2.6357E-07
<i>Camk2n1</i>	-1.2693	3.6410	33.3883	7.5478E-09	2.9112E-07
<i>Syng1</i>	-1.2378	4.5280	32.9798	9.3121E-09	3.505E-07
<i>Slc17a8</i>	-2.4223	1.4480	32.9394	9.5078E-09	3.5603E-07
<i>Trim7</i>	-1.7527	5.7053	32.8092	1.0166E-08	3.782E-07
<i>Fgfr2</i>	-1.3438	6.0283	32.3182	1.3088E-08	4.7543E-07
<i>Osbp2</i>	-2.0479	1.7610	31.4095	2.0896E-08	7.2179E-07
<i>Ypel3</i>	-1.0495	6.9393	31.2205	2.3033E-08	7.8444E-07
<i>Plcd3</i>	-1.0971	4.4217	31.1445	2.3951E-08	8.1205E-07
<i>Slc37a1</i>	-1.6490	3.5040	31.0379	2.5304E-08	8.5381E-07
<i>Gm10036</i>	-5.1929	2.0616	30.8290	2.818E-08	9.4212E-07
<i>Arl4d</i>	-1.1657	5.0655	30.6822	3.0395E-08	1.0054E-06
<i>Nuak1</i>	-1.6373	5.6196	30.6088	3.1566E-08	1.041E-06
<i>Krba1</i>	-1.1333	5.4053	30.5212	3.3023E-08	1.0841E-06
<i>Hdac11</i>	-1.3423	4.1429	30.4982	3.3417E-08	1.0954E-06
<i>Cyp27a1</i>	-1.2144	4.7023	30.3744	3.562E-08	1.1589E-06
<i>Il34</i>	-1.7769	5.5178	30.3509	3.6053E-08	1.1678E-06
<i>Igfbp3</i>	-1.4554	7.4836	30.1904	3.9164E-08	1.2611E-06
<i>Ptpn14</i>	-1.6249	6.9151	29.9476	4.4389E-08	1.4209E-06
<i>Syne2</i>	-1.1858	6.6994	29.8984	4.553E-08	1.451E-06
<i>Gm973</i>	-2.2467	2.3787	29.8645	4.6333E-08	1.4745E-06
<i>Col4a6</i>	-2.0573	4.5500	29.6148	5.27E-08	1.6602E-06
<i>Fn3k</i>	-2.0160	2.1353	29.3901	5.918E-08	1.8449E-06
<i>Klhl33</i>	-3.1400	4.7723	29.2175	6.4691E-08	2.0004E-06
<i>Ago4</i>	-1.3348	4.9066	28.7493	8.2379E-08	2.4874E-06
<i>Tnk2</i>	-1.1134	6.9585	28.7382	8.2855E-08	2.4949E-06
<i>D7Ertd443e</i>	-2.0418	3.3024	28.6894	8.4966E-08	2.555E-06
<i>Fbrsl1</i>	-1.0478	5.3162	28.6454	8.6919E-08	2.6101E-06

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<i>Chmp4c</i>	-1.1502	5.4312	28.5738	9.0196E-08	2.6974E-06
<i>Cnst</i>	-1.0961	5.9179	28.5429	9.1647E-08	2.7348E-06
<i>Acot2</i>	-1.2260	4.4511	28.1186	1.141E-07	3.3302E-06
<i>Fry</i>	-1.0932	6.0027	28.0450	1.1853E-07	3.4273E-06
<i>Thap3</i>	-1.1515	4.3545	27.8008	1.3447E-07	3.8474E-06
<i>Nyap1</i>	-1.8930	2.6784	27.7811	1.3585E-07	3.8818E-06
<i>Sh2d4a</i>	-1.3776	4.4879	27.6563	1.449E-07	4.1189E-06
<i>Wdr45</i>	-1.0579	5.5977	27.6261	1.4718E-07	4.1783E-06
<i>Lysmd1</i>	-1.5565	5.0767	27.4417	1.619E-07	4.5605E-06
<i>Ascl2</i>	-2.1046	2.9289	27.0061	2.0281E-07	5.5553E-06
<i>Camkk1</i>	-1.5133	4.8373	26.9115	2.1299E-07	5.7978E-06
<i>Spag11b</i>	-5.7431	-1.0900	26.8384	2.212E-07	5.9987E-06
<i>Fhdc1</i>	-1.6223	6.3031	26.7927	2.2649E-07	6.1271E-06
<i>Gpha2</i>	-2.8984	0.1540	26.5697	2.5419E-07	6.7923E-06
<i>Ppp1r13b</i>	-1.1130	5.4232	26.4146	2.7545E-07	7.2538E-06
<i>Edaradd</i>	-1.5823	3.8487	26.3434	2.8579E-07	7.49E-06
<i>Bco1</i>	-2.3410	1.2693	26.2993	2.9239E-07	7.6354E-06
<i>Dlg3</i>	-1.2029	3.8818	26.2055	3.0695E-07	7.9489E-06
<i>Ufsp1</i>	-1.4580	3.6620	26.2021	3.0749E-07	7.9537E-06
<i>Kazald1</i>	-2.5142	1.8165	26.1512	3.157E-07	8.1275E-06
<i>Dst</i>	-1.2188	9.3465	26.1260	3.1984E-07	8.2146E-06
<i>Rab3a</i>	-1.1550	3.9967	25.9746	3.4594E-07	8.8331E-06
<i>Prodh</i>	-1.2503	5.0261	25.7657	3.8548E-07	9.8083E-06
<i>Ninl</i>	-1.4389	2.5217	25.6764	4.0373E-07	1.0237E-05
<i>Kctd15</i>	-1.3414	6.5693	25.5267	4.363E-07	1.0973E-05
<i>Paqr7</i>	-1.5268	5.1961	25.4781	4.4744E-07	1.1211E-05
<i>Slc25a42</i>	-1.0503	5.3053	25.4147	4.6239E-07	1.155E-05
<i>Ccna1</i>	-4.3141	-0.9103	25.3875	4.6894E-07	1.1687E-05
<i>Fam189a2</i>	-1.1385	5.4382	25.3256	4.8424E-07	1.2027E-05
<i>Ccl27a</i>	-1.9070	5.5973	25.3015	4.9034E-07	1.2164E-05
<i>Rnf43</i>	-1.2881	3.8109	25.2632	5.0015E-07	1.2366E-05
<i>Nipal3</i>	-1.2978	4.6060	25.2535	5.0268E-07	1.2414E-05
<i>Lgr6</i>	-1.6015	5.1025	25.1795	5.2235E-07	1.2842E-05
<i>Kcnu1</i>	-1.9910	1.1985	25.1655	5.2616E-07	1.2921E-05
<i>Col23a1</i>	-1.1339	5.4588	25.1047	5.4299E-07	1.3276E-05
<i>Mtss1l</i>	-1.2873	5.6921	25.1045	5.4306E-07	1.3276E-05
<i>Ln timer</i>	-1.5115	4.3534	25.1023	5.4368E-07	1.3276E-05
<i>Rgmb</i>	-1.3472	5.8936	25.0561	5.5687E-07	1.3553E-05
<i>Ccdc3</i>	-1.4608	5.2566	25.0222	5.6674E-07	1.3763E-05
<i>Mycl</i>	-1.7954	5.2494	24.9929	5.7541E-07	1.3958E-05
<i>Gmpr</i>	-2.2331	6.1187	24.9407	5.912E-07	1.4293E-05
<i>Ahn timer</i>	-1.9687	8.0596	24.9334	5.9345E-07	1.4332E-05
<i>Spns2</i>	-1.3642	7.4218	24.9037	6.0266E-07	1.4513E-05
<i>2210011C24Rik</i>	-1.9206	0.7187	24.8504	6.1956E-07	1.488E-05
<i>Thra</i>	-1.0414	6.3972	24.7754	6.4414E-07	1.5398E-05
<i>Hlf</i>	-1.9005	5.3968	24.7486	6.5317E-07	1.555E-05
<i>Pyy</i>	-3.7276	1.1493	24.7427	6.5518E-07	1.5581E-05
<i>Rab11fip4</i>	-2.0616	6.4407	24.6071	7.0294E-07	1.6554E-05
<i>Cbs</i>	-2.5585	4.0228	24.5186	7.3595E-07	1.722E-05
<i>Prob1</i>	-1.1970	5.9763	24.4847	7.4904E-07	1.7482E-05
<i>Ptpn21</i>	-1.0224	4.8193	24.4834	7.4952E-07	1.7482E-05
<i>Sh3rf2</i>	-1.6345	5.9161	24.4600	7.587E-07	1.7654E-05
<i>Nfix</i>	-1.0899	7.9820	24.4295	7.7081E-07	1.7883E-05
<i>Zfp949</i>	-1.2460	6.6625	24.3755	7.927E-07	1.8371E-05
<i>Ramp1</i>	-1.1925	5.0113	24.3282	8.1243E-07	1.8788E-05
<i>Zfp219</i>	-1.0970	5.8950	24.2996	8.2454E-07	1.9048E-05
<i>Gpr37</i>	-1.7108	1.8435	24.2728	8.3612E-07	1.9243E-05
<i>H2afv</i>	-1.0297	5.2145	24.2417	8.4974E-07	1.9527E-05
<i>Pdzd7</i>	-2.1980	0.8360	24.2255	8.5688E-07	1.965E-05
<i>Nhs1l</i>	-1.3749	6.3363	24.1318	8.9962E-07	2.0522E-05
<i>Bcl2l14</i>	-2.0740	1.7385	24.1200	9.0517E-07	2.0627E-05
<i>Slc16a9</i>	-1.3642	3.5614	23.9356	9.9611E-07	2.2419E-05
<i>Cdc42bpg</i>	-1.3123	7.2797	23.9231	1.0026E-06	2.2542E-05

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<i>Hdac5</i>	-1.1500	6.5968	23.9104	1.0092E-06	2.2667E-05
<i>Adamts14</i>	-1.6730	5.3089	23.6658	1.146E-06	2.5582E-05
<i>Slc38a3</i>	-1.6930	4.1772	23.5873	1.1937E-06	2.6414E-05
<i>Kif21a</i>	-1.5561	7.3282	23.4688	1.2695E-06	2.7939E-05
<i>Micu1</i>	-1.0764	6.8387	23.3049	1.3825E-06	3.0241E-05
<i>Otop2</i>	-3.0994	0.0264	23.2404	1.4297E-06	3.1211E-05
<i>Necab3</i>	-2.2456	0.1222	23.1994	1.4605E-06	3.1851E-05
<i>BC024139</i>	-2.1546	0.5332	23.1123	1.5281E-06	3.3063E-05
<i>Cyp39a1</i>	-1.2727	3.7018	23.0949	1.542E-06	3.3317E-05
<i>Hpgds</i>	-1.2088	6.2220	23.0918	1.5445E-06	3.3317E-05
<i>Olfir1505</i>	-2.5423	1.6106	23.0505	1.578E-06	3.3943E-05
<i>Klhdc8b</i>	-1.3114	3.4462	23.0503	1.5781E-06	3.3943E-05
<i>Rtn4r</i>	-1.8535	3.2149	22.9688	1.6465E-06	3.5275E-05
<i>Frem2</i>	-1.7465	2.7555	22.9576	1.6561E-06	3.5446E-05
<i>Abtb1</i>	-1.1804	4.6793	22.9235	1.6858E-06	3.6009E-05
<i>Foxn3</i>	-1.1915	6.9572	22.8860	1.719E-06	3.6647E-05
<i>Efna3</i>	-1.5720	6.6975	22.8040	1.7939E-06	3.8133E-05
<i>Ldb1</i>	-1.0171	7.2590	22.7892	1.8078E-06	3.839E-05
<i>Cib2</i>	-1.0760	5.8823	22.7680	1.8278E-06	3.8699E-05
<i>Gata3</i>	-1.8548	7.5001	22.7664	1.8294E-06	3.8699E-05
<i>Vipr1</i>	-2.0750	3.8335	22.7572	1.8382E-06	3.8847E-05
<i>Epha5</i>	-1.7086	1.5490	22.7309	1.8635E-06	3.9305E-05
<i>Efs</i>	-1.3395	5.9507	22.5998	1.995E-06	4.1638E-05
<i>Trpv6</i>	-1.5823	3.0832	22.3816	2.235E-06	4.5901E-05
<i>Tbc1d16</i>	-1.0672	5.0004	22.1053	2.581E-06	5.2269E-05
<i>Fbp2</i>	-1.3923	6.2618	22.0670	2.6329E-06	5.3222E-05
<i>Slc37a4</i>	-1.2306	4.7565	22.0645	2.6364E-06	5.3234E-05
<i>Ache</i>	-1.6623	4.8381	22.0630	2.6384E-06	5.3234E-05
<i>Wnk2</i>	-1.6062	6.8428	22.0228	2.6943E-06	5.4312E-05
<i>Rspo3</i>	-2.4426	1.4507	21.9534	2.7936E-06	5.5951E-05
<i>Tnnt2</i>	-1.6646	3.0767	21.9510	2.797E-06	5.5969E-05
<i>Chst3</i>	-1.3945	1.9736	21.9454	2.8051E-06	5.6028E-05
<i>Itpkb</i>	-1.1473	7.3234	21.8086	3.0125E-06	5.995E-05
<i>Gpr155</i>	-1.0313	4.1588	21.7471	3.1106E-06	6.1545E-05
<i>Ccnd2</i>	-1.1290	7.1503	21.7329	3.1338E-06	6.178E-05
<i>Phyhip</i>	-1.4711	6.3571	21.6513	3.2699E-06	6.4194E-05
<i>Cachd1</i>	-1.0475	4.8631	21.6345	3.2987E-06	6.4592E-05
<i>Fam83f</i>	-1.4044	5.5652	21.5743	3.4037E-06	6.6464E-05
<i>Rdm1</i>	-1.1310	3.6182	21.5562	3.4361E-06	6.6977E-05
<i>Lmbr1l</i>	-1.0446	5.3687	21.4586	3.6155E-06	7.016E-05
<i>Cyp2j9</i>	-1.3897	3.0471	21.4190	3.691E-06	7.1497E-05
<i>Exph5</i>	-1.5693	4.1705	21.3783	3.7702E-06	7.2903E-05
<i>Pkib</i>	-1.7278	4.6279	21.3453	3.8356E-06	7.397E-05
<i>Rec8</i>	-2.0710	0.8741	21.3425	3.8412E-06	7.4014E-05
<i>Spry1</i>	-1.3595	5.8479	21.3211	3.8844E-06	7.4779E-05
<i>Pou4f3</i>	-5.1940	-1.4193	21.3166	3.8935E-06	7.4889E-05
<i>Car14</i>	-1.1003	3.4280	21.3003	3.9267E-06	7.5394E-05
<i>Vsig10l</i>	-1.2810	5.7368	21.2849	3.9584E-06	7.5804E-05
<i>Tmem35a</i>	-1.7807	2.3656	21.2364	4.0599E-06	7.7475E-05
<i>Crlf1</i>	-1.5477	4.5085	21.1809	4.179E-06	7.9401E-05
<i>Mcf2l</i>	-1.0137	5.0746	21.1595	4.226E-06	8.0154E-05
<i>Ccdc27</i>	-2.2018	1.0290	21.1548	4.2364E-06	8.028E-05
<i>Cttnbp2</i>	-2.0470	4.6949	21.1193	4.3157E-06	8.1291E-05
<i>Trat1</i>	-1.7253	0.8580	21.0754	4.4155E-06	8.3028E-05
<i>Rasgrp1</i>	-1.4026	4.4989	21.0457	4.4846E-06	8.411E-05
<i>Mblac2</i>	-1.0435	3.4793	20.9571	4.6969E-06	8.779E-05
<i>Plekhn1</i>	-1.4350	7.3026	20.9404	4.738E-06	8.8405E-05
<i>Ucn2</i>	-1.7121	2.9618	20.9276	4.7697E-06	8.8921E-05
<i>Plch2</i>	-1.0556	6.3887	20.8436	4.9835E-06	9.274E-05
<i>Il1f10</i>	-2.4843	3.4261	20.8356	5.0044E-06	9.298E-05
<i>Myh14</i>	-1.2082	6.9290	20.7910	5.1224E-06	9.4608E-05
<i>Cited4</i>	-1.7478	5.4582	20.7889	5.1279E-06	9.463E-05
<i>Tmc3</i>	-1.4027	2.0466	20.7870	5.1331E-06	9.4647E-05

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<i>Nkg7</i>	-1.8599	2.1150	20.7072	5.3515E-06	9.8175E-05
<i>Rtn2</i>	-1.5113	8.0498	20.7044	5.3594E-06	9.8237E-05
<i>Cacna1e</i>	-1.6133	3.2803	20.7024	5.365E-06	9.8257E-05
<i>C2cd2</i>	-1.0571	7.4418	20.5847	5.705E-06	0.00010405
<i>Bpgm</i>	-1.0817	4.9998	20.5339	5.8585E-06	0.00010649
<i>Tfdp2</i>	-1.1091	5.1528	20.5160	5.9136E-06	0.00010731
<i>Pramef12</i>	-2.2754	1.0913	20.5033	5.9528E-06	0.00010785
<i>Cd82</i>	-1.2752	7.1826	20.4551	6.1047E-06	0.00011042
<i>Mlycd</i>	-1.1270	5.9277	20.3861	6.3287E-06	0.0001139
<i>Cdkn2b</i>	-1.3812	3.5400	20.3427	6.4739E-06	0.00011632
<i>Kcna2</i>	-1.4581	2.4313	20.3354	6.4986E-06	0.00011667
<i>Arhgef19</i>	-1.3823	4.0026	20.2567	6.7715E-06	0.00012107
<i>Tmem159</i>	-1.0288	4.6142	20.2136	6.9258E-06	0.00012353
<i>Foxo4</i>	-1.0323	6.4046	20.1999	6.9758E-06	0.00012414
<i>Jag2</i>	-1.0356	7.4158	20.1967	6.9872E-06	0.00012418
<i>Chat</i>	-1.5595	0.8900	20.1957	6.991E-06	0.00012418
<i>Chac1</i>	-1.5233	5.4167	20.1317	7.2287E-06	0.00012778
<i>Tiam1</i>	-1.0852	7.4882	20.1223	7.2645E-06	0.00012831
<i>Gpr165</i>	-5.2500	-1.3855	20.0569	7.5171E-06	0.00013192
<i>Zfp827</i>	-1.3497	2.7814	20.0397	7.5851E-06	0.00013279
<i>Sowaha</i>	-2.4030	-0.3269	19.9778	7.8347E-06	0.00013661
<i>Gm2115</i>	-2.7792	0.8509	19.9396	7.9929E-06	0.00013926
<i>Clca3a1</i>	-1.4591	4.6773	19.9295	8.035E-06	0.00013977
<i>Trp53bp2</i>	-1.0549	5.7590	19.8892	8.2061E-06	0.00014263
<i>Pamr1</i>	-1.2138	4.2458	19.8673	8.3009E-06	0.00014417
<i>Foxo6</i>	-1.7743	1.7205	19.8639	8.3157E-06	0.00014431
<i>Krt36</i>	-2.5229	1.6684	19.8195	8.5109E-06	0.00014737
<i>Trim66</i>	-2.2041	1.2518	19.6547	9.2775E-06	0.00015937
<i>Nectin3</i>	-1.4869	5.4677	19.6464	9.3178E-06	0.00015992
<i>Pard6b</i>	-1.1002	3.7617	19.6449	9.3253E-06	0.00015992
<i>Itgb1bp2</i>	-1.3562	5.6909	19.6421	9.3387E-06	0.00016003
<i>Syne1</i>	-1.0413	6.0139	19.5570	9.7644E-06	0.0001663
<i>Nipsnap1</i>	-1.0324	2.8392	19.5567	9.766E-06	0.0001663
<i>Dzip1</i>	-1.3603	4.1938	19.4784	1.0174E-05	0.00017245
<i>Dnaaf1</i>	-1.3871	2.3610	19.4525	1.0313E-05	0.00017426
<i>Col7a1</i>	-1.5011	6.7365	19.4488	1.0333E-05	0.00017447
<i>Wdr47</i>	-1.3335	5.4739	19.4427	1.0366E-05	0.00017489
<i>2510002D24Rik</i>	-1.0676	3.8465	19.3890	1.0662E-05	0.00017932
<i>Ccdc28a</i>	-1.1185	3.5181	19.3256	1.1022E-05	0.0001848
<i>Baiap2l2</i>	-1.8185	1.5312	19.2583	1.1417E-05	0.0001902
<i>Tmem38a</i>	-1.3719	8.4925	19.2220	1.1637E-05	0.00019333
<i>Ephb6</i>	-1.5671	7.1925	19.1858	1.1859E-05	0.00019644
<i>Foxq1</i>	-1.6043	3.0209	19.1786	1.1904E-05	0.00019688
<i>Arvcf</i>	-1.1595	4.9329	19.1675	1.1973E-05	0.00019775
<i>Mpz</i>	-1.1918	5.5145	19.1631	1.2001E-05	0.00019803
<i>Abca4</i>	-1.6839	0.9064	19.0836	1.2512E-05	0.00020614
<i>Dsg2</i>	-1.3174	5.0080	18.9792	1.3215E-05	0.00021627
<i>Mreg</i>	-1.1002	6.1666	18.9655	1.3311E-05	0.00021702
<i>Ccl24</i>	-1.5742	2.8654	18.9356	1.352E-05	0.00021978
<i>Abcc5</i>	-1.2179	4.8733	18.7954	1.4552E-05	0.0002348
<i>Atp2b4</i>	-1.2719	7.5535	18.7853	1.4629E-05	0.0002357
<i>6430573F11Rik</i>	-1.5594	1.2224	18.7685	1.4758E-05	0.00023708
<i>Asb2</i>	-1.2403	6.4143	18.7371	1.5003E-05	0.00024013
<i>Nt5c3</i>	-1.1049	6.7816	18.6555	1.5659E-05	0.0002488
<i>St8sia1</i>	-1.6347	2.0252	18.6494	1.571E-05	0.00024943
<i>3425401B19Rik</i>	-1.8153	7.6688	18.6421	1.577E-05	0.0002502
<i>Vamp5</i>	-1.2503	5.1239	18.5909	1.6199E-05	0.0002559
<i>Lhx2</i>	-1.0001	3.1020	18.5734	1.6349E-05	0.00025788
<i>Sult5a1</i>	-1.6202	4.3445	18.5651	1.642E-05	0.00025882
<i>Tcap</i>	-1.9024	10.1511	18.5443	1.66E-05	0.00026109
<i>Arl4a</i>	-1.0682	6.4139	18.5414	1.6625E-05	0.0002613
<i>Mcc</i>	-1.2646	4.9343	18.5256	1.6763E-05	0.00026301
<i>Gm10638</i>	-1.7598	0.6562	18.5023	1.697E-05	0.00026538

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<i>Stk10</i>	-1.0942	5.5598	18.5009	1.6982E-05	0.00026538
<i>Hoxa5</i>	-1.3063	4.0972	18.4944	1.704E-05	0.00026591
<i>Egfl6</i>	-1.1772	2.0878	18.4689	1.727E-05	0.00026911
<i>Gstm1</i>	-1.0786	7.1242	18.3406	1.8473E-05	0.00028622
<i>Ccdc24</i>	-1.4226	4.6731	18.3201	1.8673E-05	0.0002887
<i>P2rx2</i>	-2.4992	3.7927	18.2699	1.9171E-05	0.00029577
<i>Col20a1</i>	-1.0207	3.5096	18.2473	1.94E-05	0.00029867
<i>Krt12</i>	-2.2697	0.4516	18.2322	1.9554E-05	0.00030063
<i>Gan</i>	-1.6551	7.7422	18.2236	1.9643E-05	0.00030156
<i>Capn13</i>	-5.1251	-1.4593	18.2218	1.9661E-05	0.00030163
<i>Ano7</i>	-1.8695	5.2501	18.2185	1.9696E-05	0.0003018
<i>Rab3b</i>	-2.4334	0.3534	18.2127	1.9756E-05	0.00030223
<i>1700028P14Rik</i>	-3.0849	-0.3473	18.1659	2.0248E-05	0.00030825
<i>Cbx4</i>	-1.0114	5.3366	18.0969	2.0994E-05	0.00031828
<i>Rbl2</i>	-1.0679	5.9211	18.0847	2.1129E-05	0.0003201
<i>Lrig3</i>	-1.0193	4.8916	18.0234	2.1821E-05	0.00032944
<i>Dbp</i>	-1.1636	5.7202	17.9436	2.2755E-05	0.00034189
<i>2010107G23Rik</i>	-1.2122	4.1327	17.9324	2.2889E-05	0.00034295
<i>Arhgef28</i>	-1.1674	4.5844	17.9036	2.3238E-05	0.0003477
<i>Hoxa3</i>	-1.0577	2.7432	17.8961	2.333E-05	0.00034884
<i>Tgm7</i>	-2.4056	2.3501	17.8467	2.3943E-05	0.0003568
<i>Map7</i>	-1.0120	5.6985	17.8157	2.4336E-05	0.00036142
<i>Lin7b</i>	-2.4998	0.9481	17.7686	2.4946E-05	0.00036947
<i>Magix</i>	-1.8074	2.3478	17.6488	2.6568E-05	0.00039124
<i>Npy1r</i>	-1.3816	3.5132	17.6389	2.6707E-05	0.00039236
<i>Sh3d21</i>	-1.6092	5.2555	17.5815	2.7526E-05	0.00040357
<i>Rnf39</i>	-1.3884	6.1411	17.5627	2.7799E-05	0.00040703
<i>Plb1</i>	-1.8032	3.3518	17.5345	2.8214E-05	0.000412
<i>Marveld3</i>	-1.2005	3.1395	17.4601	2.934E-05	0.00042649
<i>Coro6</i>	-1.3156	6.6588	17.3777	3.0641E-05	0.00044182
<i>Camsap3</i>	-1.2644	6.0679	17.3553	3.1003E-05	0.00044675
<i>Dgcr6</i>	-1.2646	5.1057	17.3004	3.1912E-05	0.00045803
<i>Slc2a12</i>	-1.6015	4.8649	17.2978	3.1955E-05	0.00045835
<i>Ppp1r1a</i>	-1.2585	4.6879	17.2690	3.2443E-05	0.00046413
<i>Bicdl2</i>	-1.7098	5.4915	17.1940	3.375E-05	0.00048219
<i>Wipf3</i>	-1.0654	4.6912	17.1658	3.4255E-05	0.00048877
<i>Cyp4f37</i>	-2.3544	2.2564	17.1580	3.4397E-05	0.00048978
<i>Phldb3</i>	-1.5931	5.5137	17.1379	3.4761E-05	0.00049374
<i>Rhbg</i>	-1.5522	4.8423	17.1001	3.5461E-05	0.00050237
<i>Adgra3</i>	-1.5479	6.7585	17.0866	3.5714E-05	0.00050563
<i>Il6ra</i>	-1.0153	7.1573	17.0176	3.7035E-05	0.00052296
<i>H2-M5</i>	-1.8752	1.0214	17.0019	3.7343E-05	0.00052629
<i>Itpr2</i>	-1.0520	6.0667	16.9791	3.7794E-05	0.00053231
<i>Ccdc36</i>	-1.9310	0.0985	16.9681	3.8013E-05	0.00053505
<i>Trim2</i>	-1.5537	6.3338	16.9516	3.8346E-05	0.00053938
<i>Mn1</i>	-1.2642	5.4300	16.9451	3.8476E-05	0.00054087
<i>Itpr3</i>	-1.3627	8.4278	16.8930	3.9548E-05	0.00055415
<i>Pik3r2</i>	-1.0545	6.4206	16.8359	4.0755E-05	0.00056815
<i>Mss51</i>	-2.0610	3.2917	16.8021	4.1488E-05	0.0005769
<i>Cgn</i>	-1.6889	6.6991	16.8004	4.1524E-05	0.00057702
<i>Tnfrsf8l3</i>	-1.7336	3.2943	16.7736	4.2115E-05	0.00058486
<i>Gal3st1</i>	-2.2313	4.4362	16.7390	4.289E-05	0.0005945
<i>Cfap100</i>	-2.0970	0.1084	16.7282	4.3135E-05	0.00059709
<i>Rassf7</i>	-1.3213	5.6755	16.6951	4.3894E-05	0.00060649
<i>Plekha5</i>	-1.0650	5.3108	16.6609	4.4694E-05	0.00061597
<i>Rarg</i>	-1.0918	7.4831	16.6456	4.5055E-05	0.00061861
<i>Klhdc1</i>	-1.2236	4.0472	16.5979	4.6202E-05	0.00063317
<i>Fam131a</i>	-1.1323	3.2748	16.5901	4.6392E-05	0.00063497
<i>Slc8a3</i>	-1.4892	5.1019	16.5878	4.6449E-05	0.00063535
<i>Gm3045</i>	-2.2910	0.1535	16.5325	4.7823E-05	0.00065334
<i>Trdn</i>	-1.5476	8.0081	16.5062	4.849E-05	0.00066162
<i>Col8a2</i>	-1.1438	2.4701	16.5012	4.8619E-05	0.00066296
<i>Peli3</i>	-1.0842	2.7361	16.4989	4.868E-05	0.00066337

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<i>Ube2d1</i>	-1.1542	6.0287	16.4820	4.9115E-05	0.00066764
<i>Cobl</i>	-1.5229	7.2655	16.4557	4.98E-05	0.00067569
<i>Scn8a</i>	-1.6054	1.1686	16.4377	5.0275E-05	0.00068045
<i>Wdyh1</i>	-1.0423	4.1380	16.4206	5.0731E-05	0.00068577
<i>Lrrc46</i>	-3.5594	-0.8795	16.3988	5.1317E-05	0.00069283
<i>Rapgef1</i>	-1.4281	7.0399	16.3856	5.1677E-05	0.00069683
<i>Ddr1</i>	-1.0766	7.3805	16.3690	5.213E-05	0.0007025
<i>Pdk2</i>	-1.2113	7.8713	16.3578	5.2439E-05	0.00070584
<i>Comp</i>	-1.5905	0.7900	16.3455	5.2781E-05	0.00070909
<i>Kcng4</i>	-2.1244	0.8342	16.3151	5.3635E-05	0.00071923
<i>Themis</i>	-2.9156	0.2431	16.3058	5.3899E-05	0.00072189
<i>Arhgef26</i>	-1.2851	3.8892	16.2859	5.4467E-05	0.00072816
<i>Lrp2bp</i>	-2.3990	2.0057	16.2836	5.4535E-05	0.00072861
<i>Sgca</i>	-1.2099	6.3690	16.2583	5.5268E-05	0.0007366
<i>2310007B03Rik</i>	-1.5973	4.2391	16.2452	5.5651E-05	0.00074045
<i>Myoz1</i>	-1.4556	9.1401	16.2247	5.6256E-05	0.00074795
<i>Tnfrsf25</i>	-1.3307	2.5585	16.2210	5.6367E-05	0.00074896
<i>Gm5127</i>	-1.6134	1.4655	16.1563	5.8324E-05	0.00077234
<i>Gjc2</i>	-1.9303	1.3942	16.1558	5.8339E-05	0.00077234
<i>Prf1</i>	-1.7947	2.7266	16.1512	5.8483E-05	0.00077378
<i>Krt27</i>	-5.1182	-1.4609	16.1446	5.8686E-05	0.000776
<i>Srgap2</i>	-1.0456	6.7060	16.1270	5.9232E-05	0.00078228
<i>Ciart</i>	-1.1453	3.5948	16.0548	6.1535E-05	0.00080892
<i>Slc23a1</i>	-1.6291	1.1535	16.0405	6.2002E-05	0.00081246
<i>A930018M24Rik</i>	-2.7518	3.4870	16.0123	6.2932E-05	0.00082316
<i>Lpar3</i>	-1.4111	2.7279	15.9992	6.3371E-05	0.00082841
<i>Zfp775</i>	-1.1057	3.2858	15.9969	6.3447E-05	0.00082891
<i>Ralgps2</i>	-1.1255	5.2082	15.9723	6.4278E-05	0.00083926
<i>Cd247</i>	-1.0142	3.2767	15.9609	6.4665E-05	0.00084332
<i>Fzd10</i>	-1.0869	5.1364	15.9448	6.5217E-05	0.00084949
<i>Igsf9</i>	-1.2488	4.9146	15.9427	6.5288E-05	0.00084991
<i>Zc3h6</i>	-1.0228	3.1271	15.9374	6.5471E-05	0.00085179
<i>Ifnlr1</i>	-1.1573	4.6120	15.9227	6.5984E-05	0.00085693
<i>Vangl2</i>	-1.1849	5.0969	15.8832	6.7376E-05	0.00087241
<i>Slc6a4</i>	-1.0589	5.0221	15.8668	6.7962E-05	0.00087792
<i>Ell3</i>	-2.0861	3.3989	15.8441	6.878E-05	0.00088691
<i>8430408G22Rik</i>	-1.4548	4.3199	15.8405	6.8912E-05	0.00088809
<i>Ly6g6e</i>	-1.6230	5.4580	15.8342	6.9141E-05	0.00088999
<i>Frs3</i>	-1.2173	1.9255	15.8290	6.9331E-05	0.00089191
<i>Hs3st6</i>	-2.0925	3.8885	15.8244	6.9501E-05	0.00089304
<i>Ikzf2</i>	-1.4338	4.7695	15.7752	7.133E-05	0.00091385
<i>Dhrs7c</i>	-1.2798	5.5103	15.7625	7.1812E-05	0.00091835
<i>Art4</i>	-1.3701	3.7686	15.7300	7.3055E-05	0.00093157
<i>Psors1c2</i>	-1.8512	5.2614	15.7035	7.4087E-05	0.00094253
<i>Cd3e</i>	-1.7493	2.9271	15.6990	7.4263E-05	0.00094423
<i>Gm14137</i>	-1.6358	5.1326	15.6521	7.6129E-05	0.0009657
<i>Pik3c2g</i>	-1.7324	1.7612	15.5880	7.8755E-05	0.00099554
<i>Lrp4</i>	-1.6615	7.0320	15.5662	7.9665E-05	0.00100646
<i>Kcnh2</i>	-1.6219	1.7243	15.5615	7.9865E-05	0.0010084
<i>Celsr1</i>	-1.2030	6.6119	15.5333	8.1064E-05	0.0010209
<i>Ano8</i>	-1.1763	5.7232	15.5105	8.205E-05	0.00103182
<i>Slitrk6</i>	-1.2264	4.7515	15.4601	8.4268E-05	0.00105364
<i>Pygo1</i>	-1.1832	3.7000	15.4571	8.4398E-05	0.00105467
<i>Anxa9</i>	-1.6019	6.6750	15.4287	8.5677E-05	0.00106759
<i>Wnt2</i>	-2.0664	2.1657	15.3948	8.7228E-05	0.00108259
<i>Tuft1</i>	-1.4592	6.7991	15.3771	8.8049E-05	0.00109216
<i>BC107364</i>	-2.1654	0.1280	15.3747	8.8161E-05	0.00109293
<i>Mylk2</i>	-1.4861	9.4903	15.3693	8.8414E-05	0.00109544
<i>Upk3b</i>	-3.3071	1.6235	15.3530	8.9179E-05	0.00109886
<i>Bbc3</i>	-1.3484	2.3334	15.3516	8.9244E-05	0.00109886
<i>Gipc2</i>	-1.6305	0.9426	15.3431	8.9647E-05	0.00110258
<i>Neu3</i>	-1.3605	4.1129	15.3060	9.1426E-05	0.00111867
<i>Gpsm1</i>	-1.2736	5.7518	15.2690	9.3235E-05	0.00113774

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<i>Tjp3</i>	-1.6258	5.9454	15.2649	9.3439E-05	0.00113959
<i>Rassf10</i>	-1.4254	3.2322	15.2607	9.3647E-05	0.00114149
<i>Agr3</i>	-3.2332	-1.0899	15.2587	9.3745E-05	0.00114204
<i>Micalcl</i>	-1.7400	3.1906	15.2515	9.4101E-05	0.00114467
<i>Fut1</i>	-1.4329	4.1842	15.2023	9.6588E-05	0.0011721
<i>Tanc1</i>	-1.2040	6.8416	15.1959	9.6911E-05	0.00117472
<i>Dhcr7</i>	-1.0824	6.8129	15.1332	0.00010019	0.00120773
<i>Smco1</i>	-1.5321	3.5423	15.0835	0.00010286	0.00123598
<i>Dnajc28</i>	-1.4080	1.6517	15.0700	0.0001036	0.001244
<i>Kcnj16</i>	-2.6331	2.9649	15.0527	0.00010455	0.0012541
<i>Pmp2</i>	-2.2704	-0.0552	15.0441	0.00010503	0.00125913
<i>Krt15</i>	-2.0667	9.5482	14.9648	0.00010954	0.00130385
<i>Fam117a</i>	-1.1645	4.4983	14.9281	0.00011169	0.001328
<i>Slc25a34</i>	-1.4564	4.3665	14.8233	0.00011807	0.00139223
<i>Cbx2</i>	-1.0683	4.7838	14.8205	0.00011824	0.00139304
<i>Ptpn13</i>	-1.0280	6.9989	14.8177	0.00011842	0.00139442
<i>Inmt</i>	-2.9022	4.7346	14.7606	0.00012206	0.00143266
<i>Omp</i>	-2.6912	-0.4306	14.7034	0.00012582	0.00147039
<i>Ypel2</i>	-1.2390	5.2529	14.6777	0.00012755	0.00148587
<i>Traf5</i>	-1.0978	2.5879	14.6744	0.00012777	0.00148764
<i>Kcng1</i>	-2.2154	0.0942	14.6724	0.00012791	0.00148776
<i>C1qtnf4</i>	-1.0355	1.9146	14.6722	0.00012792	0.00148776
<i>Atg9b</i>	-1.5790	6.3295	14.6613	0.00012866	0.00149561
<i>Kel</i>	-5.0950	-1.4743	14.6137	0.00013195	0.00152899
<i>Ak1</i>	-1.2275	8.0139	14.6067	0.00013244	0.00153388
<i>Unc79</i>	-2.0096	0.2682	14.5222	0.00013852	0.0015966
<i>Blnk</i>	-1.0430	4.8295	14.5147	0.00013907	0.00160126
<i>Prss8</i>	-1.2155	5.5216	14.4812	0.00014157	0.00162663
<i>Rhbdl3</i>	-1.0619	3.9537	14.4638	0.00014288	0.00163999
<i>Jph1</i>	-1.3654	6.0734	14.4607	0.00014312	0.00164181
<i>Spink1</i>	-3.0521	-0.1726	14.4548	0.00014356	0.00164523
<i>Smarcd3</i>	-1.2155	5.1534	14.4141	0.0001467	0.00167323
<i>Wee1</i>	-1.0549	4.9900	14.4118	0.00014688	0.00167363
<i>Hsbp1l1</i>	-1.3377	2.7091	14.4090	0.0001471	0.00167431
<i>Lsr</i>	-1.2777	6.8247	14.3890	0.00014867	0.00169132
<i>Mob3b</i>	-1.0732	3.8807	14.3638	0.00015067	0.00170962
<i>Ctnnd2</i>	-1.1482	2.9166	14.3445	0.00015223	0.00172546
<i>Casq1</i>	-1.2492	8.8169	14.3330	0.00015316	0.00173332
<i>Snai3</i>	-1.3636	5.4548	14.2649	0.0001588	0.00178788
<i>Klhl31</i>	-1.4465	6.6334	14.2626	0.00015899	0.00178915
<i>Odf3b</i>	-2.0356	-0.4431	14.2512	0.00015996	0.00179911
<i>N4bp3</i>	-1.0996	4.7496	14.2394	0.00016097	0.00180766
<i>Slc7a2</i>	-1.4620	5.8363	14.1988	0.00016448	0.00184234
<i>Rhbdl1</i>	-1.2589	2.7644	14.1947	0.00016483	0.00184539
<i>Cuedc1</i>	-1.0545	5.5049	14.1797	0.00016615	0.00185728
<i>Arhgef5</i>	-1.1547	6.9183	14.1569	0.00016818	0.00187296
<i>Tcea3</i>	-1.4117	5.8057	14.1562	0.00016824	0.00187296
<i>Pdzk1ip1</i>	-1.4586	6.7892	14.1478	0.00016899	0.00188039
<i>Ntf3</i>	-1.2226	2.0006	14.0964	0.00017368	0.00192658
<i>Ccdc120</i>	-1.0874	5.9101	14.0943	0.00017387	0.00192779
<i>Best2</i>	-2.0928	1.8886	14.0645	0.00017665	0.00195476
<i>Cr2</i>	-2.5557	-0.5343	14.0589	0.00017717	0.00195843
<i>Myom1</i>	-1.2348	9.3337	14.0497	0.00017804	0.00196499
<i>Krt80</i>	-1.4569	8.6468	14.0445	0.00017853	0.00196947
<i>Pfkm</i>	-1.2095	10.4524	14.0394	0.00017902	0.00197388
<i>Gm20219</i>	-1.1620	5.5080	14.0191	0.00018096	0.00199224
<i>Amdhd1</i>	-1.7513	0.8701	14.0072	0.00018211	0.00200283
<i>Col17a1</i>	-1.1064	10.0499	13.9773	0.00018503	0.00202881
<i>Liph</i>	-1.2530	4.4701	13.9738	0.00018538	0.00203159
<i>Cmya5</i>	-1.3062	9.8448	13.9420	0.00018854	0.00206105
<i>Dpp6</i>	-2.1410	-0.5047	13.9016	0.00019264	0.00210166
<i>Atp1b2</i>	-1.5640	6.4270	13.8950	0.00019332	0.00210592
<i>Pdlim2</i>	-1.2399	6.6597	13.8824	0.00019461	0.00211896

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<i>Actbl2</i>	-4.7570	-1.6415	13.8624	0.0001967	0.00213745
<i>Krt32</i>	-2.7648	-0.3445	13.8487	0.00019813	0.00214984
<i>Slc6a2</i>	-1.6438	4.3830	13.8470	0.00019831	0.0021507
<i>Sept5</i>	-1.0966	7.3630	13.7840	0.00020507	0.00221302
<i>Sema6c</i>	-1.6843	4.6472	13.7404	0.00020989	0.00226055
<i>Fut2</i>	-1.1530	5.5493	13.7345	0.00021056	0.00226324
<i>9430007A20Rik</i>	-2.5776	-0.9037	13.7030	0.00021411	0.00229133
<i>Tmie</i>	-1.3504	1.8205	13.6946	0.00021507	0.00230045
<i>Rpl3l</i>	-1.1376	7.2902	13.6725	0.00021762	0.00232314
<i>Omd</i>	-1.7931	1.9789	13.6377	0.00022169	0.00235619
<i>Foxn1</i>	-1.0134	3.8521	13.6219	0.00022357	0.00237155
<i>Olf851</i>	-2.0549	-0.5196	13.6048	0.00022561	0.00238974
<i>Capn3</i>	-1.1577	5.8302	13.5969	0.00022656	0.00239702
<i>Dlg2</i>	-1.4746	4.5853	13.5718	0.00022961	0.00242041
<i>G6b</i>	-1.5833	2.0370	13.5401	0.00023352	0.0024545
<i>Nectin4</i>	-1.1208	7.3980	13.5331	0.00023439	0.00246013
<i>Fndc5</i>	-1.0413	3.9762	13.5232	0.00023564	0.00247198
<i>Frzb</i>	-1.6767	2.8927	13.5163	0.0002365	0.0024798
<i>Marveld2</i>	-1.0826	3.9260	13.4809	0.000241	0.00251734
<i>Il20rb</i>	-1.4638	6.6638	13.4531	0.0002446	0.00254763
<i>Lmod3</i>	-1.3208	6.2669	13.4510	0.00024488	0.00254813
<i>Sh3d19</i>	-1.0796	7.1907	13.4450	0.00024566	0.00255377
<i>Baiap2l1</i>	-1.1662	7.9232	13.4295	0.0002477	0.0025701
<i>Bpifc</i>	-1.3457	7.2659	13.4142	0.00024973	0.00258624
<i>9330159F19Rik</i>	-1.1740	4.1763	13.3937	0.00025247	0.00260848
<i>Slc4a10</i>	-3.7525	-0.7498	13.3649	0.00025638	0.0026451
<i>Synm</i>	-1.2503	8.3323	13.3224	0.00026225	0.00269874
<i>Ampd1</i>	-1.8578	6.7826	13.2915	0.00026661	0.00273389
<i>Pou2f3</i>	-1.6542	6.6828	13.2797	0.00026829	0.00274719
<i>Gem</i>	-1.0797	4.2571	13.2480	0.00027288	0.00278894
<i>Slc9a3</i>	-1.6718	2.7303	13.1866	0.00028196	0.00287635
<i>Asb16</i>	-1.2583	5.4848	13.1450	0.00028829	0.00293683
<i>Ceacam20</i>	-2.8889	-1.2303	13.1241	0.00029152	0.00296148
<i>Rnf208</i>	-1.2359	5.1253	13.1063	0.00029431	0.00298565
<i>Capns2</i>	-1.4929	6.3592	13.1041	0.00029464	0.00298625
<i>Wnt6</i>	-1.7831	2.1222	13.1023	0.00029493	0.0029878
<i>Ust</i>	-1.0021	4.3281	13.1010	0.00029514	0.00298846
<i>Rasa1</i>	-1.1476	3.2809	13.0981	0.00029559	0.0029917
<i>Slc6a9</i>	-1.0844	4.5015	13.0880	0.00029719	0.00300366
<i>Gdpd3</i>	-1.1591	4.5108	13.0776	0.00029884	0.0030162
<i>Sgcg</i>	-1.3597	5.5589	13.0478	0.00030363	0.00305608
<i>Dsg1c</i>	-1.9934	2.6568	13.0249	0.00030738	0.00308807
<i>Fbxo32</i>	-1.4825	8.4386	13.0089	0.00031001	0.0031088
<i>Rnf222</i>	-1.0577	3.8581	12.9599	0.00031824	0.00318397
<i>Myl4</i>	-1.6763	2.2590	12.9076	0.00032726	0.00326673
<i>Skint8</i>	-1.8993	0.9909	12.9012	0.00032838	0.0032764
<i>Klf15</i>	-1.1416	5.1934	12.8902	0.00033031	0.00328974
<i>Pak3</i>	-1.3694	4.5663	12.8794	0.00033222	0.00330272
<i>Cdk15</i>	-1.7524	-0.1155	12.8595	0.00033577	0.00333193
<i>Fitm1</i>	-1.1108	5.5989	12.8495	0.00033756	0.00334516
<i>Hsd17b14</i>	-2.1119	2.6405	12.8467	0.00033808	0.00334721
<i>5730596B20Rik</i>	-1.5306	0.2504	12.8412	0.00033907	0.00335551
<i>Fam89a</i>	-1.4679	5.1861	12.8132	0.00034418	0.00339529
<i>Lmod1</i>	-2.0897	6.1699	12.8075	0.00034523	0.00340415
<i>Chd3os</i>	-1.7696	6.5248	12.7989	0.00034682	0.00341824
<i>Fam189b</i>	-1.0675	3.4253	12.7972	0.00034713	0.00341978
<i>Gna15</i>	-1.0213	4.5239	12.7888	0.0003487	0.00343218
<i>Flywch2</i>	-1.5317	0.0725	12.7852	0.00034938	0.00343649
<i>Dcaf6</i>	-1.0319	6.3537	12.7847	0.00034946	0.00343649
<i>Opcml</i>	-1.4573	3.0502	12.7737	0.00035153	0.00345216
<i>Abca5</i>	-1.2984	6.2307	12.7575	0.00035458	0.00347593
<i>Lpin3</i>	-1.1021	4.4211	12.7470	0.00035657	0.00348762
<i>Nrtn</i>	-1.6492	4.9259	12.7412	0.00035768	0.0034969

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<i>F2rl1</i>	-1.1093	5.1824	12.7389	0.00035812	0.00349964
<i>Acsbg1</i>	-1.4639	7.8408	12.7240	0.00036099	0.0035261
<i>Rorb</i>	-2.6646	-0.6258	12.7179	0.00036217	0.00353603
<i>Ebf4</i>	-5.2014	-1.4304	12.6993	0.00036579	0.00356499
<i>Bmp3</i>	-1.0562	4.0623	12.6957	0.0003665	0.00356754
<i>Bmp8b</i>	-4.5058	-1.7569	12.6842	0.00036876	0.00358436
<i>Lypd2</i>	-2.8041	-0.0361	12.6666	0.00037224	0.00360593
<i>Sox21</i>	-1.3243	4.7732	12.6604	0.00037349	0.00361261
<i>Wfdc5</i>	-1.0314	5.6014	12.6332	0.00037896	0.00366231
<i>Ano9</i>	-1.5692	7.3968	12.6133	0.00038301	0.00369649
<i>Ppm1l</i>	-1.0481	5.4183	12.5680	0.0003924	0.00377048
<i>Mesp2</i>	-1.6315	1.7228	12.5644	0.00039316	0.00377446
<i>Tnfrsf19</i>	-1.6390	6.1038	12.5496	0.00039629	0.00379943
<i>Ccdc62</i>	-1.2096	1.3969	12.5445	0.00039736	0.0038081
<i>Tcp11</i>	-2.0828	-0.2828	12.4896	0.00040923	0.00390642
<i>Pramel7</i>	-3.7281	-1.2668	12.4342	0.00042155	0.00400649
<i>Lrrc36</i>	-3.1886	-1.1164	12.4266	0.00042325	0.00402092
<i>Gabrp</i>	-2.0324	3.2368	12.4244	0.00042377	0.00402406
<i>Papln</i>	-1.0545	3.4451	12.4174	0.00042535	0.00403163
<i>Ppfia3</i>	-1.1634	5.1424	12.4151	0.00042587	0.00403344
<i>A530084C06Rik</i>	-1.2262	1.8735	12.4003	0.00042926	0.00405327
<i>Gm2244</i>	-5.1734	-1.4478	12.3887	0.00043194	0.00407332
<i>Mdga1</i>	-1.1398	1.8955	12.3844	0.00043293	0.00408091
<i>Osr2</i>	-1.2523	3.4161	12.3806	0.00043382	0.00408656
<i>Col4a5</i>	-1.1320	4.2049	12.3802	0.00043391	0.00408656
<i>Pygm</i>	-1.2701	11.2935	12.3778	0.00043448	0.00409017
<i>9230102O04Rik</i>	-1.5093	0.7712	12.3757	0.00043496	0.00409292
<i>Xkrx</i>	-1.4800	5.7906	12.3682	0.00043671	0.00410763
<i>Fam110a</i>	-1.3720	6.0745	12.3200	0.00044814	0.00420246
<i>Cyp3a13</i>	-1.2810	2.9701	12.3121	0.00045004	0.00421485
<i>Sp6</i>	-1.4469	6.0007	12.2720	0.00045981	0.00428089
<i>Cyp2j6</i>	-1.1710	5.3107	12.2706	0.00046015	0.00428089
<i>Smpd3</i>	-1.2012	6.4668	12.2516	0.00046486	0.00431848
<i>Epha1</i>	-1.1107	6.5108	12.2291	0.00047049	0.00436334
<i>Gm3488</i>	-3.2027	-1.3720	12.2066	0.00047621	0.00440645
<i>Bsn</i>	-1.2467	2.4444	12.1776	0.00048367	0.0044666
<i>Efh1</i>	-1.2619	3.2901	12.1619	0.00048776	0.00449672
<i>Npas2</i>	-1.1617	1.5354	12.1269	0.00049701	0.00456657
<i>Eps8l1</i>	-1.5765	7.8085	12.0984	0.00050466	0.00462329
<i>Lsmem1</i>	-1.6679	2.6882	12.0733	0.00051149	0.00467995
<i>Islr2</i>	-1.6432	3.4214	12.0513	0.00051756	0.00471963
<i>Ankrd35</i>	-1.5407	7.1805	12.0487	0.00051829	0.00472433
<i>Fxyd1</i>	-1.0879	6.7792	12.0373	0.00052148	0.00474941
<i>Gng4</i>	-1.8316	4.0481	12.0216	0.00052587	0.00477745
<i>Dnajc6</i>	-1.2606	1.9380	12.0125	0.00052845	0.00479292
<i>Fcgbp</i>	-1.5770	7.9291	12.0050	0.00053059	0.00481036
<i>Tnfrsf11b</i>	-1.6136	3.2816	11.9784	0.00053819	0.00486917
<i>Dlx5</i>	-1.3920	2.3591	11.9711	0.00054032	0.00488637
<i>D6Ert527e</i>	-1.4113	0.9402	11.9369	0.00055034	0.00496669
<i>Trpm3</i>	-1.3953	0.2653	11.9315	0.00055191	0.00497884
<i>Trim71</i>	-2.1557	-0.4868	11.9084	0.00055883	0.00503498
<i>Nkx1-2</i>	-2.8540	-1.3057	11.9020	0.00056074	0.00504719
<i>Dact2</i>	-2.0877	2.7581	11.8795	0.00056756	0.00509895
<i>Nrg2</i>	-1.3936	1.1324	11.8661	0.00057166	0.00513154
<i>Rimbp2</i>	-1.3122	1.2731	11.8635	0.00057243	0.00513489
<i>Mef2b</i>	-1.4629	-0.0509	11.8633	0.0005725	0.00513489
<i>Sbsn</i>	-1.1968	11.3167	11.8612	0.00057316	0.0051368
<i>Susd2</i>	-1.5209	8.3183	11.8114	0.00058868	0.00526051
<i>Krt24</i>	-1.9020	0.3325	11.8066	0.00059022	0.00527214
<i>Crct1</i>	-1.4472	8.1184	11.7726	0.00060109	0.00535823
<i>F830045P16Rik</i>	-2.5646	2.9356	11.7469	0.00060943	0.00541714
<i>Tmem233</i>	-2.0655	4.8330	11.7381	0.00061232	0.00543178
<i>Paqr8</i>	-1.3720	4.8565	11.7190	0.00061864	0.00547666

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<i>Robo1</i>	-1.6292	4.6922	11.7181	0.00061894	0.00547666
<i>Ctsw</i>	-1.1662	2.3557	11.7065	0.00062283	0.00550712
<i>Pdzd2</i>	-1.0468	7.4806	11.6984	0.00062554	0.00552658
<i>Ppl</i>	-1.2267	9.1926	11.6841	0.00063038	0.0055603
<i>Scd3</i>	-1.7844	4.9348	11.6832	0.00063067	0.00556065
<i>Heph</i>	-1.0570	4.6461	11.6699	0.0006352	0.00559379
<i>Pla2g3</i>	-2.0957	3.0460	11.6629	0.00063759	0.00561256
<i>Ccdc187</i>	-1.1833	2.0995	11.6591	0.00063888	0.00561943
<i>Fhl3</i>	-1.2242	7.5793	11.6571	0.00063958	0.00562022
<i>Ackr2</i>	-1.0814	4.8397	11.6482	0.00064263	0.0056388
<i>Gm5941</i>	-3.1769	-1.1202	11.6267	0.00065011	0.00568844
<i>Zfp773</i>	-1.1116	2.3060	11.5360	0.00068263	0.00590198
<i>Ppp1r36</i>	-2.1436	-0.6349	11.5188	0.00068897	0.00595102
<i>Nos1</i>	-1.4903	5.5203	11.5184	0.00068912	0.00595102
<i>Syt1</i>	-1.2718	6.4481	11.5106	0.00069199	0.00597111
<i>Gapdh</i>	-1.1682	8.9140	11.5019	0.00069523	0.00599323
<i>Serpinb8</i>	-1.1319	6.5358	11.4945	0.00069802	0.00601305
<i>Slc2a5</i>	-1.2364	3.3615	11.4793	0.00070377	0.00604881
<i>Cyp2b19</i>	-1.7030	6.4665	11.4776	0.00070441	0.00605197
<i>Cpxm2</i>	-1.3524	5.5014	11.4691	0.00070763	0.00607247
<i>Rnf225</i>	-1.3625	6.4743	11.4038	0.00073296	0.00625393
<i>Mmaa</i>	-1.0812	1.9740	11.3706	0.00074614	0.00634912
<i>Msx2</i>	-1.3842	1.0640	11.3506	0.00075422	0.00639931
<i>Shisa4</i>	-1.4473	5.8356	11.2908	0.00077892	0.00657564
<i>Defb1</i>	-1.0287	4.5681	11.2475	0.00079729	0.00670475
<i>Ccdc42</i>	-2.5007	-1.1903	11.2384	0.00080122	0.0067327
<i>Il12rb2</i>	-1.6515	3.7328	11.2162	0.00081087	0.0067928
<i>Rnf165</i>	-1.3296	1.3989	11.2075	0.00081465	0.00682074
<i>Oas1c</i>	-1.1380	2.5382	11.2020	0.00081708	0.00683174
<i>Ssxb5</i>	-3.0902	-1.5036	11.1694	0.00083157	0.00692933
<i>Nrk</i>	-1.4776	0.0112	11.1485	0.00084099	0.00698471
<i>S1pr5</i>	-1.2335	4.7454	11.1482	0.00084113	0.00698471
<i>Skint7</i>	-2.4671	3.7496	11.1180	0.00085492	0.007083
<i>Sebox</i>	-2.3886	2.1526	11.0894	0.00086822	0.00716329
<i>AA986860</i>	-1.0811	5.5263	11.0751	0.00087495	0.00720793
<i>Dkk1</i>	-1.5093	5.7269	11.0541	0.00088493	0.00727641
<i>Slc13a4</i>	-1.1688	0.6201	11.0362	0.00089352	0.00733873
<i>Anxa8</i>	-1.0488	9.9991	11.0266	0.00089815	0.00737127
<i>Rcsd1</i>	-1.0580	6.2892	11.0204	0.00090116	0.0073821
<i>Tacstd2</i>	-1.1856	8.6022	11.0184	0.00090214	0.00738733
<i>Grm4</i>	-1.9288	0.6875	11.0065	0.00090793	0.00742082
<i>Grhl1</i>	-1.0080	7.4366	10.9993	0.00091148	0.00744426
<i>Skint2</i>	-2.0342	3.8749	10.9834	0.0009193	0.00749969
<i>Tesc</i>	-2.0875	3.8870	10.9824	0.00091982	0.00750118
<i>Adad2</i>	-3.3660	-0.9997	10.9724	0.00092479	0.00753372
<i>Car8</i>	-1.6914	1.6694	10.9540	0.000934	0.00759691
<i>Sfrp2</i>	-1.3501	4.8059	10.9482	0.00093693	0.00761795
<i>Aif1</i>	-1.6554	6.5188	10.9470	0.00093757	0.00762028
<i>Gm45826</i>	-4.2886	-1.8505	10.9360	0.00094311	0.00765962
<i>Adssl1</i>	-1.1854	8.6102	10.9021	0.00096054	0.007778
<i>Esyt3</i>	-1.0167	5.7302	10.8990	0.00096214	0.00778071
<i>Neur1a</i>	-1.1469	5.9712	10.8805	0.00097184	0.00784046
<i>Spag1</i>	-1.0727	4.7837	10.8743	0.0009751	0.00785513
<i>Cacnb1</i>	-1.0156	6.4607	10.8644	0.00098029	0.00788825
<i>Pxmp2</i>	-1.1074	3.6259	10.8475	0.00098927	0.00795391
<i>Cpne5</i>	-2.9947	-1.2195	10.8470	0.00098955	0.00795391
<i>H2-M2</i>	-1.3427	4.0664	10.8363	0.00099531	0.00799141
<i>Ly6g6c</i>	-1.0948	8.1725	10.8284	0.00099955	0.00801951
<i>Akr1c14</i>	-1.6013	3.6071	10.8072	0.00101106	0.00810293
<i>Epm2a</i>	-1.0137	4.9890	10.8053	0.00101213	0.00810852
<i>Mrgprg</i>	-2.8810	1.3441	10.7951	0.00101769	0.00814715
<i>Hebp2</i>	-1.1199	6.5068	10.7656	0.00103405	0.00825989
<i>Atp1a2</i>	-1.0992	9.5940	10.7315	0.00105329	0.00838906

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<i>Clec3b</i>	-1.0159	7.3102	10.7263	0.00105622	0.00840934
<i>Emp2</i>	-1.1765	8.3002	10.7180	0.00106098	0.00843181
<i>Lce1l</i>	-2.0567	7.0263	10.7029	0.00106969	0.00847635
<i>Pik3cb</i>	-1.2432	4.0561	10.6797	0.0010832	0.00857407
<i>Fam81a</i>	-1.0640	4.7444	10.6519	0.00109955	0.00867209
<i>Rasl10a</i>	-1.6281	2.7306	10.6469	0.00110254	0.00868623
<i>Smim24</i>	-1.0724	1.8624	10.6247	0.00111588	0.0087618
<i>Ripor3</i>	-1.1279	4.2924	10.6213	0.0011179	0.00876962
<i>Gatsl2</i>	-1.2353	5.8700	10.6022	0.00112952	0.00884771
<i>Kctd4</i>	-1.2594	4.5650	10.6009	0.00113032	0.00884941
<i>Icam5</i>	-1.2375	0.5609	10.5948	0.00113408	0.00887389
<i>Wnt7b</i>	-1.5809	6.0387	10.5861	0.00113941	0.00889329
<i>Fcho1</i>	-1.6661	4.8020	10.5846	0.00114031	0.00889708
<i>Hyal4</i>	-1.4018	1.4886	10.5804	0.00114292	0.00891432
<i>Nlrp10</i>	-1.6365	6.2023	10.5564	0.00115787	0.00901479
<i>Fndc9</i>	-1.4822	6.9555	10.5457	0.00116458	0.00905414
<i>Aff3</i>	-1.4567	4.9871	10.5450	0.00116501	0.00905422
<i>Stag3</i>	-2.9726	-0.8864	10.5316	0.0011735	0.00910403
<i>Sh3gl2</i>	-1.3883	3.6675	10.5026	0.00119205	0.00923148
<i>Prima1</i>	-1.6561	0.4984	10.5014	0.00119287	0.00923394
<i>Col4a4</i>	-1.1553	2.6873	10.4921	0.00119887	0.00927443
<i>Engase</i>	-1.2014	2.7125	10.4829	0.00120485	0.00930098
<i>Clic3</i>	-1.4504	6.3650	10.4712	0.00121249	0.00935331
<i>Cd207</i>	-1.5640	4.6706	10.4411	0.00123241	0.00948355
<i>Hepacam2</i>	-1.6561	1.4017	10.4316	0.00123874	0.00952555
<i>Cldn23</i>	-1.9298	4.8218	10.4295	0.00124016	0.00952947
<i>Txlnb</i>	-1.1820	8.0069	10.4241	0.00124379	0.00954417
<i>Tnnc2</i>	-1.1742	11.1432	10.4227	0.00124473	0.00954468
<i>Pls1</i>	-2.0030	0.6365	10.4082	0.0012546	0.00960689
<i>Mstn</i>	-2.2697	6.5275	10.4058	0.00125621	0.00961581
<i>Aldoa</i>	-1.0205	12.9086	10.3913	0.00126612	0.00968149
<i>Ocln</i>	-1.0547	4.4967	10.3474	0.0012966	0.00988
<i>Scin</i>	-1.2893	5.5699	10.3474	0.00129661	0.00988
<i>2310050C09Rik</i>	-1.8629	8.5380	10.3297	0.00130904	0.00996777
<i>Prkcq</i>	-1.2142	5.7074	10.3198	0.00131611	0.01001116
<i>Acer1</i>	-1.3321	6.8450	10.3003	0.00133007	0.01009625
<i>Ptp4a3</i>	-1.0189	8.7632	10.2969	0.00133256	0.01010811
<i>Serpina12</i>	-1.9566	6.7075	10.2714	0.00135112	0.0102381
<i>Otop3</i>	-1.7162	3.6110	10.2359	0.00137732	0.01038268
<i>Pou3f1</i>	-1.1508	5.9997	10.2147	0.00139329	0.01047774
<i>Tmem52</i>	-1.1451	4.1719	10.2048	0.00140073	0.01052646
<i>Gal3st2c</i>	-1.6657	-0.2938	10.1763	0.00142258	0.01066126
<i>Hoxa2</i>	-1.1389	1.1201	10.1752	0.00142341	0.01066388
<i>Pgm2</i>	-1.0243	7.7047	10.1699	0.00142749	0.01068346
<i>Ccr4</i>	-2.0779	2.3787	10.1524	0.00144111	0.01077056
<i>Smim18</i>	-3.5607	-1.3747	10.1394	0.0014513	0.0108346
<i>Lhfp1</i>	-1.3938	1.4649	10.1384	0.00145216	0.0108346
<i>Abcc6</i>	-2.4359	-1.2260	10.1235	0.00146391	0.01088881
<i>Hrc</i>	-1.2791	8.0086	10.1208	0.00146608	0.01089915
<i>Fsd2</i>	-1.0992	5.7864	10.0938	0.00148772	0.01103586
<i>Kcnh6</i>	-4.2163	-1.8756	10.0829	0.00149654	0.01109336
<i>Mill1</i>	-1.1677	3.0656	10.0730	0.00150454	0.01114542
<i>Mylk4</i>	-2.4097	8.1561	10.0708	0.00150635	0.01115007
<i>Glcc1</i>	-1.7234	2.3991	10.0421	0.00153004	0.01127454
<i>Slc12a5</i>	-1.3551	1.3151	10.0390	0.00153261	0.01128442
<i>A630010A05Rik</i>	-1.3485	0.6724	10.0260	0.00154345	0.01134897
<i>Lce1c</i>	-2.0147	7.9096	10.0169	0.00155114	0.01138081
<i>Cbarp</i>	-1.1517	4.7464	10.0044	0.00156169	0.01144836
<i>Dapl1</i>	-2.1860	6.7811	10.0028	0.00156301	0.01145038
<i>Olf1293-ps</i>	-2.7586	-1.3515	10.0022	0.00156357	0.01145065
<i>Cd55b</i>	-1.2542	1.1511	9.9971	0.00156789	0.01147456
<i>Dpf3</i>	-1.2907	2.2760	9.9913	0.00157282	0.01150678
<i>Sall4</i>	-1.7268	-0.3182	9.9524	0.0016064	0.01172493

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<i>Apol7a</i>	-2.1974	2.9959	9.9447	0.00161317	0.01175864
<i>Cplx2</i>	-1.0686	1.9960	9.9418	0.00161568	0.01177297
<i>Gna14</i>	-1.2297	3.3253	9.9394	0.0016178	0.01178024
<i>Pvalb</i>	-1.2273	10.3614	9.9059	0.00164752	0.0119492
<i>Rhebl1</i>	-1.1306	1.8440	9.8916	0.00166037	0.01203005
<i>Lor</i>	-2.1884	12.0003	9.8672	0.00168247	0.01215022
<i>Rilpl1</i>	-1.1653	6.5628	9.8510	0.00169736	0.01223744
<i>Sostdc1</i>	-1.1374	3.4061	9.8467	0.00170138	0.01225835
<i>Amz1</i>	-1.4736	2.1934	9.8446	0.00170328	0.01225886
<i>Tuba3a</i>	-4.1583	-1.9006	9.8443	0.0017036	0.01225886
<i>Zc2hc1c</i>	-1.0404	1.2611	9.8360	0.00171127	0.01229718
<i>Teddm2</i>	-1.8911	-0.9338	9.8346	0.00171256	0.01230236
<i>Fmo2</i>	-1.1409	5.0510	9.8214	0.00172496	0.01237112
<i>Tgfb3l</i>	-1.2063	1.0012	9.8149	0.00173106	0.01240261
<i>Fabp6</i>	-1.3326	1.0652	9.8096	0.00173601	0.0124299
<i>Fam166b</i>	-1.8288	-0.8218	9.8083	0.00173722	0.01243046
<i>Atp10b</i>	-1.1161	4.3316	9.7830	0.00176134	0.01258651
<i>Chit1</i>	-1.4231	6.8613	9.7741	0.0017699	0.01263527
<i>Krt2</i>	-3.0567	-0.1848	9.7467	0.00179641	0.01278688
<i>Frm7</i>	-6.1655	-0.7838	9.7447	0.00179844	0.01279719
<i>Ppil6</i>	-2.0202	0.3392	9.7288	0.00181406	0.01288982
<i>Acad10</i>	-1.0366	2.3304	9.7284	0.00181441	0.01288982
<i>Dlx3</i>	-1.2725	4.8432	9.7264	0.00181643	0.01289947
<i>Atp2a1</i>	-1.2985	13.3335	9.7077	0.00183497	0.01300036
<i>Vldlr</i>	-1.0989	6.9532	9.6905	0.00185225	0.0130947
<i>Tmtc1</i>	-1.0343	4.5280	9.6865	0.00185628	0.0131147
<i>Vsig10</i>	-1.1327	3.1393	9.6829	0.00185989	0.01313596
<i>Kremen2</i>	-1.7702	2.1081	9.6595	0.0018838	0.01326619
<i>Gdnf</i>	-1.0403	2.7708	9.6268	0.00191756	0.01346053
<i>Guca2a</i>	-2.0107	1.9391	9.6256	0.00191889	0.01346119
<i>Serpina5</i>	-2.2717	0.0391	9.6060	0.00193946	0.0135975
<i>Tmem132b</i>	-2.6947	-0.8325	9.5858	0.00196084	0.0137114
<i>Lce1b</i>	-1.9597	8.0711	9.5770	0.00197028	0.01375099
<i>Lce1a1</i>	-1.8617	8.5723	9.5598	0.0019888	0.01385811
<i>Krt23</i>	-1.8520	7.8093	9.5572	0.00199164	0.01386464
<i>Scel</i>	-1.2364	7.4711	9.5521	0.00199726	0.01389048
<i>Zfp831</i>	-1.3373	0.3642	9.5415	0.00200881	0.01395299
<i>Egr1</i>	-1.0998	8.1364	9.5279	0.00202368	0.01402507
<i>Ryr1</i>	-1.1671	10.5682	9.5250	0.00202697	0.01404251
<i>Fosb</i>	-1.8890	6.4337	9.5235	0.00202856	0.01404554
<i>Cd96</i>	-1.7054	1.3890	9.5192	0.00203333	0.01407407
<i>Mb</i>	-1.1825	8.7115	9.5065	0.00204741	0.01414744
<i>Spice1</i>	-1.1047	2.7926	9.5037	0.00205054	0.01416178
<i>Fam25c</i>	-1.5670	8.8112	9.4941	0.00206128	0.01421796
<i>9930012K11Rik</i>	-1.2578	3.6613	9.4911	0.0020647	0.01423704
<i>P2rx6</i>	-1.1807	3.0854	9.4410	0.00212187	0.01457597
<i>Adamts16</i>	-4.0000	-1.1046	9.4359	0.00212779	0.01461206
<i>Nme5</i>	-1.5503	-0.3095	9.4273	0.00213781	0.01465784
<i>Myh4</i>	-1.3580	13.7736	9.4198	0.0021466	0.01469966
<i>Gm3776</i>	-1.3818	1.6884	9.3998	0.00217008	0.01482784
<i>Col11a1</i>	-1.6097	0.0706	9.3940	0.00217692	0.0148653
<i>Ntrk3</i>	-1.0997	2.3941	9.3566	0.0022218	0.01511034
<i>P4htm</i>	-1.0211	2.7498	9.3524	0.00222689	0.01513552
<i>Neb</i>	-1.1359	10.4741	9.3518	0.00222771	0.01513638
<i>Pifo</i>	-3.1210	-1.5900	9.3438	0.00223738	0.01519734
<i>Lrrn1</i>	-1.0809	2.8401	9.3141	0.00227392	0.01541413
<i>Zfp707</i>	-1.1957	3.1869	9.2935	0.00229967	0.0155577
<i>Aloxe3</i>	-1.4289	6.4912	9.2753	0.00232265	0.01566928
<i>Hoxa6</i>	-1.4085	1.2182	9.2634	0.00233784	0.015742
<i>Fsbp</i>	-1.4798	0.3509	9.2629	0.00233848	0.015742
<i>Nudt17</i>	-1.0904	4.0258	9.2436	0.00236319	0.01586434
<i>Tppp</i>	-1.1224	6.1384	9.2389	0.00236926	0.01590021
<i>Osbpl6</i>	-1.5197	2.3304	9.2325	0.00237759	0.01595117

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<i>Hcfc1r1</i>	-1.1791	6.3687	9.2211	0.00239237	0.01603559
<i>Gm2916</i>	-3.9993	-1.9588	9.2030	0.00241621	0.0161606
<i>Olf1r173</i>	-1.3786	-0.2637	9.1752	0.0024532	0.0163584
<i>Stab2</i>	-1.4844	0.3355	9.1705	0.00245951	0.01638497
<i>Ckm</i>	-1.0806	12.2318	9.1660	0.00246554	0.01641013
<i>Rgs9</i>	-1.2715	0.9098	9.1197	0.00252869	0.01675893
<i>Cyt11</i>	-1.0289	2.5229	9.1123	0.00253897	0.01681578
<i>Nova1</i>	-1.1111	4.7743	9.1105	0.00254141	0.01682281
<i>Map2k6</i>	-1.1245	3.3466	9.0941	0.00256435	0.01693353
<i>Tnnt3</i>	-1.1620	12.2208	9.0690	0.00259985	0.01714664
<i>Ccdc155</i>	-4.0032	-1.9581	9.0240	0.00266455	0.01746842
<i>Calcb</i>	-1.2708	3.9589	9.0202	0.00267009	0.01748998
<i>Kcnk7</i>	-1.1928	3.7068	9.0201	0.0026703	0.01748998
<i>Cox6a2</i>	-1.0538	7.6919	8.9743	0.00273809	0.01786468
<i>Alox12e</i>	-2.0894	7.4486	8.9542	0.00276831	0.01801341
<i>Lce1a2</i>	-1.9418	8.1849	8.9488	0.00277644	0.01806095
<i>Tmod4</i>	-1.1155	6.8519	8.9452	0.00278205	0.01808122
<i>Xlr3a</i>	-3.3202	-1.4932	8.9287	0.00280732	0.01821365
<i>Olf1r1129</i>	-1.6204	-0.5047	8.9226	0.00281663	0.01825706
<i>Ccdc63</i>	-2.8287	-0.5638	8.8999	0.00285184	0.01844697
<i>Lax1</i>	-1.1929	2.0637	8.8953	0.00285911	0.01847758
<i>Slc16a11</i>	-1.4280	1.8646	8.8790	0.0028847	0.01856601
<i>Acss1</i>	-1.3269	6.7616	8.8769	0.00288806	0.01858218
<i>Frmptd1</i>	-1.3560	4.7188	8.8745	0.00289189	0.01860133
<i>Gabrq</i>	-1.9937	-1.0428	8.8616	0.00291237	0.01869996
<i>Stx19</i>	-1.0203	3.2940	8.8477	0.00293465	0.01879333
<i>Wnt3</i>	-1.6664	6.0414	8.8389	0.00294878	0.0188561
<i>Hoxb6</i>	-1.0318	2.1978	8.8314	0.0029609	0.01890914
<i>Nccrp1</i>	-1.3613	7.8705	8.8291	0.00296461	0.01891305
<i>Gm94</i>	-1.3899	7.3247	8.8058	0.00300276	0.01911173
<i>Csnk2a2</i>	-1.0353	7.5558	8.7738	0.00305586	0.01938751
<i>Lipn</i>	-1.2876	4.0265	8.7646	0.00307135	0.01946882
<i>Scml2</i>	-1.0684	1.9341	8.7432	0.00310761	0.01965871
<i>Pbx4</i>	-2.1326	-0.6727	8.7202	0.00314701	0.01985615
<i>Lce1d</i>	-1.8266	7.2550	8.7166	0.00315326	0.01988548
<i>Cysrt1</i>	-1.1748	6.2097	8.7070	0.00316995	0.0199663
<i>Ldlrad1</i>	-4.3299	-1.8419	8.7040	0.00317507	0.01998703
<i>Bdh2</i>	-1.4021	0.6804	8.6907	0.0031983	0.02009844
<i>Tnfsf15</i>	-1.9776	-0.3610	8.6875	0.00320407	0.02011735
<i>Cks1brt</i>	-1.9637	-1.0462	8.6537	0.00326396	0.02038337
<i>Ptgs1</i>	-1.0825	7.4177	8.6473	0.00327538	0.02044163
<i>Slc4a9</i>	-1.9972	-0.0510	8.6397	0.00328915	0.02052168
<i>Mrln</i>	-1.5620	2.7721	8.6225	0.00332032	0.02067483
<i>Slc27a2</i>	-1.8418	1.4340	8.5965	0.00336816	0.02093093
<i>Tnni2</i>	-1.0340	11.1836	8.5899	0.00338033	0.02099461
<i>Alox12</i>	-1.2853	4.2423	8.5558	0.00344427	0.02127635
<i>Olfm2</i>	-1.2271	3.7109	8.5548	0.00344616	0.02127635
<i>Gm14440</i>	-4.8419	0.8948	8.5492	0.00345668	0.02131657
<i>Lzts1</i>	-1.1519	1.7811	8.5490	0.00345705	0.02131657
<i>Krt222</i>	-1.0099	1.0371	8.5455	0.00346384	0.02133723
<i>Ccdc113</i>	-1.4305	1.9874	8.5246	0.00350377	0.02152245
<i>Ovol2</i>	-1.1020	2.2588	8.5190	0.00351464	0.02158313
<i>Gm4775</i>	-4.1610	-1.9004	8.5180	0.00351645	0.02158821
<i>Cyp2w1</i>	-2.0877	2.0084	8.5149	0.00352252	0.02161937
<i>Tpm2</i>	-1.0649	11.8180	8.5131	0.00352595	0.02163437
<i>Itga11</i>	-1.3049	4.1319	8.4975	0.00355637	0.02176616
<i>Asb10</i>	-1.1330	4.8631	8.4793	0.00359218	0.02194817
<i>Gfra4</i>	-5.3471	-1.3585	8.4750	0.00360054	0.02197468
<i>Crybg2</i>	-1.1143	6.3762	8.4669	0.0036167	0.02205478
<i>Mfsd4b5</i>	-1.4473	-0.1007	8.4376	0.00367539	0.02232537
<i>Olf1r1416</i>	-1.9015	-0.7361	8.4188	0.00371355	0.02252581
<i>Gramd1c</i>	-1.2614	5.1554	8.4058	0.00374023	0.02264365
<i>Aox3</i>	-1.0596	0.6693	8.3767	0.00380058	0.02293459

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<i>BC016579</i>	-1.0707	2.9367	8.3715	0.00381154	0.02296706
<i>Krtap3-2</i>	-2.2824	5.2036	8.3566	0.00384291	0.02311339
<i>Lypd6b</i>	-1.1188	4.6518	8.3561	0.00384391	0.02311339
<i>Clca3a2</i>	-1.6103	9.1205	8.3559	0.00384429	0.02311339
<i>Cd3g</i>	-1.1388	3.4868	8.3517	0.00385326	0.0231482
<i>Olf1342</i>	-3.1826	-1.5481	8.3471	0.00386314	0.02319478
<i>Phf21b</i>	-1.0573	1.3260	8.3449	0.00386771	0.02320304
<i>Cacna1s</i>	-1.1329	8.4339	8.3326	0.00389404	0.02330341
<i>Il20ra</i>	-2.4504	5.7565	8.3183	0.00392471	0.02346122
<i>Gdpd2</i>	-1.3678	5.6465	8.3176	0.00392624	0.02346392
<i>Mroh6</i>	-1.0669	3.9063	8.2992	0.00396635	0.02359383
<i>Lce1m</i>	-2.4791	9.6182	8.2957	0.00397388	0.02362377
<i>Rnase2a</i>	-1.7420	1.3535	8.2838	0.00399996	0.0237162
<i>Trp53inp1</i>	-1.2951	5.0079	8.2709	0.00402856	0.02384118
<i>Ttn</i>	-1.0719	12.0856	8.2666	0.00403803	0.02386418
<i>Srcin1</i>	-1.7930	6.0243	8.2409	0.00409574	0.02415108
<i>C130060K24Rik</i>	-4.8195	-1.5973	8.2184	0.00414667	0.02441338
<i>Abca6</i>	-1.3240	3.0375	8.2113	0.00416313	0.02448419
<i>Ddit4l</i>	-2.2606	5.5264	8.2067	0.00417349	0.02453187
<i>Zfp952</i>	-1.0004	2.5799	8.2006	0.00418771	0.02460222
<i>Zmat4</i>	-2.8969	-0.6841	8.1906	0.00421069	0.02470399
<i>Etv2</i>	-3.9882	-1.9602	8.1718	0.00425477	0.02492241
<i>Lrrc17</i>	-1.0521	3.6192	8.1611	0.00427985	0.02504248
<i>Tmem229a</i>	-1.5688	2.6379	8.1596	0.00428328	0.02505582
<i>Chrne</i>	-1.7509	0.2632	8.1169	0.0043855	0.02554425
<i>Gm996</i>	-1.9896	-0.1538	8.1140	0.00439254	0.02557348
<i>Asb14</i>	-1.3324	4.1155	8.1088	0.00440519	0.02561795
<i>Cacnb2</i>	-1.3653	0.0367	8.1027	0.00442003	0.02568368
<i>Srl</i>	-1.0093	8.9572	8.0953	0.004438	0.0257744
<i>Hrasls</i>	-1.1984	3.3590	8.0925	0.00444495	0.02580791
<i>Ucp1</i>	-3.0140	-1.6368	8.0697	0.00450121	0.02606524
<i>Wnt3a</i>	-1.1067	2.8125	8.0661	0.0045102	0.02610344
<i>Olf1720</i>	-2.8990	-1.6862	8.0532	0.00454222	0.02624006
<i>Edar</i>	-1.2898	-0.1381	8.0459	0.00456058	0.02631826
<i>Acpp</i>	-1.0802	7.8227	8.0450	0.00456297	0.02632512
<i>Rgag1</i>	-2.3541	-1.2646	8.0408	0.00457364	0.02635182
<i>Pde4dip</i>	-1.1346	10.4546	8.0395	0.00457679	0.02635605
<i>Hus1b</i>	-3.8153	-2.0206	8.0383	0.00457974	0.02636011
<i>Btc</i>	-1.7785	5.7110	8.0335	0.00459205	0.02642304
<i>Sh2d7</i>	-1.2763	1.3064	8.0179	0.00463183	0.02661689
<i>Actn3</i>	-1.2685	10.6955	8.0134	0.0046433	0.02666174
<i>Serpinb9b</i>	-1.3475	1.4357	8.0088	0.00465518	0.02670184
<i>Lgi3</i>	-1.0652	0.5328	8.0047	0.00466556	0.02674735
<i>Bco2</i>	-1.1166	1.7376	7.9958	0.00468853	0.02681562
<i>Oas1e</i>	-2.0634	1.6617	7.9939	0.00469342	0.0268366
<i>Mapk13</i>	-1.0612	6.8495	7.9895	0.00470498	0.02688155
<i>Fthl17a</i>	-2.2193	-1.3363	7.9583	0.00478676	0.02727105
<i>Mboat2</i>	-1.4053	6.9212	7.9555	0.00479402	0.02730162
<i>Skint1</i>	-1.3571	3.7028	7.9553	0.00479476	0.02730162
<i>Alox8</i>	-1.4544	0.8345	7.9226	0.00488218	0.02767668
<i>2010109I03Rik</i>	-1.0993	4.5813	7.9035	0.00493385	0.0279044
<i>Igsf1</i>	-1.7467	0.2199	7.8997	0.00494427	0.02794881
<i>Vps37d</i>	-1.4180	-0.1963	7.8929	0.00496302	0.02803303
<i>Il17rb</i>	-1.2768	1.4746	7.8775	0.00500533	0.02822864
<i>Paqr5</i>	-1.3880	4.8254	7.8636	0.00504405	0.02841658
<i>Kprp</i>	-1.5697	9.0040	7.8612	0.00505055	0.02843914
<i>Cnih2</i>	-1.5879	0.8028	7.8549	0.00506836	0.02853205
<i>Dpp4</i>	-1.0318	5.9257	7.8450	0.00509625	0.02865216
<i>Ctnnbip1</i>	-1.0658	6.3456	7.8268	0.00514773	0.02891178
<i>Clca2</i>	-1.3693	6.7788	7.8094	0.00519762	0.02911705
<i>Olf111</i>	-1.8748	-0.7948	7.8077	0.0052025	0.02912944
<i>Fgf22</i>	-1.2477	3.0610	7.7852	0.00526759	0.02944861
<i>Lrtm1</i>	-1.4565	-0.0466	7.7770	0.00529157	0.02952933

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<i>Lbx1</i>	-1.0001	3.6144	7.7761	0.0052942	0.02952933
<i>Gria2</i>	-3.1601	-1.4056	7.7642	0.00532916	0.02971672
<i>Car6</i>	-2.1352	3.7917	7.7608	0.00533926	0.02976541
<i>Tcp10a</i>	-3.8294	-2.0185	7.7501	0.00537081	0.02990313
<i>Snph</i>	-1.7001	-0.4251	7.7399	0.00540137	0.03001206
<i>Gjb5</i>	-1.5489	6.0271	7.7150	0.00547634	0.03038993
<i>Kif19a</i>	-1.0722	0.5039	7.7101	0.00549131	0.03044977
<i>Gm9821</i>	-1.2101	3.0757	7.7016	0.00551733	0.03057852
<i>Olf1410</i>	-2.2027	-1.3339	7.6971	0.00553106	0.03064686
<i>Zfp459</i>	-1.1058	0.6395	7.6632	0.00563581	0.03110882
<i>Ccdc142</i>	-2.9643	-1.1055	7.6315	0.00573588	0.03161323
<i>Bhlha9</i>	-2.6316	-0.8708	7.6269	0.00575052	0.03166193
<i>Plcxd2</i>	-1.2142	4.2271	7.6215	0.00576757	0.03172383
<i>Islr</i>	-1.0398	5.4488	7.6172	0.00578143	0.03178402
<i>Defb15</i>	-2.8983	-1.6871	7.6150	0.00578853	0.03181503
<i>Pla2g2f</i>	-1.0983	8.3656	7.5994	0.00583891	0.03202743
<i>Krtdap</i>	-1.0692	10.2315	7.5947	0.00585412	0.03207057
<i>4932411N23Rik</i>	-2.0030	-0.8776	7.5927	0.0058605	0.0320975
<i>Agtr2</i>	-1.5118	-0.2635	7.5719	0.00592863	0.0323489
<i>Krt78</i>	-1.3511	8.1591	7.5650	0.00595122	0.03243164
<i>Rgs6</i>	-1.3299	0.9287	7.5490	0.00600432	0.03267587
<i>Mt4</i>	-2.3069	5.2600	7.5376	0.00604228	0.0328132
<i>Rhbdl2</i>	-1.2415	3.8975	7.5365	0.006046	0.0328252
<i>Asb18</i>	-1.3289	3.1246	7.5332	0.00605715	0.03286943
<i>Tfr2</i>	-1.3630	0.5626	7.5309	0.00606482	0.03289055
<i>Map2</i>	-1.0101	6.0742	7.5307	0.00606557	0.03289055
<i>Gal3st4</i>	-1.4348	3.8244	7.5196	0.0061032	0.03305359
<i>Fmo6</i>	-3.8208	-2.0197	7.5159	0.00611583	0.03310556
<i>Tmem54</i>	-1.0156	6.0465	7.5140	0.00612199	0.03312248
<i>Gp1bb</i>	-1.1685	3.0352	7.5094	0.00613785	0.03319184
<i>Rpl9-ps6</i>	-2.8953	-0.8260	7.5004	0.00616859	0.0333168
<i>Il18</i>	-1.1290	5.7399	7.4773	0.00624823	0.03364706
<i>Hmgcs2</i>	-1.0268	5.5201	7.4717	0.0062678	0.03374408
<i>Lce1i</i>	-1.4762	6.2563	7.4634	0.00629673	0.03381525
<i>Lrrc74b</i>	-1.7143	1.9896	7.4630	0.00629805	0.03381525
<i>Gprasp2</i>	-1.6309	-0.0478	7.4510	0.00634024	0.03397492
<i>Mlana</i>	-2.4601	-1.5028	7.4400	0.00637913	0.0341498
<i>Celf4</i>	-1.0462	2.7424	7.4390	0.00638252	0.03415716
<i>Olf133</i>	-2.3580	-1.5468	7.4311	0.00641055	0.03422568
<i>Clca1</i>	-1.5843	2.6254	7.4292	0.0064175	0.03423764
<i>Mybpc2</i>	-1.0894	10.7671	7.3951	0.00654035	0.03480798
<i>Rgs11</i>	-3.5304	-1.1873	7.3730	0.00662116	0.0351866
<i>Ky</i>	-1.1880	5.5032	7.3706	0.00662977	0.0352152
<i>Dmkn</i>	-1.0482	11.5693	7.3527	0.00669621	0.03549042
<i>Atp2b3</i>	-1.3338	1.0063	7.3457	0.00672224	0.03560244
<i>4921507P07Rik</i>	-1.5518	-0.0505	7.3440	0.00672852	0.03562703
<i>Col2a1</i>	-2.8175	-1.7195	7.3419	0.00673649	0.03565194
<i>Hoxa7</i>	-1.2719	5.4566	7.3410	0.0067399	0.03565273
<i>Slc27a5</i>	-2.7794	-1.6302	7.3367	0.00675592	0.0357013
<i>Olf1348</i>	-3.8207	-2.0198	7.3279	0.00678935	0.03583616
<i>Napb</i>	-7.2016	-0.0274	7.3153	0.00683684	0.03600281
<i>Slc35f1</i>	-1.1477	0.3721	7.3028	0.00688476	0.036191
<i>Dscaml1</i>	-3.6662	-2.0680	7.3008	0.00689249	0.03621418
<i>Tll10</i>	-1.1928	0.7963	7.2979	0.00690347	0.03625442
<i>Hfe2</i>	-1.1106	7.0316	7.2949	0.00691509	0.03629801
<i>Vit</i>	-1.0047	3.2146	7.2921	0.00692566	0.03633267
<i>Aqp4</i>	-1.5588	3.4375	7.2919	0.0069267	0.03633267
<i>Hcn2</i>	-1.0383	1.1249	7.2777	0.00698175	0.03655996
<i>Agrp</i>	-1.5044	0.5442	7.2733	0.00699879	0.03657678
<i>BC048671</i>	-2.7801	-1.7390	7.2707	0.00700883	0.03657678
<i>Rsrp1</i>	-1.0637	4.9255	7.2581	0.00705834	0.03678457
<i>Pitx3</i>	-1.3665	1.4675	7.2475	0.00709981	0.03695657
<i>Serpinb7</i>	-1.4662	6.6573	7.2230	0.00719769	0.03736806

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<i>Mapk15</i>	-1.8344	0.1546	7.2149	0.00723026	0.0374748
<i>2310046K23Rik</i>	-1.0163	8.2818	7.2122	0.00724095	0.03751787
<i>Bbox1</i>	-1.6051	6.2016	7.2073	0.00726087	0.03759844
<i>Plcxd1</i>	-1.1025	1.7968	7.1660	0.00742991	0.03832758
<i>Gm15737</i>	-1.4517	1.3896	7.1541	0.0074791	0.03853944
<i>Cap2</i>	-1.0095	6.4430	7.1490	0.00750057	0.0386191
<i>Smim5</i>	-1.0927	3.5635	7.1460	0.00751319	0.0386476
<i>Efnb3</i>	-1.0578	1.1549	7.1286	0.00758655	0.03897902
<i>Gpr50</i>	-3.7077	-2.0539	7.1114	0.00765973	0.03927187
<i>Phkb</i>	-1.0545	7.1238	7.0986	0.00771431	0.0394775
<i>Elmod1</i>	-1.2938	5.5973	7.0808	0.00779155	0.03977953
<i>D630003M21Rik</i>	-1.0723	0.3818	7.0665	0.007854	0.03993959
<i>Ugt3a2</i>	-1.9571	0.7621	7.0567	0.00789711	0.04010277
<i>Ndufa4l2</i>	-1.5631	6.8323	7.0504	0.00792472	0.04021491
<i>Sdcbp2</i>	-1.0553	5.6471	7.0480	0.00793525	0.04025508
<i>Nlrp1a</i>	-1.6281	1.2758	7.0466	0.00794164	0.04027269
<i>Mrgprb3</i>	-1.9132	3.1279	7.0408	0.00796749	0.04037564
<i>Ankfn1</i>	-3.7443	-2.0468	7.0385	0.00797741	0.04040717
<i>Slc25a21</i>	-3.0239	-1.6390	7.0225	0.00804931	0.04067695
<i>Asmt</i>	-3.6097	-2.0843	7.0200	0.00806053	0.04071483
<i>Ogn</i>	-1.1210	6.0950	7.0046	0.00813024	0.04097213
<i>Cux2</i>	-1.0866	0.1928	6.9930	0.00818282	0.04113268
<i>Tpm1</i>	-1.0366	11.2931	6.9560	0.00835366	0.04177021
<i>Kir3dl2</i>	-1.1853	1.2392	6.9420	0.00841942	0.04204123
<i>Shisa3</i>	-1.2916	0.4788	6.9176	0.00853513	0.04252177
<i>Il22ra2</i>	-1.4231	4.2091	6.9136	0.00855432	0.04258823
<i>Itpka</i>	-1.0425	0.9738	6.9092	0.00857546	0.04266431
<i>Wfdc9</i>	-3.6160	-2.0832	6.9014	0.00861289	0.04277251
<i>1700007K09Rik</i>	-2.0135	-1.2227	6.8936	0.00865025	0.04293852
<i>Gabrr1</i>	-2.7715	-1.3399	6.8668	0.0087813	0.04349017
<i>Arhgap20</i>	-1.3308	2.9129	6.8608	0.00881092	0.04360719
<i>Rgs9bp</i>	-1.0860	1.5006	6.8475	0.00887639	0.04387152
<i>Riiad1</i>	-1.5632	0.3903	6.8434	0.00889686	0.04396274
<i>Dusp26</i>	-1.1045	2.4097	6.8305	0.00896155	0.04423235
<i>Hs3st5</i>	-1.3438	0.8357	6.8244	0.00899229	0.04434396
<i>Apol9a</i>	-1.5449	1.9212	6.8107	0.00906108	0.04462273
<i>Tssk1</i>	-1.6762	-1.0557	6.7954	0.00913921	0.04486576
<i>Capn9</i>	-1.1592	1.5858	6.7930	0.00915168	0.04489671
<i>5430419D17Rik</i>	-1.2201	1.1822	6.7909	0.00916253	0.04493986
<i>Pou1f1</i>	-2.5763	-1.4304	6.7782	0.00922755	0.04522827
<i>Sap25</i>	-2.0665	2.3486	6.7694	0.00927345	0.04538569
<i>Gm27021</i>	-2.3236	-1.2146	6.7598	0.00932353	0.04558609
<i>Olf1245</i>	-3.5536	-2.1007	6.7535	0.0093566	0.04571135
<i>S100g</i>	-2.2105	-1.3365	6.7382	0.00943711	0.04598693
<i>Lce6a</i>	-1.5187	5.5218	6.7269	0.00949701	0.04619633
<i>Ace2</i>	-1.0136	5.0854	6.7215	0.00952585	0.04631261
<i>Gm28308</i>	-2.0587	-1.2668	6.7199	0.00953449	0.04633737
<i>Gsta2</i>	-1.2677	2.9957	6.7181	0.00954377	0.04637213
<i>Adgre4</i>	-1.0082	2.0504	6.6964	0.00966078	0.04682603
<i>Fgf20</i>	-2.2381	-0.9094	6.6842	0.00972685	0.04710443
<i>2410137M14Rik</i>	-2.0117	-0.3393	6.6770	0.0097663	0.04720127
<i>Fam131b</i>	-1.0456	1.6595	6.6272	0.01004338	0.04828386
<i>Lmntd2</i>	-1.1805	1.4293	6.6216	0.0100752	0.04839424
<i>Adgrv1</i>	-1.2381	0.5251	6.6190	0.01008953	0.04844175
<i>Hal</i>	-1.1825	8.3873	6.6177	0.0100971	0.04846742
<i>4930412O13Rik</i>	-1.2630	0.7268	6.5852	0.01028274	0.04914239

Supplementary_Table_S5

Supplementary Table S5. The KEGG pathways upregulated in the CHS samples compared with the VT controls

Pathway ID	Pathway description	Nominal P-value
mmu00100	Steroid biosynthesis	9.81E-003
mmu00565	Ether lipid metabolism	2.67E-003
mmu00590	Arachidonic acid metabolism	1.43E-003
mmu00591	Linoleic acid metabolism	3.30E-004
mmu00592	alpha-Linolenic acid metabolism	1.24E-003
mmu00240	Pyrimidine metabolism	1.61E-002
mmu00563	Glycosylphosphatidylinositol (GPI)-anchor biosynthesis	1.16E-002
mmu00670	One carbon pool by folate	1.06E-002
mmu00900	Terpenoid backbone biosynthesis	1.37E-002
mmu00232	Caffeine metabolism	2.94E-003
mmu00524	Neomycin, kanamycin and gentamicin biosynthesis	1.55E-002
mmu00983	Drug metabolism - other enzymes	1.76E-002
mmu03040	Spliceosome	6.14E-003
mmu03013	RNA transport	1.47E-002
mmu03015	mRNA surveillance pathway	1.07E-002
mmu03018	RNA degradation	6.29E-003
mmu03030	DNA replication	7.26E-004
mmu03410	Base excision repair	8.60E-003
mmu03420	Nucleotide excision repair	7.87E-003
mmu03430	Mismatch repair	1.71E-003
mmu03440	Homologous recombination	4.22E-003
mmu03450	Non-homologous end-joining	1.23E-003
mmu03460	Fanconi anemia pathway	3.10E-003
mmu04370	VEGF signaling pathway	8.95E-005
mmu04064	NF-kappa B signaling pathway	7.10E-003
mmu04668	TNF signaling pathway	3.41E-003
mmu04110	Cell cycle	2.02E-003
mmu04210	Apoptosis	3.85E-003
mmu04215	Apoptosis - multiple species	8.39E-004
mmu04217	Necroptosis	6.79E-004
mmu04622	RIG-I-like receptor signaling pathway	2.29E-003
mmu04657	IL-17 signaling pathway	7.28E-004
mmu04664	Fc epsilon RI signaling pathway	5.94E-003
mmu04913	Ovarian steroidogenesis	2.43E-003
mmu04914	Progesterone-mediated oocyte maturation	3.05E-003
mmu04978	Mineral absorption	6.15E-004
mmu04966	Collecting duct acid secretion	1.33E-002
mmu04726	Serotonergic synapse	1.35E-003
mmu04730	Long-term depression	2.86E-003

Supplementary_Table_S6

Supplementary Table S6. The KEGG pathways downregulated in the CHS samples compared with the VT controls

Pathway ID	Pathway description	Nominal P-value
mmu01210	2-Oxocarboxylic acid metabolism	1.09E-002
mmu00010	Glycolysis / Gluconeogenesis	6.50E-003
mmu00020	Citrate cycle (TCA cycle)	9.64E-003
mmu00500	Starch and sucrose metabolism	2.30E-003
mmu00620	Pyruvate metabolism	2.61E-003
mmu00640	Propanoate metabolism	4.26E-003
mmu00280	Valine, leucine and isoleucine degradation	1.45E-002
mmu00440	Phosphonate and phosphinate metabolism	1.65E-002
mmu00471	D-Glutamine and D-glutamate metabolism	8.91E-005
mmu00603	Glycosphingolipid biosynthesis - globo and isoglobo series	3.91E-004
mmu00604	Glycosphingolipid biosynthesis - ganglio series	1.15E-002
mmu00760	Nicotinate and nicotinamide metabolism	4.56E-003
mmu00785	Lipoic acid metabolism	1.05E-002
mmu04015	Rap1 signaling pathway	7.99E-003
mmu04310	Wnt signaling pathway	2.69E-003
mmu04340	Hedgehog signaling pathway	1.69E-002
mmu04371	Apelin signaling pathway	8.66E-004
mmu04068	FoxO signaling pathway	3.32E-003
mmu04020	Calcium signaling pathway	4.97E-003
mmu04024	cAMP signaling pathway	4.26E-003
mmu04022	cGMP-PKG signaling pathway	1.20E-003
mmu04152	AMPK signaling pathway	1.06E-002
mmu04080	Neuroactive ligand-receptor interaction	9.16E-004
mmu04146	Peroxisome	9.47E-003
mmu04510	Focal adhesion	1.12E-002
mmu04911	Insulin secretion	1.52E-002
mmu04910	Insulin signaling pathway	4.10E-003
mmu04922	Glucagon signaling pathway	3.18E-003
mmu04923	Regulation of lipolysis in adipocytes	3.00E-003
mmu04915	Estrogen signaling pathway	1.03E-002
mmu04921	Oxytocin signaling pathway	1.36E-002
mmu04916	Melanogenesis	8.16E-004
mmu04924	Renin secretion	6.58E-003
mmu04925	Aldosterone synthesis and secretion	6.93E-004
mmu04261	Adrenergic signaling in cardiomyocytes	1.19E-002
mmu04270	Vascular smooth muscle contraction	8.84E-003
mmu04970	Salivary secretion	3.64E-003
mmu04971	Gastric acid secretion	3.18E-003
mmu04972	Pancreatic secretion	1.81E-002
mmu04962	Vasopressin-regulated water reabsorption	1.06E-002
mmu04961	Endocrine and other factor-regulated calcium reabsorption	9.23E-003
mmu04727	GABAergic synapse	1.19E-003
mmu04725	Cholinergic synapse	1.07E-003
mmu04728	Dopaminergic synapse	3.64E-003
mmu04720	Long-term potentiation	5.56E-003
mmu04723	Retrograde endocannabinoid signaling	2.87E-003
mmu04213	Longevity regulating pathway - multiple species	1.27E-003
mmu04713	Circadian entrainment	5.48E-004
mmu04714	Thermogenesis	4.03E-003

Supplementary_Table_S7

Supplementary Table S7. The KEGG pathways upregulated in the SSS samples compared with the NT controls

Pathway ID	Pathway description	Nominal P-value
mmu01100	Metabolic pathways	1.36E-002
mmu00520	Amino sugar and nucleotide sugar metabolism	3.52E-004
mmu00230	Purine metabolism	7.65E-003
mmu00240	Pyrimidine metabolism	1.19E-002
mmu00330	Arginine and proline metabolism	6.26E-004
mmu00430	Taurine and hypotaurine metabolism	1.20E-002
mmu00510	N-Glycan biosynthesis	1.09E-004
mmu00512	Mucin type O-glycan biosynthesis	7.41E-003
mmu00532	Glycosaminoglycan biosynthesis - chondroitin sulfate / dermatan sulfate	2.58E-003
mmu00790	Folate biosynthesis	5.88E-003
mmu00860	Porphyrin and chlorophyll metabolism	9.77E-004
mmu00232	Caffeine metabolism	8.62E-004
mmu03060	Protein export	9.73E-003
mmu04141	Protein processing in endoplasmic reticulum	7.02E-004
mmu04015	Rap1 signaling pathway	1.16E-002
mmu04010	MAPK signaling pathway	5.67E-003
mmu04370	VEGF signaling pathway	5.80E-003
mmu04630	Jak-STAT signaling pathway	5.60E-004
mmu04064	NF-kappa B signaling pathway	1.42E-004
mmu04668	TNF signaling pathway	1.10E-005
mmu04066	HIF-1 signaling pathway	1.18E-002
mmu04151	PI3K-Akt signaling pathway	2.62E-003
mmu04060	Cytokine-cytokine receptor interaction	4.32E-005
mmu04512	ECM-receptor interaction	1.11E-002
mmu04514	Cell adhesion molecules (CAMs)	2.39E-003
mmu04145	Phagosome	2.54E-003
mmu04210	Apoptosis	2.05E-003
mmu04215	Apoptosis - multiple species	1.38E-002
mmu04216	Ferroptosis	5.14E-003
mmu04217	Necroptosis	3.79E-004
mmu04810	Regulation of actin cytoskeleton	2.13E-003
mmu04640	Hematopoietic cell lineage	1.03E-003
mmu04610	Complement and coagulation cascades	1.95E-003
mmu04620	Toll-like receptor signaling pathway	1.19E-005
mmu04621	NOD-like receptor signaling pathway	5.89E-005
mmu04622	RIG-I-like receptor signaling pathway	4.74E-003
mmu04623	Cytosolic DNA-sensing pathway	1.42E-005
mmu04625	C-type lectin receptor signaling pathway	2.57E-004
mmu04650	Natural killer cell mediated cytotoxicity	1.38E-002
mmu04657	IL-17 signaling pathway	2.57E-005
mmu04664	Fc epsilon RI signaling pathway	8.54E-004
mmu04666	Fc gamma R-mediated phagocytosis	1.42E-003
mmu04670	Leukocyte transendothelial migration	1.30E-003
mmu04672	Intestinal immune network for IgA production	5.39E-003
mmu04062	Chemokine signaling pathway	5.64E-005
mmu04380	Osteoclast differentiation	9.15E-004

Supplementary_Table_S8

Supplementary Table S8. The KEGG pathways downregulated in the SSS samples compared with the NT controls

Pathway ID	Pathway description	Nominal P-value
mmu00562	Inositol phosphate metabolism	2.97E-003
mmu00920	Sulfur metabolism	1.70E-003
mmu00310	Lysine degradation	1.10E-004
mmu00750	Vitamin B6 metabolism	1.07E-002
mmu00785	Lipoic acid metabolism	1.93E-003
mmu00982	Drug metabolism - cytochrome P450	3.95E-003
mmu04120	Ubiquitin mediated proteolysis	1.23E-003
mmu02010	ABC transporters	6.08E-003
mmu04012	ErbB signaling pathway	5.54E-003
mmu04310	Wnt signaling pathway	9.85E-004
mmu04330	Notch signaling pathway	1.08E-002
mmu04390	Hippo signaling pathway	1.37E-002
mmu04070	Phosphatidylinositol signaling system	4.28E-003
mmu04150	mTOR signaling pathway	2.00E-003
mmu04136	Autophagy - other	1.19E-003
mmu04137	Mitophagy - animal	1.03E-002
mmu04550	Signaling pathways regulating pluripotency of stem cells	2.35E-003
mmu04658	Th1 and Th2 cell differentiation	9.37E-003
mmu04919	Thyroid hormone signaling pathway	1.05E-002
mmu04740	Olfactory transduction	1.18E-003
mmu04742	Taste transduction	1.32E-002
mmu04360	Axon guidance	3.16E-003
mmu04710	Circadian rhythm	1.25E-003

Supplementary_Table_S9

Supplementary Table S9. The published 10-gene and 14-gene signatures

Category	Gene
10-gene lesional signature	<i>PI3</i>
	<i>IL17A</i>
	<i>S100A9</i>
	<i>S100A7</i>
	<i>S100A12</i>
	<i>KRT16</i>
	<i>IL22</i>
	<i>FLG</i>
	<i>PPL</i>
	<i>MX1</i>
14-gene non-lesional signature	<i>TREM1</i>
	<i>KRT16</i>
	<i>ITGAX</i>
	<i>CCL2</i>
	<i>MMP12</i>
	<i>S100A7</i>
	<i>IL22</i>
	<i>IL13</i>
	<i>CXCL1</i>
	<i>S100A9</i>
	<i>FLG</i>
	<i>IL31</i>
	<i>LOR</i>
	<i>PPL</i>