

Table S5 Details of differentially expressed genes between H10 and H70

Gene	Location	Value_1(H10)	Value_2(H70)	log2(fold_change)	test_stat	p_value	q_value
-	1:1413290-1461609	16.9753	0	-inf	nan	5.00E-05	0.00353958
CLDN8	1:5035869-5037857	4.54445	25.6552	2.49707	3.31332	5.00E-05	0.00353958
BT.68839	1:46543384-46554479	49.4037	10.8703	-2.18423	-3.07183	5.00E-05	0.00353958
ATP13A4	1:74487193-74630220	2.19528	26.9015	3.61521	3.45559	5.00E-05	0.00353958
BCL6	1:80179481-80202388	84.2164	32.8995	-1.35604	-1.90853	0.0008	0.0302886
MASP1	1:80596923-80649363	0.969394	5.66817	2.54773	2.08426	0.00045	0.0191737
TM4SF18	1:119800090-119823457	7.10352	31.2232	2.13601	2.56315	5.00E-05	0.00353958
MX2	1:143119271-143155057	142.638	43.4942	-1.71347	-2.44438	0.00015	0.00832163
BT.11942	1:146946220-147040968	0.231036	2.3278	3.33277	2.32578	0.00015	0.00832163
ETS2	1:152878891-152890252	59.4162	11.7654	-2.3363	-2.91604	5.00E-05	0.00353958
BDH1	1:72572940-72608859	6.18044	26.6531	2.10852	2.34575	0.0003	0.0142573
BT.28708	1:77197969-77343645	88.8532	19.7916	-2.16654	-3.02005	5.00E-05	0.00353958
EPHB3	1:83202438-83244544	0.837172	4.59454	2.45633	2.25526	0.00035	0.0160175
BT.85209	1:110945723-111211551	70.7888	1.31208	-5.7536	-3.04325	5.00E-05	0.00353958
RASA2	1:128345231-128468291	9.53045	3.12666	-1.60792	-2.0316	0.0011	0.0377556
-	1:146880467-146883339	1.72196	0	-inf	nan	0.0013	0.0430966
-	1:153129915-153167211	50.5875	5.48158	-3.20612	-3.24485	0.0001	0.00612252
BT.69975	10:7879495-7897150	1.44073	14.8231	3.36298	3.43833	5.00E-05	0.00353958
BT.28745	10:7956083-7964929	3.26542	23.749	2.86252	3.00836	0.0001	0.00612252
-	10:10067047-10069294	0	286.457	inf	nan	5.00E-05	0.00353958
NEO1	10:19795805-19959384	0.473108	2.08662	2.14092	1.66432	0.00155	0.0491086
SPINT1	10:36468113-36504314	2.45933	11.3463	2.20589	1.97349	0.0005	0.0209753
DMXL2	10:58841641-59070013	30.8973	5.25003	-2.55708	-2.90496	0.0004	0.0176519
HRH2	10:5380605-5410760	33.9223	5.11125	-2.73049	-3.02998	5.00E-05	0.00353958
DMGDH	10:9994009-10066954	0.10604	4.31497	5.34667	4.58534	0.0003	0.0142573
HOMER1	10:10350691-10484916	1.07888	5.20513	2.27041	2.58359	5.00E-05	0.00353958
TLN2	10:47303875-47796327	0.779115	3.34587	2.10247	2.00024	0.0006	0.0240566
SEMA6D	10:62863668-62921509	0.189476	1.52023	3.00421	2.07674	0.0003	0.0142573
DHRS7	10:72617791-72641194	6.29002	22.1439	1.81578	2.98303	0.00045	0.0191737
RAB15	10:77387905-77408370	2.91288	9.98546	1.77738	1.93288	0.0001	0.00612252
ABCD4	10:86023729-86039767	7.06901	25.8963	1.87317	2.3512	0.00025	0.0124469
PROM2	11:1991028-2007006	0.0873771	1.62886	4.22046	2.41792	0.0014	0.0455234
IL1R2	11:6717052-6757777	19.5039	1.10071	-4.14726	-3.63319	5.00E-05	0.00353958
RETSAT	11:49475070-49489800	5.70722	30.3149	2.40917	3.24845	5.00E-05	0.00353958
SLC1A4	11:63290421-63395507	3.82796	11.9295	1.63988	2.11578	0.00075	0.0287966
MXD1	11:68232836-68255717	419.972	44.7088	-3.23166	-2.0257	0.00015	0.00832163
CMPK2	11:90041890-90057598	22.9891	4.88099	-2.2357	-2.45085	0.0002	0.0105774

BT.100456	11:92577650-92665089	0.827519	5.11552	2.62801	2.35676	0.00015	0.00832163
BT.88795	11:107260652-107261718	1029.39	148.494	-2.79332	-7.19726	5.00E-05	0.00353958
BT.44392	11:2250454-2252492	252.897	50.2738	-2.33067	-4.18332	5.00E-05	0.00353958
DYSF	11:12894978-13123270	8.70919	2.67039	-1.70549	-2.30516	0.0001	0.00612252
IL1A	11:46348925-46360429	24.9222	5.76163	-2.11288	-2.69322	5.00E-05	0.00353958
IL1B	11:46410276-46418787	105.687	16.904	-2.64436	-3.8257	5.00E-05	0.00353958
CTNNA2,ENSBTA	11:54723189-55906462	0.198223	2.12806	3.42434	1.94791	0.00105	0.0364071
-	11:68326084-68383016	58.1435	8.67738	-2.74429	-4.90472	0.00015	0.00832163
FOSL2	11:71329771-71349193	134.244	53.0472	-1.33951	-2.23022	0.0009	0.0327957
BT.49091	11:72223039-72224689	12.8802	52.3529	2.02312	3.60219	0.00035	0.0160175
LPIN1	11:86035328-86128538	7.68836	28.1014	1.86989	1.83936	0.001	0.0352124
RSAD2	11:90012629-90029927	71.1195	6.72072	-3.40356	-4.77989	5.00E-05	0.00353958
SH2D3C	11:98435179-98467957	26.9662	6.03295	-2.16022	-1.68388	0.00105	0.0364071
NOTCH1	11:103986051-104030727	45.4329	16.4454	-1.46605	-2.05981	0.00105	0.0364071
BT.25025	11:104417538-104424788	17.2843	5.62554	-1.6194	-2.06271	0.00085	0.0313946
VAV2	11:104646645-104796229	1.30443	14.2907	3.45358	3.08575	5.00E-05	0.00353958
IFITM2	11:107191849-107203683	1266.53	173.101	-2.8712	-7.44282	5.00E-05	0.00353958
AKAP11	12:12447546-12495973	9.06162	26.1591	1.52947	2.03843	0.001	0.0352124
KIAA0226L	12:16418105-16458705	98.5607	15.8224	-2.63904	-3.08801	5.00E-05	0.00353958
ALOX5AP	12:30135227-30159808	116.668	29.3236	-1.99227	-2.30958	0.0002	0.0105774
SOX21	12:69742531-69743248	0	0.854087	inf	nan	0.0008	0.0302886
SPTLC3	13:6743745-6941563	2.61794	14.8543	2.50438	2.5085	0.0001	0.00612252
IL2RA	13:17540960-17586321	12.3624	0.325639	-5.24654	-4.15071	5.00E-05	0.00353958
SIGLEC1	13:51939066-51962376	1.49636	0.201031	-2.89596	-2.5759	0.00015	0.00832163
CREM	13:18496783-18563503	970.101	238.958	-2.02138	-1.76038	0.0007	0.0271066
THBD	13:42217370-42221004	43.5754	8.07032	-2.43282	-3.49444	5.00E-05	0.00353958
TGM3	13:53261634-53304213	741.398	43.234	-4.10001	-3.7377	5.00E-05	0.00353958
SLCO4A1	13:55149363-55172499	28.7968	9.50793	-1.59871	-2.25928	0.0001	0.00612252
BT.24663,ENSBTA	13:61924321-61938236	10.0196	1.97209	-2.34503	-2.01469	0.00045	0.0191737
SULF2	13:76879807-77005009	5.11255	31.0158	2.60089	2.36522	5.00E-05	0.00353958
SLC45A4	14:3711836-3740304	16.7507	4.31384	-1.95718	-2.67401	5.00E-05	0.00353958
SLA	14:9261889-9508938	47.6255	15.3727	-1.63137	-2.64124	0.0003	0.0142573
NIPAL2	14:68251837-68342901	10.6263	39.8094	1.90547	2.15396	0.00085	0.0313946
TRIB1	14:16353387-16361545	73.6917	19.2746	-1.9348	-2.85102	5.00E-05	0.00353958
H3F3C,PRKDC	14:21033276-21164037	5.78132	10.0856	3.25886	0.818552	5.00E-05	0.00353958
CA8	14:27637560-27719848	4.00245	15.4279	1.94658	1.76061	0.0012	0.0405731
SDC2	14:69930852-70050653	18.823	118.375	2.6528	3.37853	5.00E-05	0.00353958
BT.44982,BT.9104	15:52255759-52271899	8.45669	0.86726	-3.28556	-3.65156	5.00E-05	0.00353958
FOLR1	15:52563047-52567329	46.4197	188.117	2.01882	2.05243	0.00095	0.0338908
DGAT2,UVRAG	15:55940756-56317353	33.2856	9.3032	-1.8391	-2.46659	5.00E-05	0.00353958
-	15:78923225-79039276	253.343	67.1113	-1.91647	-9.07284	5.00E-05	0.00353958

AMICA1	15:29313735-29345149	39.1811	11.5338	-1.76429	-2.45606	5.00E-05	0.00353958
NUCB2	15:35693277-35734612	15.2972	51.8959	1.76235	2.19543	0.00035	0.0160175
MUC15	15:57913543-58130615	14.1152	134.461	3.25186	2.46703	0.00025	0.0124469
LGR4	15:58873842-58977292	0.399123	3.56083	3.15731	3.13927	0.0001	0.00612252
CD59	15:65145072-65181820	61.2181	270.595	2.1441	2.22439	5.00E-05	0.00353958
UBE2L6	15:82124875-82138170	41.4518	13.7759	-1.58929	-3.0433	0.0006	0.0240566
TCN1	15:84361363-84434956	94.1467	2.02983	-5.53548	-4.95987	5.00E-05	0.00353958
MFSD4	16:3168634-3193846	7.14208	64.8129	3.18187	3.25689	5.00E-05	0.00353958
TGFB2	16:22495735-22588280	1.27034	8.62785	2.76379	2.59769	5.00E-05	0.00353958
EPHX1	16:29585791-29624037	4.78103	19.6538	2.03942	2.14	0.00025	0.0124469
ADCK3	16:30655458-30703396	11.9144	33.3532	1.48512	1.91196	0.0013	0.0430966
IER5	16:63689679-63690654	151.298	47.1421	-1.68231	-1.83718	0.00085	0.0313946
LGR6	16:70932237-71016271	1.79432	0.148997	-3.59008	-2.35463	0.00025	0.0124469
BT.42411	16:72740020-72753761	57.5264	7.99924	-2.84629	-3.01797	5.00E-05	0.00353958
SLC41A1	16:3367786-3384777	15.1661	44.8695	1.56488	2.65089	0.00035	0.0160175
IL10	16:4402473-4406421	42.0477	11.4774	-1.87323	-1.7583	0.00125	0.0418473
BT.91089	16:5099067-5125304	95.5381	29.1333	-1.71341	-2.28755	5.00E-05	0.00353958
HHIPL2	16:26713224-26741364	9.04914	59.979	2.7286	2.95864	5.00E-05	0.00353958
BT.23666	16:37966822-38045988	10.2031	3.47807	-1.55264	-2.164	0.0001	0.00612252
SELL	16:38148941-38173226	114.501	10.8181	-3.40383	-4.01445	5.00E-05	0.00353958
AGRN,ISG15	16:52674206-52720757	1758.58	252.95	-2.79749	-3.04045	0.0001	0.00612252
BT.104982	16:69263775-69271738	41.3781	3.29773	-3.64932	-3.84376	5.00E-05	0.00353958
FAM71A	16:72811910-72814133	2.95445	0.300601	-3.29697	-3.12797	0.0002	0.0105774
FGG	17:2823020-2830960	3.43526	32.4012	3.23756	3.24275	5.00E-05	0.00353958
-	17:4950509-5036228	88.6745	9.99615	-3.14907	-2.10402	5.00E-05	0.00353958
ENSBTAG0000004	17:55053666-55054749	179.852	16.736	-3.42578	-6.20614	5.00E-05	0.00353958
TBX3	17:62352244-62363636	0.481882	3.18949	2.72657	2.10288	0.00065	0.0256826
BT.48450	17:72142467-72196937	53.4955	15.1203	-1.82293	-2.34194	5.00E-05	0.00353958
SGLT1	17:72690557-72740066	1.01651	11.3536	3.48145	4.03445	5.00E-05	0.00353958
P2RX6	17:74356167-74364831	0.158666	3.55516	4.48585	2.77155	0.0007	0.0271066
HIP1R	17:54915865-54946127	45.1579	13.1205	-1.78316	-2.11451	0.00025	0.0124469
MLXIP	17:55468195-55528501	71.6597	23.7746	-1.59174	-2.71087	5.00E-05	0.00353958
TMEM120B	17:55759605-55815637	19.0255	141.881	2.89867	2.1326	0.0015	0.0478592
-	17:58033708-58079333	0	23.5867	inf	nan	0.0002	0.0105774
HSPB8	17:58405436-58418688	1.20173	10.6833	3.15217	3.5043	5.00E-05	0.00353958
RASAL1	17:63397790-63429841	5.23742	19.2262	1.87615	1.97898	0.0014	0.0455234
BT.45038	17:71434156-71437432	118.922	15.0554	-2.98166	-3.27036	5.00E-05	0.00353958
BT.28253	17:73437808-73453708	11.2334	54.1887	2.27019	2.40716	0.0002	0.0105774
BT.56667	17:73576017-73590296	15.7544	3.06552	-2.36155	-2.71971	5.00E-05	0.00353958
SLC7A4	17:74366169-74373743	9.12777	91.2461	3.32143	4.11798	5.00E-05	0.00353958
VAT1L	18:5045211-5211278	8.90073	0.204785	-5.44174	-3.81134	0.00015	0.00832163

BT.8228	18:10610404-10689343	19.2981	244.866	3.66546	3.09368	0.00045	0.0191737
LPCAT2	18:23861828-23962438	24.7122	7.02311	-1.81504	-2.48974	5.00E-05	0.00353958
GPR97	18:25726848-25753920	10.6473	0.355296	-4.90533	-3.3243	5.00E-05	0.00353958
MMP15	18:26021949-26043124	0.549232	3.50112	2.67233	2.68587	0.0003	0.0142573
NDRG4	18:26340550-26383749	3.52531	16.6058	2.23587	2.10677	0.00025	0.0124469
BT.64827	18:36187857-36243479	6.41703	17.5519	1.45165	1.75384	0.00105	0.0364071
HPN	18:45971858-45991833	7.80605	69.6492	3.15744	3.52655	5.00E-05	0.00353958
GPR43	18:46312177-46314341	10.5589	1.1034	-3.25842	-2.84736	0.0001	0.00612252
SPINT2	18:48295715-48326272	52.5187	295.686	2.49316	4.26599	0.00015	0.00832163
DEDD2	18:51380782-51395993	54.9213	19.2577	-1.51193	-2.02859	0.0004	0.0176519
-	18:52764490-52839691	35.8553	10.021	-1.83916	-1.8657	0.0009	0.0327957
BCL3	18:52922333-52931384	48.4837	14.1504	-1.77666	-3.04364	5.00E-05	0.00353958
FOSB	18:53493560-53508395	23.8502	4.87295	-2.29113	-3.15087	5.00E-05	0.00353958
NLRP12	18:61091347-61147226	1.81882	0.225208	-3.01368	-2.06176	0.00055	0.0226533
-	18:62817113-62822875	22.1088	0.706853	-4.96706	-4.15128	0.0001	0.00612252
FCAR	18:62838409-62864521	42.3376	6.99273	-2.59801	-4.47563	5.00E-05	0.00353958
-	18:63374717-63375764	39.0217	5.54613	-2.81472	-5.91761	0.001	0.0352124
-	18:63375878-63376836	85.4463	8.46476	-3.33548	-8.98357	0.0001	0.00612252
OSCAR	18:63466549-63475792	31.133	4.13001	-2.91422	-3.06179	5.00E-05	0.00353958
TARM1	18:63479270-63491214	34.7451	2.14407	-4.01838	-2.76871	5.00E-05	0.00353958
CDH16	18:34733117-34743031	0.0730254	10.8466	7.21463	3.94947	0.00025	0.0124469
RRAD	18:34746054-34749250	3.88601	61.6559	3.98788	5.36273	5.00E-05	0.00353958
HP	18:39173134-39179293	48.152	15.3953	-1.64511	-2.65102	0.00065	0.0256826
BT.38851	18:43574290-43644737	1.74506	6.88209	1.97957	2.21594	0.0011	0.0377556
ENSBTAG000000	18:51735955-51789258	96.0178	24.8422	-1.95051	-3.14501	5.00E-05	0.00353958
PLAUR	18:52200758-52241181	731.997	200.227	-1.8702	-2.84409	0.00125	0.0418473
BT.88266	18:57861546-57868646	29.337	2.06199	-3.83061	-3.48481	5.00E-05	0.00353958
ENSBTAG000000	18:63009835-63020867	41.3598	6.84016	-2.59613	-3.11319	5.00E-05	0.00353958
LPO	19:9441747-9471498	23.779	166.461	2.80743	2.13538	0.0008	0.0302886
-	19:14757097-14764366	692.826	68.7866	-3.33229	-3.50052	5.00E-05	0.00353958
CCL16	19:14782700-14786690	44.7312	5.87872	-2.92771	-5.07649	5.00E-05	0.00353958
CCL5	19:14823469-14831157	72.0568	25.8252	-1.48036	-3.38431	0.0006	0.0240566
CPD	19:22025795-22086708	24.4198	9.64471	-1.34024	-2.27982	0.0004	0.0176519
RAP1GAP2	19:24274365-24454176	3.44554	0.620623	-2.47294	-1.95774	0.00085	0.0313946
KDM6B	19:28135157-28155513	31.5386	5.76752	-2.4511	-2.80395	5.00E-05	0.00353958
ERBB2	19:40722038-40745987	1.08177	4.21075	1.96069	1.88777	0.00135	0.0445369
SOCS3	19:54458148-54459555	56.5836	10.1703	-2.47602	-2.62798	5.00E-05	0.00353958
C19H17orf28	19:57076158-57097117	3.72437	13.8903	1.89901	2.04929	0.0006	0.0240566
BT.88312	19:13752491-13996058	11.6438	67.8374	2.54252	2.23472	0.00145	0.0469248
CCL4	19:14653466-14655028	210.316	42.129	-2.31967	-5.58813	5.00E-05	0.00353958
TMEM132E	19:15792360-15810652	0.0821215	3.2794	5.31953	4.12425	0.0006	0.0240566

CCL8	19:16137673-16139707	66.6971	13.0633	-2.3521	-4.41499	5.00E-05	0.00353958
PHF12	19:20835679-20875590	27.8927	11.4833	-1.28035	-1.8845	0.00045	0.0191737
SSH2	19:21439741-21574647	12.8254	3.27604	-1.96897	-2.41964	5.00E-05	0.00353958
CLDN7	19:27602594-27604817	12.0447	62.4186	2.37357	4.00823	5.00E-05	0.00353958
PIK3R5	19:28975558-29048771	22.0071	6.13397	-1.84307	-2.44047	5.00E-05	0.00353958
PMP22	19:33357140-33382707	13.9731	38.7413	1.47122	2.57226	0.00045	0.0191737
BT.27564	19:42877796-42888179	39.7175	16.1486	-1.29837	-1.95231	0.0005	0.0209753
PTRF	19:43148012-43162165	4.28492	14.721	1.78054	1.85239	0.0012	0.0405731
CYB561	19:48414991-48436565	1.7024	11.1385	2.70991	2.84439	5.00E-05	0.00353958
GPRC5C	19:57641616-57656371	1.30223	9.82802	2.91592	2.73535	0.00015	0.00832163
IFIH1	2:34217172-34272473	26.1272	9.37204	-1.47912	-2.42505	0.0001	0.00612252
ITM2C	2:119476495-119490380	55.3267	19.6304	-1.49489	-2.39107	0.0009	0.0327957
SLC30A2	2:127638450-127645772	5.13685	52.8444	3.36279	2.9927	5.00E-05	0.00353958
E2F2	2:129925613-129944755	6.49693	0.970779	-2.74254	-2.21438	0.00025	0.0124469
BT.17865	2:27317637-27380521	2.74472	11.1435	2.02147	1.73051	0.0014	0.0455234
TSG-6	2:44850891-44867293	20.6263	1.44565	-3.83469	-4.82796	0.00045	0.0191737
FZD5	2:96470341-96472144	3.98378	24.8246	2.63956	2.8326	5.00E-05	0.00353958
BT.66847	2:106877084-106940905	460.561	34.0714	-3.75676	-2.89655	0.00035	0.0160175
PTPRU	2:124819575-124906896	0.0815718	0.746941	3.19485	2.27545	0.0005	0.0209753
SESN2	2:125698150-125714128	28.6433	10.6667	-1.42508	-1.90798	0.00085	0.0313946
SYTL1	2:126519061-126528373	11.4651	34.7196	1.5985	1.76235	0.00155	0.0491086
EXTL1	2:127647570-127665188	0.460206	6.17552	3.74621	2.98471	5.00E-05	0.00353958
ALPL	2:131791679-131857642	16.8481	1.00408	-4.06865	-3.31547	5.00E-05	0.00353958
CDA	2:132636461-132657392	8.74196	1.6278	-2.42504	-3.02242	0.0012	0.0405731
KLHDC7A	2:134776471-134778862	0.982671	8.86991	3.17414	3.05369	5.00E-05	0.00353958
FYB	20:35176988-35347535	42.8727	16.5995	-1.36892	-1.89414	0.0004	0.0176519
PRLR	20:38951596-39137480	2.20903	10.538	2.25412	1.87845	0.0001	0.00612252
BT.103339	20:56295178-56572213	2.55776	7.59089	1.56939	1.99323	0.00055	0.0226533
FAM134B	20:56644738-56758641	20.0774	166.525	3.05209	2.73409	5.00E-05	0.00353958
BT.85182	20:4449108-4452189	289.818	80.4599	-1.84881	-2.75009	0.00035	0.0160175
TMEM171	20:8419596-8430125	2.44631	15.2663	2.64167	1.9984	0.00025	0.0124469
NAIP	20:10071639-10111995	41.9896	7.40158	-2.50413	-3.3654	5.00E-05	0.00353958
OCLN	20:10154908-10201157	1.98347	10.4314	2.39483	2.41663	0.0001	0.00612252
FAM159B	20:14723559-14746350	2.07687	50.028	4.59025	2.75543	5.00E-05	0.00353958
GPX8	20:23975639-23980445	2.28681	11.3686	2.31365	1.95939	0.0014	0.0455234
FST	20:25588641-25594057	0.761861	7.28256	3.25685	2.47152	0.00035	0.0160175
ENSBTAG0000003	20:55967803-56022210	20.3194	4.1961	-2.27573	-2.00561	0.0002	0.0105774
ISG20	21:20013718-20031094	168.478	35.2614	-2.2564	-2.5049	5.00E-05	0.00353958
BT.42063	21:22949799-23048041	0.971509	5.55393	2.51521	1.87742	0.00045	0.0191737
BT.26527	21:27527683-27606711	4.09829	0.920506	-2.15452	-1.87326	0.0008	0.0302886
C21H15orf27	21:31860164-31983703	0.342194	2.89376	3.08006	1.56919	0.00095	0.0338908

PSTPIP1	21:32644739-32689060	49.0285	14.6104	-1.74663	-2.31503	5.00E-05	0.00353958
BT.104995	21:34724306-34734990	1.71173	12.6732	2.88826	3.36447	5.00E-05	0.00353958
ATP10A	21:2806935-2988464	0.646939	3.72998	2.52747	1.93861	0.0003	0.0142573
ARRDC4	21:8924762-8939028	63.2639	14.2155	-2.15391	-2.92368	5.00E-05	0.00353958
BT.28177	21:12839570-13098203	5.27325	0.594762	-3.14831	-2.46568	0.00035	0.0160175
LMAN1L	21:34248043-34259808	0.300047	2.55902	3.09233	2.14846	0.0015	0.0478592
CMA1	21:35112321-35115054	0	1.1849	inf	nan	0.00015	0.00832163
BT.88447	21:48214178-48217962	0.389794	3.38984	3.12044	3.05297	0.00115	0.0393723
GPR68	21:56588075-56625811	4.06703	19.9423	2.29378	2.25085	5.00E-05	0.00353958
TRANK1	22:10626377-10722545	21.3319	5.72644	-1.8973	-2.46928	5.00E-05	0.00353958
BT.46336	22:15280707-15312566	1.51334	12.0496	2.99317	2.52958	5.00E-05	0.00353958
PRRT3,TMEM111	22:16833932-16863951	168.175	729.269	2.11649	6.88145	5.00E-05	0.00353958
LRIG1	22:35068217-35181384	1.47886	13.1715	3.15486	2.49871	5.00E-05	0.00353958
MAG11	22:35874897-36134917	3.0528	14.8935	2.28648	1.99404	5.00E-05	0.00353958
UBA7	22:50991901-51000966	40.2016	13.8362	-1.5388	-2.29075	0.0002	0.0105774
LTF	22:53521699-53556089	41.1082	304.761	2.89018	2.61247	0.0013	0.0430966
BT.106550	22:53900594-53945136	4.11831	0.629401	-2.71	-2.15308	0.00045	0.0191737
SLC38A3	22:50702768-50717581	3.17898	30.0816	3.24225	2.89924	5.00E-05	0.00353958
SEMA3F	22:50733156-50769905	1.85888	8.04276	2.11326	2.14852	0.0005	0.0209753
CCRL2	22:53567796-53584659	94.1187	12.0974	-2.95978	-3.95925	5.00E-05	0.00353958
CLEC3B	22:54791194-54797301	4.56412	38.7651	3.08635	4.48287	5.00E-05	0.00353958
LTB	23:27529855-27531864	33.5207	3.51818	-3.25215	-3.23001	5.00E-05	0.00353958
IER3	23:28088455-28089722	143.955	45.2637	-1.6692	-3.26205	5.00E-05	0.00353958
BT.88525	23:13057052-13095621	2.34376	37.2121	3.98887	3.5071	5.00E-05	0.00353958
TREML2	23:15122241-15134716	90.4912	32.6937	-1.46877	-1.95388	0.0007	0.0271066
TREM1	23:15148076-15163188	151.592	55.7001	-1.44445	-2.65253	0.00075	0.0287966
GPR110	23:20206357-20252189	0.52387	17.675	5.07636	4.43255	5.00E-05	0.00353958
BT.49282	23:22162641-22189911	3.44817	46.4106	3.75055	3.85575	5.00E-05	0.00353958
TNF	23:27533910-27536674	13.7311	2.16409	-2.66562	-2.63518	5.00E-05	0.00353958
DDR1	23:27975618-27991748	2.45291	9.91669	2.01536	2.23701	0.0002	0.0105774
DSP	23:47670502-47714288	2.89919	12.1219	2.06389	2.1139	0.0002	0.0105774
PTPRM	24:40768712-41437121	0.143365	2.2353	3.9627	2.88328	5.00E-05	0.00353958
MAPK4	24:50684777-50745042	0.45974	3.78936	3.04306	2.39028	0.0003	0.0142573
BT.53705	24:62591412-62609170	31.9034	10.3182	-1.62851	-2.38219	0.00085	0.0313946
BT.58893	24:12741839-12765329	44.6095	0.752342	-5.88982	-5.22904	5.00E-05	0.00353958
DSG2	24:25913548-25964768	0.59565	3.307	2.47299	2.41747	5.00E-05	0.00353958
COLEC12	24:35630928-35816269	0.466344	21.9595	5.55731	5.03895	5.00E-05	0.00353958
CIDEA	24:43231406-43233297	52.6711	327.722	2.63739	2.38801	5.00E-05	0.00353958
PSTPIP2	24:46196112-46290465	43.1864	8.94277	-2.27178	-3.14743	5.00E-05	0.00353958
BT.66080,SERPINI	24:62356931-62451599	237.799	12.174	-4.28787	-4.62899	5.00E-05	0.00353958
CACNA1H	25:959757-984950	1.88308	6.93793	1.88141	1.86723	0.00155	0.0491086

MMP25	25:2478688-2489925	51.457	5.05974	-3.34623	-3.50493	5.00E-05	0.00353958
TMC5	25:17123540-17201663	0.807691	7.5667	3.22779	2.69454	5.00E-05	0.00353958
IL21R	25:25208664-25268874	9.76577	1.73865	-2.48977	-2.47767	5.00E-05	0.00353958
RABGEF1	25:28482573-28534880	39.4746	14.6624	-1.42881	-1.97342	0.00095	0.0338908
CLDN3	25:34018455-34019669	21.6365	145.13	2.7458	4.41009	5.00E-05	0.00353958
BT.45760	25:2214196-2217438	8.56275	47.395	2.46859	2.12826	0.0002	0.0105774
BT.106170	25:2230776-2232712	3.78093	22.6768	2.5844	4.11093	0.00075	0.0287966
MEFV	25:2691853-2704324	83.799	5.39961	-3.95601	-4.19264	5.00E-05	0.00353958
GPRC5B	25:17588927-17608885	6.43639	73.975	3.52271	5.19832	5.00E-05	0.00353958
BT.46193,PRSS36	25:27485085-27501201	7.22167	31.2565	2.11375	2.72343	0.00015	0.00832163
NCF1	25:33267457-33282335	287.797	98.5979	-1.54542	-2.53891	0.00095	0.0338908
ELN	25:33787888-33820672	1.71198	0.175684	-3.28461	-2.39713	0.00035	0.0160175
SERPINE1	25:36198559-36206859	20.4964	4.22348	-2.27886	-3.25374	5.00E-05	0.00353958
AZGP1	25:36981868-36986566	36.9501	255.046	2.78711	2.29705	0.00035	0.0160175
DAGLB	25:38842843-38866581	73.0929	25.2822	-1.53161	-2.04706	0.00055	0.0226533
IFIT2	26:11064495-11071316	107.875	17.388	-2.6332	-3.04162	5.00E-05	0.00353958
IFIT1,IFIT3	26:11079573-11110084	315.676	45.5855	-2.7918	-3.16754	5.00E-05	0.00353958
IFIT5	26:11117505-11127464	40.2622	17.3718	-1.21268	-2.14533	0.001	0.0352124
SCD	26:21132134-21133969	90.9211	640.836	2.81727	2.08306	5.00E-05	0.00353958
TACC2	26:42274440-42485654	0.936448	4.60303	2.29731	1.92934	0.0001	0.00612252
ANKRD22	26:10542378-10570091	42.2035	12.9726	-1.7019	-3.02195	0.0002	0.0105774
BT.65021	26:21141591-21149319	85.2596	794.297	3.21975	2.87825	0.00025	0.0124469
DEFB7	27:5219283-5227956	134.748	29.2772	-2.20241	-8.49167	0.00085	0.0313946
ENSBTAG0000004	27:5327038-5328959	316.209	65.7224	-2.26642	-2.23469	5.00E-05	0.00353958
-	27:24255146-24256902	535.79	83.6796	-2.67872	-1.34561	0.0007	0.0271066
PDLIM3	27:14769570-14800205	0.735049	7.52869	3.35649	3.41137	0.00025	0.0124469
KCNK1	28:6492388-6559855	2.6249	23.2183	3.14493	3.96285	5.00E-05	0.00353958
RET	28:13562992-13615888	0.139094	5.73589	5.36588	3.97611	5.00E-05	0.00353958
PHYHIPL	28:14904832-15136823	1.52089	19.1879	3.65721	3.58737	0.0001	0.00612252
PLAU	28:29962495-29971029	282.117	56.9298	-2.30904	-2.47656	0.00025	0.0124469
LYST	28:8417602-8598463	115.988	22.4293	-2.37051	-3.74148	0.0001	0.00612252
ANK3	28:15818094-16073196	1.49388	5.0995	1.77129	1.72701	0.00135	0.0445369
KCNMA1	28:32807350-33587986	0.127753	1.76304	3.78664	2.36583	0.0012	0.0405731
BT.43006	29:9806834-9927317	5.74828	121.879	4.40617	3.47838	5.00E-05	0.00353958
ST14	29:36925362-36971367	17.1105	47.9589	1.48692	2.21944	0.0003	0.0142573
MS4A8B	29:37622090-37654922	49.231	8.41353	-2.54878	-2.85235	5.00E-05	0.00353958
SCGB1D	29:41378326-41381132	234.869	2868.9	3.61057	10.7429	0.0001	0.00612252
SCGB2A2	29:41396638-41400056	10.6905	198.109	4.21189	10.5538	5.00E-05	0.00353958
TM7SF2	29:43981730-43986407	4.59252	18.4815	2.00872	2.23501	0.0004	0.0176519
TBC1D10C	29:45942057-45947879	6.17174	1.33451	-2.20937	-2.126	0.00025	0.0124469
IFITM3	29:51367008-51368065	1148.72	218.429	-2.39478	-6.86769	5.00E-05	0.00353958

ALDH3B2	29:46143362-46150328	5.84146	22.609	1.95249	1.97148	0.0009	0.0327957
FCGR3A	3:7996470-8005228	19.7074	4.13539	-2.25265	-2.68694	5.00E-05	0.00353958
PVRL4	3:8421827-8438222	0.694016	3.63612	2.38936	2.31581	0.0005	0.0209753
CD244	3:8794760-8831787	19.961	3.22135	-2.63145	-2.74341	5.00E-05	0.00353958
S100A8	3:17146917-17147898	1045.82	94.2746	-3.47162	-22.1332	5.00E-05	0.00353958
FMO5	3:22571921-22615024	3.01574	11.0913	1.87884	2.54958	0.0001	0.00612252
AMIGO1	3:34054794-34060289	0.159249	1.08736	2.77147	2.29615	0.0008	0.0302886
GBP5	3:54253031-54269514	10.2503	2.02578	-2.33911	-2.2699	0.00055	0.0226533
MCOLN2	3:59286294-59351124	1.68884	7.35581	2.12285	2.18281	0.001	0.0352124
WLS	3:77396242-77511241	79.0647	8.78026	-3.1707	-4.14795	5.00E-05	0.00353958
SLC6A9	3:102623350-102659082	47.1265	18.172	-1.37482	-2.2225	0.0013	0.0430966
HIVEP3	3:105213589-105268006	8.87475	3.4156	-1.37757	-1.82762	0.00035	0.0160175
CSF3R	3:109993814-110014737	242.267	14.0345	-4.10955	-3.36418	5.00E-05	0.00353958
BT.29245	3:117584072-117637812	1.13471	19.642	4.11354	3.64916	5.00E-05	0.00353958
HSPA6	3:8027844-8029776	236.687	20.8566	-3.5044	-3.77452	5.00E-05	0.00353958
S100A9	3:17176216-17179005	864.742	54.9293	-3.97662	-4.13863	5.00E-05	0.00353958
CGN	3:19290675-19315945	1.65355	6.65054	2.00791	1.97951	0.0003	0.0142573
CD101	3:26317280-26364621	6.8731	0.96846	-2.8272	-2.85286	5.00E-05	0.00353958
-	3:31991617-31996063	1459.75	404.024	-1.85321	-8.6347	5.00E-05	0.00353958
CSF1	3:33603162-33621087	114.245	25.8173	-2.14572	-2.33319	0.0001	0.00612252
KIAA1324	3:34313871-34387455	1.58508	9.75962	2.62227	2.48602	5.00E-05	0.00353958
LRRC8C	3:53717831-53810701	3.97959	12.7489	1.67968	2.16894	0.00105	0.0364071
LPHN2	3:62643352-62946195	0.615803	5.49487	3.15754	2.76775	5.00E-05	0.00353958
-	3:68361329-68612507	0	111.37	inf	nan	5.00E-05	0.00353958
PDE4B	3:79274270-79823433	43.8778	6.26967	-2.80703	-3.3592	5.00E-05	0.00353958
SLC5A9	3:98567048-98595504	0.723729	12.6909	4.13219	3.83412	5.00E-05	0.00353958
PTPRF	3:102998561-103074320	2.70276	13.248	2.29327	2.6653	0.00015	0.00832163
TMEM125	3:103337707-103340965	5.96459	21.1683	1.82741	1.92877	0.00105	0.0364071
MFSD2	3:106724608-106737437	4.36412	25.8958	2.56896	2.77781	5.00E-05	0.00353958
ZC3H12A	3:108990073-108999454	20.6501	8.22785	-1.32756	-1.84702	0.00125	0.0418473
RUNDC3B	4:32691261-32858257	0.173116	1.25656	2.85967	2.21893	0.0007	0.0271066
FGL2	4:44236253-44240215	50.8471	17.5574	-1.53409	-2.62396	0.0006	0.0240566
PRKAR2B	4:48434954-48535433	4.84544	15.5491	1.68213	2.39505	0.0015	0.0478592
BT.64791	4:60940662-61125662	8.79123	0.67288	-3.70764	-3.57372	5.00E-05	0.00353958
MGAM	4:106115756-106206212	3.13845	0.681881	-2.20246	-2.43512	0.00015	0.00832163
BT.20327	4:7528099-7556554	109.829	12.0911	-3.18324	-4.15246	5.00E-05	0.00353958
SAMD9	4:10302666-10337973	33.9178	9.18037	-1.88542	-2.28111	5.00E-05	0.00353958
AGMO	4:23499625-23891236	0.39384	3.80078	3.27061	2.63647	0.0004	0.0176519
STEAP4	4:72833496-72862043	17.7043	2.86484	-2.62758	-3.49258	0.00015	0.00832163
BT.89244,ENSBTA	4:99787243-99950827	63.4178	26.4347	-1.26245	-2.11491	0.00085	0.0313946
PTN	4:101685423-101795483	0	0.772022	inf	nan	5.00E-05	0.00353958

NFE2	5:25929034-25936083	41.027	6.15234	-2.73736	-2.53086	5.00E-05	0.00353958
BT.87815	5:27213749-27221177	13.509	46.8163	1.79309	2.61177	0.00045	0.0191737
BT.61413	5:31155390-31176231	2.05272	22.3209	3.44279	3.14043	5.00E-05	0.00353958
NELL2	5:35656888-36042694	3.92856	50.1313	3.67364	3.81371	5.00E-05	0.00353958
AGAP2	5:56047710-56062903	5.23671	1.31125	-1.99772	-2.02504	0.0006	0.0240566
C5H12orf75	5:69161771-69249283	45.1169	4.18429	-3.43061	-3.39703	5.00E-05	0.00353958
TIMP3	5:71475846-71926718	3.96971	32.2703	3.0231	3.19451	5.00E-05	0.00353958
USP18	5:76375511-76406656	24.3466	7.80237	-1.64173	-2.15504	0.0004	0.0176519
PTHLH	5:82241899-82258858	7.122	52.6834	2.88699	2.17678	5.00E-05	0.00353958
A2M	5:101297569-101346611	30.5596	12.1044	-1.33609	-1.93713	0.00045	0.0191737
SCNN1A	5:104364799-104396610	1.67658	7.47594	2.15673	1.95964	0.00065	0.0256826
B4GALNT3	5:107901713-107934878	2.75651	25.3504	3.20109	2.88756	5.00E-05	0.00353958
BT.48025	5:111044939-111048603	164.868	47.3567	-1.79967	-2.38319	5.00E-05	0.00353958
TSPAN19	5:14721025-14748058	0.783894	7.35661	3.23031	2.57667	0.00095	0.0338908
BT.65129	5:27171924-27175575	7.01167	27.0353	1.94702	2.63561	0.00015	0.00832163
NR4A1	5:27977006-27992869	36.0213	10.6745	-1.75468	-2.01857	0.0004	0.0176519
C5H12orf68	5:32277007-32278883	0.617873	9.4535	3.93547	3.75312	5.00E-05	0.00353958
ERBB3	5:57539932-57560884	1.63906	5.85697	1.83728	2.17739	0.00065	0.0256826
BICD1	5:77857447-78101845	0.452357	3.23224	2.837	2.00494	5.00E-05	0.00353958
KIAA1467	5:97259780-97299577	6.31148	24.1306	1.93481	2.27037	0.00015	0.00832163
-	5:98916301-98934999	8.02107	92.2651	3.52392	2.50242	5.00E-05	0.00353958
LEPREL2	5:103972417-103985413	1.73962	7.87582	2.17866	2.0634	0.0004	0.0176519
NFAM1	5:113836090-113882202	88.1681	32.7753	-1.42765	-1.92673	0.00055	0.0226533
IL17REL	5:120992218-121010327	17.2015	4.67673	-1.87896	-1.92277	0.00095	0.0338908
ABCG2	6:37903128-38030583	30.2338	286.618	3.2449	2.88241	0.0001	0.00612252
BT.61466	6:46724497-46749777	12.0437	212.441	4.14071	3.76056	5.00E-05	0.00353958
IL-8	6:90559881-90563647	321.519	52.9126	-2.60322	-4.39343	5.00E-05	0.00353958
CXCL2	6:90695493-90697557	406.534	52.4289	-2.95494	-4.77006	5.00E-05	0.00353958
CXCL2	6:90811061-90824841	601.662	100.226	-2.5857	-3.29173	5.00E-05	0.00353958
DKFZP564O0823	6:91597121-91723390	50.8164	15.7492	-1.69002	-2.7142	0.0001	0.00612252
SHROOM3	6:93218439-93398475	1.6177	5.21808	1.68957	1.67317	0.00095	0.0338908
HERC5	6:37681999-37728536	13.9265	3.40233	-2.03324	-2.66782	5.00E-05	0.00353958
BTC	6:91430304-91480129	0.421054	3.01842	2.84172	2.39086	0.0003	0.0142573
HPSE	6:99846840-99892778	4.50498	16.4996	1.87284	2.02663	0.0007	0.0271066
KLHL8	6:103829607-103897375	49.8401	13.6469	-1.86874	-3.0448	5.00E-05	0.00353958
FGFBP1	6:115940218-115943190	37.2417	342.277	3.20017	3.804	5.00E-05	0.00353958
PROM1	6:115980288-116111860	2.92624	10.211	1.803	1.91263	0.0014	0.0455234
BT.44422	7:5233485-5249994	7.11095	1.89242	-1.90981	-2.22136	0.0003	0.0142573
BT.25655	7:8508032-8532514	2.0093	0.159261	-3.65723	-1.53919	0.0002	0.0105774
ENSBTAG000000C	7:11603167-11942226	4.83632	0.554586	-3.12443	-3.03116	5.00E-05	0.00353958
EMR3	7:12205984-12271032	54.953	17.7348	-1.63162	-2.42746	5.00E-05	0.00353958

RETN	7:17737515-17738903	178.592	58.1643	-1.61846	-4.58873	0.0006	0.0240566
C19ORF59	7:17745296-17749750	62.8324	6.5827	-3.25476	-3.15133	5.00E-05	0.00353958
BT.64160	7:19076009-19080237	19.5281	5.35229	-1.86733	-2.1957	0.0006	0.0240566
IRF1	7:23235248-23313486	60.3512	18.6439	-1.69468	-2.67272	5.00E-05	0.00353958
ABCA7	7:45164376-45182208	2.64263	0.870202	-1.60255	-1.92656	0.00125	0.0418473
REEP6	7:45515184-45520639	8.84319	32.6029	1.88236	1.64964	0.0014	0.0455234
EGR1	7:51438726-51442500	95.0378	24.5571	-1.95236	-2.46044	0.0004	0.0176519
HSH2D	7:7873254-7894542	20.5641	2.14509	-3.26102	-2.68509	0.0001	0.00612252
bta-mir-23a	7:12981969-12987444	226.343	0	-inf	nan	0.0007	0.0271066
IER2	7:13543663-13548050	94.3264	28.7442	-1.71439	-2.29484	0.00015	0.00832163
MUC16	7:14314679-14384939	1.14353	4.56965	1.99859	1.64695	0.00065	0.0256826
ICAM3	7:16087158-16094419	78.537	6.14744	-3.67531	-5.01711	5.00E-05	0.00353958
CDKN2D	7:16298107-16300588	26.8788	7.14383	-1.9117	-3.04277	0.0001	0.00612252
CD320	7:18183236-18187953	10.4699	67.9331	2.69787	4.14719	5.00E-05	0.00353958
EMR1,EMR4P	7:18709362-18834730	70.412	8.00555	-3.13675	-3.83606	5.00E-05	0.00353958
TNFSF9	7:19187446-19190363	19.4675	2.2379	-3.12085	-4.15245	5.00E-05	0.00353958
S1PR4	7:21889525-21890683	10.0332	0.612558	-4.0338	-4.72724	0.0011	0.0377556
BT.68694	7:27820354-27998816	2.5273	8.34027	1.7225	2.41749	0.00015	0.00832163
SBNO2	7:45208809-45251042	41.867	13.8654	-1.59433	-2.29531	0.0003	0.0142573
HBEGF	7:53216664-53227848	61.2998	21.3669	-1.5205	-2.22113	0.0001	0.00612252
PCDH1	7:54617560-54639999	1.1182	7.20234	2.68728	2.46502	5.00E-05	0.00353958
BT.44707	7:71158811-71250704	16.8219	1.41377	-3.57273	-3.72935	5.00E-05	0.00353958
C8ORF80	8:10584387-10632157	0.100347	2.17124	4.43545	2.92646	0.0003	0.0142573
PGM5	8:44682698-44892128	0.21759	1.45769	2.74401	2.48932	0.0015	0.0478592
FAM189A2	8:45739649-45816965	0.986455	8.66616	3.13507	2.47443	0.0001	0.00612252
UNC13B	8:59797488-60010848	3.68984	17.5914	2.25324	2.65183	5.00E-05	0.00353958
ENSBTAG0000001	8:60020193-60120722	2.03332	19.3596	3.25114	3.0174	5.00E-05	0.00353958
SLC39A14	8:70186538-70237645	3.12168	12.2061	1.96721	2.41056	0.00015	0.00832163
PTK2B	8:75713096-75850738	72.7928	31.2175	-1.22144	-1.75557	0.00145	0.0469248
FGD3	8:85810471-85852096	27.1366	8.98638	-1.59443	-2.21706	0.00015	0.00832163
SEMA4D	8:90136711-90262973	79.4297	25.8964	-1.61693	-2.75647	0.0001	0.00612252
PD-L1	8:39494264-39514666	50.641	20.4931	-1.30517	-1.82246	0.0012	0.0405731
EGR3	8:70503424-70506163	77.2516	8.48057	-3.18733	-3.35366	5.00E-05	0.00353958
AQP3	8:76525368-76531334	3.66275	31.3067	3.09547	4.01874	5.00E-05	0.00353958
CNTFR	8:77260171-77299493	4.75466	23.958	2.33309	2.06371	0.00025	0.0124469
SLC28A3	8:78871654-78944400	14.4442	81.8269	2.50208	2.58245	0.00085	0.0313946
C9ORF4	8:100371528-100399097	0	1.30168	inf	nan	5.00E-05	0.00353958
LPAR1	8:102051153-102217077	1.41223	7.28918	2.36779	2.4118	0.00015	0.00832163
ENSBTAG0000001	8:103906600-103911708	0.679698	12.7195	4.22601	4.43544	0.0015	0.0478592
MEGF9	8:111915499-111995270	16.1444	3.40427	-2.24562	-2.3879	5.00E-05	0.00353958
SLC22A16	9:40231966-40267950	2.12538	24.2125	3.50996	3.44819	5.00E-05	0.00353958

EPHA7	9:57622906-57830272	0.181471	2.76037	3.92705	3.02784	5.00E-05	0.00353958
BT.57034	9:64859551-64870020	2.02968	26.2799	3.69463	5.2049	5.00E-05	0.00353958
ENPP3	9:70588606-70673279	0.73113	7.1673	3.29323	3.37713	5.00E-05	0.00353958
TNFAIP3	9:76763099-76777138	49.361	14.7655	-1.74114	-2.29067	0.00015	0.00832163
STX11	9:82583794-82639192	30.515	6.56314	-2.21706	-2.42632	0.0001	0.00612252
-	9:96501900-96514343	1573.05	0	-inf	nan	5.00E-05	0.00353958
SYTL3	9:96514751-96597679	8.10016	0.881938	-3.1992	-2.21304	0.0011	0.0377556
SOD2	9:97399001-97404522	3641.68	684.545	-2.41139	-2.60619	5.00E-05	0.00353958
SLC22A1	9:97750745-97787561	5.83155	0.284786	-4.35593	-1.40731	5.00E-05	0.00353958
ENSBTAG0000001	9:64879263-64929935	1.95378	27.2936	3.80422	5.78595	5.00E-05	0.00353958
PTPRK	9:66968685-67594209	0.813182	4.70242	2.53175	2.65177	5.00E-05	0.00353958
BT.42521	9:71884620-71925947	119.353	11.3533	-3.39405	-4.16899	5.00E-05	0.00353958
IL20RA	9:75979323-76012398	0.305053	3.72609	3.61053	2.46433	0.00025	0.0124469
TAGAP	9:96806293-96815764	42.6427	12.5792	-1.76126	-2.54673	0.00015	0.00832163
-	GJ060129.1:7619-18461	13.4924	3.36943	-2.00158	-1.93569	0.00055	0.0226533
-	X:16960162-16960953	403.106	39.276	-3.35944	-25.4195	0.00025	0.0124469
BT.88817	X:39828309-39835611	14.2959	51.7776	1.85672	3.1623	0.0004	0.0176519
AVPR2	X:40036387-40038823	1.83369	17.3621	3.24312	2.96342	5.00E-05	0.00353958
ACE2	X:135148212-135198057	0.0805656	0.984658	3.61139	2.3945	0.0015	0.0478592
ASB11,PIGA	X:135418859-135465103	14.8845	81.5424	2.45374	3.18702	5.00E-05	0.00353958
CAPN6	X:64684213-64709791	14.6522	3.8368	-1.93314	-2.04219	0.0009	0.0327957
XK	X:111157578-111204611	1.92229	11.9906	2.64101	2.03183	0.00095	0.0338908
ENSBTAG0000004	X:124082650-124083682	0	0.64291	inf	nan	0.0001	0.00612252