

Appendix A The details of EHH, REHH value and core haplotype frequency in 402 genes found within positively selected regions

Chr	Start_Base	End_Base	Core haplotype frequency	EHH	REHH	REHH_pValue	Gene name	Gene stable ID
12	43310101	43334133	0.421	0.540	87.240	2.23E-05	<i>ssc-mir-365-2</i>	ENSSSCG00000018147
12	43310101	43334133	0.421	0.557	74.734	4.05E-05	<i>ssc-mir-365-2</i>	ENSSSCG00000018147
3	19645363	19663387	0.495	0.396	100.000	4.05E-05	<i>KDM8</i>	ENSSSCG00000007818
3	18563845	18576843	0.535	0.350	100.000	5.95E-05	<i>RABEP2</i>	ENSSSCG00000007806
8	19205024	19205127	0.537	0.326	100.000	5.95E-05		ENSSSCG00000027340
8	19205024	19205127	0.537	0.326	100.000	5.95E-05		ENSSSCG00000027340
3	19070336	19070506	0.540	0.329	100.000	5.95E-05	<i>GSGIL</i>	ENSSSCG00000022785
3	18959961	18989147	0.547	0.335	100.000	5.95E-05	<i>GSGIL</i>	ENSSSCG00000022785
3	18959961	18989147	0.547	0.335	100.000	5.95E-05		ENSSSCG00000007813
18	5796697	5797251	0.545	0.302	96.230	6.80E-05	<i>RHEB</i>	ENSSSCG00000016434
12	47401914	47401966	0.517	0.357	95.778	6.91E-05	<i>RPH3AL</i>	ENSSSCG00000036705
3	19070336	19070506	0.540	0.328	90.269	8.47E-05	<i>GSGIL</i>	ENSSSCG00000022785
3	18959961	18989147	0.547	0.324	86.042	9.97E-05	<i>GSGIL</i>	ENSSSCG00000022785
3	18959961	18989147	0.547	0.324	86.042	9.97E-05		ENSSSCG00000007813
12	46740722	46769146	0.475	0.410	76.482	1.04E-04	<i>ABR</i>	ENSSSCG00000017804
3	18563845	18576843	0.535	0.378	83.373	1.11E-04	<i>RABEP2</i>	ENSSSCG00000007806
4	86143810	86144067	0.455	0.432	70.700	1.36E-04	<i>PBX1</i>	ENSSSCG00000006331
3	18663597	18692491	0.554	0.326	100.000	1.78E-04		ENSSSCG00000038038
3	18663597	18692491	0.554	0.321	100.000	1.78E-04		ENSSSCG00000038038
3	19420332	19433620	0.554	0.306	100.000	1.78E-04	<i>GTF3C1</i>	ENSSSCG00000007815
12	47390722	47390857	0.564	0.286	100.000	1.78E-04	<i>RPH3AL</i>	ENSSSCG00000036705
3	18498179	18517359	0.572	0.292	100.000	1.78E-04	<i>ATXN2L</i>	ENSSSCG00000021845
3	19521618	19523021	0.574	0.294	100.000	1.78E-04	<i>IL4R</i>	ENSSSCG00000007817
9	40954691	40956644	0.577	0.306	100.000	1.78E-04	<i>NCAM1</i>	ENSSSCG00000015045
17	32457009	32457075	0.577	0.335	100.000	1.78E-04	<i>SLC4A11</i>	ENSSSCG00000007157
7	120762588	120770001	0.579	0.281	100.000	1.78E-04	<i>EML1</i>	ENSSSCG00000027667
17	62536366	62554809	0.587	0.286	100.000	1.78E-04	<i>PTK6</i>	ENSSSCG00000031474
17	62536366	62554809	0.587	0.286	100.000	1.78E-04		ENSSSCG00000040118
17	62536366	62554809	0.587	0.286	100.000	1.78E-04	<i>SRMS</i>	ENSSSCG00000036706

3	18578872	18636581	0.592	0.300	100.000	1.78E-04	<i>CD19</i>	ENSSSCG00000007807
3	18578872	18636581	0.592	0.300	100.000	1.78E-04	<i>NFATC2IP</i>	ENSSSCG00000007808
3	18578872	18636581	0.592	0.300	100.000	1.78E-04	<i>LAT</i>	ENSSSCG00000007811
3	18578872	18636581	0.592	0.300	100.000	1.78E-04	<i>SPNS1</i>	ENSSSCG00000007809
3	18578872	18636581	0.592	0.300	100.000	1.78E-04		ENSSSCG000000035130
3	18578872	18636581	0.592	0.273	100.000	1.78E-04	<i>CD19</i>	ENSSSCG00000007807
3	18578872	18636581	0.592	0.273	100.000	1.78E-04	<i>NFATC2IP</i>	ENSSSCG00000007808
3	18578872	18636581	0.592	0.273	100.000	1.78E-04	<i>LAT</i>	ENSSSCG00000007811
3	18578872	18636581	0.592	0.273	100.000	1.78E-04	<i>SPNS1</i>	ENSSSCG00000007809
3	18578872	18636581	0.592	0.273	100.000	1.78E-04		ENSSSCG000000035130
3	18537951	18560340	0.599	0.270	100.000	1.78E-04	<i>ATP2A1</i>	ENSSSCG00000007805
9	27813283	28138849	0.423	0.534	47.877	2.04E-04	<i>MTMR2</i>	ENSSSCG00000014970
9	27813283	28138849	0.423	0.534	47.877	2.04E-04	<i>MAML2</i>	ENSSSCG000000034879
7	121032237	121038376	0.616	0.235	100.000	2.17E-04	<i>EVL</i>	ENSSSCG000000037105
3	18129089	18140867	0.621	0.247	100.000	2.17E-04	<i>KCTD13</i>	ENSSSCG000000040888
2	3017728	3026802	0.626	0.252	100.000	2.17E-04		ENSSSCG000000031191
12	3575915	3576074	0.629	0.237	100.000	2.17E-04	<i>DNAH17</i>	ENSSSCG000000036056
17	62502710	62503338	0.629	0.249	100.000	2.17E-04	<i>KCNQ2</i>	ENSSSCG000000031746
3	125048077	125064959	0.634	0.245	100.000	2.17E-04	<i>LPIN1</i>	ENSSSCG00000008624
17	61827343	61829934	0.634	0.233	100.000	2.17E-04	<i>GATA5</i>	ENSSSCG00000007538
17	61827343	61829934	0.634	0.231	100.000	2.17E-04	<i>GATA5</i>	ENSSSCG00000007538
2	38750895	38754306	0.636	0.234	100.000	2.17E-04	<i>NELL1</i>	ENSSSCG000000039940
17	61777493	61784338	0.636	0.235	100.000	2.17E-04	<i>RBBP8NL</i>	ENSSSCG00000007539
17	61777493	61784338	0.636	0.243	100.000	2.17E-04	<i>RBBP8NL</i>	ENSSSCG00000007539
2	5205760	5205971	0.641	0.202	100.000	2.17E-04	<i>SSH3</i>	ENSSSCG000000027956
2	5205760	5205971	0.641	0.202	100.000	2.17E-04	<i>ANKRD13D</i>	ENSSSCG00000012917
7	121009147	121026533	0.646	0.214	100.000	2.17E-04	<i>EVL</i>	ENSSSCG000000037105
7	121009147	121026533	0.646	0.214	100.000	2.17E-04	<i>ssc-mir-342</i>	ENSSSCG000000033639
6	157394581	157396796	0.475	0.398	60.984	2.21E-04	<i>PCSK9</i>	ENSSSCG000000025020
3	18098683	18100685	0.597	0.273	92.677	2.24E-04	<i>SEZ6L2</i>	ENSSSCG000000029186
3	18467925	18486904	0.535	0.334	66.493	2.33E-04		ENSSSCG000000034927
3	18467925	18486904	0.535	0.334	66.493	2.33E-04		ENSSSCG000000034927

12	46631071	46631234	0.559	0.300	88.275	2.59E-04	<i>TUSC5</i>	ENSSSCG00000017801
15	137726480	137732537	0.594	0.286	85.831	2.82E-04	<i>ERFE</i>	ENSSSCG00000016337
6	160051664	160118437	0.498	0.380	56.296	2.87E-04	<i>BTF3L4</i>	ENSSSCG00000038762
12	47403311	47414735	0.572	0.292	84.050	3.00E-04	<i>RPH3AL</i>	ENSSSCG00000036705
3	18422724	18422783	0.562	0.297	82.657	3.16E-04	<i>IL27</i>	ENSSSCG00000039300
15	137713234	137717438	0.574	0.301	82.438	3.18E-04	<i>KLHL30</i>	ENSSSCG00000026600
2	39798253	39828935	0.465	0.421	53.791	3.31E-04	<i>SNORA1</i>	ENSSSCG00000018819
3	6113122	6122635	0.436	0.449	40.507	3.59E-04	<i>SMURF1</i>	ENSSSCG00000030153
3	18179034	18229608	0.567	0.297	78.681	3.65E-04		ENSSSCG00000030122
3	18179034	18229608	0.567	0.297	78.681	3.65E-04	<i>INO80E</i>	ENSSSCG00000032921
3	18179034	18229608	0.567	0.297	78.681	3.65E-04	<i>DOC2A</i>	ENSSSCG00000034635
3	18179034	18229608	0.567	0.297	78.681	3.65E-04		ENSSSCG00000037075
3	18179034	18229608	0.567	0.297	78.681	3.65E-04	<i>FAM57B</i>	ENSSSCG00000037193
3	120132509	120202348	0.423	0.526	38.836	4.13E-04		ENSSSCG00000036590
3	120132509	120202348	0.423	0.526	38.836	4.13E-04	<i>VSNL1</i>	ENSSSCG00000008615
2	39473202	39499820	0.495	0.378	50.079	4.15E-04	<i>NAV2</i>	ENSSSCG00000013351
3	18537951	18560340	0.599	0.189	74.811	4.23E-04	<i>ATP2A1</i>	ENSSSCG00000007805
3	18422953	18467910	0.547	0.319	53.832	4.53E-04		ENSSSCG00000033623
3	18422953	18467910	0.547	0.319	53.832	4.53E-04		ENSSSCG00000036603
3	18422953	18467910	0.547	0.319	53.832	4.53E-04		ENSSSCG00000036603
3	18422953	18467910	0.547	0.319	53.832	4.53E-04		ENSSSCG00000034927
3	18422953	18467910	0.547	0.319	53.832	4.53E-04		ENSSSCG00000034927
13	200372832	200390227	0.366	0.533	38.392	4.58E-04	<i>SIM2</i>	ENSSSCG00000027179
5	18176023	18176096	0.473	0.401	48.219	4.67E-04	<i>KRT8</i>	ENSSSCG00000000252
12	44160934	44161076	0.564	0.300	71.669	4.78E-04		ENSSSCG00000017754
12	44160934	44161076	0.564	0.300	71.669	4.78E-04		ENSSSCG00000017754
12	44160934	44161076	0.564	0.300	71.669	4.78E-04		ENSSSCG00000017754
1	273989485	273993745	0.411	0.558	35.490	5.53E-04	<i>COL5A1</i>	ENSSSCG00000005751
3	18920857	18920962	0.653	0.231	100.000	5.68E-04	<i>GSGIL</i>	ENSSSCG00000022785
2	5176416	5192130	0.656	0.179	100.000	5.68E-04	<i>SSH3</i>	ENSSSCG00000027956
2	5176416	5192130	0.656	0.179	100.000	5.68E-04	<i>ANKRD13D</i>	ENSSSCG00000012917
12	3118524	3121809	0.661	0.218	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498

17	62382047	62388943	0.661	0.225	100.000	5.68E-04	<i>ARFGAP1</i>	ENSSSCG00000032235
17	62382047	62388943	0.661	0.217	100.000	5.68E-04	<i>ARFGAP1</i>	ENSSSCG00000032235
12	3087838	3092919	0.666	0.212	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
12	3100288	3105001	0.666	0.216	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
2	38748700	38748844	0.668	0.212	100.000	5.68E-04	<i>NELLI</i>	ENSSSCG00000039940
12	2874179	2939529	0.671	0.206	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
12	2874179	2939529	0.671	0.212	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
17	61939075	61948445	0.671	0.213	100.000	5.68E-04	<i>SLCO4A1</i>	ENSSSCG00000039419
17	61939075	61948445	0.671	0.222	100.000	5.68E-04	<i>SLCO4A1</i>	ENSSSCG00000039419
2	5193495	5205383	0.673	0.183	100.000	5.68E-04	<i>SSH3</i>	ENSSSCG00000027956
2	5193495	5205383	0.673	0.183	100.000	5.68E-04	<i>ANKRD13D</i>	ENSSSCG00000012917
12	2793887	2839301	0.673	0.205	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
12	2793887	2839301	0.673	0.213	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
12	3125802	3126823	0.673	0.207	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
3	18926747	18926909	0.676	0.219	100.000	5.68E-04	<i>GSG1L</i>	ENSSSCG00000022785
17	61443255	61443432	0.678	0.207	100.000	5.68E-04	<i>CDH4</i>	ENSSSCG00000025784
17	62556971	62559277	0.678	0.214	100.000	5.68E-04	<i>FNDC11</i>	ENSSSCG00000038651
3	19459726	19464284	0.681	0.203	100.000	5.68E-04	<i>IL21R</i>	ENSSSCG00000007816
12	53940048	53944064	0.681	0.177	100.000	5.68E-04	<i>PIK3R6</i>	ENSSSCG00000017990
12	53940048	53944064	0.681	0.189	100.000	5.68E-04	<i>PIK3R6</i>	ENSSSCG00000017990
7	121026904	121027773	0.686	0.190	100.000	5.68E-04	<i>EVL</i>	ENSSSCG00000037105
12	3045807	3046573	0.686	0.211	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
12	3045807	3046573	0.686	0.200	100.000	5.68E-04	<i>RBFOX3</i>	ENSSSCG00000039498
17	61439245	61441645	0.693	0.195	100.000	5.68E-04	<i>CDH4</i>	ENSSSCG00000025784
17	62051719	62077389	0.698	0.188	100.000	5.68E-04	<i>MRGBP</i>	ENSSSCG00000035353
17	62051719	62077389	0.698	0.188	100.000	5.68E-04	<i>OGFR</i>	ENSSSCG00000034216
17	62051719	62077389	0.698	0.218	100.000	5.68E-04	<i>MRGBP</i>	ENSSSCG00000035353
17	62051719	62077389	0.698	0.218	100.000	5.68E-04	<i>OGFR</i>	ENSSSCG00000034216
2	38679404	38714181	0.676	0.204	99.874	5.70E-04	<i>NELLI</i>	ENSSSCG00000039940
13	200372832	200390227	0.366	0.533	35.586	5.83E-04	<i>SIM2</i>	ENSSSCG00000027179
7	47901170	47901237	0.455	0.424	44.616	5.93E-04	<i>TBC1D2B</i>	ENSSSCG00000027477
2	5117981	5118026	0.550	0.311	49.252	5.93E-04	<i>TBC1D10C</i>	ENSSSCG00000012912

2	5112781	5116020	0.537	0.326	48.060	6.38E-04	<i>TBCID10C</i>	ENSSSCG00000012912
5	17637613	17644782	0.413	0.507	33.634	6.57E-04		ENSSSCG00000000239
5	17637613	17644782	0.413	0.507	33.634	6.57E-04		ENSSSCG00000000239
5	17637613	17644782	0.413	0.507	33.634	6.57E-04		ENSSSCG00000000239
3	6043305	6044657	0.502	0.316	46.734	6.94E-04	<i>SMURF1</i>	ENSSSCG00000030153
12	1652060	1652122	0.616	0.267	66.733	7.03E-04	<i>BAIAP2</i>	ENSSSCG00000017142
18	5966000	5966039	0.594	0.233	62.291	7.11E-04	<i>SMARCD3</i>	ENSSSCG00000016435
12	44085273	44085411	0.619	0.254	66.166	7.20E-04	<i>KSRI</i>	ENSSSCG00000017753
2	38678641	38679322	0.653	0.215	91.165	7.22E-04	<i>NELLI</i>	ENSSSCG00000039940
7	121109843	121133924	0.619	0.257	66.040	7.23E-04	<i>YYI</i>	ENSSSCG00000037558
12	3118524	3121809	0.661	0.238	91.030	7.25E-04	<i>RBFOX3</i>	ENSSSCG00000039498
18	50138720	50138868	0.468	0.416	41.470	7.39E-04	<i>ADCY1</i>	ENSSSCG00000016726
12	44953058	44977765	0.545	0.312	45.434	7.54E-04		ENSSSCG00000035080
12	44953058	44977765	0.545	0.312	45.434	7.54E-04	<i>SNORD42</i>	ENSSSCG00000019783
12	44953058	44977765	0.545	0.312	45.434	7.54E-04	<i>TLCD1</i>	ENSSSCG00000038650
12	44953058	44977765	0.545	0.312	45.434	7.54E-04	<i>snoZ17</i>	ENSSSCG00000020020
12	44953058	44977765	0.545	0.312	45.434	7.54E-04	<i>SNORD42</i>	ENSSSCG00000038123
12	44953058	44977765	0.545	0.312	45.434	7.54E-04	<i>snoZ17</i>	ENSSSCG00000027915
12	44953058	44977765	0.545	0.312	45.434	7.54E-04	<i>NEK8</i>	ENSSSCG00000017766
12	44953058	44977765	0.545	0.312	45.434	7.54E-04	<i>TRAF4</i>	ENSSSCG00000032658
2	5133629	5154054	0.495	0.384	41.036	7.62E-04	<i>CLCF1</i>	ENSSSCG00000012915
7	121039176	121050209	0.634	0.222	64.237	7.81E-04	<i>EVL</i>	ENSSSCG00000037105
1	161188048	161188121	0.606	0.248	64.185	7.83E-04		ENSSSCG00000034264
1	161188048	161188121	0.606	0.248	64.185	7.83E-04		ENSSSCG00000026454
18	50436969	50449571	0.510	0.338	44.368	8.09E-04	<i>CCM2</i>	ENSSSCG00000016734
6	155601533	155601598	0.438	0.393	31.382	8.17E-04	<i>FYB2</i>	ENSSSCG00000038041
18	3281999	3288919	0.542	0.315	44.021	8.28E-04	<i>DPP6</i>	ENSSSCG00000016423
15	137814707	137818217	0.520	0.269	43.888	8.35E-04	<i>PER2</i>	ENSSSCG00000016338
12	5708224	5717420	0.527	0.333	43.877	8.36E-04	<i>SAP30BP</i>	ENSSSCG00000017205
12	44085423	44106665	0.696	0.201	85.726	8.45E-04	<i>KSRI</i>	ENSSSCG00000017753
12	46856922	46857064	0.582	0.282	57.816	8.74E-04	<i>ABR</i>	ENSSSCG00000017804
12	1643366	1648658	0.572	0.292	57.445	8.90E-04	<i>BAIAP2</i>	ENSSSCG00000017142

3	5946025	5948119	0.441	0.404	30.310	9.10E-04	<i>TRRAP</i>	ENSSSCG00000007606
2	3406175	3406940	0.631	0.220	59.737	9.53E-04		ENSSSCG000000031191
3	677974	688621	0.399	0.475	30.307	9.55E-04	<i>C7orf50</i>	ENSSSCG000000038777
3	18498179	18517359	0.572	0.207	55.851	9.61E-04	<i>ATXN2L</i>	ENSSSCG000000021845
12	44074404	44083608	0.661	0.222	79.749	0.001012944	<i>KSR1</i>	ENSSSCG000000017753
14	45331526	45346445	0.651	0.199	78.007	0.001070252	<i>TTC28</i>	ENSSSCG000000009968
14	45331526	45346445	0.651	0.199	78.007	0.001070252	<i>TTC28-AS1_4</i>	ENSSSCG000000036517
4	85537779	85538935	0.485	0.426	36.475	0.001077886	<i>LMX1A</i>	ENSSSCG000000006329
3	125027494	125041711	0.703	0.188	100.000	0.001107002	<i>LPIN1</i>	ENSSSCG000000008624
12	2413030	2431028	0.703	0.182	100.000	0.001107002	<i>TBC1D16</i>	ENSSSCG000000017159
12	2413030	2431028	0.703	0.193	100.000	0.001107002	<i>TBC1D16</i>	ENSSSCG000000017159
12	3094353	3094434	0.703	0.190	100.000	0.001107002	<i>RBFOX3</i>	ENSSSCG000000039498
17	61709731	61714186	0.703	0.194	100.000	0.001107002	<i>LAMA5</i>	ENSSSCG000000032761
17	62896249	62921243	0.703	0.202	100.000	0.001107002	<i>LKAAEAR1</i>	ENSSSCG000000033548
17	62896249	62921243	0.703	0.202	100.000	0.001107002	<i>OPRL1</i>	ENSSSCG000000031228
17	62896249	62921243	0.703	0.202	100.000	0.001107002	<i>NPBWR2</i>	ENSSSCG000000037868
9	117112866	117188854	0.705	0.184	100.000	0.001107002	<i>TNN</i>	ENSSSCG000000015507
12	3073707	3081295	0.705	0.189	100.000	0.001107002	<i>RBFOX3</i>	ENSSSCG000000039498
17	61702700	61705124	0.708	0.195	100.000	0.001107002	<i>LAMA5</i>	ENSSSCG000000032761
3	19137032	19137148	0.710	0.198	100.000	0.001107002	<i>GSG1L</i>	ENSSSCG000000022785
17	61726360	61726697	0.710	0.195	100.000	0.001107002	<i>LAMA5</i>	ENSSSCG000000032761
7	11593314	11599850	0.713	0.189	100.000	0.001107002	<i>JARID2</i>	ENSSSCG000000001061
12	2286710	2344435	0.713	0.189	100.000	0.001107002	<i>GAA</i>	ENSSSCG000000017156
12	2286710	2344435	0.713	0.189	100.000	0.001107002	<i>CCDC40</i>	ENSSSCG000000017158
17	44239615	44244943	0.715	0.153	100.000	0.001107002	<i>CHD6</i>	ENSSSCG000000007360
12	2619540	2619601	0.718	0.176	100.000	0.001107002	<i>ENPP7</i>	ENSSSCG000000017163
12	2619540	2619601	0.718	0.182	100.000	0.001107002	<i>ENPP7</i>	ENSSSCG000000017163
12	2953223	2953315	0.718	0.166	100.000	0.001107002	<i>RBFOX3</i>	ENSSSCG000000039498
3	19570018	19570146	0.723	0.183	100.000	0.001107002	<i>ILAR</i>	ENSSSCG000000007817
13	71047325	71050302	0.723	0.220	100.000	0.001107002	<i>IQSEC1</i>	ENSSSCG000000027812
17	61741493	61741608	0.723	0.189	100.000	0.001107002	<i>LAMA5</i>	ENSSSCG000000032761
17	62394855	62402855	0.723	0.188	100.000	0.001107002	<i>COL20A1</i>	ENSSSCG000000037260

2	5577806	5700184	0.728	0.137	100.000	0.001107002	<i>RCE1</i>	ENSSSCG00000012927
2	5577806	5700184	0.728	0.137	100.000	0.001107002		ENSSSCG00000029902
2	5577806	5700184	0.728	0.137	100.000	0.001107002	<i>SPTBN2</i>	ENSSSCG00000038508
3	125025059	125025230	0.728	0.181	100.000	0.001107002	<i>LPIN1</i>	ENSSSCG00000008624
12	3375315	3375379	0.730	0.172	100.000	0.001107002	<i>CYTH1</i>	ENSSSCG00000017167
15	137692472	137692625	0.733	0.176	100.000	0.001107002	<i>ESPNL</i>	ENSSSCG00000016335
17	62667173	62673060	0.733	0.186	100.000	0.001107002	<i>ZBTB46</i>	ENSSSCG00000040388
18	48748524	48750069	0.733	0.150	100.000	0.001107002		ENSSSCG00000036481
17	61612286	61614502	0.735	0.175	100.000	0.001107002	<i>MTG2</i>	ENSSSCG00000037369
1	8982303	8995221	0.738	0.157	100.000	0.001107002	<i>SERAC1</i>	ENSSSCG00000012314
12	3003287	3009469	0.738	0.194	100.000	0.001107002	<i>RBFOX3</i>	ENSSSCG00000039498
12	3003287	3009469	0.738	0.175	100.000	0.001107002	<i>RBFOX3</i>	ENSSSCG00000039498
12	3476501	3487007	0.740	0.174	100.000	0.001107002	<i>DNAH17</i>	ENSSSCG00000036056
12	3581163	3581273	0.740	0.173	100.000	0.001107002	<i>DNAH17</i>	ENSSSCG00000036056
17	62627963	62640961	0.740	0.177	100.000	0.001107002	<i>ZGPAT</i>	ENSSSCG00000036595
17	62627963	62640961	0.740	0.177	100.000	0.001107002	<i>TNFRSF6B</i>	ENSSSCG00000038671
17	62627963	62640961	0.740	0.177	100.000	0.001107002	<i>ARFRP1</i>	ENSSSCG00000035304
12	50796178	50816413	0.745	0.116	100.000	0.001107002	<i>PITPNM3</i>	ENSSSCG00000017892
17	62811624	62854381	0.745	0.180	100.000	0.001107002	<i>PRPF6</i>	ENSSSCG00000029119
18	49018921	49026491	0.745	0.160	100.000	0.001107002		ENSSSCG00000016725
3	125017618	125019696	0.748	0.174	100.000	0.001107002	<i>LPIN1</i>	ENSSSCG00000008624
1	147649209	147657645	0.468	0.423	35.619	0.001154523	<i>MBP</i>	ENSSSCG00000038767
1	147649209	147657645	0.468	0.423	35.619	0.001154523		ENSSSCG00000034650
7	121173143	121198383	0.540	0.337	38.975	0.001175887	<i>SLC25A29</i>	ENSSSCG00000002520
7	121173143	121198383	0.540	0.337	38.975	0.001175887	<i>SLC25A47</i>	ENSSSCG00000002515
7	121173143	121198383	0.540	0.337	38.975	0.001175887	<i>ssc-mir-345-1</i>	ENSSSCG00000027626
12	47470110	47483165	0.579	0.285	51.591	0.001189867	<i>RPH3AL</i>	ENSSSCG00000036705
2	4877371	4877412	0.475	0.365	34.663	0.00124831	<i>NDUFS8</i>	ENSSSCG00000037455
2	4877371	4877412	0.475	0.365	34.663	0.00124831	<i>ALDH3B1</i>	ENSSSCG00000028501
1	144508638	144529876	0.347	0.639	23.934	0.001270708		ENSSSCG00000004850
9	39870455	39948035	0.480	0.370	34.388	0.001277125		ENSSSCG00000015040
9	39870455	39948035	0.480	0.370	34.388	0.001277125	<i>PLET1</i>	ENSSSCG00000032149

17	61518996	61524567	0.700	0.193	94.162	0.001277126	<i>TAF4</i>	ENSSSCG00000024694
12	45085527	45102518	0.532	0.343	37.537	0.001307873	<i>ssc-mir-451</i>	ENSSSCG00000019354
12	45085527	45102518	0.532	0.343	37.537	0.001307873	<i>ssc-mir-144</i>	ENSSSCG00000019393
12	45085527	45102518	0.532	0.343	37.537	0.001307873	<i>FLOT2</i>	ENSSSCG00000017777
1	268267849	268267942	0.512	0.370	37.362	0.001325253	<i>SH2D3C</i>	ENSSSCG00000005620
12	3375315	3375379	0.730	0.176	92.538	0.001330617	<i>CYTH1</i>	ENSSSCG00000017167
3	18920857	18920962	0.653	0.227	70.971	0.001350604	<i>GSG1L</i>	ENSSSCG00000022785
7	35190806	35199326	0.542	0.309	37.060	0.001355827	<i>DAAM2</i>	ENSSSCG00000001595
13	196019847	196024609	0.740	0.142	91.798	0.001355984	<i>URB1</i>	ENSSSCG000000032024
6	157549037	157550494	0.515	0.338	36.858	0.001376804	<i>DHCR24</i>	ENSSSCG00000027525
6	157549037	157550494	0.515	0.338	36.858	0.001376804	<i>LEXM</i>	ENSSSCG00000027362
1	274036476	274036580	0.505	0.340	36.781	0.00138491	<i>COL5A1</i>	ENSSSCG00000005751
12	43353346	43366566	0.550	0.316	36.393	0.001426616	<i>RAB11FIP4</i>	ENSSSCG00000017747
6	35173686	35180776	0.547	0.324	36.160	0.001452501	<i>ZNF423</i>	ENSSSCG00000002838
17	34760889	34789351	0.505	0.351	36.007	0.001469691	<i>TRIB3</i>	ENSSSCG00000039862
17	34760889	34789351	0.505	0.351	36.007	0.001469691	<i>RBCK1</i>	ENSSSCG00000007206
12	3087838	3092919	0.666	0.242	68.111	0.001492372	<i>RBFOX3</i>	ENSSSCG00000039498
17	32460162	32559696	0.621	0.297	50.366	0.001501746	<i>DDRGI1</i>	ENSSSCG00000007160
17	32460162	32559696	0.621	0.297	50.366	0.001501746	<i>LZTS3</i>	ENSSSCG00000007161
17	32460162	32559696	0.621	0.297	50.366	0.001501746	<i>UBOX5</i>	ENSSSCG00000007162
5	17471657	17493495	0.446	0.436	25.664	0.001506385	<i>KRT80</i>	ENSSSCG00000040636
17	26144727	26149901	0.525	0.336	35.587	0.001518571	<i>BANF2</i>	ENSSSCG00000007087
6	7244746	7319929	0.334	0.516	22.457	0.001539635	<i>CMC2</i>	ENSSSCG00000032060
18	43172609	43277601	0.572	0.274	46.779	0.001541312	<i>PRR15</i>	ENSSSCG00000016686
18	43172609	43277601	0.572	0.274	46.779	0.001541312	<i>CHN2</i>	ENSSSCG00000016687
13	15109993	15128708	0.411	0.480	25.286	0.001574011		ENSSSCG00000033794
5	8627189	8631270	0.359	0.545	25.574	0.001576489	<i>CACNA1I</i>	ENSSSCG00000000082
7	35190806	35199326	0.542	0.295	34.684	0.001630774	<i>DAAM2</i>	ENSSSCG00000001595
12	43994033	44005533	0.597	0.268	45.733	0.001634961	<i>KSR1</i>	ENSSSCG00000017753
1	8433096	8451947	0.750	0.145	100.000	0.001662001	<i>EZR</i>	ENSSSCG00000004058
3	19226520	19226686	0.750	0.189	100.000	0.001662001	<i>KIAA0556</i>	ENSSSCG00000007814
17	62643039	62651338	0.750	0.172	100.000	0.001662001	<i>ZGPAT</i>	ENSSSCG00000036595

13	71046341	71046434	0.755	0.125	100.000	0.001662001	<i>IQSEC1</i>	ENSSSCG00000027812
17	61616376	61616533	0.755	0.173	100.000	0.001662001	<i>MTG2</i>	ENSSSCG00000037369
17	61616376	61616533	0.755	0.169	100.000	0.001662001	<i>MTG2</i>	ENSSSCG00000037369
17	63016665	63052839	0.755	0.175	100.000	0.001662001	<i>PCMTD2</i>	ENSSSCG00000038617
15	137694944	137695088	0.757	0.165	100.000	0.001662001	<i>ESPNL</i>	ENSSSCG00000016335
17	61353807	61366606	0.762	0.163	100.000	0.001662001	<i>CDH4</i>	ENSSSCG00000025784
17	62614075	62617887	0.762	0.169	100.000	0.001662001		ENSSSCG00000039160
17	62614075	62617887	0.762	0.169	100.000	0.001662001		ENSSSCG00000039160
18	49055365	49069373	0.765	0.152	100.000	0.001662001		ENSSSCG00000016725
17	61789461	61792397	0.767	0.167	100.000	0.001662001	<i>RBBP8NL</i>	ENSSSCG00000007539
17	62980467	62995779	0.767	0.170	100.000	0.001662001	<i>MYT1</i>	ENSSSCG00000039212
12	50826814	50829882	0.770	0.147	100.000	0.001662001	<i>PITPNM3</i>	ENSSSCG00000017892
12	50826814	50829882	0.770	0.114	100.000	0.001662001	<i>PITPNM3</i>	ENSSSCG00000017892
17	45364471	45364501	0.770	0.199	100.000	0.001662001		ENSSSCG00000027279
6	157381382	157381635	0.772	0.151	100.000	0.001662001	<i>USP24</i>	ENSSSCG00000029633
12	3320338	3320459	0.772	0.160	100.000	0.001662001	<i>USP36</i>	ENSSSCG00000017165
17	62087886	62108109	0.775	0.175	100.000	0.001662001	<i>TCFL5</i>	ENSSSCG00000038631
17	62087886	62108109	0.775	0.137	100.000	0.001662001	<i>TCFL5</i>	ENSSSCG00000038631
18	49142271	49149263	0.775	0.130	100.000	0.001662001		ENSSSCG00000016725
3	19144347	19144492	0.777	0.166	100.000	0.001662001	<i>GSG1L</i>	ENSSSCG00000022785
7	47816555	47816595	0.777	0.142	100.000	0.001662001	<i>SH2D7</i>	ENSSSCG00000001764
12	53906974	53911604	0.780	0.150	100.000	0.001662001	<i>PIK3R6</i>	ENSSSCG00000017990
17	61893954	61908213	0.790	0.152	100.000	0.001662001	<i>ssc-mir-1</i>	ENSSSCG00000019004
17	61893954	61908213	0.790	0.152	100.000	0.001662001	<i>ssc-mir-133a-1</i>	ENSSSCG00000018790
12	47143601	47194649	0.792	0.148	100.000	0.001662001	<i>VPS53</i>	ENSSSCG00000017812
13	196632866	196649140	0.792	0.137	100.000	0.001662001	<i>OLIG1</i>	ENSSSCG00000012040
18	42108012	42110908	0.792	0.136	100.000	0.001662001	<i>MINDY4</i>	ENSSSCG00000016674
18	42108012	42110908	0.792	0.154	100.000	0.001662001	<i>MINDY4</i>	ENSSSCG00000016674
2	39331720	39331745	0.795	0.160	100.000	0.001662001	<i>NAV2</i>	ENSSSCG00000013351
17	44081919	44104822	0.795	0.147	100.000	0.001662001	<i>CHD6</i>	ENSSSCG00000007360
3	125011159	125011316	0.797	0.163	100.000	0.001662001	<i>LPIN1</i>	ENSSSCG00000008624
12	47352016	47371504	0.797	0.149	100.000	0.001662001	<i>RPH3AL</i>	ENSSSCG00000036705

17	62190945	62191004	0.797	0.155	100.000	0.001662001	<i>SLC17A9</i>	ENSSSCG00000040931
17	62190945	62191004	0.797	0.136	100.000	0.001662001	<i>SLC17A9</i>	ENSSSCG00000040931
18	42292000	42292108	0.797	0.136	100.000	0.001662001	<i>CRHR2</i>	ENSSSCG00000033514
2	3271179	3271186	0.800	0.103	100.000	0.001662001		ENSSSCG00000031191
2	3271179	3271186	0.800	0.103	100.000	0.001662001	<i>ANO1</i>	ENSSSCG00000024158
17	61341132	61348156	0.800	0.149	100.000	0.001662001	<i>CDH4</i>	ENSSSCG00000025784
17	62922434	62922573	0.800	0.156	100.000	0.001662001	<i>NPBWR2</i>	ENSSSCG00000037868
12	3320338	3320459	0.772	0.153	99.451	0.001682558	<i>USP36</i>	ENSSSCG00000017165
18	50403117	50403905	0.527	0.327	34.291	0.001682896	<i>CCM2</i>	ENSSSCG00000016734
7	38243557	38287529	0.545	0.243	34.238	0.001690031	<i>DNPFI</i>	ENSSSCG00000026568
7	38243557	38287529	0.545	0.243	34.238	0.001690031	<i>TTBK1</i>	ENSSSCG00000001664
1	272594938	272597881	0.389	0.451	24.960	0.001690791	<i>AK8</i>	ENSSSCG00000039188
17	32561769	32606170	0.614	0.300	48.100	0.001692719	<i>AVP</i>	ENSSSCG00000007163
17	32561769	32606170	0.614	0.300	48.100	0.001692719		ENSSSCG00000037324
17	32561769	32606170	0.614	0.300	48.100	0.001692719		ENSSSCG00000040071
17	32561769	32606170	0.614	0.300	48.100	0.001692719	<i>OXT</i>	ENSSSCG00000007164
14	138897500	138897668	0.498	0.392	31.075	0.001699818	<i>EBF3</i>	ENSSSCG00000010757
13	196019847	196024609	0.740	0.170	82.453	0.001740383	<i>URBI</i>	ENSSSCG00000032024
3	17625721	17625915	0.460	0.389	30.624	0.001770401	<i>RNF40</i>	ENSSSCG00000007786
3	124980710	124981850	0.733	0.202	80.447	0.00184146	<i>LPIN1</i>	ENSSSCG00000008624
12	43353346	43366566	0.550	0.311	33.178	0.001842436	<i>RAB11FIP4</i>	ENSSSCG00000017747
12	43994033	44005533	0.597	0.264	43.633	0.001846318	<i>KSR1</i>	ENSSSCG00000017753
12	3100288	3105001	0.666	0.242	62.011	0.001867858	<i>RBFOX3</i>	ENSSSCG00000039498
12	46970027	46970103	0.693	0.226	61.738	0.001887472	<i>NXN</i>	ENSSSCG00000028720
3	18422953	18467910	0.547	0.245	32.836	0.001895224		ENSSSCG00000033623
3	18422953	18467910	0.547	0.245	32.836	0.001895224		ENSSSCG00000036603
3	18422953	18467910	0.547	0.245	32.836	0.001895224		ENSSSCG00000036603
3	18422953	18467910	0.547	0.245	32.836	0.001895224		ENSSSCG00000034927
3	18422953	18467910	0.547	0.245	32.836	0.001895224		ENSSSCG00000034927
12	3821072	3823249	0.582	0.261	43.160	0.001898679	<i>TMC8</i>	ENSSSCG00000033592
3	47411377	47421381	0.582	0.263	42.887	0.001929841	<i>EDAR</i>	ENSSSCG00000008134
12	44160934	44161076	0.564	0.290	42.528	0.001971836		ENSSSCG00000017754

12	44160934	44161076	0.564	0.290	42.528	0.001971836		ENSSSCG00000017754
12	44160934	44161076	0.564	0.290	42.528	0.001971836		ENSSSCG00000017754
3	19008763	19010642	0.720	0.181	77.023	0.002033209	<i>GSGIL</i>	ENSSSCG00000022785
17	40707765	40774870	0.545	0.365	31.928	0.002045334	<i>CTNNB1</i>	ENSSSCG00000007337
1	273731073	273731739	0.760	0.147	90.650	0.002064905	<i>RXRA</i>	ENSSSCG00000038220
7	110107801	110123443	0.327	0.573	20.296	0.002074721	<i>KCNK10</i>	ENSSSCG00000002423
12	47456668	47456803	0.606	0.259	44.303	0.002089736	<i>RPH3AL</i>	ENSSSCG00000036705
10	68715461	68777585	0.661	0.175	58.982	0.002101617	<i>DIP2C</i>	ENSSSCG00000011163
12	44054905	44074159	0.594	0.271	41.203	0.002137332	<i>KSR1</i>	ENSSSCG00000017753
2	3181324	3182838	0.688	0.240	58.536	0.002139345		ENSSSCG00000031191
7	113793371	113802175	0.438	0.407	22.342	0.0022557		ENSSSCG00000033555
2	4984035	4987052	0.495	0.378	27.965	0.002271859		ENSSSCG00000032003
1	161397951	161416515	0.463	0.373	27.683	0.002335112	<i>CCBE1</i>	ENSSSCG00000004907
3	18926747	18926909	0.676	0.212	56.343	0.002338264	<i>GSGIL</i>	ENSSSCG00000022785
5	17967390	17999323	0.502	0.349	30.286	0.002357442	<i>KRT2</i>	ENSSSCG00000037806
17	41488615	41492929	0.522	0.340	30.178	0.002380099	<i>SNORA71</i>	ENSSSCG00000037739
12	1778876	1781133	0.599	0.242	39.372	0.002397149	<i>RPTOR</i>	ENSSSCG00000017139
18	5779839	5785845	0.567	0.282	39.270	0.00241277	<i>RHEB</i>	ENSSSCG00000016434
17	61622849	61649971	0.765	0.162	84.265	0.002420131	<i>OSBPL2</i>	ENSSSCG00000036835
18	48731549	48734531	0.772	0.135	84.012	0.002435857		ENSSSCG00000036481
7	38021003	38038509	0.666	0.219	55.220	0.002449826	<i>GNMT</i>	ENSSSCG00000033214
17	61592473	61598767	0.795	0.150	83.669	0.002457385	<i>MTG2</i>	ENSSSCG00000037369
7	35796338	35810214	0.493	0.346	27.076	0.002479094	<i>LRFN2</i>	ENSSSCG00000001597
13	196334060	196348600	0.621	0.177	41.388	0.002480151	<i>PAXBP1</i>	ENSSSCG00000012037
18	48940155	48977361	0.730	0.154	70.474	0.002482234		ENSSSCG00000016725
9	50465026	50465167	0.324	0.494	18.957	0.002525761	<i>GRAMD1B</i>	ENSSSCG00000015144
14	45326261	45326383	0.686	0.179	54.466	0.002528701	<i>TTC28</i>	ENSSSCG00000009968
3	18467925	18486904	0.535	0.241	29.318	0.002570251		ENSSSCG00000034927
3	18467925	18486904	0.535	0.241	29.318	0.002570251		ENSSSCG00000034927
2	3272488	3282915	0.646	0.164	40.794	0.002571159		ENSSSCG00000031191
2	3272488	3282915	0.646	0.164	40.794	0.002571159	<i>ANO1</i>	ENSSSCG00000024158
1	147942773	147942951	0.584	0.267	38.137	0.00259607		ENSSSCG00000034069

7	120798947	120868941	0.678	0.218	53.823	0.00259862	<i>EML1</i>	ENSSSCG00000027667
2	5456602	5471209	0.626	0.212	40.160	0.00267319	<i>C11orf86</i>	ENSSSCG00000040729
2	39249485	39264872	0.681	0.236	53.162	0.002673355	<i>NAV2</i>	ENSSSCG00000013351
10	68802352	68831223	0.792	0.117	80.171	0.002693056	<i>DIP2C</i>	ENSSSCG00000011163
17	28434624	28434773	0.413	0.481	20.918	0.002718518	<i>RALGAPA2</i>	ENSSSCG00000026506
1	144508638	144529876	0.347	0.446	18.396	0.002750791		ENSSSCG00000004850
14	139163388	139195388	0.743	0.164	66.999	0.002776033		ENSSSCG00000036631
17	62394855	62402855	0.723	0.184	66.972	0.002778547	<i>COL20A1</i>	ENSSSCG00000037260
12	2070065	2084544	0.678	0.208	51.920	0.002821628	<i>ENDOV</i>	ENSSSCG00000030277
15	37545647	37549791	0.438	0.491	20.610	0.002833721	<i>MCPH1</i>	ENSSSCG00000015754
15	37545647	37549791	0.438	0.491	20.610	0.002833721	<i>ANGPT2</i>	ENSSSCG00000015753
8	2900135	2900345	0.426	0.435	20.597	0.002838849		ENSSSCG00000008722
3	18422724	18422783	0.562	0.236	36.711	0.002853367	<i>IL27</i>	ENSSSCG00000039300
2	39392627	39441389	0.500	0.388	28.176	0.002854212	<i>NAV2</i>	ENSSSCG00000013351
1	6930305	6930388	0.314	0.621	18.115	0.002873243	<i>MAP3K4</i>	ENSSSCG00000004037
11	68770932	68869363	0.411	0.504	20.480	0.002884174	<i>ZIC5</i>	ENSSSCG00000009521
11	68770932	68869363	0.411	0.504	20.480	0.002884174	<i>ZIC2</i>	ENSSSCG00000009520
12	44280251	44312686	0.545	0.307	27.985	0.002905539	<i>NOS2</i>	ENSSSCG00000017755
1	274036854	274036921	0.547	0.295	27.876	0.002935446	<i>COL5A1</i>	ENSSSCG00000005751
1	2230843	2232012	0.309	0.788	17.948	0.002949186	<i>RPS6KA2</i>	ENSSSCG00000004022
4	9039796	9039835	0.403	0.480	20.276	0.002966162		ENSSSCG00000005954
4	9039796	9039835	0.403	0.480	20.276	0.002966162		ENSSSCG00000005954
17	26297119	26373876	0.545	0.302	27.676	0.002991158		ENSSSCG00000007088
1	2397721	2405571	0.525	0.341	27.648	0.002998956	<i>RPS6KA2</i>	ENSSSCG00000004022
15	137698413	137709444	0.656	0.220	50.377	0.003021687	<i>KLHL30</i>	ENSSSCG00000026600
6	39806824	39856140	0.616	0.289	38.107	0.003042074	<i>C19orf12</i>	ENSSSCG00000032153
13	196005550	196011571	0.800	0.141	75.250	0.003080355	<i>URB1</i>	ENSSSCG00000032024
3	124117129	124117221	0.792	0.143	75.144	0.003089515		ENSSSCG00000040277
2	3055915	3055944	0.698	0.206	49.648	0.003122783		ENSSSCG00000031191
2	3055915	3055944	0.698	0.206	49.648	0.003122783	<i>CTTN</i>	ENSSSCG00000031769
12	3094353	3094434	0.703	0.217	62.936	0.003182901	<i>RBFOX3</i>	ENSSSCG00000039498
3	6192397	6198013	0.505	0.318	26.998	0.003190715	<i>KPNA7</i>	ENSSSCG00000007607

16	51371793	51371926	0.386	0.428	19.788	0.003229586	<i>ERGIC1</i>	ENSSSCG00000016988
13	200361911	200362073	0.646	0.206	37.086	0.003250288	<i>SIM2</i>	ENSSSCG00000027179
18	42262651	42268305	0.790	0.136	73.155	0.003268551	<i>CRHR2</i>	ENSSSCG00000033514
12	2247235	2275809	0.653	0.211	48.505	0.003290614	<i>CARD14</i>	ENSSSCG00000017154
12	44776565	44776673	0.587	0.277	34.492	0.003324184	<i>FOXN1</i>	ENSSSCG00000017762
12	3411247	3411322	0.777	0.152	72.434	0.003337037	<i>CYTH1</i>	ENSSSCG00000017167
1	148011706	148018469	0.619	0.238	36.677	0.003339092	<i>ZNF516</i>	ENSSSCG00000004859
5	8624479	8624514	0.386	0.470	19.510	0.003354729	<i>CACNA1I</i>	ENSSSCG00000000082
2	3386726	3386893	0.723	0.168	61.320	0.00336726		ENSSSCG000000031191
1	2608082	2621053	0.562	0.297	34.061	0.003427244		ENSSSCG000000036759
1	147443988	147576603	0.475	0.391	23.896	0.003451579	<i>GALR1</i>	ENSSSCG000000036984
1	147443988	147576603	0.475	0.391	23.896	0.003451579	<i>MBP</i>	ENSSSCG000000038767
5	15674696	15674810	0.522	0.363	26.163	0.0034603	<i>TMBIM6</i>	ENSSSCG000000029652
7	120781660	120781849	0.772	0.165	71.097	0.003469224	<i>EML1</i>	ENSSSCG000000027667
4	1627865	1627927	0.403	0.455	19.085	0.003505773	<i>ADGRB1</i>	ENSSSCG000000035891
15	137668994	137673750	0.767	0.155	70.689	0.003511051	<i>SCLY</i>	ENSSSCG000000016334
6	152894693	152894854	0.666	0.206	47.082	0.003517132	<i>FGGY</i>	ENSSSCG000000003828
6	157539060	157539125	0.611	0.236	35.861	0.003525705	<i>DHCR24</i>	ENSSSCG000000027525
6	157539060	157539125	0.611	0.236	35.861	0.003525705	<i>LEXM</i>	ENSSSCG000000027362
5	17896582	17902901	0.520	0.337	25.971	0.003526476	<i>KRT71</i>	ENSSSCG000000000247
1	273989485	273993745	0.411	0.487	18.961	0.003568711	<i>COL5A1</i>	ENSSSCG000000005751
12	55367372	55367433	0.658	0.220	46.711	0.00357966	<i>MYH3</i>	ENSSSCG000000018007
1	1271276	1281446	0.502	0.354	25.653	0.003639664	<i>SMOC2</i>	ENSSSCG000000004013
6	158149029	158159790	0.396	0.489	18.910	0.003647782	<i>CYB5RL</i>	ENSSSCG000000020677
7	114427428	114430896	0.475	0.354	23.390	0.003648805	<i>RIN3</i>	ENSSSCG000000002451
7	114427428	114430896	0.475	0.354	23.390	0.003648805	<i>ITPK1</i>	ENSSSCG000000002457
2	1738196	1750552	0.441	0.416	18.806	0.003649527	<i>KCNQ1</i>	ENSSSCG000000039556
13	16811370	16811562	0.525	0.292	25.446	0.003715922	<i>TGFBR2</i>	ENSSSCG000000011226
1	273950707	273960230	0.564	0.300	32.870	0.003734729	<i>COL5A1</i>	ENSSSCG000000005751
3	17500073	17510051	0.431	0.356	18.645	0.003735839	<i>FBXL19</i>	ENSSSCG000000028186
6	35055086	35062551	0.579	0.271	32.802	0.003753409	<i>ZNF423</i>	ENSSSCG000000002838
2	39448986	39468005	0.597	0.256	32.775	0.003760671	<i>NAV2</i>	ENSSSCG000000013351

12	3476501	3487007	0.740	0.170	58.103	0.00378013	<i>DNAH17</i>	ENSSSCG00000036056
1	147649209	147657645	0.468	0.390	23.069	0.003781507	<i>MBP</i>	ENSSSCG00000038767
1	147649209	147657645	0.468	0.390	23.069	0.003781507		ENSSSCG00000034650
2	81900102	81900242	0.542	0.336	25.255	0.003788265	<i>HRH2</i>	ENSSSCG00000029096
2	39392627	39441389	0.500	0.341	25.225	0.003799545	<i>NAV2</i>	ENSSSCG00000013351
6	150099382	150113175	0.441	0.501	18.511	0.003810275	<i>KANK4</i>	ENSSSCG00000003821
18	50429216	50429339	0.559	0.267	32.550	0.003823314	<i>CCM2</i>	ENSSSCG00000016734
1	147443988	147576603	0.475	0.384	22.923	0.003844192	<i>GALR1</i>	ENSSSCG00000036984
1	147443988	147576603	0.475	0.384	22.923	0.003844192	<i>MBP</i>	ENSSSCG00000038767
17	39462316	39573759	0.802	0.171	100.000	0.00384771	<i>AAR2</i>	ENSSSCG00000007315
17	61726808	61733323	0.804	0.147	100.000	0.00384771	<i>LAMA5</i>	ENSSSCG00000032761
18	42038344	42041764	0.804	0.133	100.000	0.00384771	<i>GHRHR</i>	ENSSSCG00000016673
12	47053940	47053968	0.807	0.140	100.000	0.00384771	<i>NXN</i>	ENSSSCG00000028720
2	3502495	3502612	0.809	0.126	100.000	0.00384771		ENSSSCG00000031191
7	96157096	96173410	0.809	0.138	100.000	0.00384771	<i>DPF3</i>	ENSSSCG00000002333
13	196003889	196005500	0.809	0.138	100.000	0.00384771	<i>URB1</i>	ENSSSCG00000032024
17	61456873	61504465	0.809	0.148	100.000	0.00384771	<i>TAF4</i>	ENSSSCG00000024694
17	34366433	34366517	0.812	0.126	100.000	0.00384771	<i>ANGPT4</i>	ENSSSCG00000007198
17	61585508	61589187	0.812	0.144	100.000	0.00384771	<i>SSI8L1</i>	ENSSSCG00000035448
18	49128849	49140570	0.812	0.120	100.000	0.00384771		ENSSSCG00000016725
12	47109426	47113471	0.814	0.137	100.000	0.00384771	<i>GEMIN4</i>	ENSSSCG00000017809
12	47109426	47113471	0.814	0.137	100.000	0.00384771		ENSSSCG00000034563
2	3526489	3538440	0.817	0.120	100.000	0.00384771		ENSSSCG00000031191
9	26921580	26921673	0.817	0.120	100.000	0.00384771	<i>AMOTL1</i>	ENSSSCG00000014960
13	196373162	196414062	0.817	0.099	100.000	0.00384771	<i>C21orf62</i>	ENSSSCG00000012038
9	26812228	26819034	0.819	0.121	100.000	0.00384771	<i>AMOTL1</i>	ENSSSCG00000014960
18	42113983	42119862	0.819	0.128	100.000	0.00384771	<i>MINDY4</i>	ENSSSCG00000016674
18	42113983	42119862	0.819	0.146	100.000	0.00384771	<i>MINDY4</i>	ENSSSCG00000016674
7	100856720	100856877	0.827	0.118	100.000	0.00384771	<i>ADCK1</i>	ENSSSCG00000002408
12	44123239	44131618	0.829	0.139	100.000	0.00384771	<i>KSRI</i>	ENSSSCG00000017753
15	137737673	137739902	0.829	0.156	100.000	0.00384771	<i>ILKAP</i>	ENSSSCG00000016339
6	35131465	35137272	0.832	0.139	100.000	0.00384771	<i>ZNF423</i>	ENSSSCG00000002838

12	47117553	47117963	0.832	0.134	100.000	0.00384771	<i>GEMIN4</i>	ENSSSCG00000017809
12	47117553	47117963	0.832	0.134	100.000	0.00384771	<i>FAM57A</i>	ENSSSCG00000017810
6	36160797	36167201	0.834	0.140	100.000	0.00384771	<i>N4BPI</i>	ENSSSCG00000002841
7	49050902	49055703	0.834	0.122	100.000	0.00384771	<i>FAH</i>	ENSSSCG00000001780
6	35141192	35141328	0.837	0.137	100.000	0.00384771	<i>ZNF423</i>	ENSSSCG00000002838
12	53912517	53912689	0.842	0.121	100.000	0.00384771	<i>PIK3R6</i>	ENSSSCG00000017990
12	44167111	44167273	0.847	0.128	100.000	0.00384771		ENSSSCG00000017754
12	44167111	44167273	0.847	0.128	100.000	0.00384771		ENSSSCG00000017754
12	44167111	44167273	0.847	0.128	100.000	0.00384771		ENSSSCG00000017754
12	54302611	54350026	0.847	0.121	100.000	0.00384771	<i>STX8</i>	ENSSSCG00000034964
12	54302611	54350026	0.847	0.134	100.000	0.00384771	<i>STX8</i>	ENSSSCG00000034964
6	87508132	87529056	0.849	0.115	100.000	0.00384771	<i>SDC3</i>	ENSSSCG00000003592
7	100841751	100841845	0.849	0.108	100.000	0.00384771	<i>ADCK1</i>	ENSSSCG00000002408
9	26908353	26908472	0.849	0.111	100.000	0.00384771	<i>AMOTL1</i>	ENSSSCG00000014960
6	157517977	157518133	0.621	0.233	34.578	0.003847999	<i>DHCR24</i>	ENSSSCG00000027525
17	18516152	18521561	0.453	0.371	22.891	0.003857814	<i>PAK5</i>	ENSSSCG00000007061
12	1563262	1563370	0.644	0.230	34.529	0.003861204		ENSSSCG00000039849
14	140515807	140520608	0.394	0.487	18.435	0.003903057	<i>STK32C</i>	ENSSSCG00000010761
18	49094697	49103760	0.740	0.135	57.101	0.003922698		ENSSSCG00000016725
7	121173143	121198383	0.540	0.269	24.906	0.003924558	<i>SLC25A29</i>	ENSSSCG00000002520
7	121173143	121198383	0.540	0.269	24.906	0.003924558	<i>SLC25A47</i>	ENSSSCG00000002515
7	121173143	121198383	0.540	0.269	24.906	0.003924558	<i>ssc-mir-345-1</i>	ENSSSCG00000027626
1	270219270	270219431	0.426	0.424	18.229	0.00397173	<i>GPR107</i>	ENSSSCG00000038868
15	137827324	137828333	0.814	0.106	97.981	0.004000801	<i>PER2</i>	ENSSSCG00000016338
12	3125802	3126823	0.673	0.226	44.251	0.004034316	<i>RBFOX3</i>	ENSSSCG00000039498
2	3044219	3044280	0.745	0.181	56.342	0.004035763		ENSSSCG00000031191
2	3044219	3044280	0.745	0.181	56.342	0.004035763	<i>CTTN</i>	ENSSSCG00000031769
1	109648555	109764226	0.347	0.509	15.995	0.004056418	<i>U6</i>	ENSSSCG00000039479
12	5594486	5627969	0.557	0.323	31.673	0.004081234	<i>UNK</i>	ENSSSCG00000017201
12	44280251	44312686	0.545	0.307	24.445	0.00411511	<i>NOS2</i>	ENSSSCG00000017755
10	24234260	24234394	0.493	0.302	22.314	0.00411915	<i>RNPEP</i>	ENSSSCG00000034151
12	2070065	2084544	0.678	0.226	43.812	0.004123632	<i>ENDOV</i>	ENSSSCG00000030277

17	45104210	45104255	0.795	0.148	65.343	0.004129143	<i>PTPRT</i>	ENSSSCG00000038990
2	39147660	39232857	0.530	0.330	24.412	0.004129222	<i>DBX1</i>	ENSSSCG00000013350
2	39249485	39264872	0.681	0.204	43.543	0.004179537	<i>NAV2</i>	ENSSSCG00000013351
2	4872120	4872195	0.455	0.391	22.064	0.004239538	<i>NDUFS8</i>	ENSSSCG00000037455
2	4872120	4872195	0.455	0.391	22.064	0.004239538	<i>ALDH3B1</i>	ENSSSCG00000028501
1	161452505	161452518	0.500	0.335	24.134	0.004249924	<i>CCBE1</i>	ENSSSCG00000004907
12	54800448	54800479	0.641	0.229	33.112	0.004265514	<i>GAS7</i>	ENSSSCG00000039056
1	161338224	161387396	0.579	0.290	31.082	0.004267721	<i>CCBE1</i>	ENSSSCG00000004907
17	40413315	40434206	0.582	0.339	30.913	0.00432325		ENSSSCG00000025673
3	662139	677799	0.399	0.476	17.679	0.004358414	<i>C7orf50</i>	ENSSSCG00000038777
3	662139	677799	0.399	0.476	17.679	0.004358414	<i>ssc-mir-339-1</i>	ENSSSCG00000018712
14	28697205	28697269	0.498	0.332	21.824	0.004359474	<i>NCOR2</i>	ENSSSCG00000009761
7	113977994	113978044	0.416	0.436	17.577	0.004380648	<i>SLC24A4</i>	ENSSSCG00000002450
7	100832709	100835914	0.814	0.114	93.321	0.004388968	<i>ADCK1</i>	ENSSSCG00000002408
17	32455820	32455895	0.757	0.188	63.334	0.004400509	<i>SLC4A11</i>	ENSSSCG00000007157
12	4471398	4484875	0.478	0.367	21.655	0.004446162	<i>SEC14L1</i>	ENSSSCG00000017169
3	47456590	47460564	0.609	0.218	32.443	0.004475651	<i>EDAR</i>	ENSSSCG00000008134
6	157550553	157556940	0.537	0.311	23.556	0.004516869	<i>DHCR24</i>	ENSSSCG00000027525
13	199842482	199865017	0.663	0.197	41.796	0.004569539	<i>DOPEY2</i>	ENSSSCG00000012054
7	30539648	30901532	0.428	0.434	17.284	0.004581426	<i>C6orf106</i>	ENSSSCG00000001527
7	30539648	30901532	0.428	0.434	17.284	0.004581426		ENSSSCG00000037476
7	30539648	30901532	0.428	0.434	17.284	0.004581426		ENSSSCG00000031334
7	30539648	30901532	0.428	0.434	17.284	0.004581426		ENSSSCG00000001531
7	30539648	30901532	0.428	0.434	17.284	0.004581426	<i>UHRF1BP1</i>	ENSSSCG00000001532
7	30539648	30901532	0.428	0.434	17.284	0.004581426		ENSSSCG00000031446
7	30539648	30901532	0.428	0.434	17.284	0.004581426	<i>TAF11</i>	ENSSSCG00000001533
7	30539648	30901532	0.428	0.434	17.284	0.004581426	<i>ANKS1A</i>	ENSSSCG00000001534
2	5224260	5224323	0.666	0.192	41.739	0.004583106	<i>GRK2</i>	ENSSSCG00000012918
17	39414949	39439050	0.725	0.219	52.928	0.004603073		ENSSSCG00000007314
5	88822537	88822742	0.438	0.383	17.247	0.004608003	<i>CEP83</i>	ENSSSCG00000024563
3	18355543	18381260	0.839	0.123	90.784	0.004623102	<i>SGF29</i>	ENSSSCG00000022778
12	5656962	5659315	0.725	0.198	52.779	0.004630205	<i>ITGB4</i>	ENSSSCG00000017204

5	3408460	3411345	0.379	0.507	17.235	0.004657473		ENSSSCG00000035352
1	268265977	268266132	0.545	0.327	23.194	0.00469484	<i>SH2D3C</i>	ENSSSCG00000005620
12	54211926	54222462	0.787	0.155	61.152	0.004723915	<i>NTN1</i>	ENSSSCG00000017993
1	8489894	8492110	0.730	0.119	52.245	0.004729403	<i>SYTL3</i>	ENSSSCG00000004057
1	2570126	2570163	0.703	0.199	52.093	0.004758332		ENSSSCG000000040654
13	199886874	199888976	0.599	0.245	29.670	0.004761644	<i>DOPEY2</i>	ENSSSCG00000012054
9	105510333	105538838	0.512	0.288	22.941	0.004824662	<i>ATXN7L1</i>	ENSSSCG00000015432
1	148069429	148069595	0.562	0.284	29.497	0.004827232	<i>ZNF516</i>	ENSSSCG00000004859
12	54794138	54800075	0.661	0.222	40.737	0.004830171	<i>GAS7</i>	ENSSSCG000000039056
12	46897374	46897971	0.512	0.336	22.928	0.00483148	<i>TIMM22</i>	ENSSSCG00000017803
2	5044826	5044898	0.691	0.187	40.718	0.004834952	<i>AIP</i>	ENSSSCG00000012904
1	9356444	9368752	0.490	0.333	20.946	0.004836271	<i>ZDHHC14</i>	ENSSSCG000000035027
7	36493976	36509404	0.564	0.295	29.232	0.004930222	<i>TREM1</i>	ENSSSCG000000033251
14	126825686	126825929	0.381	0.473	16.846	0.004941686	<i>PNLIPRP2</i>	ENSSSCG00000010660
12	4299832	4303705	0.505	0.339	22.682	0.004962603	<i>Sep-09</i>	ENSSSCG00000017168
3	131235316	131235349	0.740	0.180	51.028	0.004966857	<i>COLEC11</i>	ENSSSCG000000025629
1	1596081	1596153	0.812	0.123	87.355	0.00496874	<i>AFDN</i>	ENSSSCG00000004018
12	1651831	1651926	0.621	0.255	31.020	0.004970815	<i>BAIAP2</i>	ENSSSCG00000017142
12	54954114	54962941	0.663	0.210	40.193	0.004971791	<i>GAS7</i>	ENSSSCG000000039056
12	45761335	45768507	0.547	0.302	22.662	0.004973671	<i>TP53I13</i>	ENSSSCG00000017788
12	45761335	45768507	0.547	0.302	22.662	0.004973671	<i>GIT1</i>	ENSSSCG00000017787
1	115628526	115808561	0.302	0.671	14.822	0.004979918	<i>RFX7</i>	ENSSSCG00000004603
1	115628526	115808561	0.302	0.671	14.822	0.004979918	<i>SNORA70</i>	ENSSSCG000000020082
15	135080834	135080900	0.604	0.260	30.871	0.005026727	<i>SH3BP4</i>	ENSSSCG000000034692
12	3073707	3081295	0.705	0.212	50.690	0.005035619	<i>RBFOX3</i>	ENSSSCG000000039498
11	67539672	67543642	0.520	0.327	22.549	0.00503564	<i>STK24</i>	ENSSSCG000000009511
5	14748832	14753576	0.473	0.441	20.597	0.005044334	<i>C12orf75</i>	ENSSSCG000000031661
17	26643561	26664178	0.589	0.289	28.913	0.005057971	<i>DZANK1</i>	ENSSSCG00000007094
6	149568357	149731329	0.535	0.314	22.471	0.005078899	<i>ATG4C</i>	ENSSSCG000000003816
10	68595589	68670322	0.740	0.143	50.353	0.005105578	<i>LARP4B</i>	ENSSSCG00000011162
10	68595589	68670322	0.740	0.143	50.353	0.005105578		ENSSSCG000000034793
6	157441990	157517498	0.616	0.237	30.603	0.005129471	<i>DHCR24</i>	ENSSSCG000000027525

1	147942773	147942951	0.584	0.284	28.662	0.005161378		ENSSSCG00000034069
12	50688542	50737953	0.824	0.093	85.500	0.005171339		ENSSSCG00000033819
12	50688542	50737953	0.824	0.093	85.500	0.005171339	<i>MED31</i>	ENSSSCG00000027100
12	50688542	50737953	0.824	0.093	85.500	0.005171339	<i>KIAA0753</i>	ENSSSCG00000017890
12	50688542	50737953	0.824	0.093	85.500	0.005171339	<i>TXNDC17</i>	ENSSSCG00000035820
11	67062230	67112006	0.557	0.280	28.457	0.005247863	<i>7SK</i>	ENSSSCG00000023532
11	67062230	67112006	0.557	0.280	28.457	0.005247863	<i>U6</i>	ENSSSCG00000036251
1	8701172	8853814	0.844	0.118	84.705	0.005261792		ENSSSCG00000035802
12	47483171	47483243	0.809	0.144	84.511	0.005284205	<i>RPH3AL</i>	ENSSSCG00000036705
1	274005561	274005620	0.594	0.255	28.368	0.005286205	<i>COL5A1</i>	ENSSSCG00000005751
7	114471038	114476342	0.495	0.305	20.192	0.00530089	<i>RIN3</i>	ENSSSCG00000002451
7	114471038	114476342	0.495	0.305	20.192	0.00530089	<i>ITPK1</i>	ENSSSCG00000002457
12	5493110	5493299	0.636	0.229	30.069	0.005342486	<i>FBF1</i>	ENSSSCG00000017197
2	83038246	83038346	0.851	0.149	100.000	0.005348261	<i>ARHGEF28</i>	ENSSSCG00000028317
17	61649983	61650043	0.851	0.132	100.000	0.005348261	<i>OSBPL2</i>	ENSSSCG00000036835
7	47883563	47883622	0.854	0.139	100.000	0.005348261	<i>TBC1D2B</i>	ENSSSCG00000027477
1	8699409	8699532	0.859	0.106	100.000	0.005348261	<i>TULP4</i>	ENSSSCG00000031776
7	100881600	100881665	0.859	0.105	100.000	0.005348261	<i>ADCK1</i>	ENSSSCG00000002408
12	56063448	56063481	0.871	0.100	100.000	0.005348261	<i>DNAH9</i>	ENSSSCG00000018015
6	96554450	96554487	0.876	0.103	100.000	0.005348261	<i>LDLRAD4</i>	ENSSSCG00000027417
7	96900826	96900910	0.876	0.113	100.000	0.005348261	<i>ACOT4</i>	ENSSSCG00000002349
12	47050127	47053300	0.881	0.117	100.000	0.005348261	<i>NXN</i>	ENSSSCG00000028720
18	42193469	42193525	0.881	0.110	100.000	0.005348261	<i>MINDY4</i>	ENSSSCG00000016674
18	42284919	42284966	0.894	0.114	100.000	0.005348261	<i>CRHR2</i>	ENSSSCG00000033514
18	8987369	8987391	0.507	0.327	21.996	0.005353458	<i>BRAF</i>	ENSSSCG00000016494
17	18521626	18521699	0.460	0.365	20.110	0.00535447	<i>PAK5</i>	ENSSSCG00000007061
14	32547380	32556748	0.287	0.713	14.523	0.005362323	<i>CUX2</i>	ENSSSCG00000009831
12	4836100	4836198	0.436	0.390	16.246	0.005394927	<i>MXRA7</i>	ENSSSCG00000037376
12	42267991	42293300	0.470	0.348	19.867	0.0055189	<i>MYO1D</i>	ENSSSCG00000017728
6	148397330	148428402	0.416	0.448	16.066	0.005554163	<i>ROR1</i>	ENSSSCG00000003811
6	148397330	148428402	0.416	0.448	16.066	0.005554163	<i>U6</i>	ENSSSCG00000039958
9	135235949	135236001	0.396	0.498	16.094	0.005556274	<i>ABCA13</i>	ENSSSCG00000031141

10	63406599	63428376	0.530	0.224	21.661	0.005558871	<i>TAF3</i>	ENSSSCG00000011127
12	50854610	50857845	0.795	0.139	56.220	0.005587806	<i>PITPNM3</i>	ENSSSCG00000017892
12	5665981	5670466	0.723	0.209	48.183	0.005589538	<i>ITGB4</i>	ENSSSCG00000017204
3	19570018	19570146	0.723	0.135	47.973	0.005639661	<i>IL4R</i>	ENSSSCG00000007817
2	4879562	4879658	0.542	0.295	21.529	0.00564245	<i>NDUFS8</i>	ENSSSCG000000037455
2	4879562	4879658	0.542	0.295	21.529	0.00564245	<i>ALDH3B1</i>	ENSSSCG000000028501
17	34273281	34284421	0.713	0.163	47.840	0.005671736	<i>RSPO4</i>	ENSSSCG00000007197
3	19008763	19010642	0.720	0.187	47.652	0.005717713	<i>GSGIL</i>	ENSSSCG000000022785
12	3561640	3561715	0.767	0.160	55.570	0.005717812	<i>DNAH17</i>	ENSSSCG000000036056
2	3272488	3282915	0.646	0.213	29.191	0.005719389		ENSSSCG000000031191
2	3272488	3282915	0.646	0.213	29.191	0.005719389	<i>ANO1</i>	ENSSSCG000000024158
17	54332244	54333428	0.572	0.231	27.373	0.005739328		ENSSSCG000000040839
11	67291796	67291863	0.606	0.240	29.020	0.005796455	<i>FARP1</i>	ENSSSCG000000026863
7	39351032	39360139	0.423	0.421	15.798	0.005802311	<i>5S_rRNA</i>	ENSSSCG000000019635
7	38243557	38287529	0.545	0.265	21.248	0.005826245	<i>DNPH1</i>	ENSSSCG000000026568
7	38243557	38287529	0.545	0.265	21.248	0.005826245	<i>TTBK1</i>	ENSSSCG000000001664
6	34174922	34194792	0.582	0.277	27.188	0.005829567	<i>SNX20</i>	ENSSSCG000000025741
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU1_2</i>	ENSSSCG000000040115
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU1_1</i>	ENSSSCG000000034295
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU2_6</i>	ENSSSCG000000033631
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU2_5</i>	ENSSSCG000000033317
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU2_4</i>	ENSSSCG000000035203
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU2_4</i>	ENSSSCG000000035203
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU2_3</i>	ENSSSCG000000039790
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>ssc-mir-15a</i>	ENSSSCG000000019092
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>ssc-mir-16-2</i>	ENSSSCG000000019808
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU2_2</i>	ENSSSCG000000037702
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU2_2</i>	ENSSSCG000000037702
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>DLEU2_1</i>	ENSSSCG000000031473
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>KCNRG</i>	ENSSSCG000000009388
11	17627335	17807990	0.500	0.371	21.242	0.005829871	<i>TRIM13</i>	ENSSSCG000000009389
12	43856300	43951737	0.599	0.246	27.166	0.005840192	<i>WSB1</i>	ENSSSCG000000017752

12	42649055	42649074	0.619	0.245	28.888	0.005857176	<i>RHBDL3</i>	ENSSSCG00000017734
6	63394618	63396672	0.772	0.138	54.860	0.005864375	<i>AGRN</i>	ENSSSCG00000022204
12	5499266	5499436	0.636	0.225	28.854	0.005872986	<i>FBF1</i>	ENSSSCG00000017197
11	67062230	67112006	0.557	0.269	27.049	0.00589818	<i>7SK</i>	ENSSSCG00000023532
11	67062230	67112006	0.557	0.269	27.049	0.00589818	<i>U6</i>	ENSSSCG00000036251
2	39473202	39499820	0.495	0.365	19.300	0.005927556	<i>NAV2</i>	ENSSSCG00000013351
10	24234552	24235177	0.500	0.300	21.090	0.005932813	<i>RNPEP</i>	ENSSSCG00000034151
7	35073002	35101827	0.530	0.294	20.999	0.005995522		ENSSSCG00000040737
18	5684960	5685003	0.446	0.387	15.599	0.005996316	<i>PRKAG2</i>	ENSSSCG00000016432
17	42027285	42032526	0.540	0.324	20.995	0.005998206	<i>DHX35</i>	ENSSSCG00000007352
3	131409058	131418171	0.552	0.236	26.710	0.006070225	<i>EIPRI</i>	ENSSSCG00000028755
3	19226520	19226686	0.750	0.170	53.892	0.006073237	<i>KIAA0556</i>	ENSSSCG00000007814
12	55420236	55420370	0.703	0.193	45.999	0.006143019	<i>SCO1</i>	ENSSSCG00000018008
9	41066170	41068471	0.866	0.129	92.262	0.006154822	<i>DRD2</i>	ENSSSCG00000015048
1	8175742	8175849	0.455	0.390	18.947	0.006202216		ENSSSCG00000035342
1	273975280	273975358	0.552	0.294	26.453	0.006205679	<i>COL5A1</i>	ENSSSCG00000005751
7	35824301	35894564	0.450	0.420	18.909	0.006232996	<i>LRFN2</i>	ENSSSCG00000001597
7	115209059	115209182	0.564	0.268	26.376	0.006246708	<i>ASB2</i>	ENSSSCG00000002467
7	114990084	114998592	0.527	0.317	20.605	0.006276548		ENSSSCG00000038851
12	44054905	44074159	0.594	0.267	26.320	0.0062768	<i>KSRI</i>	ENSSSCG00000017753
12	54805126	54807237	0.666	0.215	35.995	0.006281964	<i>GAS7</i>	ENSSSCG00000039056
7	36344818	36359762	0.579	0.252	26.258	0.006310453	<i>TSPO2</i>	ENSSSCG00000038553
1	161735195	161807255	0.849	0.116	76.630	0.006323617	<i>SEC11C</i>	ENSSSCG00000004912
1	161735195	161807255	0.849	0.116	76.630	0.006323617		ENSSSCG00000004911
7	24326462	24326614	0.743	0.146	45.343	0.006323884		ENSSSCG00000030901
10	68411539	68444030	0.661	0.199	35.774	0.006363242	<i>WDR37</i>	ENSSSCG00000029602
10	68411539	68444030	0.661	0.199	35.774	0.006363242	<i>ADARB2</i>	ENSSSCG00000011160
7	47475050	47559936	0.468	0.403	18.719	0.006388262	<i>IREB2</i>	ENSSSCG00000001756
12	44167111	44167273	0.847	0.134	76.192	0.006389811		ENSSSCG00000017754
12	44167111	44167273	0.847	0.134	76.192	0.006389811		ENSSSCG00000017754
12	44167111	44167273	0.847	0.134	76.192	0.006389811		ENSSSCG00000017754
1	273975280	273975358	0.552	0.290	26.068	0.00641568	<i>COL5A1</i>	ENSSSCG00000005751

3	18275438	18284976	0.710	0.192	44.974	0.006428807	<i>YPEL3</i>	ENSSSCG00000035430
3	18275438	18284976	0.710	0.192	44.974	0.006428807	<i>GDPD3</i>	ENSSSCG00000021811
1	1234821	1267538	0.463	0.411	18.654	0.006442798	<i>SMOC2</i>	ENSSSCG00000004013
15	137194127	137202283	0.423	0.389	15.100	0.006519593	<i>MLPH</i>	ENSSSCG00000032849
17	30639033	30683146	0.557	0.303	25.860	0.0065327	<i>SYNDIG1</i>	ENSSSCG00000007130
3	112541062	112548460	0.455	0.390	18.527	0.006550339	<i>OTOF</i>	ENSSSCG00000037751
6	34061223	34061460	0.577	0.301	25.813	0.006559805	<i>CYLD</i>	ENSSSCG00000040286
2	25019368	25067539	0.493	0.315	18.473	0.006597667	<i>LDLRAD3</i>	ENSSSCG00000013294
6	40329674	40329699	0.619	0.238	27.407	0.00660001	<i>ZNF536</i>	ENSSSCG00000029234
7	35073002	35101827	0.530	0.314	20.132	0.006636852		ENSSSCG00000040737
18	50557988	50558089	0.589	0.263	25.596	0.006685667		ENSSSCG00000040167
7	2877261	2877437	0.787	0.138	51.212	0.006708047		ENSSSCG00000000999
7	2877261	2877437	0.787	0.138	51.212	0.006708047		ENSSSCG00000000999
7	2877261	2877437	0.787	0.138	51.212	0.006708047		ENSSSCG00000000999
7	2877261	2877437	0.787	0.138	51.212	0.006708047		ENSSSCG00000000999
7	2877261	2877437	0.787	0.138	51.212	0.006708047		ENSSSCG00000000999
8	19294146	19294212	0.671	0.199	34.780	0.006748034	<i>ZCCHC4</i>	ENSSSCG00000028581
13	70417428	70423247	0.708	0.229	43.899	0.006748696	<i>CHCHD4</i>	ENSSSCG00000011604
5	17746090	17756858	0.493	0.328	18.264	0.006781766	<i>KRT75</i>	ENSSSCG00000000236
9	41682022	41700784	0.854	0.121	87.106	0.006794919	<i>ZBTB16</i>	ENSSSCG00000030095
12	43368748	43392231	0.765	0.162	50.790	0.006816286	<i>RAB11FIP4</i>	ENSSSCG00000017747
3	19137032	19137148	0.710	0.192	43.654	0.006824884	<i>GSGIL</i>	ENSSSCG00000022785
7	24330748	24330823	0.780	0.135	50.620	0.006860715		ENSSSCG00000030901
7	121218591	121230693	0.614	0.202	26.935	0.006862642	<i>WARS</i>	ENSSSCG00000002516
3	131382636	131401260	0.542	0.257	19.773	0.006928508	<i>EIPRI</i>	ENSSSCG00000028755
3	47451507	47451566	0.854	0.108	86.000	0.006944906	<i>EDAR</i>	ENSSSCG00000008134
2	3388407	3388519	0.827	0.128	72.606	0.006970693		ENSSSCG00000031191
12	54275289	54276493	0.854	0.126	85.464	0.007019264	<i>NTN1</i>	ENSSSCG00000017993
1	2531753	2559830	0.594	0.234	25.022	0.007035371		ENSSSCG00000032916
7	30539648	30901532	0.428	0.427	14.617	0.007082027	<i>C6orf106</i>	ENSSSCG00000001527
7	30539648	30901532	0.428	0.427	14.617	0.007082027		ENSSSCG00000037476
7	30539648	30901532	0.428	0.427	14.617	0.007082027		ENSSSCG00000031334

7	30539648	30901532	0.428	0.427	14.617	0.007082027		ENSSSCG00000001531
7	30539648	30901532	0.428	0.427	14.617	0.007082027	<i>UHRF1BP1</i>	ENSSSCG00000001532
7	30539648	30901532	0.428	0.427	14.617	0.007082027		ENSSSCG000000031446
7	30539648	30901532	0.428	0.427	14.617	0.007082027	<i>TAF11</i>	ENSSSCG00000001533
7	30539648	30901532	0.428	0.427	14.617	0.007082027	<i>ANKS1A</i>	ENSSSCG00000001534
5	17863147	17865192	0.505	0.336	19.583	0.007089782	<i>KRT5</i>	ENSSSCG00000000248
2	38546803	38580901	0.567	0.288	24.933	0.007092224	<i>NELLI</i>	ENSSSCG000000039940
2	3338772	3338916	0.809	0.119	71.879	0.007097555		ENSSSCG000000031191
2	3338772	3338916	0.809	0.119	71.879	0.007097555	<i>ANO1</i>	ENSSSCG000000024158
14	45129850	45325850	0.705	0.170	42.682	0.007138121		ENSSSCG000000037255
14	45129850	45325850	0.705	0.170	42.682	0.007138121		ENSSSCG000000009967
14	45129850	45325850	0.705	0.170	42.682	0.007138121	<i>TTC28</i>	ENSSSCG000000009968
6	155601533	155601598	0.438	0.366	14.570	0.007140501	<i>FYB2</i>	ENSSSCG000000038041
6	420997	421078	0.703	0.226	42.657	0.007146437	<i>SPG7</i>	ENSSSCG000000024756
18	5879355	5908663	0.525	0.309	19.514	0.007149566	<i>NUB1</i>	ENSSSCG000000016438
18	6028946	6034081	0.621	0.234	26.431	0.007158583	<i>IQCA1L</i>	ENSSSCG000000025737
12	4267930	4280222	0.502	0.339	19.464	0.007193895	<i>Sep-09</i>	ENSSSCG000000017168
3	18271860	18272082	0.666	0.219	33.704	0.007200802	<i>TBX6</i>	ENSSSCG000000034774
17	33771933	33815087	0.817	0.118	71.289	0.007203117		ENSSSCG000000027665
17	33771933	33815087	0.817	0.118	71.289	0.007203117		ENSSSCG000000027665
17	33771933	33815087	0.817	0.118	71.289	0.007203117		ENSSSCG000000027665
17	33771933	33815087	0.817	0.118	71.289	0.007203117		ENSSSCG000000027665
3	26403020	26405153	0.265	0.662	12.886	0.00724422	<i>ITPRIPL2</i>	ENSSSCG000000039337
17	62224249	62238445	0.844	0.138	70.875	0.007278496	<i>BHLHE23</i>	ENSSSCG000000031937
17	33496083	33545639	0.705	0.164	42.147	0.00731909	<i>PDYN</i>	ENSSSCG000000037684
9	50465026	50465167	0.324	0.482	12.786	0.007319182	<i>GRAMD1B</i>	ENSSSCG000000015144
10	22730045	22730077	0.480	0.301	17.674	0.007340451		ENSSSCG000000024975
14	126884304	126884422	0.455	0.340	17.646	0.007367848	<i>HSPA12A</i>	ENSSSCG000000036758
1	274032088	274033397	0.550	0.292	19.268	0.00736853	<i>COL5A1</i>	ENSSSCG000000005751
12	42267991	42293300	0.470	0.327	17.644	0.00737054	<i>MYO1D</i>	ENSSSCG000000017728
1	6577032	6598117	0.485	0.369	17.629	0.007385399	<i>PRKN</i>	ENSSSCG000000004032
17	30685610	30691898	0.770	0.162	48.686	0.007394777	<i>SYNDIG1</i>	ENSSSCG000000007130

1	273950707	273960230	0.564	0.277	24.332	0.007488543	<i>COL5A1</i>	ENSSSCG00000005751
2	38346058	38371358	0.542	0.330	19.100	0.007522509	<i>NELLI</i>	ENSSSCG00000039940
4	85273014	85352096	0.495	0.365	17.490	0.007526511	<i>RXRG</i>	ENSSSCG00000006328
6	6326899	6329890	0.421	0.340	14.266	0.007530435	<i>HSD17B2</i>	ENSSSCG00000038221
1	263749907	263955379	0.394	0.504	14.247	0.007541925	<i>RC3H2</i>	ENSSSCG00000005575
1	263749907	263955379	0.394	0.504	14.247	0.007541925	<i>SNORD90</i>	ENSSSCG00000018665
1	263749907	263955379	0.394	0.504	14.247	0.007541925	<i>ZBTB6</i>	ENSSSCG00000005576
1	263749907	263955379	0.394	0.504	14.247	0.007541925	<i>ZBTB26</i>	ENSSSCG00000032575
1	263749907	263955379	0.394	0.504	14.247	0.007541925	<i>RABGAP1</i>	ENSSSCG00000020743
1	263749907	263955379	0.394	0.504	14.247	0.007541925		ENSSSCG00000034541
14	126999264	127021202	0.399	0.435	14.187	0.007620017	<i>HSPA12A</i>	ENSSSCG00000036758
12	40163349	40165097	0.282	0.680	12.612	0.007639055	<i>LIG3</i>	ENSSSCG00000024770
11	46378676	46378757	0.332	0.452	12.547	0.007679077	<i>KLF12</i>	ENSSSCG00000025130
6	401222	402181	0.636	0.244	25.577	0.007700619	<i>CPNE7</i>	ENSSSCG00000031104
12	44074404	44083608	0.661	0.219	32.527	0.007745736	<i>KSR1</i>	ENSSSCG00000017753
12	1765883	1765947	0.673	0.188	32.482	0.007767396	<i>RPTOR</i>	ENSSSCG00000017139
12	54604061	54604136	0.688	0.190	32.472	0.007772334	<i>USP43</i>	ENSSSCG00000017995
12	58005894	58026856	0.468	0.364	17.235	0.007795428	<i>COX10</i>	ENSSSCG00000018023
17	30758423	30762942	0.559	0.281	23.892	0.007798331	<i>CST7</i>	ENSSSCG00000007131
3	3270875	3270918	0.495	0.326	17.225	0.007806124	<i>SDK1</i>	ENSSSCG00000007574
17	62627963	62640961	0.740	0.116	40.787	0.007809288	<i>ZGPAT</i>	ENSSSCG00000036595
17	62627963	62640961	0.740	0.116	40.787	0.007809288	<i>TNFRSF6B</i>	ENSSSCG00000038671
17	62627963	62640961	0.740	0.116	40.787	0.007809288	<i>ARFRP1</i>	ENSSSCG00000035304
6	6754676	6755027	0.327	0.518	12.460	0.007814381	<i>CMIP</i>	ENSSSCG00000002689
18	6020449	6028131	0.663	0.205	32.370	0.007822167	<i>IQCAIL</i>	ENSSSCG00000025737
17	44292518	44365127	0.730	0.154	40.753	0.007822204		ENSSSCG00000039208
9	56162840	56171314	0.329	0.491	12.431	0.007861396	<i>ARHGAP32</i>	ENSSSCG00000015238
14	126140489	126176343	0.453	0.358	17.158	0.007878112	<i>ATRNL1</i>	ENSSSCG00000010654
6	150315295	150411595	0.738	0.162	40.566	0.00789322		ENSSSCG00000039793
4	1690554	1691469	0.436	0.384	13.994	0.007903277		ENSSSCG00000036022
2	81881565	81895812	0.554	0.311	23.700	0.007938692	<i>HRH2</i>	ENSSSCG00000029096
2	5431966	5432101	0.619	0.223	25.208	0.007952069	<i>SYT12</i>	ENSSSCG00000024837

5	9215305	9215472	0.384	0.380	13.937	0.007959093	<i>NPTXR</i>	ENSSSCG0000000092
12	42310146	42314977	0.446	0.391	13.946	0.007972054	<i>MYO1D</i>	ENSSSCG00000017728
14	138900101	138900933	0.498	0.374	17.060	0.007986755	<i>EBF3</i>	ENSSSCG00000010757
2	3183027	3184953	0.886	0.114	78.954	0.008025433		ENSSSCG00000031191
2	123243570	123243614	0.332	0.546	12.311	0.008056105	<i>TNFAIP8</i>	ENSSSCG00000040617
2	5946261	5951179	0.421	0.382	13.852	0.008108153	<i>PELI3</i>	ENSSSCG00000012944
10	68515326	68559454	0.666	0.181	31.776	0.00812261		ENSSSCG00000029066
10	68515326	68559454	0.666	0.181	31.776	0.00812261	<i>GTPBP4</i>	ENSSSCG00000028602
17	33954394	34010127	0.673	0.183	31.590	0.008219961	<i>SDCBP2</i>	ENSSSCG00000007189
17	33954394	34010127	0.673	0.183	31.590	0.008219961	<i>SNPH</i>	ENSSSCG00000039392
14	138901973	138903706	0.396	0.499	13.700	0.008300185	<i>EBF3</i>	ENSSSCG00000010757
12	49754775	49757430	0.488	0.376	16.775	0.008311671	<i>TAX1BP3</i>	ENSSSCG00000017866
17	59678698	59678761	0.691	0.178	31.382	0.008331095	<i>PHACTR3</i>	ENSSSCG00000007528
12	4311682	4312532	0.552	0.282	23.112	0.008389643	<i>Sep-09</i>	ENSSSCG00000017168
17	62224249	62238445	0.844	0.127	65.264	0.008423034	<i>BHLHE23</i>	ENSSSCG00000031937
18	50814408	50829258	0.621	0.236	24.553	0.008425382	<i>NUDCD3</i>	ENSSSCG00000016747
2	5207444	5210844	0.723	0.159	39.233	0.008426533	<i>GRK2</i>	ENSSSCG00000012918
3	126728539	126795050	0.369	0.516	13.581	0.008477136	<i>YWHAQ</i>	ENSSSCG00000008638
12	6111217	6186351	0.644	0.227	24.479	0.008481052	<i>SUMO2</i>	ENSSSCG00000017212
12	6111217	6186351	0.644	0.227	24.479	0.008481052	<i>JPT1</i>	ENSSSCG00000017213
12	6111217	6186351	0.644	0.227	24.479	0.008481052	<i>NT5C</i>	ENSSSCG00000028210
12	6111217	6186351	0.644	0.227	24.479	0.008481052		ENSSSCG00000031357
12	6111217	6186351	0.644	0.227	24.479	0.008481052	<i>ARMC7</i>	ENSSSCG00000017214
12	6111217	6186351	0.644	0.227	24.479	0.008481052	<i>SLC16A5</i>	ENSSSCG00000017215
6	40728309	40733623	0.356	0.542	13.573	0.00849075	<i>ZNF536</i>	ENSSSCG00000029234
17	59774269	59783874	0.653	0.197	31.080	0.008495379	<i>PHACTR3</i>	ENSSSCG00000007528
12	54611528	54642293	0.564	0.288	22.973	0.008501455	<i>USP43</i>	ENSSSCG00000017995
12	54611528	54642293	0.564	0.288	22.973	0.008501455	<i>DHRS7C</i>	ENSSSCG00000017996
5	18176023	18176096	0.473	0.345	16.604	0.008514677	<i>KRT8</i>	ENSSSCG00000000252
7	115229892	115231257	0.535	0.308	18.064	0.008573232	<i>ASB2</i>	ENSSSCG00000002467
14	58655801	58724860	0.443	0.378	13.509	0.008629672	<i>DISC1</i>	ENSSSCG00000010170
14	58655801	58724860	0.443	0.378	13.509	0.008629672	<i>SNORA25</i>	ENSSSCG00000033016

13	207975902	207975924	0.864	0.113	75.393	0.008668194	<i>COL18A1</i>	ENSSSCG00000038089
12	47401914	47401966	0.517	0.329	17.971	0.008676059	<i>RPH3AL</i>	ENSSSCG00000036705
12	1879813	1879941	0.616	0.236	24.155	0.008731511	<i>RPTOR</i>	ENSSSCG00000017139
12	52013402	52014144	0.824	0.148	63.802	0.008763943	<i>CHRNE</i>	ENSSSCG00000017909
12	52013402	52014144	0.824	0.148	63.802	0.008763943	<i>MINK1</i>	ENSSSCG00000017917
12	52013402	52014144	0.824	0.148	63.802	0.008763943		ENSSSCG00000036915
14	126539125	126713741	0.371	0.538	13.381	0.008788114	<i>CCDC172</i>	ENSSSCG00000010656
14	126539125	126713741	0.371	0.538	13.381	0.008788114	<i>PNLIPRP3</i>	ENSSSCG00000010657
12	6878623	6878678	0.668	0.175	30.547	0.008796305	<i>TTYH2</i>	ENSSSCG00000017238
5	18363872	18408988	0.515	0.338	17.853	0.008810619	<i>CSAD</i>	ENSSSCG00000000259
17	30683196	30683352	0.564	0.290	22.554	0.00885061	<i>SYNDIG1</i>	ENSSSCG00000007130
11	18461903	18536798	0.478	0.399	16.312	0.008877047	<i>CDADC1</i>	ENSSSCG00000031598
12	46897374	46897971	0.512	0.418	17.774	0.008901457	<i>TIMM22</i>	ENSSSCG00000017803
2	83356499	83356618	0.564	0.300	22.462	0.008929382		ENSSSCG00000033215
14	14134080	14134153	0.403	0.363	13.288	0.008987514	<i>XKR6</i>	ENSSSCG00000009693
2	78414657	78498215	0.431	0.421	13.245	0.009059796	<i>RASGEF1C</i>	ENSSSCG00000014011
2	2777092	2816535	0.381	0.474	13.170	0.009132189	<i>SHANK2</i>	ENSSSCG00000033043
2	2777092	2816535	0.381	0.474	13.170	0.009132189		ENSSSCG00000031191
14	140568536	140568564	0.421	0.382	13.168	0.009190037	<i>STK32C</i>	ENSSSCG00000010761
11	63360449	63386343	0.386	0.412	13.128	0.009202177		ENSSSCG00000009489
18	45392471	45421011	0.728	0.150	37.442	0.009225696	<i>HOXA10</i>	ENSSSCG00000021204
18	45392471	45421011	0.728	0.150	37.442	0.009225696	<i>ssc-mir-196b-1</i>	ENSSSCG00000040561
18	45392471	45421011	0.728	0.150	37.442	0.009225696	<i>HOXA9</i>	ENSSSCG00000028997
18	45392471	45421011	0.728	0.150	37.442	0.009225696	<i>HOXA7</i>	ENSSSCG00000016701
17	47657254	47657285	0.304	0.524	11.652	0.009243083	<i>SDC4</i>	ENSSSCG00000038594
7	9956933	9957003	0.371	0.480	13.067	0.009304619		ENSSSCG00000033573
7	9956933	9957003	0.371	0.480	13.067	0.009304619	<i>SIRT5</i>	ENSSSCG00000031129
13	207289754	207311337	0.396	0.525	13.060	0.009317621	<i>TSPEAR</i>	ENSSSCG00000022988
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768

13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
13	207289754	207311337	0.396	0.525	13.060	0.009317621		ENSSSCG00000028768
7	2949017	2949080	0.894	0.107	72.021	0.009349378		ENSSSCG00000000999
7	2949017	2949080	0.894	0.107	72.021	0.009349378		ENSSSCG00000000999
7	2949017	2949080	0.894	0.107	72.021	0.009349378		ENSSSCG00000000999
7	2949017	2949080	0.894	0.107	72.021	0.009349378		ENSSSCG00000000999
7	2949017	2949080	0.894	0.107	72.021	0.009349378		ENSSSCG00000000999
7	2949017	2949080	0.894	0.107	72.021	0.009349378		ENSSSCG00000000999
12	4415385	4425947	0.517	0.313	17.388	0.009363706	<i>U6</i>	ENSSSCG00000020634
7	34795995	34804588	0.493	0.382	15.942	0.009366745		ENSSSCG00000031184
2	1738196	1750552	0.441	0.382	13.042	0.009410708	<i>KCNQ1</i>	ENSSSCG00000039556
17	61772786	61773745	0.876	0.124	71.685	0.009421765	<i>CABLES2</i>	ENSSSCG00000007540
12	43396166	43405746	0.656	0.222	29.467	0.009453762	<i>RAB11FIP4</i>	ENSSSCG00000017747
4	1643915	1644182	0.403	0.440	12.999	0.009486024	<i>ADGRB1</i>	ENSSSCG00000035891
17	34760889	34789351	0.505	0.340	17.256	0.00952859	<i>TRIB3</i>	ENSSSCG00000039862
17	34760889	34789351	0.505	0.340	17.256	0.00952859	<i>RBCK1</i>	ENSSSCG00000007206
13	196334060	196348600	0.621	0.191	23.148	0.009575154	<i>PAXBP1</i>	ENSSSCG00000012037
13	16824960	16835122	0.559	0.266	21.750	0.009576106	<i>TGFBR2</i>	ENSSSCG00000011226
12	52555457	52555559	0.745	0.156	36.718	0.009578611	<i>DLG4</i>	ENSSSCG00000024285
7	32016486	32140154	0.465	0.361	15.767	0.009609297	<i>C6orf222</i>	ENSSSCG00000001560
7	32016486	32140154	0.465	0.361	15.767	0.009609297	<i>ETV7</i>	ENSSSCG00000001561
7	32016486	32140154	0.465	0.361	15.767	0.009609297	<i>PXT1</i>	ENSSSCG00000036420
7	32016486	32140154	0.465	0.361	15.767	0.009609297	<i>KCTD20</i>	ENSSSCG00000001562
7	30323192	30466967	0.458	0.386	15.754	0.009627991		ENSSSCG00000023160
7	30323192	30466967	0.458	0.386	15.754	0.009627991	<i>NUDT3</i>	ENSSSCG00000031593
7	30323192	30466967	0.458	0.386	15.754	0.009627991	<i>RPS10</i>	ENSSSCG00000001528
7	30323192	30466967	0.458	0.386	15.754	0.009627991	<i>PACINI</i>	ENSSSCG00000027053

9	40931325	40949432	0.871	0.134	70.416	0.009701954	<i>NCAM1</i>	ENSSSCG00000015045
7	114310994	114311268	0.475	0.352	15.693	0.009715637	<i>RIN3</i>	ENSSSCG00000002451
7	38058856	38059568	0.661	0.236	28.934	0.009802835	<i>PPP2R5D</i>	ENSSSCG00000001654
1	1218910	1222300	0.446	0.436	12.823	0.009806512	<i>SMOC2</i>	ENSSSCG00000004013
12	2286710	2344435	0.713	0.174	36.257	0.009813399	<i>GAA</i>	ENSSSCG00000017156
12	2286710	2344435	0.713	0.174	36.257	0.009813399	<i>CCDC40</i>	ENSSSCG00000017158
18	48651375	48710154	0.807	0.123	59.752	0.009819926	<i>PGAM2</i>	ENSSSCG00000016720
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU1_2</i>	ENSSSCG00000040115
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU1_1</i>	ENSSSCG00000034295
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU2_6</i>	ENSSSCG00000033631
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU2_5</i>	ENSSSCG00000033317
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU2_4</i>	ENSSSCG00000035203
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU2_4</i>	ENSSSCG00000035203
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU2_3</i>	ENSSSCG00000039790
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>ssc-mir-15a</i>	ENSSSCG00000019092
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>ssc-mir-16-2</i>	ENSSSCG00000019808
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU2_2</i>	ENSSSCG00000037702
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU2_2</i>	ENSSSCG00000037702
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>DLEU2_1</i>	ENSSSCG00000031473
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>KCNRG</i>	ENSSSCG00000009388
11	17627335	17807990	0.500	0.326	17.016	0.009840408	<i>TRIM13</i>	ENSSSCG00000009389
7	100856720	100856877	0.827	0.113	59.407	0.009918113	<i>ADCK1</i>	ENSSSCG00000002408
4	85433648	85467909	0.770	0.168	41.651	0.009918999	<i>LMX1A</i>	ENSSSCG00000006329
12	47040350	47042047	0.819	0.136	59.358	0.009932136	<i>NXN</i>	ENSSSCG00000028720
3	19645363	19663387	0.495	0.299	15.520	0.009967775	<i>KDM8</i>	ENSSSCG00000007818
14	140515807	140520608	0.394	0.436	12.690	0.009979735	<i>STK32C</i>	ENSSSCG00000010761
2	39331720	39331745	0.795	0.134	41.514	0.009979932	<i>NAV2</i>	ENSSSCG00000013351

Appendix B List of 12 potential candidate genes detected by REHH (P -value<0.05) and ROH method

Chr.	Gene Start (bp)	Gene End (bp)	Gene Name	Ensembl Gene ID
7	100777134	100902638	<i>ADCK1</i>	ENSSSCG00000002408
12	2249131	2275012	<i>CARD14</i>	ENSSSCG000000017154
12	2316493	2336988	<i>GAA</i>	ENSSSCG000000017156
12	2341574	2384103	<i>CCDC40</i>	ENSSSCG000000017158
12	2401816	2455818	<i>TBC1D16</i>	ENSSSCG000000017159
12	2611940	2619704	<i>ENPP7</i>	ENSSSCG000000017163
17	40774120	40948915	<i>CTNBL1</i>	ENSSSCG00000007337
17	44050008	44267340	<i>CHD6</i>	ENSSSCG00000007360
17	44718780	45135905	<i>PTPRT</i>	ENSSSCG000000038990
18	45393945	45402617	<i>HOXA10</i>	ENSSSCG000000021204
18	45408457	45411913	<i>HOXA9</i>	ENSSSCG000000028997
18	45417132	45421017	<i>HOXA7</i>	ENSSSCG000000016701