

Supplementary Table S6. RNA-seq results from HBEC-shp53 and HBEC-shp53-PCDH7 cells

Genes highlighted in yellow were validated using quantitative real-time PCR.

Values represented are an average of 3 biological replicates for each sample.

Gene	Locus	Value_1	Value_2	Log2.fold_change	Test_stat	p_value	q_value	significant
PCDH7	4:30722029-31148423	7.53475	2781.94	8.52832	33.9062	5.00E-05	0.0014988	yes
ZNF548	19:57901217-57913919	0.0983983	1.65835	4.07497	2.92663	0.0012	0.0202526	yes
KRT81	12:52679696-52685299	0.122142	0.987582	3.01534	3.99331	0.0011	0.0190409	yes
TLR4	9:120466452-120479769	0.378874	1.60219	2.08026	2.57946	5.00E-05	0.0014988	yes
VARS2	6:30881981-30894236	1.66878	7.04403	2.07761	2.53241	5.00E-05	0.0014988	yes
NNT	5:43573286-43705668	0.141645	0.568259	2.00427	3.1431	5.00E-05	0.0014988	yes
BIN1	2:127805598-127864903	1.09911	4.31225	1.9721	2.35887	7.00E-04	0.0135861	yes
LYPD6	2:150186498-150330662	0.26449	0.875356	1.72666	4.01511	5.00E-05	0.0014988	yes
STX16	20:57226308-57290900	1.74808	5.66542	1.69642	1.78814	0.00125	0.0209598	yes
ZNF704	8:81540685-81787016	0.178413	0.574972	1.68827	6.13676	5.00E-05	0.0014988	yes
ZNF90	19:20188802-20231977	0.375693	1.14703	1.61028	5.40363	5.00E-05	0.0014988	yes
KRTAP2-3	17:39215491-39216344	1.71304	5.22221	1.6081	5.8071	5.00E-05	0.0014988	yes
FAM111B	11:58874657-58894888	6.11474	18.5679	1.60245	4.54296	5.00E-05	0.0014988	yes
SERTAD4	1:210404803-210416460	0.362841	1.07535	1.5674	2.75945	3.00E-04	0.0068401	yes
SEZ6L2	16:29882479-29910585	0.870902	2.54751	1.54851	3.29636	5.00E-05	0.0014988	yes
PDE3B	11:14665268-14893605	0.25173	0.735085	1.54603	4.99864	5.00E-05	0.0014988	yes
MACC1	7:20174277-20257013	0.334726	0.97436	1.54148	5.85992	5.00E-05	0.0014988	yes
TMEM238	19:55890611-55895627	1.55785	4.45631	1.51629	6.45581	0.00255	0.0361588	yes
E2F2	1:23832919-23857712	0.291828	0.771958	1.4034	3.86399	5.00E-05	0.0014988	yes
ALOX5AP	13:31287614-31338565	0.800572	2.06965	1.37028	2.31884	1.00E-04	0.0027579	yes
ZNF93	19:20011721-20046382	0.421771	1.0777	1.35343	3.86329	5.00E-05	0.0014988	yes
MAP2K6	17:67410837-67538470	0.251194	0.631951	1.33101	2.16726	0.0025	0.0356451	yes
ATP6V0E2	7:149564782-149577787	0.805043	2.00937	1.31961	4.00905	5.00E-05	0.0014988	yes
CDC25A	3:48198667-48229801	4.04379	9.86377	1.28643	2.93402	5.00E-05	0.0014988	yes
IL7R	5:35856976-35879705	0.282125	0.685174	1.28014	3.49001	5.00E-05	0.0014988	yes
GGT7	20:33432522-33460661	0.477103	1.1434	1.26096	3.12383	5.00E-05	0.0014988	yes
TM7SF2	11:64879340-64883707	1.68064	4.02116	1.2586	4.74475	5.00E-05	0.0014988	yes
RNF38	9:36336396-36401195	1.23667	2.95778	1.25805	1.92895	0.00195	0.029568	yes
C1orf51	1:150255228-150259501	0.374081	0.891205	1.25241	2.4228	3.00E-04	0.0068401	yes
C21orf2	21:45748826-45759285	0.708204	1.66646	1.23455	1.82071	0.0021	0.031143	yes

<i>TLR4</i>	9:120466452-120479769	0.880389	2.06215	1.22794	2.19134	0.00205	0.0305767	yes
<i>ZNF486</i>	19:20278022-20311299	0.730683	1.69845	1.2169	4.68747	5.00E-05	0.0014988	yes
<i>CPA4</i>	7:129932973-129964020	4.07365	9.46885	1.21687	5.9173	5.00E-05	0.0014988	yes
<i>AMH</i>	19:2249112-2252072	0.324499	0.750412	1.20947	2.4014	0.00115	0.0196005	yes
<i>NFYA</i>	6:41040706-41108573	1.49286	3.44647	1.20704	1.97788	0.0028	0.0389566	yes
<i>ID3</i>	1:23884420-23886285	9.99114	23.0562	1.20644	7.61511	5.00E-05	0.0014988	yes
<i>GALNT12</i>	9:101569980-101612363	0.48981	1.11799	1.19061	3.35991	5.00E-05	0.0014988	yes
<i>TPM2</i>	9:35681989-35690053	3.48949	7.9588	1.18954	3.28056	5.00E-05	0.0014988	yes
<i>PRICKLE1</i>	12:42852139-42983572	4.8026	10.9117	1.18398	5.91966	5.00E-05	0.0014988	yes
<i>RFC5</i>	12:118454505-118470044	7.30576	16.5691	1.18139	2.21451	1.00E-04	0.0027579	yes
<i>CCNE2</i>	8:95835533-95907482	5.57899	12.65	1.18106	3.06528	5.00E-05	0.0014988	yes
<i>TMEM198</i>	2:220408744-220415317	0.270274	0.607754	1.16906	2.02033	0.0013	0.0216115	yes
<i>TGM2</i>	20:36756862-36793700	58.2504	128.316	1.13936	4.88127	5.00E-05	0.0014988	yes
<i>SLFN11</i>	17:33677323-33700720	0.652573	1.43181	1.13363	4.07613	5.00E-05	0.0014988	yes
<i>GPRC5B</i>	16:19870292-19896151	0.329966	0.717988	1.12164	2.55263	0.00015	0.0038882	yes
<i>GIMAP8</i>	7:150147961-150176483	0.509133	1.10779	1.12157	3.36252	5.00E-05	0.0014988	yes
<i>DTL</i>	1:212113740-212278187	10.0444	21.8465	1.12101	4.84273	5.00E-05	0.0014988	yes
<i>CTGF</i>	6:132269315-132272518	23.2945	50.3827	1.11294	7.37323	5.00E-05	0.0014988	yes
<i>FOS</i>	14:75745480-75748937	16.4263	35.1146	1.09606	6.34835	5.00E-05	0.0014988	yes
<i>FOXJ3</i>	1:42642209-42801548	3.37678	7.20272	1.09289	2.54441	5.00E-05	0.0014988	yes
<i>C10orf10</i>	10:45455218-45490172	1.32597	2.82334	1.09035	2.51523	5.00E-05	0.0014988	yes
<i>REPIN1</i>	7:150065878-150071133	3.0168	6.40419	1.086	5.20719	5.00E-05	0.0014988	yes
<i>KAT6B</i>	10:76586170-76792380	1.05207	2.17185	1.0457	2.24855	6.00E-04	0.0120833	yes
<i>TRIM24</i>	7:138145078-138270333	1.42833	2.94342	1.04316	2.02067	0.0029	0.0399896	yes
<i>CABLES1</i>	18:20714527-20840434	0.293006	0.60338	1.04214	2.05211	0.001	0.0178882	yes
<i>EXO1</i>	1:242011492-242053241	6.53874	13.384	1.03343	4.57733	5.00E-05	0.0014988	yes
<i>BCL2</i>	18:60790578-60986613	0.29406	0.6006	1.03029	2.25195	8.00E-04	0.0151114	yes
<i>E2F8</i>	11:19245609-19263202	1.68674	3.43759	1.02716	4.7623	5.00E-05	0.0014988	yes
<i>RAB3A</i>	19:18307610-18314874	0.804611	1.63371	1.02179	2.74696	0.00025	0.0059445	yes
<i>CA9</i>	9:35673914-35681156	7.91221	16.0367	1.01922	5.48022	5.00E-05	0.0014988	yes
<i>TFF1</i>	21:43782390-43786644	3.51624	7.12681	1.01922	4.02903	0.00025	0.0059445	yes
<i>ZNF599</i>	19:35248978-35264134	0.358159	0.725222	1.01782	2.6897	0.00015	0.0038882	yes
<i>SPRY1</i>	4:124317949-124324915	0.725167	1.4581	1.0077	2.73056	5.00E-05	0.0014988	yes
<i>SMO</i>	7:128828712-128853386	0.372527	0.748685	1.00701	2.73261	5.00E-05	0.0014988	yes

<i>KIAA1244</i>	6:138483052-138665800	0.332074	0.665192	1.00227	4.17432	5.00E-05	0.0014988	yes
<i>FBXO5</i>	6:153291657-153304740	10.936	21.8868	1.00097	4.31317	5.00E-05	0.0014988	yes
<i>CAMK4</i>	5:110559946-110820749	1.38556	2.74155	0.98452	3.90774	5.00E-05	0.0014988	yes
<i>CXXC5</i>	5:139028300-139062680	1.64197	3.21557	0.969647	3.52141	5.00E-05	0.0014988	yes
<i>E2F1</i>	20:32263291-32274210	7.86825	15.3545	0.964544	4.75501	5.00E-05	0.0014988	yes
<i>UNG</i>	12:109535398-109548798	16.7549	32.6579	0.962852	3.81362	5.00E-05	0.0014988	yes
<i>PTGER4</i>	5:40680031-40693837	5.23751	10.1151	0.949562	5.65636	5.00E-05	0.0014988	yes
<i>EFHC1</i>	6:52284993-52360583	0.896903	1.72795	0.946037	2.50269	1.00E-04	0.0027579	yes
<i>SDSL</i>	12:113860215-113876081	0.955733	1.841	0.945814	2.52797	2.00E-04	0.004937	yes
<i>NEBL</i>	10:21068901-21463852	0.420242	0.805105	0.937957	2.72009	0.00015	0.0038882	yes
<i>MCAM</i>	11:119179233-119187840	0.83316	1.58959	0.93199	3.33196	5.00E-05	0.0014988	yes
<i>ENPP1</i>	6:132129155-132216295	0.416666	0.794261	0.930722	3.52146	5.00E-05	0.0014988	yes
<i>KRT23</i>	17:39078951-39093836	0.731101	1.39178	0.928793	2.61925	5.00E-05	0.0014988	yes
<i>SEMA4D</i>	9:91975705-92094611	0.603241	1.14771	0.927947	2.55573	0.00015	0.0038882	yes
<i>FAM13B</i>	5:137225124-137373321	2.9334	5.54591	0.91885	2.05795	0.00185	0.0285536	yes
<i>CHSY3</i>	5:129240522-129522327	0.730245	1.37831	0.916442	3.21184	5.00E-05	0.0014988	yes
<i>FZD1</i>	7:90893782-90898132	1.17642	2.21888	0.915431	4.44712	5.00E-05	0.0014988	yes
<i>ZNF367</i>	9:99148222-99180669	4.34046	8.17787	0.913877	5.67324	5.00E-05	0.0014988	yes
<i>NR2F1</i>	5:92919042-92929788	0.449842	0.846025	0.91128	2.8272	0.00065	0.0128896	yes
<i>SPPL2B</i>	19:2328628-2355100	1.91132	3.59156	0.910046	2.12192	8.00E-04	0.0151114	yes
<i>CTSH</i>	15:79214091-79237420	9.18982	17.2685	0.910037	5.16752	5.00E-05	0.0014988	yes
<i>STAC</i>	3:36422096-36589496	1.43847	2.70277	0.909903	3.80055	5.00E-05	0.0014988	yes
<i>ELAC1</i>	18:48494386-48514490	1.3723	2.55629	0.897459	3.21626	5.00E-05	0.0014988	yes
<i>EGLN3</i>	14:34393420-34420284	2.4714	4.59708	0.895392	4.40363	5.00E-05	0.0014988	yes
<i>PMP22</i>	17:15133095-15168644	0.866476	1.6083	0.892305	2.09749	1.00E-04	0.0027579	yes
<i>SLC12A7</i>	5:1050488-1112172	0.801457	1.4865	0.891226	3.57142	5.00E-05	0.0014988	yes
<i>PLAGL1</i>	6:144261436-144385735	2.25846	4.18037	0.888291	2.97539	5.00E-05	0.0014988	yes
<i>BTBD11</i>	12:107712196-108053419	1.32369	2.44049	0.882604	2.17301	0.00105	0.0185265	yes
<i>C16orf59</i>	16:2510114-2514964	3.61288	6.65275	0.880801	4.34915	5.00E-05	0.0014988	yes
<i>ZNF718</i>	4:124419-156491	2.01882	3.69777	0.873142	4.00268	5.00E-05	0.0014988	yes
<i>TNFRSF11A</i>	18:59992519-60054943	0.359928	0.65897	0.872507	2.4376	5.00E-05	0.0014988	yes
<i>SIVA1</i>	14:105219469-105225996	41.5822	75.8623	0.867419	4.58066	5.00E-05	0.0014988	yes
<i>ADM</i>	11:10326641-10328923	15.0937	27.5224	0.866662	5.48112	5.00E-05	0.0014988	yes
<i>ZNF782</i>	9:99579272-99616389	0.555587	1.00723	0.858305	2.74797	5.00E-05	0.0014988	yes

<i>SCARB1</i>	12:125262173-125348519	23.2461	42.1004	0.856846	2.5062	5.00E-05	0.0014988	yes
<i>APLN</i>	X:128779235-128788933	0.47161	0.852998	0.85495	2.28884	5.00E-05	0.0014988	yes
<i>TMOD2</i>	15:52043757-52108560	0.999955	1.80289	0.850376	4.26302	5.00E-05	0.0014988	yes
<i>ITGB8</i>	7:20370724-20455382	0.582837	1.04962	0.848697	4.04187	5.00E-05	0.0014988	yes
<i>ATAD2</i>	8:124332089-124408705	16.5584	29.8089	0.848179	4.97288	5.00E-05	0.0014988	yes
<i>ORC1</i>	1:52838500-52870143	4.59378	8.26112	0.846655	2.87379	5.00E-05	0.0014988	yes
<i>SLC6A8</i>	X:152953751-152962048	7.2088	12.8977	0.839279	1.93935	5.00E-04	0.0104629	yes
<i>EYA2</i>	20:45523262-45817492	2.50075	4.46916	0.837642	3.56548	5.00E-05	0.0014988	yes
<i>GINS2</i>	16:85711279-85722588	21.1823	37.8469	0.837319	4.70429	5.00E-05	0.0014988	yes
<i>C4orf48</i>	4:2043719-2045697	16.4939	29.4642	0.837034	2.93421	0.00025	0.0059445	yes
<i>TCF19</i>	6:31126302-31131992	11.8823	21.1648	0.832849	4.06399	5.00E-05	0.0014988	yes
<i>FAM111B</i>	11:58874657-58894888	7.52447	13.388	0.831282	2.52581	2.00E-04	0.004937	yes
<i>WDR76</i>	15:44119111-44160617	6.96822	12.3927	0.830629	4.56204	5.00E-05	0.0014988	yes
<i>RAB27B</i>	18:52495707-52562747	2.04949	3.63039	0.824857	4.80154	5.00E-05	0.0014988	yes
<i>SDC2</i>	8:97505881-97624037	0.553613	0.973333	0.814055	2.78528	2.00E-04	0.004937	yes
<i>ASF1B</i>	19:14230320-14247440	16.1405	28.3463	0.812478	4.61859	5.00E-05	0.0014988	yes
<i>ANGPTL4</i>	19:8429010-8439257	21.9923	38.6231	0.812469	2.98847	5.00E-05	0.0014988	yes
<i>TMEM97</i>	17:26646120-26662515	14.4518	25.3446	0.810433	3.79386	5.00E-05	0.0014988	yes
<i>MPP2</i>	17:41952726-41985113	0.798515	1.3971	0.807045	2.92882	5.00E-05	0.0014988	yes
<i>CDC6</i>	17:38444145-38459413	20.9718	36.65	0.805364	4.31042	5.00E-05	0.0014988	yes
<i>CHCHD10</i>	22:24105207-24110141	16.3966	28.6174	0.8035	4.17094	5.00E-05	0.0014988	yes
<i>SOX2</i>	3:181328150-181459009	0.831177	1.44942	0.802248	2.45804	2.00E-04	0.004937	yes
<i>TGFB2</i>	1:218517537-218617961	3.85182	6.68818	0.796073	3.54607	5.00E-05	0.0014988	yes
<i>HS3ST2</i>	16:22825859-22927659	4.35433	7.5516	0.79433	4.38397	5.00E-05	0.0014988	yes
<i>SLC25A10</i>	17:79679265-79688046	6.67051	11.566	0.794016	2.86252	5.00E-05	0.0014988	yes
<i>RAD54B</i>	8:95384187-95487343	3.72955	6.43868	0.787763	2.87121	5.00E-05	0.0014988	yes
<i>CTXN1</i>	19:7989380-7991051	3.22897	5.57031	0.786683	3.75017	5.00E-05	0.0014988	yes
<i>CDT1</i>	16:88870185-88875666	8.28369	14.2796	0.785614	3.90523	5.00E-05	0.0014988	yes
<i>PCSK1N</i>	X:48689505-48693960	3.7469	6.43942	0.781234	3.94927	5.00E-05	0.0014988	yes
<i>PODXL2</i>	3:127348038-127391652	0.988697	1.6973	0.779643	2.49155	5.00E-05	0.0014988	yes
<i>C1orf233</i>	1:1533387-1535476	3.57405	6.1271	0.777643	4.19793	5.00E-05	0.0014988	yes
<i>C11orf75</i>	11:93211637-93276546	1.73838	2.97576	0.77552	2.50513	7.00E-04	0.0135861	yes
<i>CCNE1</i>	19:30302900-30315215	3.57287	6.11566	0.775423	3.93071	5.00E-05	0.0014988	yes
<i>CLSPN</i>	1:36197712-36235551	4.933	8.43528	0.77397	3.75713	5.00E-05	0.0014988	yes

<i>CA11</i>	19:49141271-49185502	1.22521	2.09407	0.77328	2.0895	0.00035	0.0077304	yes
<i>SFRP1</i>	8:41119475-41166990	20.7411	35.3095	0.767564	3.93812	5.00E-05	0.0014988	yes
<i>TMSB15B</i>	X:103217199-103220563	2.42812	4.12753	0.765441	2.54346	0.00205	0.0305767	yes
<i>KRT15</i>	17:39669996-39675270	12.5557	21.2794	0.761117	3.38752	5.00E-05	0.0014988	yes
<i>TMEM201</i>	1:9648931-9674935	1.79512	3.03554	0.757876	1.88022	0.0014	0.0230273	yes
<i>ZDHHC23</i>	3:113666747-113681829	0.744168	1.25522	0.754239	2.61213	5.00E-05	0.0014988	yes
<i>RFC3</i>	13:34392205-34540695	13.3228	22.4474	0.752646	3.2386	5.00E-05	0.0014988	yes
<i>ADAMTS1</i>	21:28208605-28217728	9.87181	16.6096	0.750631	3.97846	5.00E-05	0.0014988	yes
<i>UBR7</i>	14:93669236-93695561	7.5881	12.7606	0.749889	2.98963	5.00E-05	0.0014988	yes
<i>HELLS</i>	10:96305573-96361856	11.1365	18.6968	0.747491	4.53611	5.00E-05	0.0014988	yes
<i>COL8A1</i>	3:99357439-99515577	3.99742	6.7057	0.746319	3.17182	5.00E-05	0.0014988	yes
<i>ZNF703</i>	8:37553300-37556396	3.2975	5.51325	0.741529	5.07023	5.00E-05	0.0014988	yes
<i>CREG1</i>	1:167510249-167523056	21.5635	35.9722	0.738289	4.93608	5.00E-05	0.0014988	yes
<i>PIAS2</i>	18:44390021-44497495	2.94538	4.90994	0.737254	2.97689	5.00E-05	0.0014988	yes
<i>ZNF22</i>	10:45493145-45500777	3.20622	5.32054	0.7307	3.51117	5.00E-05	0.0014988	yes
<i>COL5A1</i>	9:137533651-137736689	0.347874	0.576707	0.729275	2.52632	5.00E-05	0.0014988	yes
<i>SNCG</i>	10:88718287-88723017	5.67124	9.39156	0.727701	3.28922	5.00E-05	0.0014988	yes
<i>DHRS3</i>	1:12627938-12677820	5.47134	9.05735	0.727196	3.88553	5.00E-05	0.0014988	yes
<i>THEM6</i>	8:143808620-143818350	3.60466	5.96398	0.726414	3.62023	5.00E-05	0.0014988	yes
<i>ATP8B1</i>	18:55297533-55470327	2.96609	4.90379	0.725332	3.41807	5.00E-05	0.0014988	yes
<i>GIT2</i>	12:110367606-110434194	3.57142	5.90407	0.725214	1.84385	0.0016	0.025428	yes
<i>SKP2</i>	5:36152144-36184143	8.81767	14.5051	0.718092	2.72281	5.00E-05	0.0014988	yes
<i>LIF</i>	22:30636435-30642840	2.31744	3.80905	0.716899	2.9258	5.00E-05	0.0014988	yes
<i>CCND3</i>	6:41902670-42016610	12.4655	20.4878	0.716819	2.27242	0.00015	0.0038882	yes
<i>RMI1</i>	9:86595636-86618989	5.04547	8.26941	0.712796	4.24314	5.00E-05	0.0014988	yes
<i>ZNF443</i>	19:12540519-12551926	0.569263	0.932606	0.712171	2.13306	0.0028	0.0389566	yes
<i>MCM6</i>	2:136597195-136634047	23.864	39.0651	0.711046	4.01449	5.00E-05	0.0014988	yes
<i>CBFB</i>	16:67063049-67134961	8.40432	13.735	0.708651	2.06256	0.00115	0.0196005	yes
<i>RGL1</i>	1:183605207-183897666	0.690498	1.12708	0.706881	2.60659	5.00E-05	0.0014988	yes
<i>SPAG4</i>	20:34203808-34208965	3.08083	5.0256	0.705977	3.22657	5.00E-05	0.0014988	yes
<i>PGAM5</i>	12:133287392-133299323	7.95846	12.9558	0.703036	1.65927	0.00385	0.0490393	yes
<i>GLCC1</i>	7:8008373-8128710	1.01781	1.65503	0.701381	3.21586	5.00E-05	0.0014988	yes
<i>FAM82A1</i>	2:38152461-38294285	1.74414	2.83477	0.700711	2.65848	0.00025	0.0059445	yes
<i>MT1E</i>	16:56659584-56661024	298.017	483.813	0.699055	6.63113	5.00E-05	0.0014988	yes

<i>SAA1</i>	11:18287807-18291524	11.0177	17.8768	0.698265	2.40818	5.00E-05	0.0014988	yes
<i>INSR</i>	19:7112265-7294011	0.468322	0.75881	0.696238	2.68711	5.00E-05	0.0014988	yes
<i>RASSF4</i>	10:45455218-45490172	1.45926	2.35848	0.692618	2.07815	7.00E-04	0.0135861	yes
<i>HES1</i>	3:193853930-193856401	58.7372	94.7671	0.690111	5.23073	5.00E-05	0.0014988	yes
<i>BRIP1</i>	17:59756546-59940920	3.31211	5.3409	0.689332	3.80719	5.00E-05	0.0014988	yes
<i>CYP2U1</i>	4:108852716-108874613	0.638555	1.0289	0.688225	2.52763	1.00E-04	0.0027579	yes
<i>AGR2</i>	7:16832263-16844738	8.02402	12.9171	0.686882	3.50001	5.00E-05	0.0014988	yes
<i>ALG10</i>	12:34175215-34181237	1.10908	1.78167	0.683869	2.8626	5.00E-05	0.0014988	yes
<i>DISP1</i>	1:222988430-223179337	0.59626	0.957649	0.683556	2.45666	5.00E-05	0.0014988	yes
<i>MCM3</i>	6:52128811-52149679	47.6877	76.5113	0.682056	3.25365	5.00E-05	0.0014988	yes
<i>ZNF100</i>	19:21906842-21950430	1.15823	1.85712	0.681137	3.28956	5.00E-05	0.0014988	yes
<i>NPDC1</i>	9:139933908-139940676	11.9547	19.1672	0.681067	4.25676	5.00E-05	0.0014988	yes
<i>LRR1</i>	14:50065414-50081390	9.14226	14.6336	0.678665	2.90023	5.00E-05	0.0014988	yes
<i>RBM14</i>	11:66384052-66445275	8.67878	13.8913	0.678613	2.11409	3.00E-04	0.0068401	yes
<i>SLC43A3</i>	11:57174426-57195053	7.17245	11.4541	0.675323	3.33176	5.00E-05	0.0014988	yes
<i>HSPA8</i>	11:122928199-122932901	830.592	1325.84	0.674698	3.20529	5.00E-05	0.0014988	yes
<i>USP37</i>	2:219314973-219433084	3.03839	4.84908	0.674405	3.48919	5.00E-05	0.0014988	yes
<i>MNS1</i>	15:56657643-56757335	3.76883	6.00435	0.671893	3.21594	5.00E-05	0.0014988	yes
<i>DPF3</i>	14:73136659-73360809	0.864619	1.37594	0.670282	2.06878	9.00E-04	0.0166758	yes
<i>AK4</i>	1:65613231-65697828	9.89482	15.7426	0.66993	3.72031	5.00E-05	0.0014988	yes
<i>SPATA6</i>	1:48761043-48937876	0.484646	0.770621	0.669089	2.41867	0.001	0.0178882	yes
<i>PCLO</i>	7:82383320-82792197	0.369827	0.587995	0.668951	3.06021	5.00E-05	0.0014988	yes
<i>TMEM180</i>	10:104221169-104236802	0.874195	1.38923	0.668254	2.30958	4.00E-04	0.0086622	yes
<i>ICA1</i>	7:8152813-8302451	1.59683	2.53759	0.668245	2.37828	0.00055	0.0112366	yes
<i>VASH1</i>	14:77228234-77249363	0.533072	0.846865	0.667802	2.24171	5.00E-05	0.0014988	yes
<i>RBL1</i>	20:35626177-35724410	6.26067	9.9407	0.667029	2.25113	3.00E-04	0.0068401	yes
<i>CACHD1</i>	1:64936475-65158741	1.15152	1.8262	0.665305	2.79076	5.00E-05	0.0014988	yes
<i>PRRT3</i>	3:9987225-9996471	0.526276	0.834531	0.665147	2.04115	0.0011	0.0190409	yes
<i>IER5L</i>	9:131937830-131940540	2.96253	4.69135	0.663174	3.82786	5.00E-05	0.0014988	yes
<i>RDH10</i>	8:74206836-74237520	2.2655	3.58734	0.663086	3.56462	5.00E-05	0.0014988	yes
<i>TFRC</i>	3:195776154-195809032	23.3484	36.9181	0.661008	3.71037	5.00E-05	0.0014988	yes
<i>PCNA</i>	20:5095598-5107268	184.775	291.691	0.658673	4.19559	5.00E-05	0.0014988	yes
<i>ATAD5</i>	17:29159019-29222295	2.12654	3.35625	0.658342	3.97656	5.00E-05	0.0014988	yes
<i>TICRR</i>	15:90118817-90198682	3.35466	5.28061	0.654537	3.21885	5.00E-05	0.0014988	yes

<i>C9orf40</i>	9:77561498-77567802	3.17016	4.98894	0.654179	3.53214	5.00E-05	0.0014988	yes
<i>CDCA7</i>	2:174219560-174233718	19.2463	30.2487	0.652294	2.75872	5.00E-05	0.0014988	yes
<i>POLE2</i>	14:50110269-50155098	6.15106	9.64361	0.648738	2.30624	2.00E-04	0.004937	yes
<i>BARD1</i>	2:215593261-215674428	4.15537	6.50922	0.647507	3.84267	5.00E-05	0.0014988	yes
<i>FOXQ1</i>	6:1312674-1314993	1.30164	2.03341	0.643572	2.95486	0.0011	0.0190409	yes
<i>DPYSL2</i>	8:26371708-26515693	4.9564	7.74281	0.643564	1.8525	0.00105	0.0185265	yes
<i>MMS22L</i>	6:97590036-97731052	2.81135	4.39052	0.643131	3.40405	5.00E-05	0.0014988	yes
<i>SLC2A8</i>	9:130159464-130170161	2.54018	3.96179	0.641224	2.87604	5.00E-05	0.0014988	yes
<i>TDRD7</i>	9:100174301-100258407	1.19223	1.8589	0.640784	2.75481	5.00E-05	0.0014988	yes
<i>TMEM201</i>	1:9648931-9674935	2.93481	4.57426	0.64027	2.15298	0.00055	0.0112366	yes
<i>MAGEH1</i>	X:55478537-55479999	2.01643	3.14148	0.639639	2.56542	0.00045	0.0095063	yes
<i>TMEM194A</i>	12:57449425-57472574	7.62905	11.8472	0.634975	2.75598	5.00E-05	0.0014988	yes
<i>MCM2</i>	3:127317252-127341279	26.4298	40.9862	0.632975	3.35671	5.00E-05	0.0014988	yes
<i>KHDRBS3</i>	8:136469715-136659849	2.6764	4.14204	0.630048	2.95366	5.00E-05	0.0014988	yes
<i>TMEM45A</i>	3:100211462-100296285	10.9188	16.8916	0.629502	3.61079	5.00E-05	0.0014988	yes
<i>SLC25A19</i>	17:73267379-73285530	4.02634	6.22708	0.629086	2.26333	5.00E-05	0.0014988	yes
<i>DNA2</i>	10:70173820-70231730	3.84504	5.94261	0.628099	3.47885	5.00E-05	0.0014988	yes
<i>ACPL2</i>	3:140950681-141013486	0.952139	1.46984	0.626416	2.2118	0.00065	0.0128896	yes
<i>SLFN13</i>	17:33762114-33775856	0.382679	0.590262	0.62522	2.22052	0.00015	0.0038882	yes
<i>RNASET2</i>	6:167343003-167370077	5.6221	8.66582	0.624228	3.47193	5.00E-05	0.0014988	yes
<i>MCAT</i>	22:43528211-43539403	5.21345	8.02417	0.622112	2.4654	5.00E-05	0.0014988	yes
<i>GMNN</i>	6:24775158-24786327	33.2108	51.0561	0.62043	3.39549	5.00E-05	0.0014988	yes
<i>SLAMF7</i>	1:160709076-160724601	0.6072	0.933177	0.61998	1.68567	0.00345	0.0452052	yes
<i>AP1S2</i>	X:15843928-15873100	5.13054	7.88158	0.619373	3.67948	5.00E-05	0.0014988	yes
<i>KBTBD8</i>	3:67048726-67061634	0.586523	0.900799	0.619017	2.31672	0.00105	0.0185265	yes
<i>CA2</i>	8:86376130-86393721	8.16216	12.5222	0.617471	3.62794	5.00E-05	0.0014988	yes
<i>GPC4</i>	X:132435063-132549205	0.697692	1.06992	0.616846	2.04216	0.00065	0.0128896	yes
<i>SAMHD1</i>	20:35504569-35580246	6.95555	10.6478	0.614317	3.09192	5.00E-05	0.0014988	yes
<i>PLOD2</i>	3:145787226-145879282	65.3482	100.033	0.614258	2.42406	5.00E-05	0.0014988	yes
<i>GSTCD</i>	4:106629940-106768882	5.08448	7.76313	0.610539	2.23594	0.00015	0.0038882	yes
<i>ZNF180</i>	19:44979855-45004574	2.69308	4.10922	0.60961	3.09132	5.00E-05	0.0014988	yes
<i>CHAF1B</i>	21:37757688-37789125	12.8373	19.5435	0.60635	3.42545	5.00E-05	0.0014988	yes
<i>MARVELD3</i>	16:71660055-71675868	2.89365	4.40084	0.604889	1.77333	0.00165	0.0260097	yes
<i>PIGQ</i>	16:619967-634136	5.83684	8.8649	0.602917	2.08543	7.00E-04	0.0135861	yes

<i>KRT75</i>	12:52817853-52828110	2.24555	3.4049	0.600546	2.35438	5.00E-05	0.0014988	yes
<i>SLIT2</i>	4:20255234-20620788	2.09485	3.17637	0.600529	3.00848	5.00E-05	0.0014988	yes
<i>MCM5</i>	22:35796115-35820495	33.2948	50.4549	0.5997	3.21771	5.00E-05	0.0014988	yes
<i>GLI3</i>	7:42000546-42276618	1.37613	2.08508	0.599489	3.2034	5.00E-05	0.0014988	yes
<i>METRN</i>	16:765172-767480	21.2818	32.1985	0.597374	4.96106	5.00E-05	0.0014988	yes
<i>LIMCH1</i>	4:41362803-41702061	3.80909	5.75927	0.59644	2.63753	5.00E-05	0.0014988	yes
<i>CYGB</i>	17:74523429-74541458	10.8757	16.4246	0.594756	2.81895	5.00E-05	0.0014988	yes
<i>SGK223</i>	8:8175257-8239257	5.16098	7.79139	0.594235	3.1767	5.00E-05	0.0014988	yes
<i>SCML1</i>	X:17755591-17773105	5.11852	7.72659	0.594105	2.75164	2.00E-04	0.004937	yes
<i>DSEL</i>	18:65173818-65566856	1.18163	1.78291	0.593452	3.1074	5.00E-05	0.0014988	yes
<i>PRIM1</i>	12:57125363-57146146	19.4481	29.33	0.59275	3.81091	5.00E-05	0.0014988	yes
<i>EGLN1</i>	1:231499496-231560790	7.11699	10.6969	0.587848	3.75704	5.00E-05	0.0014988	yes
<i>POLA1</i>	X:24712063-25015103	6.63079	9.95559	0.586327	2.97402	5.00E-05	0.0014988	yes
<i>SVIP</i>	11:22843597-22851382	10.0241	15.0338	0.584736	3.83552	5.00E-05	0.0014988	yes
<i>ERVMER34-1</i>	4:53609683-53617807	2.77086	4.14709	0.581767	2.82342	5.00E-05	0.0014988	yes
<i>BLM</i>	15:91260578-91358686	5.66732	8.48155	0.581661	3.28247	5.00E-05	0.0014988	yes
<i>CLN6</i>	15:68499329-68522080	10.5916	15.8389	0.580557	2.90132	5.00E-05	0.0014988	yes
<i>CHAF1A</i>	19:4402659-4443394	16.6072	24.8324	0.580417	2.94967	5.00E-05	0.0014988	yes
<i>MME</i>	3:154797435-154901518	3.60768	5.39007	0.579233	3.06552	5.00E-05	0.0014988	yes
<i>CPVL</i>	7:29019582-29186153	2.05405	3.0655	0.577648	2.00212	0.00035	0.0077304	yes
<i>CDKN2A</i>	9:21967137-21994490	80.1267	119.385	0.575269	1.83581	0.0029	0.0399896	yes
<i>TSEN54</i>	17:73512608-73520820	5.97905	8.90211	0.574231	2.95005	5.00E-05	0.0014988	yes
<i>FHOD3</i>	18:33877701-34360018	6.18409	9.187	0.571031	2.86538	5.00E-05	0.0014988	yes
<i>FANCB</i>	X:14861528-14891184	2.17733	3.23359	0.570575	2.68506	1.00E-04	0.0027579	yes
<i>PLXDC2</i>	10:20105371-20569115	1.87932	2.78787	0.568955	2.47387	5.00E-05	0.0014988	yes
<i>CBX6</i>	22:39260242-39268258	3.13637	4.65218	0.568811	2.84181	5.00E-05	0.0014988	yes
<i>BACE2</i>	21:42539727-42648524	19.3119	28.6394	0.568514	2.67431	5.00E-05	0.0014988	yes
<i>PPAP2B</i>	1:56960418-57045257	0.736888	1.09263	0.568291	1.90232	0.00305	0.0418351	yes
<i>HSPA1B</i>	6:31795511-31798031	10.8361	16.0427	0.566068	3.042	5.00E-05	0.0014988	yes
<i>TSPAN12</i>	7:120427373-120498177	1.33362	1.97188	0.564224	2.26163	0.0011	0.0190409	yes
<i>EPCAM</i>	2:47596286-47614167	44.4656	65.6728	0.562606	3.22657	5.00E-05	0.0014988	yes
<i>DUSP10</i>	1:221874763-221915516	4.30613	6.35958	0.562539	2.63712	1.00E-04	0.0027579	yes
<i>ZDHHC21</i>	9:14611068-14693480	1.50407	2.21992	0.561633	3.43069	5.00E-05	0.0014988	yes
<i>FANCM</i>	14:45605135-45670093	1.90378	2.80715	0.560236	3.36139	5.00E-05	0.0014988	yes

<i>CENPM</i>	22:42334740-42343148	10.4052	15.3396	0.559962	2.50626	5.00E-05	0.0014988	yes
<i>C9orf142</i>	9:139886869-139888428	20.0553	29.5483	0.559094	3.7443	5.00E-05	0.0014988	yes
<i>MAPK8IP1</i>	11:45907046-45928016	2.23057	3.27786	0.555339	2.68561	5.00E-05	0.0014988	yes
<i>F12</i>	5:176829138-176836577	3.01603	4.42598	0.553345	2.84981	5.00E-05	0.0014988	yes
<i>PIGX</i>	3:196439244-196462878	6.07877	8.92034	0.553318	2.32032	4.00E-04	0.0086622	yes
<i>BRCA2</i>	13:32889616-32973809	1.88667	2.76641	0.552175	3.27815	5.00E-05	0.0014988	yes
<i>UHRF1</i>	19:4909509-4962165	29.152	42.7428	0.552084	2.73939	5.00E-05	0.0014988	yes
<i>TONSL</i>	8:145654162-145669812	6.12753	8.98151	0.551652	2.86066	5.00E-05	0.0014988	yes
<i>MCM4</i>	8:48872762-48890720	45.6786	66.9453	0.551465	3.0186	5.00E-05	0.0014988	yes
<i>ABHD15</i>	17:27887678-27894042	1.65581	2.42558	0.550798	2.5798	2.00E-04	0.004937	yes
<i>PLK2</i>	5:57749808-57755966	16.3451	23.9421	0.550692	2.82248	5.00E-05	0.0014988	yes
<i>ZNF124</i>	1:247285276-247335318	2.09256	3.05619	0.546465	1.88835	0.0024	0.0346006	yes
<i>IFI30</i>	19:18284578-18288927	9.72689	14.1954	0.54537	3.08187	5.00E-05	0.0014988	yes
<i>C4orf46</i>	4:159587830-159593202	5.8681	8.56198	0.545051	2.99421	5.00E-05	0.0014988	yes
<i>MIS18A</i>	21:33640529-33651376	14.0203	20.4447	0.544216	3.32942	5.00E-05	0.0014988	yes
<i>B3GNT1</i>	11:66112842-66115161	3.68099	5.36475	0.543416	2.80033	5.00E-05	0.0014988	yes
<i>JPH1</i>	8:75146938-75233562	2.1144	3.07984	0.542607	2.99888	5.00E-05	0.0014988	yes
<i>HMGCS1</i>	5:43287571-43313614	137.31	199.86	0.541559	2.89675	5.00E-05	0.0014988	yes
<i>CHST2</i>	3:142838617-142842856	1.06356	1.54617	0.539798	2.26094	4.00E-04	0.0086622	yes
<i>GSG2</i>	17:3617918-3704537	4.04247	5.87463	0.539262	1.92496	0.00135	0.0222521	yes
<i>FZD3</i>	8:28351721-28431785	1.12897	1.63962	0.538355	3.10199	5.00E-05	0.0014988	yes
<i>XRCC2</i>	7:152343582-152373250	4.28533	6.21997	0.537503	3.17147	5.00E-05	0.0014988	yes
<i>DHCR24</i>	1:55315299-55352921	104.118	151.014	0.53647	2.77684	5.00E-05	0.0014988	yes
<i>PIGM</i>	1:159997461-160001783	2.88899	4.18923	0.536116	3.00286	5.00E-05	0.0014988	yes
<i>D2HGDH</i>	2:242674029-242708231	1.8582	2.69438	0.536053	2.25271	0.00045	0.0095063	yes
<i>MSH6</i>	2:48010220-48132932	26.5626	38.4337	0.532977	2.11775	1.00E-04	0.0027579	yes
<i>ITGBL1</i>	13:102104965-102368794	1.63338	2.36316	0.532858	2.02617	0.00035	0.0077304	yes
<i>PDXP</i>	22:38054736-38062939	6.88238	9.95436	0.532421	2.87979	5.00E-05	0.0014988	yes
<i>ADCK2</i>	7:140372952-140394908	4.77408	6.90485	0.532388	2.69907	5.00E-05	0.0014988	yes
<i>CDH13</i>	16:82660398-83830215	8.61965	12.462	0.531839	1.95126	0.0016	0.025428	yes
<i>PHLPP1</i>	18:60382671-60647676	2.06074	2.9773	0.53084	2.97729	5.00E-05	0.0014988	yes
<i>CCDC115</i>	2:131095815-131099922	5.86979	8.4776	0.530346	2.80596	5.00E-05	0.0014988	yes
<i>CBX2</i>	17:77751976-77761449	1.68256	2.42994	0.530264	2.17546	5.00E-05	0.0014988	yes
<i>THOC3</i>	5:175386533-175395545	3.74854	5.41267	0.53001	2.47493	5.00E-05	0.0014988	yes

<i>CCBE1</i>	18:57098170-57364644	16.1265	23.2692	0.528988	2.80332	5.00E-05	0.0014988	yes
<i>MCM7</i>	7:99690403-99723131	73.1594	105.539	0.528666	2.44377	0.00015	0.0038882	yes
<i>RPUSD1</i>	16:834973-838383	9.28631	13.3496	0.523618	2.70211	5.00E-05	0.0014988	yes
<i>EFNB3</i>	17:7608519-7614693	2.08581	2.99818	0.523474	2.20669	5.00E-05	0.0014988	yes
<i>PSTPIP2</i>	18:43563501-43652250	2.07067	2.97227	0.521467	2.43663	0.00035	0.0077304	yes
<i>DGCR6L</i>	22:20301760-20307628	5.8825	8.43568	0.520073	2.70634	0.00025	0.0059445	yes
<i>FEN1</i>	11:61560108-61564716	34.5321	49.5101	0.519787	2.88569	5.00E-05	0.0014988	yes
<i>USP1</i>	1:62901974-62917475	24.3117	34.7986	0.517381	2.90075	5.00E-05	0.0014988	yes
<i>UBXN8</i>	8:30601689-30624522	6.0289	8.6278	0.517098	2.64534	5.00E-05	0.0014988	yes
<i>ZNF530</i>	19:58111252-58119637	1.35963	1.94475	0.516373	2.10097	0.0015	0.0242609	yes
<i>GGCT</i>	7:30536236-30544457	26.2099	37.4741	0.515783	1.76245	0.00325	0.0436529	yes
<i>RAD18</i>	3:8918879-9005159	6.53111	9.33213	0.514879	2.6776	5.00E-05	0.0014988	yes
<i>DSCC1</i>	8:120846180-120868170	8.94183	12.7725	0.514404	3.32004	5.00E-05	0.0014988	yes
<i>NEIL3</i>	4:178230990-178284092	7.43516	10.5906	0.510355	2.98161	5.00E-05	0.0014988	yes
<i>CHPT1</i>	12:102091416-102133250	7.30644	10.4041	0.509913	2.78154	5.00E-05	0.0014988	yes
<i>CDC7</i>	1:91966403-91991321	7.53034	10.72	0.509511	2.47447	5.00E-05	0.0014988	yes
<i>FOXC2</i>	16:86600856-86602539	3.07121	4.3701	0.50886	2.91512	0.0019	0.0290653	yes
<i>ANKRD32</i>	5:93954390-94031573	5.64012	8.02474	0.508729	2.92854	5.00E-05	0.0014988	yes
<i>SFXN2</i>	10:104474297-104498946	2.68611	3.81807	0.507326	2.33487	2.00E-04	0.004937	yes
<i>TENM2</i>	5:166711842-167691162	2.42349	3.44313	0.506632	2.55342	5.00E-05	0.0014988	yes
<i>SAMD12</i>	8:119201693-119738306	0.49406	0.701486	0.50573	1.92417	7.00E-04	0.0135861	yes
<i>ENTPD3</i>	3:40428672-40494799	4.04144	5.73785	0.505641	2.54599	5.00E-05	0.0014988	yes
<i>TK1</i>	17:76170159-76183285	43.9841	62.3925	0.504391	3.04713	5.00E-05	0.0014988	yes
<i>DONSON</i>	21:34949856-34961014	13.2511	18.7935	0.504114	3.07407	5.00E-05	0.0014988	yes
<i>CTSF</i>	11:66330934-66336047	4.4414	6.29668	0.503577	2.56867	5.00E-05	0.0014988	yes
<i>C6orf203</i>	6:107349406-107372546	12.754	18.0417	0.500388	2.30724	0.00015	0.0038882	yes
<i>SLC46A1</i>	17:26698986-26733230	2.29335	3.24328	0.499992	1.86853	8.00E-04	0.0151114	yes
<i>DCLRE1B</i>	1:114447914-114456708	5.95828	8.41218	0.497584	2.41749	5.00E-05	0.0014988	yes
<i>SLBP</i>	4:1694526-1714030	54.4577	76.8819	0.497508	3.21256	5.00E-05	0.0014988	yes
<i>FOXRED2</i>	22:36883232-36903148	2.08988	2.95028	0.497431	2.41792	5.00E-05	0.0014988	yes
<i>GEMIN5</i>	5:154266975-154317776	10.1581	14.3311	0.496523	1.75795	0.00155	0.0248368	yes
<i>TIMM21</i>	18:71815745-71826204	19.8623	28.0132	0.496078	2.92761	5.00E-05	0.0014988	yes
<i>RAB36</i>	22:23487512-23506531	1.00106	1.41038	0.494558	1.84977	0.0019	0.0290653	yes
<i>DIDO1</i>	20:61509089-61569304	6.06429	8.54317	0.494432	1.79907	0.00275	0.0384332	yes

<i>ITGA4</i>	2:182321618-182521834	0.840999	1.18307	0.492355	1.94846	0.00245	0.0351582	yes
<i>KIAA1715</i>	2:176790409-176867018	4.54653	6.37555	0.487783	2.58376	5.00E-05	0.0014988	yes
<i>ESCO2</i>	8:27632057-27662425	7.98912	11.1994	0.487316	3.15015	1.00E-04	0.0027579	yes
<i>CHST12</i>	7:2443194-2474242	3.14953	4.41232	0.486401	2.34985	5.00E-05	0.0014988	yes
<i>DCLRE1A</i>	10:115594483-115613859	3.68994	5.16627	0.485527	2.40263	0.00015	0.0038882	yes
<i>HADH</i>	4:108910869-108956331	11.8726	16.6173	0.485058	2.45021	1.00E-04	0.0027579	yes
<i>ZWILCH</i>	15:66797430-66857835	17.5662	24.5544	0.483176	2.17065	0.0025	0.0356451	yes
<i>WDHD1</i>	14:55405655-55493819	9.21517	12.8504	0.47973	2.38789	5.00E-05	0.0014988	yes
<i>STRADB</i>	2:202316391-202345574	8.47039	11.8104	0.479554	2.57131	5.00E-05	0.0014988	yes
<i>TCEA2</i>	20:62688438-62703700	3.83746	5.35038	0.479492	2.15604	8.00E-04	0.0151114	yes
<i>PPP1R3B</i>	8:8993763-9009152	1.414	1.97144	0.479466	2.16333	0.00015	0.0038882	yes
<i>BRI3BP</i>	12:125478193-125510349	11.6734	16.2747	0.479404	2.98246	5.00E-05	0.0014988	yes
<i>CASP8AP2</i>	6:90539618-90584155	6.77332	9.44024	0.478961	2.67473	5.00E-05	0.0014988	yes
<i>SEPN1</i>	1:26126666-26144713	15.9809	22.2535	0.477687	1.80298	0.00115	0.0196005	yes
<i>C18orf25</i>	18:43753987-43846955	3.91499	5.44993	0.47723	2.02906	0.00095	0.0173333	yes
<i>KLHL23,PHOSF</i>	2:170550963-170608396	6.0325	8.39387	0.47658	2.62607	0.00015	0.0038882	yes
<i>MAN2A2</i>	15:91447419-91465815	1.67318	2.32616	0.475355	2.17431	1.00E-04	0.0027579	yes
<i>SLC29A1</i>	6:44187241-44201888	34.5671	47.9809	0.473063	2.5051	5.00E-05	0.0014988	yes
<i>FZD8</i>	10:35927176-35930362	4.05074	5.62253	0.473035	2.59278	5.00E-05	0.0014988	yes
<i>OSBP2</i>	22:31090792-31303811	3.4936	4.84583	0.472027	2.46886	1.00E-04	0.0027579	yes
<i>PPFIA4</i>	1:203020310-203047864	0.892053	1.23552	0.469912	1.76229	0.001	0.0178882	yes
<i>CSRP2</i>	12:77252495-77272799	25.0397	34.6643	0.469232	2.83009	5.00E-05	0.0014988	yes
<i>RCBTB2</i>	13:49063098-49107316	1.23152	1.70479	0.469152	1.83495	0.0032	0.0433186	yes
<i>MBOAT7</i>	19:54677105-54693733	21.9015	30.317	0.469095	2.52458	5.00E-05	0.0014988	yes
<i>EMP2</i>	16:10622278-10674539	6.32469	8.74763	0.467898	2.23247	5.00E-05	0.0014988	yes
<i>BEND3</i>	6:107386384-107435636	1.60528	2.21889	0.467008	2.30682	5.00E-05	0.0014988	yes
<i>URB2</i>	1:229761980-229795946	4.3465	6.00053	0.465235	2.31486	5.00E-05	0.0014988	yes
<i>NAAA</i>	4:76831807-76862166	2.7952	3.85827	0.465002	1.65763	0.00355	0.0461649	yes
<i>WIPF1</i>	2:175424301-175547627	3.61746	4.99083	0.464304	2.42529	1.00E-04	0.0027579	yes
<i>FAM195A</i>	16:691848-698474	6.96402	9.59942	0.463026	2.53788	0.00195	0.029568	yes
<i>MFSD1</i>	3:158519714-158547508	7.55115	10.3997	0.461774	2.17056	3.00E-04	0.0068401	yes
<i>PIGW</i>	17:34891402-34895150	9.72107	13.3807	0.460968	2.60705	2.00E-04	0.004937	yes
<i>C21orf58</i>	21:47721046-47743785	2.53684	3.48983	0.460122	2.16252	0.00025	0.0059445	yes
<i>PCGF5</i>	10:92922768-93044088	3.10693	4.27301	0.459764	2.13572	0.0015	0.0242609	yes

<i>CMBL</i>	5:10277706-10308168	3.39938	4.67515	0.459741	2.1232	1.00E-04	0.0027579	yes
<i>HSPA4L</i>	4:128703452-128754522	6.33197	8.69711	0.457882	2.68777	5.00E-05	0.0014988	yes
<i>HS3ST1</i>	4:11399987-11430537	9.62904	13.2205	0.457312	3.05929	0.00015	0.0038882	yes
<i>FAM81A</i>	15:59730371-59815751	1.21518	1.66809	0.457035	1.91089	0.00335	0.0444197	yes
<i>TMEM109</i>	11:60681370-60690915	11.4651	15.7103	0.454462	2.32427	5.00E-05	0.0014988	yes
<i>SAMD1</i>	19:14199228-14201232	17.7108	24.2653	0.454268	3.15578	1.00E-04	0.0027579	yes
<i>RAB20</i>	13:111175412-111214071	4.08522	5.59388	0.453436	2.09011	0.00105	0.0185265	yes
<i>TRAM2</i>	6:52362199-52441862	17.1985	23.5433	0.453037	2.24929	5.00E-05	0.0014988	yes
<i>RAD51</i>	15:40987326-41024356	7.44123	10.1817	0.452367	2.04262	3.00E-04	0.0068401	yes
<i>PCYOX1L</i>	5:148737569-148749221	6.18822	8.464	0.451816	2.3734	5.00E-05	0.0014988	yes
<i>ST6GALNAC4</i>	9:130670164-130679305	5.82858	7.96975	0.451389	1.86158	0.00325	0.0436529	yes
<i>SOX7</i>	8:10581277-10588022	12.0179	16.4274	0.45092	2.39631	5.00E-05	0.0014988	yes
<i>PXMP2</i>	12:133264191-133281577	15.0817	20.6144	0.450857	2.57583	0.00025	0.0059445	yes
<i>CDCA5</i>	11:64844926-64851615	18.9101	25.8453	0.450746	2.34642	1.00E-04	0.0027579	yes
<i>RTN4R</i>	22:20228937-20255816	6.16665	8.42447	0.450099	2.53984	2.00E-04	0.004937	yes
<i>ZC3HAV1L</i>	7:138710451-138720775	2.59943	3.54912	0.449267	1.93623	0.00355	0.0461649	yes
<i>C16orf55</i>	16:89724209-89737675	2.92458	3.98998	0.448153	1.99432	9.00E-04	0.0166758	yes
<i>THRB</i>	3:24158643-24541502	1.05802	1.4426	0.447304	2.05163	5.00E-04	0.0104629	yes
<i>FBXO41</i>	2:73481809-73496758	1.31772	1.79668	0.447284	2.08315	3.00E-04	0.0068401	yes
<i>NAGPA</i>	16:5074844-5092972	4.11877	5.61505	0.447088	2.32529	4.00E-04	0.0086622	yes
<i>GPD1L</i>	3:32148002-32210207	1.04031	1.41822	0.447072	1.75207	0.00335	0.0444197	yes
<i>WDR7</i>	18:54318615-54697036	1.38862	1.89079	0.445343	2.09801	0.00025	0.0059445	yes
<i>MVK</i>	12:110011499-110035071	13.9411	18.9729	0.444595	2.24788	1.00E-04	0.0027579	yes
<i>ZNF675</i>	19:23835707-23870017	6.4983	8.84103	0.444152	2.97264	3.00E-04	0.0068401	yes
<i>LRFN3</i>	19:36428021-36436097	4.94532	6.72668	0.44383	2.95055	4.00E-04	0.0086622	yes
<i>SLC39A6</i>	18:33688493-33709357	26.6369	36.2193	0.443331	2.49613	5.00E-05	0.0014988	yes
<i>SCCPDH</i>	1:246887377-246931439	2.83326	3.85229	0.443255	2.2618	0.0011	0.0190409	yes
<i>LRRC28</i>	15:99791651-99926498	3.97681	5.40682	0.443169	2.30416	0.0031	0.0423712	yes
<i>CCDC117</i>	22:29168661-29185283	5.48014	7.43979	0.441048	2.35747	3.00E-04	0.0068401	yes
<i>TMEM160</i>	19:47549166-47551882	11.0303	14.97	0.440604	2.75706	0.00225	0.0328344	yes
<i>NUBP2</i>	16:1832932-1839192	17.3729	23.5734	0.440323	2.56426	2.00E-04	0.004937	yes
<i>SLC45A3</i>	1:205626980-205649630	1.64503	2.22782	0.437525	1.81681	0.00155	0.0248368	yes
<i>SIX1</i>	14:61111416-61116155	5.7935	7.84318	0.437003	2.44235	0.00015	0.0038882	yes
<i>C19orf48</i>	19:51300960-51307974	43.7038	59.1148	0.435762	2.50978	5.00E-05	0.0014988	yes

<i>RARA</i>	17:38465422-38513895	9.2053	12.4477	0.435348	2.02794	5.00E-05	0.0014988	yes
<i>BOLA3</i>	2:74362527-74375039	66.4055	89.7939	0.435315	1.93592	0.00105	0.0185265	yes
<i>CBX5</i>	12:54624729-54673915	6.80413	9.19972	0.43518	2.19077	5.00E-05	0.0014988	yes
<i>VSIG10</i>	12:118501397-118541810	1.47029	1.98775	0.43504	1.92015	0.00055	0.0112366	yes
<i>PGP</i>	16:2261602-2264822	8.33613	11.2694	0.434957	2.17787	0.00025	0.0059445	yes
<i>FOSL2</i>	2:28607275-28637516	15.662	21.1619	0.434199	2.24495	5.00E-05	0.0014988	yes
<i>SOX9</i>	17:70117160-70122561	19.5643	26.4048	0.432572	2.71188	5.00E-05	0.0014988	yes
<i>SIPA1L2</i>	1:232533710-232651243	0.740168	0.998566	0.432004	1.78477	0.0035	0.0457061	yes
<i>ALG6</i>	1:63833260-63904233	4.12022	5.55759	0.431737	2.62716	5.00E-05	0.0014988	yes
<i>ADAMTS15</i>	11:130318868-130346539	0.728161	0.981186	0.430268	1.57299	0.0039	0.0495948	yes
<i>C14orf1</i>	14:76117232-76127538	39.4291	53.1195	0.429982	2.60364	5.00E-05	0.0014988	yes
<i>THAP10</i>	15:71173680-71184772	3.06802	4.13224	0.429619	2.23015	0.00345	0.0452052	yes
<i>FAM102B</i>	1:109102970-109181949	1.62344	2.18639	0.429499	2.1706	0.00075	0.0143591	yes
<i>KRT7</i>	12:52626953-52642709	1294.92	1743.53	0.429149	2.2389	0.00015	0.0038882	yes
<i>LBR</i>	1:225589203-225616557	12.3169	16.5742	0.428291	2.44682	5.00E-05	0.0014988	yes
<i>FAM111A</i>	11:58910317-58922512	13.4931	18.1557	0.428205	2.24755	5.00E-05	0.0014988	yes
<i>KCTD6</i>	3:58477822-58488087	4.25456	5.7239	0.427989	1.99102	0.0023	0.0333446	yes
<i>HSP90AA1</i>	14:102547074-102606086	543.994	731.768	0.427795	2.00232	2.00E-04	0.004937	yes
<i>GAA</i>	17:78075354-78093679	8.10517	10.8989	0.427273	2.00745	0.00025	0.0059445	yes
<i>L2HGDH</i>	14:50709151-50778947	2.73072	3.66988	0.42645	2.04847	2.00E-04	0.004937	yes
<i>NDUFA4</i>	6:97337186-97345767	7.55361	10.1514	0.426438	2.64445	2.00E-04	0.004937	yes
<i>RELT</i>	11:73087404-73108519	3.13246	4.20861	0.426047	1.9674	3.00E-04	0.0068401	yes
<i>MAGEE1</i>	X:75648045-75651746	1.70487	2.29018	0.425803	1.90926	0.00215	0.0316727	yes
<i>TPD52</i>	8:80947102-81083836	13.5761	18.2326	0.425454	2.36048	3.00E-04	0.0068401	yes
<i>C16orf62</i>	16:19566736-19712485	3.03924	4.08068	0.425098	2.37668	0.00015	0.0038882	yes
<i>SRGAP3</i>	3:9022274-9291369	1.98989	2.67149	0.424954	2.00655	0.00035	0.0077304	yes
<i>PDK3</i>	X:24483343-24568583	1.15097	1.54513	0.424871	1.85505	0.00215	0.0316727	yes
<i>MTFP1</i>	22:30821610-30825041	20.1114	26.9872	0.424261	2.03705	0.001	0.0178882	yes
<i>MBD3</i>	19:1576677-1592652	23.0136	30.8526	0.422906	2.33441	0.00035	0.0077304	yes
<i>CPPED1</i>	16:12753655-12897744	2.27846	3.05385	0.422572	2.03994	5.00E-05	0.0014988	yes
<i>AVPI1</i>	10:99437180-99447015	10.3345	13.8452	0.421924	2.59106	2.00E-04	0.004937	yes
<i>LAPTM4B</i>	8:98787808-98864830	28.0173	37.5328	0.421834	2.56939	5.00E-05	0.0014988	yes
<i>MT2A</i>	16:56642477-56643409	7006.22	9384.67	0.42167	5.83217	5.00E-05	0.0014988	yes
<i>MMD</i>	17:53469973-53499341	8.90343	11.9159	0.420451	2.52204	0.00075	0.0143591	yes

<i>NEURL1B</i>	5:172068275-172118543	1.86302	2.49271	0.420069	1.98299	1.00E-04	0.0027579	yes
<i>SIMC1</i>	5:175665369-175772992	7.32173	9.79427	0.419753	2.43723	3.00E-04	0.0068401	yes
<i>KDSR</i>	18:60994970-61034506	6.68102	8.9366	0.419657	2.37031	2.00E-04	0.004937	yes
<i>SEC11C</i>	18:56807124-56826064	26.1699	34.9971	0.419326	2.45672	4.00E-04	0.0086622	yes
<i>TMEM241</i>	18:20875976-21017925	2.36324	3.15852	0.418486	1.91216	0.0011	0.0190409	yes
<i>MMP15</i>	16:58059281-58080805	2.22013	2.96706	0.418391	2.13648	9.00E-04	0.0166758	yes
<i>C1orf159</i>	1:1017197-1051736	4.62684	6.18222	0.418098	2.28439	0.00095	0.0173333	yes
<i>SRM</i>	1:11114648-11120091	72.8294	97.3059	0.418006	2.65197	0.00015	0.0038882	yes
<i>RABIF</i>	1:202847409-202858385	3.70864	4.95478	0.417933	2.30073	0.00015	0.0038882	yes
<i>GINS1</i>	20:25388322-25429191	11.521	15.3901	0.417745	2.20401	1.00E-04	0.0027579	yes
<i>XYLB</i>	3:38388250-38456467	1.20785	1.61321	0.417487	1.6379	0.00385	0.0490393	yes
<i>POLQ</i>	3:121150272-121264853	2.85562	3.81381	0.41743	2.22756	4.00E-04	0.0086622	yes
<i>IPMK</i>	10:59951277-60027694	2.18537	2.91794	0.417071	2.55321	0.00025	0.0059445	yes
<i>ZCCHC2</i>	18:60190657-60245818	2.60824	3.48237	0.416988	2.17021	0.00055	0.0112366	yes
<i>CDH2</i>	18:25530929-25757445	7.00373	9.34898	0.416686	2.26882	5.00E-05	0.0014988	yes
<i>ZNF395</i>	8:28203101-28243977	14.1149	18.8343	0.416141	2.04062	5.00E-05	0.0014988	yes
<i>HSPA1A</i>	6:31783290-31785719	7.91203	10.555	0.415813	2.23928	3.00E-04	0.0068401	yes
<i>FAM122A</i>	9:71320615-71624091	3.35573	4.47299	0.414615	2.39376	0.00055	0.0112366	yes
<i>C7orf26</i>	7:6629914-6648355	6.91293	9.21436	0.414586	2.36079	3.00E-04	0.0068401	yes
<i>FTL</i>	19:49468565-49470136	545.04	725.887	0.413383	2.86185	2.00E-04	0.004937	yes
<i>SLC1A1</i>	9:4490426-4587469	1.90419	2.53551	0.413099	2.02151	0.00205	0.0305767	yes
<i>FZD5</i>	2:208627309-208634143	0.90664	1.20658	0.412316	1.787	0.0023	0.0333446	yes
<i>ZNF714</i>	19:21264952-21307897	1.63631	2.17693	0.411852	2.25878	0.00035	0.0077304	yes
<i>RNF219</i>	13:78628989-79233314	9.03943	12.023	0.411497	2.01208	4.00E-04	0.0086622	yes
<i>HPS6</i>	10:103825123-103827795	7.53409	10.0195	0.411301	2.07846	0.00065	0.0128896	yes
<i>TMEM14A</i>	6:52535883-52551386	30.3845	40.4057	0.411221	2.41672	5.00E-04	0.0104629	yes
<i>NCR3LG1</i>	11:17373308-17398868	2.08625	2.77219	0.410116	2.02248	3.00E-04	0.0068401	yes
<i>CHAMP1</i>	13:115079964-115092803	13.733	18.2453	0.409877	2.36392	0.00045	0.0095063	yes
<i>LAGE3</i>	X:153705240-153707596	3.94911	5.24523	0.409479	1.94195	0.0015	0.0242609	yes
<i>LCMT2</i>	15:43619973-43622820	4.90948	6.52053	0.409418	2.14972	0.00035	0.0077304	yes
<i>LIN54</i>	4:83845755-83934040	2.94627	3.91274	0.409293	1.97485	0.0012	0.0202526	yes
<i>DTWD2</i>	5:118172568-118324240	1.43917	1.90996	0.408309	2.05919	0.00325	0.0436529	yes
<i>THNSL1</i>	10:25270907-25351208	2.89138	3.83663	0.408079	1.99603	0.00075	0.0143591	yes
<i>RNF138</i>	18:29671817-29711524	7.45424	9.88683	0.407447	2.06968	0.00325	0.0436529	yes

<i>FAM108C1</i>	15:80987651-81047962	9.4107	12.4703	0.406122	2.46377	0.00035	0.0077304	yes
<i>C5orf30</i>	5:102594441-102614361	4.38092	5.79941	0.404674	2.43414	0.00055	0.0112366	yes
<i>LCLAT1</i>	2:30670122-30867091	4.67663	6.18128	0.402437	1.82813	0.0033	0.0440577	yes
<i>CD320</i>	19:8367010-8373240	18.8866	24.9612	0.402323	2.08757	0.00055	0.0112366	yes
<i>ELOVL6</i>	4:110970228-111119820	35.0399	46.3081	0.402266	2.144	2.00E-04	0.004937	yes
<i>9-Mar</i>	12:58148880-58154193	3.39643	4.48688	0.401696	2.00005	0.00125	0.0209598	yes
<i>BRAT1</i>	7:2577443-2595392	6.49582	8.57759	0.40106	2.13883	6.00E-04	0.0120833	yes
<i>GEMIN4</i>	17:647660-655501	14.4867	19.1204	0.400382	2.11158	0.00025	0.0059445	yes
<i>GLRX2</i>	1:193065594-193075244	24.1517	31.8269	0.398119	2.17375	0.00055	0.0112366	yes
<i>MLF1IP</i>	4:185570766-185655286	26.0854	34.3574	0.397382	2.2966	0.0011	0.0190409	yes
<i>FIGNL1</i>	7:50511830-50518088	7.83832	10.3184	0.396604	2.10089	0.00055	0.0112366	yes
<i>ZNF232</i>	17:5009030-5026397	4.2494	5.59243	0.396215	1.96344	0.0012	0.0202526	yes
<i>JTB</i>	1:153940314-153950451	29.1107	38.3098	0.396165	2.03733	0.00135	0.0222521	yes
<i>FUCA1</i>	1:24171566-24194859	5.70523	7.50554	0.395672	2.24334	4.00E-04	0.0086622	yes
<i>BAG1</i>	9:33252468-33264759	4.39583	5.78231	0.395511	2.02392	0.00055	0.0112366	yes
<i>FAM100A</i>	16:4658883-4664927	15.5015	20.3841	0.395035	2.37229	6.00E-04	0.0120833	yes
<i>LIN9</i>	1:226418849-226497449	4.66513	6.13126	0.394268	2.08017	7.00E-04	0.0135861	yes
<i>TARBP1</i>	1:234527058-234614849	3.16386	4.15721	0.393929	2.19083	7.00E-04	0.0135861	yes
<i>SUFU</i>	10:104263718-104393214	2.17614	2.85579	0.392118	1.62204	0.0012	0.0202526	yes
<i>TOP3A</i>	17:18177234-18218321	6.38559	8.37861	0.391891	1.97328	0.00085	0.0159588	yes
<i>TMX3</i>	18:66340924-66382353	14.2304	18.6664	0.391462	2.28373	6.00E-04	0.0120833	yes
<i>TFAM</i>	10:60144902-60158990	15.0193	19.6992	0.391316	2.18565	0.00055	0.0112366	yes
<i>ITFG3</i>	16:284800-316119	10.4199	13.6658	0.391222	2.03671	7.00E-04	0.0135861	yes
<i>GTDC2</i>	3:43120720-43147575	6.28256	8.23713	0.390788	1.99732	0.0013	0.0216115	yes
<i>USP38</i>	4:144106069-144143141	5.37	7.03704	0.390047	2.19191	0.00085	0.0159588	yes
<i>KIAA1467</i>	12:13197314-13236383	1.33753	1.75222	0.389615	1.69622	0.0038	0.048682	yes
<i>C2orf43</i>	2:20884817-21022827	6.1182	8.01152	0.388968	2.1731	0.00095	0.0173333	yes
<i>HSPA14</i>	10:14880260-14913740	14.1949	18.5718	0.38774	2.26696	0.001	0.0178882	yes
<i>VOPP1</i>	7:55538305-55640200	34.8371	45.5521	0.386893	1.94766	0.00045	0.0095063	yes
<i>JUND</i>	19:18390562-18392432	34.1121	44.5999	0.386757	3.14602	0.00075	0.0143591	yes
<i>LPCAT1</i>	5:1461541-1524076	17.0996	22.3523	0.386458	2.30647	7.00E-04	0.0135861	yes
<i>SRSF3</i>	6:36562089-36572244	82.7887	108.209	0.386318	1.84327	0.00225	0.0328344	yes
<i>EPT1</i>	2:26531040-26618759	8.31507	10.8666	0.386103	2.0426	0.00025	0.0059445	yes
<i>EXOSC5</i>	19:41892274-41903256	8.7258	11.3911	0.384549	2.06882	0.0022	0.0322563	yes

<i>MND1</i>	4:154265800-154336247	13.5575	17.6907	0.383894	2.0138	0.00285	0.0394402	yes
<i>THAP7</i>	22:21354060-21368576	12.6869	16.5477	0.38329	2.33299	0.0033	0.0440577	yes
<i>SLC38A9</i>	5:54921672-55008163	7.13745	9.30849	0.38314	1.85287	0.0016	0.025428	yes
<i>SUSD5</i>	3:33191536-33260707	2.12333	2.7687	0.382882	1.83859	8.00E-04	0.0151114	yes
<i>LCP1</i>	13:46700057-46756459	20.9841	27.3587	0.382703	2.0609	0.00045	0.0095063	yes
<i>GJC1</i>	17:42875815-42908179	3.59741	4.7905	0.382311	2.0098	0.001	0.0178882	yes
<i>ZC3HAV1</i>	7:138728265-138794465	9.26968	12.0764	0.381598	2.0842	6.00E-04	0.0120833	yes
<i>H2AFX</i>	11:118964583-118966177	51.9828	67.7188	0.381524	2.86185	0.00065	0.0128896	yes
<i>RND3</i>	2:151324706-151344209	32.1734	41.906	0.381286	2.1292	4.00E-04	0.0086622	yes
<i>TGFBRAP1</i>	2:105883528-105946148	6.0421	7.86947	0.381218	1.93183	0.00125	0.0209598	yes
<i>ABCB10</i>	1:229652328-229694442	6.86836	8.94495	0.381108	2.29675	0.00145	0.0237491	yes
<i>AKR7A2</i>	1:19629201-19638640	12.9524	16.866	0.380899	2.04322	0.00065	0.0128896	yes
<i>SCD</i>	10:102106771-102124588	461.211	600.331	0.380331	1.79996	0.00155	0.0248368	yes
<i>TXNL4A</i>	18:77732866-77748532	34.063	44.3161	0.379625	2.19217	7.00E-04	0.0135861	yes
<i>AUNIP</i>	1:26160496-26185848	5.95322	7.74084	0.378821	2.13772	0.00135	0.0222521	yes
<i>GTF3A</i>	13:27998680-28024739	70.1622	91.227	0.378765	2.32861	0.003	0.0412221	yes
<i>TFDP1</i>	13:114239002-114295788	52.3634	68.0622	0.378296	1.96612	0.00135	0.0222521	yes
<i>FHL2</i>	2:105977282-106055230	70.6412	91.7841	0.377736	2.20706	0.00065	0.0128896	yes
<i>FHDC1</i>	4:153864134-153900848	1.47514	1.91658	0.377682	1.84939	0.00145	0.0237491	yes
<i>AGPAT3</i>	21:45285115-45407475	4.94752	6.42762	0.377579	1.84661	0.0011	0.0190409	yes
<i>HMGB3</i>	X:150151762-150159248	117.099	152.121	0.377485	1.98432	5.00E-04	0.0104629	yes
<i>TBC1D4</i>	13:75858808-76056250	5.4537	7.08251	0.377025	2.0208	0.0011	0.0190409	yes
<i>TMEM64</i>	8:91634222-91658133	4.64648	6.03296	0.376729	2.03862	0.00195	0.029568	yes
<i>B4GALT6</i>	18:29202208-29264686	2.24166	2.91037	0.376632	2.14313	0.00115	0.0196005	yes
<i>ADRB2</i>	5:148206155-148208197	14.1292	18.332	0.375685	1.98578	0.0012	0.0202526	yes
<i>SLC27A3</i>	1:153747767-153752633	3.76613	4.88585	0.375525	1.90544	0.00275	0.0384332	yes
<i>DEK</i>	6:18224399-18264799	106.796	138.385	0.373824	2.15828	7.00E-04	0.0135861	yes
<i>CYR61</i>	1:86046443-86049650	289.39	374.948	0.373677	2.12076	9.00E-04	0.0166758	yes
<i>FNIP2</i>	4:159690181-159956333	1.9418	2.51518	0.373269	1.83727	9.00E-04	0.0166758	yes
<i>RFC2</i>	7:73645831-73668738	28.4242	36.8036	0.372727	1.66494	0.00205	0.0305767	yes
<i>TYRO3</i>	15:41851219-41871536	2.44928	3.17119	0.372665	1.73879	0.0013	0.0216115	yes
<i>NCKAP5</i>	2:133429371-134326031	1.60282	2.07356	0.371497	1.75757	0.00225	0.0328344	yes
<i>ORC6</i>	16:46723557-46732306	16.8511	21.7767	0.369939	1.74155	0.0026	0.036767	yes
<i>TUSC1</i>	9:25676386-25678856	7.1945	9.29442	0.36947	2.48258	0.0025	0.0356451	yes

<i>RECQL4</i>	8:145736666-145743210	7.08679	9.14224	0.367415	1.87797	0.0012	0.0202526	yes
<i>TSFM</i>	12:58176527-58209852	11.0727	14.2834	0.367339	1.65928	0.0037	0.0476763	yes
<i>C17orf89</i>	17:79213110-79215098	49.9351	64.3844	0.366658	3.01314	0.00135	0.0222521	yes
<i>GPHN</i>	14:66974124-67648525	4.63514	5.97245	0.365711	1.77836	0.00205	0.0305767	yes
<i>STARD7</i>	2:96850596-96908361	35.8495	46.1829	0.365405	2.03115	0.0013	0.0216115	yes
<i>FOXC1</i>	6:1610680-1614132	3.26278	4.20324	0.365398	2.32628	0.00255	0.0361588	yes
<i>SLC2A1</i>	1:43391045-43449029	58.6163	75.4962	0.365102	2.05472	0.00055	0.0112366	yes
<i>APEX2</i>	X:55026779-55034212	18.1598	23.3889	0.365077	2.00812	0.00195	0.029568	yes
<i>CCDC138</i>	2:109403218-109492847	5.49468	7.0758	0.364856	2.19705	0.0019	0.0290653	yes
<i>UROS</i>	10:127477146-127511837	20.5655	26.4744	0.364371	1.82747	0.00175	0.0273088	yes
<i>POLA2</i>	11:65029431-65065088	12.7185	16.3697	0.364097	1.91588	0.00155	0.0248368	yes
<i>TMEM161A</i>	19:19230424-19249310	9.94321	12.797	0.364023	1.73806	0.0032	0.0433186	yes
<i>HS2ST1</i>	1:87380334-87575681	5.66681	7.28995	0.363371	1.82879	0.00355	0.0461649	yes
<i>MEGF8</i>	19:42829760-42882921	3.37953	4.34515	0.362586	1.72284	0.00175	0.0273088	yes
<i>OAT</i>	10:126085871-126107545	92.2267	118.544	0.362167	2.03482	0.00095	0.0173333	yes
<i>MT1X</i>	16:56716381-56718108	441.683	567.628	0.361933	4.22899	8.00E-04	0.0151114	yes
<i>POLD3</i>	11:74303574-74354105	9.99221	12.8247	0.360051	1.91226	0.00165	0.0260097	yes
<i>CDC45</i>	22:19467413-19508135	21.9907	28.1988	0.358743	1.62111	0.0038	0.048682	yes
<i>NCAPD3</i>	11:134022336-134094426	13.3235	17.0843	0.358695	1.95105	0.00115	0.0196005	yes
<i>TCTN3</i>	10:97423152-97453900	17.5462	22.494	0.358382	1.89472	0.00115	0.0196005	yes
<i>TTI1</i>	20:36611422-36661833	17.055	21.8478	0.357297	1.83911	0.00115	0.0196005	yes
<i>HSPH1</i>	13:31710761-31736117	71.8067	91.9703	0.357051	2.09628	0.00115	0.0196005	yes
<i>PAICS</i>	4:57301914-57327534	127.85	163.75	0.357037	1.85114	0.00125	0.0209598	yes
<i>POLR2D</i>	2:128603839-128615729	15.6703	20.0663	0.356744	1.91384	0.0016	0.025428	yes
<i>RFWD3</i>	16:74655296-74700779	14.283	18.2749	0.355568	1.75865	0.0011	0.0190409	yes
<i>MIPEP</i>	13:24304327-24471125	10.0121	12.793	0.35361	1.80077	0.0025	0.0356451	yes
<i>TM7SF3</i>	12:27124502-27167339	14.6666	18.7284	0.352687	1.88178	0.00155	0.0248368	yes
<i>GJA3</i>	13:20712393-20735183	2.30879	2.94674	0.351982	2.00929	0.00205	0.0305767	yes
<i>ERMP1</i>	9:5784571-5833081	12.0917	15.4287	0.351592	1.88662	0.00165	0.0260097	yes
<i>C20orf27</i>	20:3734145-3749035	46.3803	59.1434	0.350705	1.58309	0.0015	0.0242609	yes
<i>CENPQ</i>	6:49431095-49460820	13.9042	17.7229	0.350095	2.88602	0.0023	0.0333446	yes
<i>IMP3</i>	15:75931425-75932664	42.1058	53.6462	0.349458	2.37224	0.0017	0.0266895	yes
<i>ICMT</i>	1:6266188-6296044	24.7778	31.5434	0.348292	1.86884	0.001	0.0178882	yes
<i>IGFBP6</i>	12:53491435-53496128	25.9434	33.0209	0.348015	1.87075	0.0032	0.0433186	yes

<i>IER3IP1</i>	18:44681389-44702745	31.7457	40.3918	0.347501	2.43399	0.0022	0.0322563	yes
<i>TRMT10C</i>	3:101280711-101285089	30.462	38.7029	0.34543	2.22531	0.0023	0.0333446	yes
<i>FANCG</i>	9:35073834-35080013	9.42676	11.9745	0.345132	1.70976	0.0037	0.0476763	yes
<i>RMI2</i>	16:11439310-11445617	15.4221	19.5832	0.344622	2.06623	0.0038	0.048682	yes
<i>MAPRE2</i>	18:32556891-32723434	5.97976	7.59261	0.344509	1.69802	0.00275	0.0384332	yes
<i>DHCR7</i>	11:71145456-71159477	82.8377	105.176	0.344451	1.82541	0.00175	0.0273088	yes
<i>MSMO1</i>	4:166248817-166264316	176.863	224.318	0.342919	1.91471	0.00285	0.0394402	yes
<i>SAP30</i>	4:174292092-174298683	12.4711	15.8051	0.341808	2.16156	0.00385	0.0490393	yes
<i>MRC2</i>	17:60704761-60770962	4.00278	5.07102	0.341274	1.71407	0.00365	0.0471886	yes
<i>MZT2A</i>	2:132241532-132250064	66.1	83.7338	0.341161	2.27831	0.00265	0.0373042	yes
<i>NPAT</i>	11:108028116-108093365	5.68964	7.20677	0.341016	2.01132	0.00245	0.0351582	yes
<i>ZMYND19</i>	9:140476530-140484937	24.3512	30.8284	0.340266	2.03205	0.0034	0.0448528	yes
<i>ATG4C</i>	1:63249776-63330941	6.15066	7.78632	0.340201	1.99156	0.00165	0.0260097	yes
<i>NCOA5</i>	20:44689623-44718580	15.5481	19.6745	0.339588	1.75608	0.0025	0.0356451	yes
<i>SRD5A1</i>	5:6633499-6669675	6.35781	8.02398	0.335788	1.99813	0.00325	0.0436529	yes
<i>MTERF</i>	7:91502020-91510016	6.39771	8.07257	0.335473	1.96186	0.00355	0.0461649	yes
<i>TOPBP1</i>	3:133319448-133380737	17.6491	22.2587	0.334777	2.02827	0.00185	0.0285536	yes
<i>PTDSS1</i>	8:97274166-97346774	44.6494	56.3056	0.334636	1.82549	0.00215	0.0316727	yes
<i>FSD1</i>	19:4304590-4323843	7.69009	9.69694	0.334529	1.90104	0.00345	0.0452052	yes
<i>FASN</i>	17:80036213-80056106	68.8301	86.7912	0.33451	1.74761	0.00255	0.0361588	yes
<i>PIGU</i>	20:33148345-33265089	20.7146	26.1072	0.333804	1.93193	0.00335	0.0444197	yes
<i>FAM20C</i>	7:192968-300740	17.9744	22.6455	0.333286	2.06617	0.003	0.0412221	yes
<i>FADS2</i>	11:61595712-61634825	204.888	258.088	0.333026	1.65259	0.0027	0.0378707	yes
<i>CSE1L</i>	20:47662782-47713497	147.949	186.293	0.332474	2.01403	0.0027	0.0378707	yes
<i>DNAJA1</i>	9:33025208-33039062	157.717	198.548	0.332151	2.02746	0.00185	0.0285536	yes
<i>MARS2</i>	2:198570027-198573114	4.28583	5.39482	0.332	1.85629	0.0034	0.0448528	yes
<i>RPA1</i>	17:1733272-1802848	26.0161	32.722	0.330855	1.86551	0.0021	0.031143	yes
<i>GBP1</i>	1:89517986-89531043	4.98456	6.26721	0.330358	1.79029	0.0031	0.0423712	yes
<i>TRAM1</i>	8:71485452-71520694	136.304	171.327	0.329923	1.98145	0.00335	0.0444197	yes
<i>TCF7L1</i>	2:85360582-85537511	18.3368	23.0379	0.329269	2.0356	0.0034	0.0448528	yes
<i>POLE</i>	12:133200347-133263945	8.08654	10.1553	0.328642	1.71829	0.0036	0.0466198	yes
<i>LRRC58</i>	3:120043575-120068186	8.17306	10.2601	0.328095	2.02229	0.00275	0.0384332	yes
<i>NTHL1</i>	16:2089815-2097867	13.8197	17.3403	0.327402	1.94114	0.00335	0.0444197	yes
<i>EIF4EBP2</i>	10:72163860-72188374	10.3648	13.0027	0.327118	1.73271	0.0022	0.0322563	yes

<i>SFXN1</i>	5:174905513-174955621	57.8082	72.4774	0.326259	2.12646	0.0027	0.0378707	yes
<i>DCTPP1</i>	16:30435018-30441373	39.0694	48.9823	0.326222	1.87109	0.00345	0.0452052	yes
<i>COX18</i>	4:73920415-73935472	2.63083	3.29552	0.324986	1.74158	0.0033	0.0440577	yes
<i>RNF130</i>	5:179382473-179499109	32.1812	40.3009	0.324594	2.03787	0.0036	0.0466199	yes
<i>LIPA</i>	10:90973325-91011660	32.5739	40.7514	0.323134	1.64195	0.0031	0.0423712	yes
<i>FBN2</i>	5:127593600-127873735	16.9404	21.1875	0.322742	1.76479	0.00265	0.0373042	yes
<i>MLEC</i>	12:121124948-121139667	23.7533	29.6068	0.317801	1.55777	0.0033	0.0440577	yes
<i>SQLE</i>	8:126010719-126034525	123.656	154.05	0.317071	1.8225	0.0034	0.0448528	yes
<i>PGRMC1</i>	X:118370210-118378429	58.6218	72.9999	0.316458	2.14282	0.0035	0.0457061	yes
<i>PARP1</i>	1:226548391-226595801	44.1498	54.8118	0.312081	1.5998	0.0028	0.0389566	yes
<i>KCTD12</i>	13:77454303-77460540	26.4591	32.8137	0.310533	1.94193	0.00385	0.0490393	yes
<i>BNIP3</i>	10:133781203-133795435	122.5	151.634	0.307813	2.07503	0.00385	0.0490393	yes
<i>TNFRSF1A</i>	12:6437922-6451283	66.707	53.7823	-0.310706	-1.81841	0.00325	0.0436529	yes
<i>MRPS5</i>	2:95752951-95787754	59.1026	47.6062	-0.312071	-1.76557	0.0037	0.0476763	yes
<i>PSMD4</i>	1:151227196-151239955	112.62	90.6093	-0.313728	-1.83215	0.0033	0.0440577	yes
<i>JUP</i>	17:39910858-39942964	158.603	126.977	-0.320861	-1.5713	0.00335	0.0444197	yes
<i>NBR1</i>	17:41322497-41363707	28.876	23.1107	-0.321313	-1.65989	0.00315	0.0429412	yes
<i>KIF14</i>	1:200520624-200589862	10.8773	8.70221	-0.321868	-1.8745	0.00385	0.0490393	yes
<i>C6orf48</i>	6:31802692-31807541	153.771	122.959	-0.322611	-2.04111	0.0035	0.0457061	yes
<i>CENPE</i>	4:104026962-104119566	15.6142	12.4829	-0.322904	-2.28733	0.0023	0.0333446	yes
<i>VCP</i>	9:35056064-35072739	147.084	117.51	-0.323857	-1.70215	0.0032	0.0433186	yes
<i>EMG1</i>	12:7079943-7085165	83.9377	67.0276	-0.324563	-1.89946	0.00285	0.0394402	yes
<i>EIF5</i>	14:103800338-103811362	57.1415	45.5792	-0.326163	-1.74786	0.00345	0.0452052	yes
<i>SMCHD1</i>	18:2655885-2805015	18.2299	14.5407	-0.32621	-1.94688	0.002	0.0300911	yes
<i>TMEM40</i>	3:12775391-12800808	85.8124	68.417	-0.326831	-1.74831	0.00255	0.0361588	yes
<i>PRKAB2</i>	1:146626684-146644129	13.7503	10.9614	-0.327029	-1.74409	0.0033	0.0440577	yes
<i>HYOU1</i>	11:118914895-118927925	66.1065	52.6672	-0.327887	-1.56136	0.0033	0.0440577	yes
<i>CSTA</i>	3:122044010-122060816	252.181	200.873	-0.328176	-3.15943	0.0025	0.0356451	yes
<i>TRIB3</i>	20:361307-378203	166.925	132.935	-0.328481	-1.97836	0.00195	0.029568	yes
<i>ETV5</i>	3:185764105-185826901	15.1671	12.0696	-0.329577	-1.72579	0.00375	0.0481607	yes
<i>CMAS</i>	12:22199109-22218608	45.2682	36.0118	-0.330027	-2.07302	0.00315	0.0429412	yes
<i>UTP3</i>	4:71554195-71556268	47.1248	37.4753	-0.330544	-1.83166	0.00225	0.0328344	yes
<i>FABP5</i>	8:82192717-82197012	336.642	267.546	-0.331427	-2.48647	0.0022	0.0322563	yes
<i>ZFAND3</i>	6:37787306-38122400	28.6096	22.7324	-0.331751	-1.71079	0.002	0.0300911	yes

<i>TRIP10</i>	19:6739706-6751529	74.3563	59.0747	-0.331915	-1.99597	0.0025	0.0356451	yes
<i>COPG1</i>	3:128968452-128996616	59.1976	47.0209	-0.332235	-1.77947	0.00155	0.0248368	yes
<i>SNX9</i>	6:158244293-158366109	33.9181	26.9063	-0.334112	-1.90753	0.00175	0.0273088	yes
<i>MAFG</i>	17:79876144-79885587	7.97047	6.32227	-0.334221	-1.535	0.00335	0.0444197	yes
<i>MBOAT2</i>	2:8996700-9143876	30.8383	24.4203	-0.336641	-2.05086	0.0026	0.036767	yes
<i>DSG3</i>	18:29027731-29058665	17.7744	14.0738	-0.33679	-1.84834	0.0019	0.0290653	yes
<i>ASB1</i>	2:239335625-239360891	13.8339	10.9513	-0.337112	-1.66342	0.002	0.0300911	yes
<i>SH3PXD2A</i>	10:105353783-105615164	22.9334	18.1531	-0.337235	-1.57303	0.00265	0.0373042	yes
<i>TNFAIP3</i>	6:138144805-138204451	18.2774	14.462	-0.337788	-1.80198	0.00235	0.0339427	yes
<i>ZNF259</i>	11:116649275-116658739	49.6042	39.2126	-0.339146	-1.99045	0.0021	0.031143	yes
<i>PRDM15</i>	21:43218384-43299591	2.29674	1.81512	-0.339519	-1.7151	0.003	0.0412221	yes
<i>KIF2C</i>	1:45205489-45233439	26.4987	20.9416	-0.339551	-1.86933	0.00155	0.0248368	yes
<i>ZXDB</i>	X:57618268-57623910	13.4294	10.6051	-0.340634	-1.93513	0.00195	0.029568	yes
<i>ANKRD11</i>	16:89334028-89556969	36.7029	28.9837	-0.340654	-1.99503	0.002	0.0300911	yes
<i>TPBG</i>	6:83072922-83077134	90.7361	71.6452	-0.340806	-2.06093	0.0019	0.0290653	yes
<i>HBEGF</i>	5:139712427-139726188	41.8774	33.052	-0.341436	-1.93307	0.0017	0.0266895	yes
<i>ANXA7</i>	10:75135188-75173841	63.1071	49.798	-0.341715	-1.74155	9.00E-04	0.0166758	yes
<i>CCNB2</i>	15:59397283-59417244	55.3876	43.7047	-0.341774	-2.17542	0.0019	0.0290653	yes
<i>SFN</i>	1:27189632-27190947	1400.28	1104.82	-0.341907	-1.95096	0.00355	0.0461649	yes
<i>METTL10</i>	10:126447405-126480439	9.11936	7.19217	-0.342505	-1.92027	0.00245	0.0351582	yes
<i>NDE1</i>	16:15737123-15950887	15.8116	12.4694	-0.342584	-1.79757	0.0028	0.0389566	yes
<i>WNT7A</i>	3:13860081-13921618	27.1508	21.3986	-0.343478	-2.08459	0.0032	0.0433186	yes
<i>CTSL2</i>	9:99791958-99801925	6.52111	5.13826	-0.343835	-1.72639	0.00335	0.0444197	yes
<i>SRGN</i>	10:70847827-70864567	68.1211	53.6703	-0.343978	-1.8788	0.00195	0.029568	yes
<i>VAMP8</i>	2:85804613-85809156	110.622	87.1493	-0.344077	-2.32841	0.00205	0.0305767	yes
<i>CDK7</i>	5:68530621-68573257	48.2278	37.9706	-0.344983	-2.0163	0.0019	0.0290653	yes
<i>EIF4A2</i>	3:186501360-186524484	201.484	158.589	-0.345374	-1.85178	0.0035	0.0457061	yes
<i>C5orf28</i>	5:43444353-43483992	5.3027	4.17352	-0.345463	-2.00406	0.00385	0.0490393	yes
<i>GANC</i>	15:42566365-42645864	4.90112	3.85739	-0.345489	-1.76333	0.00265	0.0373042	yes
<i>FER</i>	5:108083522-108523373	10.3307	8.1286	-0.345858	-2.06991	0.00305	0.0418351	yes
<i>YARS</i>	1:33240839-33324480	91.0475	71.6215	-0.346226	-1.75087	0.00325	0.0436529	yes
<i>AP1G2</i>	14:23980968-24048009	24.5682	19.3258	-0.346263	-1.6866	0.00245	0.0351582	yes
<i>DYNLRB1</i>	20:33104203-33128762	377.205	296.608	-0.346792	-2.69852	0.00135	0.0222521	yes
<i>GTF2F1</i>	19:6379579-6393291	52.3415	41.1543	-0.346911	-1.94951	0.00145	0.0237491	yes

<i>SAMD8</i>	10:76871392-76941881	9.44852	7.42801	-0.347112	-1.71276	0.00285	0.0394402	yes
<i>IRF1</i>	5:131817300-131826465	5.43951	4.27468	-0.34766	-1.70606	0.0029	0.0399896	yes
<i>NMT2</i>	10:15147770-15210695	4.63535	3.64234	-0.347815	-1.76354	0.00325	0.0436529	yes
<i>KDM5C</i>	X:53220502-53254604	27.4583	21.5751	-0.347873	-1.67832	0.00215	0.0316727	yes
<i>TNKS1BP1</i>	11:57067102-57092413	42.0636	33.0403	-0.348345	-1.681	0.00105	0.0185265	yes
<i>TBC1D22A</i>	22:47158517-47571342	6.88265	5.40513	-0.348636	-1.70456	0.0036	0.0466199	yes
<i>ZNF710</i>	15:90544751-90625432	9.32119	7.31979	-0.348712	-1.65003	0.002	0.0300911	yes
<i>CCS</i>	11:66360689-66373490	14.8491	11.6601	-0.348793	-1.77511	0.002	0.0300911	yes
<i>EIF4E3</i>	3:71728439-71804328	2.78509	2.18625	-0.349263	-1.87312	0.00285	0.0394402	yes
<i>FGFRL1</i>	4:1005609-1020686	12.4601	9.77243	-0.350525	-1.68064	0.00245	0.0351582	yes
<i>NDUFA13</i>	19:19627018-19639013	271.476	212.648	-0.352359	-2.76028	0.0013	0.0216115	yes
<i>ASAP2</i>	2:9346893-9545812	39.1289	30.6386	-0.352883	-1.9206	0.00375	0.0481607	yes
<i>DNER</i>	2:230222344-230579286	27.6555	21.6485	-0.353302	-2.15712	0.00165	0.0260097	yes
<i>KIAA0556</i>	16:27561467-27791692	4.53957	3.55134	-0.354191	-1.70409	0.00205	0.0305767	yes
<i>LMBR1L</i>	12:49490921-49504680	6.47867	5.06754	-0.354411	-1.82636	0.0016	0.025428	yes
<i>ITGB4</i>	17:73717515-73753899	330.698	258.603	-0.354776	-1.72684	0.0023	0.0333446	yes
<i>GRIPAP1</i>	X:48830133-48858675	13.8919	10.8597	-0.355267	-1.59723	0.00325	0.0436529	yes
<i>TRIM56</i>	7:100728785-100733909	10.6573	8.32609	-0.356135	-1.68228	0.002	0.0300911	yes
<i>EREG</i>	4:75230859-75254477	29.1705	22.7745	-0.357092	-2.10984	0.0013	0.0216115	yes
<i>RPL37</i>	5:40831429-40835387	631.565	492.689	-0.358254	-1.60092	0.0013	0.0216115	yes
<i>GNA15</i>	19:3136190-3163766	56.7351	44.2591	-0.358268	-1.94026	0.00115	0.0196005	yes
<i>PWP1</i>	12:108079589-108106257	59.3859	46.3095	-0.358812	-1.98311	0.00095	0.0173333	yes
<i>TMEM173</i>	5:138855112-138862343	12.8807	10.0426	-0.359084	-1.79966	0.00195	0.029568	yes
<i>EIF2S2</i>	20:32676114-32700085	265.273	206.772	-0.359441	-1.94233	0.00105	0.0185265	yes
<i>CDCA3</i>	12:6957971-6960456	27.1349	21.1442	-0.359886	-2.09923	0.0023	0.0333446	yes
<i>SEMA3C</i>	7:80371853-80548667	36.5666	28.4852	-0.360315	-2.23019	0.00075	0.0143591	yes
<i>FIS1</i>	7:100882892-100888371	156.1	121.516	-0.361319	-2.4452	0.001	0.0178882	yes
<i>BPGM</i>	7:134331530-134364568	20.4183	15.8934	-0.361433	-1.88214	0.00135	0.0222521	yes
<i>CDK5RAP3</i>	17:46048428-46059147	35.4512	27.5846	-0.361969	-1.94698	0.00115	0.0196005	yes
<i>CORO1A</i>	16:30194730-30200397	6.76143	5.25965	-0.362361	-1.64567	0.00235	0.0339427	yes
<i>PRR11</i>	17:57232859-57284070	24.9844	19.4313	-0.362647	-1.9294	8.00E-04	0.0151114	yes
<i>ATXN1</i>	6:16299342-16761721	2.05333	1.59648	-0.363073	-1.73174	0.00125	0.0209598	yes
<i>EHBP1L1</i>	11:65343508-65360116	23.582	18.3223	-0.364081	-1.65098	0.00085	0.0159588	yes
<i>SLCO2A1</i>	3:133651539-133748920	4.7045	3.65457	-0.36434	-1.77862	0.0018	0.0279207	yes

<i>FAIM</i>	3:138327541-138352218	16.1255	12.5225	-0.364815	-1.823	0.0032	0.0433186	yes
<i>PAF1</i>	19:39876268-39881835	44.5831	34.609	-0.365352	-1.64551	0.0018	0.0279207	yes
<i>DVL1</i>	1:1270657-1284492	53.4959	41.5214	-0.365571	-2.02814	0.00045	0.0095063	yes
<i>TUBB6</i>	18:12308256-12326568	1149.2	891.925	-0.365637	-2.12377	0.00175	0.0273088	yes
<i>FAM167A</i>	8:11197145-11324276	5.76763	4.47341	-0.366603	-1.62715	0.00175	0.0273088	yes
<i>FAM83G</i>	17:18853988-18950336	13.6095	10.5546	-0.366745	-1.83176	0.0021	0.031143	yes
<i>NEDD9</i>	6:11183530-11382581	8.99526	6.97523	-0.366924	-1.74271	0.00225	0.0328344	yes
<i>OSTF1</i>	9:77703397-77762114	36.8357	28.5605	-0.367082	-2.35523	0.001	0.0178882	yes
<i>EIF5A2</i>	3:170606203-170626426	6.97345	5.40414	-0.367809	-2.25714	0.00165	0.0260097	yes
<i>HNRNPA2B1</i>	7:26229555-26240413	450.332	348.841	-0.368418	-1.64129	0.0036	0.0466199	yes
<i>LENG8</i>	19:54960064-54974894	31.7198	24.5698	-0.3685	-2.02874	0.00105	0.0185265	yes
<i>C6orf132</i>	6:42068856-42110715	6.06933	4.70055	-0.368706	-1.72217	0.00075	0.0143591	yes
<i>FLOT1</i>	6:30695510-30710453	34.3347	26.5734	-0.369685	-1.97302	0.001	0.0178882	yes
<i>TFE3</i>	X:48886241-48900990	24.7423	19.1441	-0.370075	-1.85167	0.0011	0.0190409	yes
<i>KDM4A</i>	1:44115796-44173012	17.337	13.4141	-0.370104	-1.8172	6.00E-04	0.0120833	yes
<i>SEMA4C</i>	2:97525472-97535735	5.4872	4.24539	-0.370172	-1.80379	0.00105	0.0185265	yes
<i>PRDX5</i>	11:64085559-64089295	280.446	216.809	-0.371296	-1.75875	0.0011	0.0190409	yes
<i>HIP1R</i>	12:123320038-123347507	15.8695	12.266	-0.371597	-1.93134	6.00E-04	0.0120833	yes
<i>ZHX2</i>	8:123793900-123986755	5.38684	4.16152	-0.372328	-1.89596	0.00155	0.0248368	yes
<i>HRH1</i>	3:11178778-11304939	7.1815	5.54244	-0.373765	-1.79244	0.0015	0.0242609	yes
<i>RNF220</i>	1:44870959-45117396	30.0126	23.1601	-0.37393	-1.75358	7.00E-04	0.0135861	yes
<i>H6PD</i>	1:9294862-9331396	2.3006	1.77363	-0.375312	-1.80244	0.0019	0.0290653	yes
<i>TAOK3</i>	12:118587605-118810750	18.5377	14.2913	-0.375318	-2.15713	7.00E-04	0.0135861	yes
<i>TMC6</i>	17:76108998-76139049	11.8402	9.1248	-0.375828	-1.97793	0.0012	0.0202526	yes
<i>KIF4A</i>	X:69509878-69640774	15.7435	12.1316	-0.375987	-2.02279	0.00075	0.0143591	yes
<i>MALL</i>	2:110841446-110874143	18.0483	13.9064	-0.376114	-1.92362	0.00065	0.0128896	yes
<i>SEC24D</i>	4:119643977-119757326	26.7677	20.6217	-0.376332	-2.08969	3.00E-04	0.0068401	yes
<i>DDX60L</i>	4:169277885-169401638	2.74763	2.11509	-0.377468	-2.15358	0.001	0.0178882	yes
<i>CLSTN3</i>	12:7282966-7311541	6.10621	4.70023	-0.377545	-1.73353	0.00115	0.0196005	yes
<i>N4BP2</i>	4:40044536-40159872	3.10242	2.38776	-0.377736	-2.04719	0.0015	0.0242609	yes
<i>MARS</i>	12:57881735-57914300	122.658	94.3559	-0.378458	-2.00578	8.00E-04	0.0151114	yes
<i>PPP4R4</i>	14:94640648-94746072	9.83922	7.56796	-0.378639	-2.14389	0.0018	0.0279207	yes
<i>LYST</i>	1:235824342-236030220	0.838334	0.644295	-0.379804	-1.85379	0.00215	0.0316727	yes
<i>TAF13</i>	1:109606997-109618624	50.9354	39.1453	-0.379831	-2.76063	0.00115	0.0196005	yes

<i>DRAP1</i>	11:65686727-65689048	315.462	242.424	-0.379931	-2.48545	3.00E-04	0.0068401	yes
<i>HNRNPH3</i>	10:70042416-70102953	119.854	92.0859	-0.380229	-1.62329	0.00345	0.0452052	yes
<i>GDI1</i>	X:153665258-153671814	55.8123	42.8609	-0.380923	-1.97053	0.00025	0.0059445	yes
<i>DHRS1</i>	14:24759803-24769039	18.6191	14.2969	-0.381075	-1.72967	0.001	0.0178882	yes
<i>ITPKC</i>	19:41223007-41255828	12.198	9.36543	-0.381227	-1.72535	0.0028	0.0389566	yes
<i>TGFB1</i>	5:135364583-135399507	1738.58	1333.85	-0.382312	-1.92942	0.0016	0.025428	yes
<i>LRIG2</i>	1:113615830-113667342	3.73615	2.86446	-0.383291	-1.97392	6.00E-04	0.0120833	yes
<i>PHLDA1</i>	12:76419226-76425556	87.9436	67.4163	-0.383482	-2.42269	0.00065	0.0128896	yes
<i>NEDD8</i>	14:24683142-24701576	400.24	306.739	-0.383853	-1.75042	0.00045	0.0095063	yes
<i>SLC22A15</i>	1:116519118-116612675	4.87337	3.73415	-0.38414	-2.04595	0.00095	0.0173333	yes
<i>KRT14</i>	17:39738530-39743147	1769.37	1355.61	-0.384296	-1.83788	0.0015	0.0242609	yes
<i>SPAG7</i>	17:4862520-4871132	65.8641	50.4473	-0.384716	-2.19691	8.00E-04	0.0151114	yes
<i>BLVRB</i>	19:40953690-40971725	34.5342	26.4443	-0.38507	-2.22959	0.00125	0.0209598	yes
<i>HTRA1</i>	10:124221040-124274424	33.1559	25.3711	-0.386079	-2.49346	0.00055	0.0112366	yes
<i>ROBO3</i>	11:124735304-124751370	2.73579	2.09343	-0.386089	-1.83134	0.00075	0.0143591	yes
<i>FCHSD1</i>	5:141016516-141030986	10.573	8.08646	-0.386801	-1.5464	0.0029	0.0399896	yes
<i>RILPL1</i>	12:123955908-124018265	6.69914	5.12361	-0.386815	-1.94253	9.00E-04	0.0166758	yes
<i>CEBPG</i>	19:33864574-33873592	27.1976	20.7818	-0.388161	-1.95599	0.00025	0.0059445	yes
<i>UQCRB</i>	8:97238903-97247862	46.4379	35.4694	-0.388728	-2.03011	0.0012	0.0202526	yes
<i>IL1B</i>	2:113587336-113594356	205.12	156.562	-0.389729	-2.43896	0.00035	0.0077304	yes
<i>ARHGEF4</i>	2:131674223-131804836	6.02391	4.59785	-0.389741	-1.6191	0.00365	0.0471886	yes
<i>FNBP4</i>	11:47738068-47788993	22.458	17.1413	-0.38975	-2.11798	0.00025	0.0059445	yes
<i>PSMD2</i>	3:184017021-184026840	269.161	205.422	-0.389878	-1.92246	5.00E-04	0.0104629	yes
<i>RRAS</i>	19:50138551-50143400	102.36	78.1143	-0.389998	-2.52976	0.00055	0.0112366	yes
<i>CNTNAP1</i>	17:40834631-40852011	2.8409	2.16734	-0.390423	-1.89595	0.00045	0.0095063	yes
<i>MTSS1</i>	8:125563024-125740730	44.996	34.3154	-0.390939	-2.22843	0.00035	0.0077304	yes
<i>HIBADH</i>	7:27565058-27702620	44.8078	34.1304	-0.392691	-2.3499	3.00E-04	0.0068401	yes
<i>TMEM234</i>	1:32681797-32687926	7.80412	5.94422	-0.392748	-1.75298	0.0039	0.0495948	yes
<i>SAT1</i>	X:23801274-23804327	162.359	123.508	-0.394586	-1.83908	0.0021	0.031143	yes
<i>UHRF1BP1</i>	6:34759793-34845291	1.94822	1.4813	-0.395291	-1.85157	0.00045	0.0095063	yes
<i>FLII</i>	17:18128935-18162230	89.397	67.9704	-0.395319	-1.88549	0.001	0.0178882	yes
<i>KDM1B</i>	6:18155618-18224084	21.7843	16.5615	-0.395451	-2.27323	0.00035	0.0077304	yes
<i>RNASE7</i>	14:21510384-21512392	16.1497	12.2753	-0.395751	-2.19764	0.00055	0.0112366	yes
<i>EZH1</i>	17:40852292-40897071	5.21442	3.96304	-0.395901	-1.86386	8.00E-04	0.0151114	yes

<i>DAPP1</i>	4:100737980-100791347	13.3592	10.1524	-0.396023	-2.13577	7.00E-04	0.0135861	yes
<i>ABAT</i>	16:8768443-8878432	2.80398	2.12804	-0.397946	-1.81877	0.00045	0.0095063	yes
<i>NEK2</i>	1:211831597-211848972	18.8306	14.2874	-0.398335	-1.86192	0.00345	0.0452052	yes
<i>RTKN</i>	2:74652987-74669060	41.027	31.0675	-0.40117	-1.99557	0.00035	0.0077304	yes
<i>DHX38</i>	16:72118755-72146811	24.9179	18.8654	-0.40144	-1.81111	0.00075	0.0143591	yes
<i>ATF4</i>	22:39916568-39918691	622.474	471.159	-0.401799	-1.79272	0.00025	0.0059445	yes
<i>ARNT</i>	1:150782180-150849244	8.91702	6.74921	-0.401843	-1.57288	0.00345	0.0452052	yes
<i>APOL6</i>	22:36044423-36064456	2.27712	1.72306	-0.402235	-2.11009	3.00E-04	0.0068401	yes
<i>CCNL2</i>	1:1321090-1334718	28.4946	21.5336	-0.404099	-1.88768	9.00E-04	0.0166758	yes
<i>DBN1</i>	5:176883613-176900694	157.63	119.067	-0.404764	-2.10317	1.00E-04	0.0027579	yes
<i>IL10RB</i>	21:34638664-34669539	7.67939	5.79813	-0.405403	-2.20984	4.00E-04	0.0086622	yes
<i>PLEKHA5</i>	12:19282625-19529334	17.923	13.5299	-0.405667	-2.26876	6.00E-04	0.0120833	yes
<i>MPP7</i>	10:28339921-28571067	4.87277	3.67815	-0.40576	-2.24907	5.00E-04	0.0104629	yes
<i>TTL11</i>	9:124584203-124855885	4.62289	3.48875	-0.406084	-1.8522	0.0015	0.0242609	yes
<i>ADAMTSL4</i>	1:150521897-150533413	2.23346	1.68539	-0.406202	-1.63557	0.0032	0.0433186	yes
<i>HIPK2</i>	7:139246315-139342363	7.44719	5.61873	-0.406452	-1.71083	0.0017	0.0266895	yes
<i>ARHGAP40</i>	20:37230576-37279295	14.3002	10.7886	-0.406531	-1.97873	4.00E-04	0.0086622	yes
<i>CTSL1</i>	9:90340973-90346384	52.8629	39.854	-0.407531	-1.9107	3.00E-04	0.0068401	yes
<i>DNMT3A</i>	2:25455829-25565459	2.03487	1.53397	-0.407662	-1.62341	0.0027	0.0378707	yes
<i>NDUFS5</i>	1:39491966-39500308	583.564	439.778	-0.408118	-2.35632	0.00045	0.0095063	yes
<i>CACTIN</i>	19:3607244-3626813	14.5273	10.9468	-0.408251	-1.95636	0.00075	0.0143591	yes
<i>CD9</i>	12:6309481-6347437	248.897	187.537	-0.408373	-2.42257	0.00015	0.0038882	yes
<i>KATNA1</i>	6:149916008-149969940	14.825	11.1569	-0.410102	-2.0566	0.00095	0.0173333	yes
<i>ASAP3</i>	1:23755055-23810750	3.22076	2.42327	-0.410445	-1.79491	0.0016	0.025428	yes
<i>SART1</i>	11:65729159-65747607	32.5377	24.4559	-0.411931	-2.21468	1.00E-04	0.0027579	yes
<i>GARS</i>	7:30634180-30673649	223.018	167.519	-0.412837	-2.42642	0.00015	0.0038882	yes
<i>NBPF9</i>	1:144811742-144828810	3.72873	2.79955	-0.41349	-1.81234	0.00315	0.0429412	yes
<i>PLK1</i>	16:23690200-23724821	58.8468	44.1772	-0.413662	-2.39844	3.00E-04	0.0068401	yes
<i>UPP1</i>	7:48128354-48148330	151.739	113.904	-0.413771	-2.23559	2.00E-04	0.004937	yes
<i>ARHGAP31</i>	3:119013219-119138323	1.06943	0.80245	-0.414364	-1.82224	0.002	0.0300911	yes
<i>TSG101</i>	11:18501857-18548503	50.5083	37.8874	-0.414803	-2.37444	0.00035	0.0077304	yes
<i>CTTNBP2</i>	7:117350704-117513561	1.83703	1.37731	-0.415519	-2.08342	0.0015	0.0242609	yes
<i>CPT1A</i>	11:68522087-68609399	3.62868	2.71956	-0.416076	-1.82956	0.0015	0.0242609	yes
<i>FUCA2</i>	6:143815948-143833020	16.0762	12.0437	-0.416649	-2.29724	0.00035	0.0077304	yes

<i>IL1R1</i>	2:102770401-102796334	1.77117	1.3259	-0.41773	-1.87504	0.0016	0.025428	yes
<i>MAB21L3</i>	1:116654375-116677861	2.93608	2.19763	-0.417943	-1.94434	0.00115	0.0196005	yes
<i>LMO4</i>	1:87794150-87814606	6.27429	4.6947	-0.41842	-2.36609	5.00E-04	0.0104629	yes
<i>NGFRAP1</i>	X:102631267-102633001	101.115	75.634	-0.418885	-1.72004	0.0018	0.0279207	yes
<i>FAM174A</i>	5:99871123-99922440	10.7521	8.04164	-0.419059	-2.39027	8.00E-04	0.0151114	yes
<i>LPAR5</i>	12:6728000-6745297	9.8781	7.38771	-0.419106	-2.01722	0.00035	0.0077304	yes
<i>ETFB</i>	19:51848408-51869672	57.3514	42.869	-0.419894	-1.88257	0.00035	0.0077304	yes
<i>EIF3G</i>	19:10216898-10230599	229.062	171.169	-0.420317	-1.94954	9.00E-04	0.0166758	yes
<i>CEP192</i>	18:12991360-13125052	10.8714	8.12366	-0.420336	-2.30558	5.00E-05	0.0014988	yes
<i>LAMB2</i>	3:49158546-49170599	16.7846	12.5352	-0.421151	-2.0745	2.00E-04	0.004937	yes
<i>CLIP4</i>	2:29338307-29406679	9.89828	7.39189	-0.421234	-2.41435	3.00E-04	0.0068401	yes
<i>CAPG</i>	2:85621870-85641197	96.7707	72.1621	-0.423329	-2.01506	1.00E-04	0.0027579	yes
<i>TCEAL4</i>	X:102840418-102842657	76.7694	57.1819	-0.424975	-1.89485	5.00E-05	0.0014988	yes
<i>RPL36AL</i>	14:50085405-50087349	602.303	448.265	-0.426136	-3.59362	2.00E-04	0.004937	yes
<i>CIRBP</i>	19:1267469-1274809	71.6753	53.3044	-0.42722	-1.7612	4.00E-04	0.0086622	yes
<i>LARP6</i>	15:71123888-71146498	8.19186	6.08861	-0.428077	-1.77635	0.0014	0.0230273	yes
<i>HNRPDL</i>	4:83343716-83351378	97.1529	72.1564	-0.42913	-2.00441	0.00045	0.0095063	yes
<i>EIF2C4</i>	1:36273827-36323491	2.57357	1.91109	-0.429374	-2.06137	0.00015	0.0038882	yes
<i>KLF9</i>	9:72999512-73029573	7.8279	5.80699	-0.430835	-2.41643	2.00E-04	0.004937	yes
<i>IRX4</i>	5:1877540-1882880	16.5925	12.3069	-0.431063	-2.95446	0.00055	0.0112366	yes
<i>FAM84B</i>	8:127564682-127570711	10.5754	7.83982	-0.431818	-2.43011	5.00E-05	0.0014988	yes
<i>MIR205HG</i>	1:209602167-209605894	228.813	169.565	-0.432331	-3.03212	5.00E-05	0.0014988	yes
<i>COL7A1</i>	3:48601505-48632593	134.321	99.438	-0.433817	-1.95748	1.00E-04	0.0027579	yes
<i>FBXO10</i>	9:37510888-37576250	2.14332	1.58617	-0.434295	-1.90331	0.00045	0.0095063	yes
<i>ARHGEF37</i>	5:148961134-149014527	1.52469	1.12798	-0.434779	-1.69896	0.00135	0.0222521	yes
<i>GOLGA2</i>	9:131018107-131038268	23.8733	17.6616	-0.434788	-2.26539	5.00E-05	0.0014988	yes
<i>NDUFA1</i>	X:119004494-119010629	259.198	191.641	-0.435649	-1.96855	0.00045	0.0095063	yes
<i>MAML2</i>	11:95711439-96076344	3.71268	2.74471	-0.435804	-2.24671	0.00015	0.0038882	yes
<i>SHFM1</i>	7:96318078-96339203	368.571	272.443	-0.435991	-3.57588	5.00E-05	0.0014988	yes
<i>MAP1B</i>	5:71403117-71505397	7.17213	5.297	-0.437226	-2.38623	5.00E-05	0.0014988	yes
<i>CASP4</i>	11:104813593-104839325	49.2724	36.3822	-0.437545	-1.80524	0.0011	0.0190409	yes
<i>POLG2</i>	17:62473901-62493184	5.94221	4.38692	-0.437792	-2.05559	0.00085	0.0159588	yes
<i>FOXJ3</i>	1:42642209-42801548	13.3971	9.89029	-0.43784	-1.72101	0.0024	0.0346006	yes
<i>IP6K2</i>	3:48725435-48754711	26.2294	19.3606	-0.438056	-1.63703	0.0034	0.0448528	yes

<i>STC2</i>	5:172741725-172756506	68.785	50.7221	-0.439481	-2.29444	5.00E-05	0.0014988	yes
<i>CDC37</i>	19:10501808-10514271	278.959	205.491	-0.440981	-2.28871	5.00E-05	0.0014988	yes
<i>TUBB3</i>	16:89988416-90002505	38.9435	28.6869	-0.440988	-2.29567	3.00E-04	0.0068401	yes
<i>TAF1D</i>	11:93469094-93474703	63.9934	47.1249	-0.441435	-2.63658	1.00E-04	0.0027579	yes
<i>CLMP</i>	11:122943019-123066007	28.3816	20.8771	-0.443035	-2.47503	5.00E-05	0.0014988	yes
<i>GMIP</i>	19:19740284-19754455	6.01231	4.42081	-0.443609	-2.36874	0.00015	0.0038882	yes
<i>C6orf141</i>	6:49518112-49519808	5.37744	3.95045	-0.444903	-2.14775	0.0011	0.0190409	yes
<i>CCDC12</i>	3:46963219-47018270	49.1445	36.0917	-0.445363	-2.58549	2.00E-04	0.004937	yes
<i>SEMA5A</i>	5:9035137-9546233	1.24874	0.916958	-0.445543	-2.24104	0.00015	0.0038882	yes
<i>DHRS7</i>	14:60611495-60632211	55.7885	40.937	-0.446562	-2.62849	1.00E-04	0.0027579	yes
<i>ZNF841</i>	19:52567718-52599018	4.14731	3.04249	-0.446921	-2.30635	0.00015	0.0038882	yes
<i>ULK1</i>	12:132379278-132407707	8.26689	6.06295	-0.447326	-2.425	0.00025	0.0059445	yes
<i>ATG16L2</i>	11:72525450-72540680	5.53401	4.05695	-0.447931	-2.1922	0.00045	0.0095063	yes
<i>COX19</i>	7:1004485-1015235	5.71442	4.1861	-0.448999	-2.18746	2.00E-04	0.004937	yes
<i>CCNL1</i>	3:156865584-156878482	29.0705	21.2896	-0.449408	-2.58865	5.00E-05	0.0014988	yes
<i>PBXIP1</i>	1:154916555-154928567	5.71752	4.1865	-0.449643	-2.0009	0.00015	0.0038882	yes
<i>H1FX</i>	3:129033613-129043412	98.8402	72.3472	-0.450162	-3.66862	5.00E-05	0.0014988	yes
<i>PCDHGC3</i>	5:140710251-140892548	14.7409	10.7894	-0.450217	-1.81267	0.00065	0.0128896	yes
<i>MAN2C1</i>	15:75648132-75660968	6.96286	5.08606	-0.453132	-1.73106	0.0017	0.0266895	yes
<i>CDKN2B</i>	9:21994789-22121096	8.86319	6.45622	-0.457135	-1.85586	0.00095	0.0173333	yes
<i>ZNF783</i>	7:148959261-148982085	3.19016	2.3222	-0.458137	-2.18174	1.00E-04	0.0027579	yes
<i>PLEKHA6</i>	1:204187978-204329057	1.98737	1.44661	-0.458187	-2.1523	0.00015	0.0038882	yes
<i>CLASRP</i>	19:45542297-45574214	25.174	18.3114	-0.45919	-2.71484	5.00E-05	0.0014988	yes
<i>AOX1</i>	2:201450730-201536218	48.272	35.1104	-0.459287	-2.4465	5.00E-05	0.0014988	yes
<i>HIST1H2BK</i>	6:27106071-27114637	24.3336	17.6805	-0.460786	-2.76649	5.00E-05	0.0014988	yes
<i>XYLT1</i>	16:17196180-17564738	3.48481	2.53174	-0.460947	-2.22767	2.00E-04	0.004937	yes
<i>GLTSCR2</i>	19:48248792-48260323	116.218	84.4029	-0.461466	-2.80943	5.00E-05	0.0014988	yes
<i>PPP1R15A</i>	19:49375648-49379319	68.8693	50.0098	-0.461649	-2.39336	5.00E-05	0.0014988	yes
<i>PLAT</i>	8:42032235-42065194	10.4219	7.56435	-0.462327	-2.24376	0.00015	0.0038882	yes
<i>HKR1</i>	19:37825579-37855357	8.04015	5.83284	-0.463024	-2.13118	0.00025	0.0059445	yes
<i>IL20RB</i>	3:136676706-136729927	107.777	78.1726	-0.463321	-2.41973	5.00E-05	0.0014988	yes
<i>PRSS3</i>	9:33750463-33799229	64.7909	46.9663	-0.464167	-2.00047	5.00E-05	0.0014988	yes
<i>MTMR11</i>	1:149900542-149908791	4.32557	3.1355	-0.464193	-1.74476	0.0018	0.0279207	yes
<i>DUSP18</i>	22:31058038-31063872	2.83806	2.05709	-0.464298	-2.05195	0.00165	0.0260097	yes

<i>HIPK2</i>	7:139415729-139477693	13.0353	9.44792	-0.464358	-2.91858	5.00E-05	0.0014988	yes
<i>SDHA</i>	5:218355-256815	73.745	53.4289	-0.464924	-2.51933	5.00E-05	0.0014988	yes
<i>KDM6B</i>	17:7743234-7758118	7.12108	5.1589	-0.465033	-2.50817	5.00E-05	0.0014988	yes
<i>ZFAND2A</i>	7:1192542-1199855	10.3487	7.49535	-0.46538	-2.38704	0.00055	0.0112366	yes
<i>HSD11B1</i>	1:209859524-209908295	11.1762	8.09347	-0.465597	-2.20304	0.00025	0.0059445	yes
<i>RABGGTB</i>	1:76251885-76260764	93.0568	67.3646	-0.466121	-2.88495	5.00E-05	0.0014988	yes
<i>ANXA3</i>	4:79472741-79531605	306.622	221.86	-0.466814	-2.79155	5.00E-05	0.0014988	yes
<i>CHD2</i>	15:93443550-93571237	21.0174	15.1775	-0.469652	-2.26402	5.00E-05	0.0014988	yes
<i>PER3</i>	1:7844762-7905237	1.31105	0.946104	-0.470657	-2.1219	0.00095	0.0173333	yes
<i>PTPN2</i>	18:12785476-12884334	90.1345	65.0312	-0.470946	-2.32336	4.00E-04	0.0086622	yes
<i>DYNLT3</i>	X:37698088-37706889	28.6289	20.6512	-0.471247	-3.10417	5.00E-05	0.0014988	yes
<i>ANKRD36</i>	2:97779232-97930258	1.21491	0.875483	-0.472697	-2.13304	9.00E-04	0.0166758	yes
<i>SARS</i>	1:109756514-109780804	148.005	106.639	-0.472909	-2.06973	0.00015	0.0038882	yes
<i>NUMBL</i>	19:41171809-41196556	9.3187	6.71228	-0.473326	-2.42347	1.00E-04	0.0027579	yes
<i>JDP2</i>	14:75894508-75939404	8.70534	6.26307	-0.475032	-2.0825	5.00E-05	0.0014988	yes
<i>LRRFIP1</i>	2:238536223-238690290	96.5748	69.4369	-0.475945	-2.27702	5.00E-05	0.0014988	yes
<i>HMG20B</i>	19:3572942-3579081	78.5514	56.471	-0.476127	-3.18848	5.00E-05	0.0014988	yes
<i>MRPS21</i>	1:150266268-150280819	259.68	186.641	-0.476467	-2.32452	5.00E-05	0.0014988	yes
<i>NCOA7</i>	6:126102306-126253176	6.52666	4.68969	-0.47685	-2.23859	5.00E-05	0.0014988	yes
<i>ZBTB17</i>	1:16268363-16302627	11.6356	8.35231	-0.478303	-2.07969	5.00E-05	0.0014988	yes
<i>TNFRSF19</i>	13:24144508-24250244	8.84056	6.34577	-0.478342	-2.36089	5.00E-05	0.0014988	yes
<i>NCOR2</i>	12:124808956-125052010	28.5841	20.5066	-0.47913	-1.798	0.0031	0.0423712	yes
<i>SRSF5</i>	14:70232999-70238722	134.117	96.0465	-0.481691	-2.33708	5.00E-05	0.0014988	yes
<i>YPEL5</i>	2:30369749-30383399	30.4803	21.8172	-0.482413	-2.80391	5.00E-05	0.0014988	yes
<i>PRNP</i>	20:4666796-4682234	352.142	251.84	-0.483649	-2.30331	5.00E-05	0.0014988	yes
<i>C9orf85</i>	9:74526422-74588373	9.6341	6.88879	-0.483899	-2.72347	0.00015	0.0038882	yes
<i>THOC1</i>	18:214519-268059	36.8984	26.3831	-0.483945	-3.0472	5.00E-05	0.0014988	yes
<i>ELMO3</i>	16:67233027-67237927	10.4147	7.44599	-0.484085	-2.28202	5.00E-05	0.0014988	yes
<i>ADPRM</i>	17:10600926-10614875	3.72072	2.65897	-0.484716	-2.01685	0.00235	0.0339427	yes
<i>TPMT</i>	6:18128541-18155374	26.5157	18.922	-0.486781	-2.81887	5.00E-05	0.0014988	yes
<i>IQGAP3</i>	1:156495196-156542396	10.1644	7.25066	-0.487346	-2.46952	5.00E-05	0.0014988	yes
<i>MGEA5</i>	10:103544199-103578222	53.4447	38.1179	-0.487579	-2.4271	5.00E-05	0.0014988	yes
<i>FAM177A1</i>	14:35514112-35552589	19.8813	14.1769	-0.48787	-2.44496	1.00E-04	0.0027579	yes
<i>SPRYD3</i>	12:53436972-53473204	19.9597	14.2099	-0.490189	-1.91687	2.00E-04	0.004937	yes

<i>ZNF251</i>	8:145946293-145980970	3.96941	2.8252	-0.490571	-2.49294	5.00E-05	0.0014988	yes
<i>PYGB</i>	20:25228705-25371618	106.975	76.1244	-0.49085	-2.35833	5.00E-05	0.0014988	yes
<i>OGT</i>	X:70752911-70795747	26.1251	18.5863	-0.491195	-2.36941	5.00E-05	0.0014988	yes
<i>GADD45B</i>	19:2476122-2478257	51.5894	36.635	-0.49385	-2.73896	5.00E-05	0.0014988	yes
<i>CD55</i>	1:207494816-207534311	10.7247	7.6118	-0.494626	-2.06221	6.00E-04	0.0120833	yes
<i>TNFAIP8L1</i>	19:4639526-4655580	3.94923	2.79766	-0.497351	-2.22928	5.00E-05	0.0014988	yes
<i>PDCD6</i>	5:271735-438406	125.385	88.7715	-0.49819	-2.71832	0.00015	0.0038882	yes
<i>DUSP16</i>	12:12626215-12715448	2.83092	2.00107	-0.500502	-2.46442	5.00E-05	0.0014988	yes
<i>CCDC9</i>	19:47759730-47775210	11.5462	8.15766	-0.501194	-2.50276	1.00E-04	0.0027579	yes
<i>PTGS2</i>	1:186640943-186649559	46.3585	32.7347	-0.50201	-3.09363	5.00E-05	0.0014988	yes
<i>C1RL</i>	12:7247145-7274447	4.03119	2.84532	-0.502616	-1.5451	0.00375	0.0481607	yes
<i>MATN3</i>	2:20191812-20212455	7.50242	5.28148	-0.506413	-2.85188	5.00E-05	0.0014988	yes
<i>EIF4E2</i>	2:233415356-233433920	111.756	78.6548	-0.506743	-3.0058	5.00E-05	0.0014988	yes
<i>STX4</i>	16:31044902-31051485	31.9176	22.4305	-0.508889	-2.55713	5.00E-05	0.0014988	yes
<i>AADAC</i>	3:151531860-151546276	7.67039	5.38064	-0.511522	-2.6906	5.00E-05	0.0014988	yes
<i>ZSWIM4</i>	19:13906273-13943044	2.74999	1.92808	-0.512262	-2.41303	5.00E-05	0.0014988	yes
<i>CEP170</i>	1:243287729-243418708	24.7975	17.3693	-0.51366	-1.90967	0.00185	0.0285536	yes
<i>FGGY</i>	1:59762624-60228402	3.8678	2.7087	-0.513914	-1.62145	0.0018	0.0279207	yes
<i>DCP1B</i>	12:2055213-2113677	3.8169	2.67229	-0.514324	-2.35107	2.00E-04	0.004937	yes
<i>DPP8</i>	15:65737997-65810035	7.85752	5.50115	-0.51434	-1.94305	0.0015	0.0242609	yes
<i>LAMB3</i>	1:209788214-209825820	754.904	477.723	-0.517386	-3.19671	5.00E-05	0.0014988	yes
<i>TAX1BP1</i>	7:27778991-27869386	43.5108	30.3947	-0.517557	-2.30691	1.00E-04	0.0027579	yes
<i>BARX2</i>	11:129245880-129322174	10.0927	7.04891	-0.517844	-2.61742	5.00E-05	0.0014988	yes
<i>FBXO2</i>	1:11708417-11723384	33.1278	23.1175	-0.519055	-2.3973	2.00E-04	0.004937	yes
<i>AARS</i>	16:70286296-70323412	94.5506	65.9467	-0.519786	-2.67032	5.00E-05	0.0014988	yes
<i>LIPE</i>	19:42901299-43156507	5.14127	3.56842	-0.526838	-2.20905	6.00E-04	0.0120833	yes
<i>GPR110</i>	6:46967812-47010082	2.40256	1.66667	-0.527607	-1.81365	0.00115	0.0196005	yes
<i>TUBA1A</i>	12:49578577-49583107	68.6697	47.631	-0.527771	-2.51147	5.00E-05	0.0014988	yes
<i>DGKA</i>	12:56324945-56347807	58.8208	40.793	-0.528005	-2.62169	5.00E-05	0.0014988	yes
<i>CACNG8</i>	19:54466289-54493469	1.23329	0.854791	-0.528864	-2.15816	5.00E-05	0.0014988	yes
<i>LOC100862671</i>	16:30751511-30756517	7.69659	5.32985	-0.530124	-2.89815	5.00E-05	0.0014988	yes
<i>COL1A1</i>	17:48261456-48279000	3.39298	2.34672	-0.53191	-2.69611	5.00E-05	0.0014988	yes
<i>EMP1</i>	12:13349601-13369708	25.8709	17.888	-0.532335	-2.69028	5.00E-05	0.0014988	yes
<i>TMC7</i>	16:18995255-19075264	3.44495	2.37546	-0.536273	-2.13915	0.001	0.0178882	yes

<i>UBXN1</i>	11:62443971-62446527	82.9125	57.1642	-0.536479	-3.04966	5.00E-05	0.0014988	yes
<i>XDH</i>	2:31557187-31637611	3.78943	2.61239	-0.536608	-2.5531	5.00E-05	0.0014988	yes
<i>VPS28</i>	8:145648999-145653927	32.3371	22.279	-0.537503	-1.76628	0.00195	0.029568	yes
<i>LPIN2</i>	18:2916991-3011945	3.11514	2.14413	-0.538903	-2.55711	5.00E-05	0.0014988	yes
<i>UGT8</i>	4:115519610-115598202	2.18595	1.50442	-0.539046	-2.09009	0.00055	0.0112366	yes
<i>ICAM1</i>	19:10381516-10397291	2.12226	1.45982	-0.539809	-2.20222	3.00E-04	0.0068401	yes
<i>FAM50A</i>	X:153672472-153679002	90.8134	62.3747	-0.541944	-3.25892	5.00E-05	0.0014988	yes
<i>NFKB2</i>	10:104153866-104162286	16.4833	11.3193	-0.542221	-2.40677	1.00E-04	0.0027579	yes
<i>NRBP2</i>	8:144915754-144923146	10.1097	6.93925	-0.542895	-2.66568	5.00E-05	0.0014988	yes
<i>LYPD3</i>	19:43964945-43969831	6.26788	4.29924	-0.543897	-2.6739	1.00E-04	0.0027579	yes
<i>RELB</i>	19:45504706-45541456	7.80114	5.32497	-0.550911	-3.0299	5.00E-05	0.0014988	yes
<i>GCNT2</i>	6:10521567-10629601	2.77201	1.89069	-0.552015	-2.60668	5.00E-05	0.0014988	yes
<i>SLMO1</i>	18:12407894-12432237	10.3999	7.08801	-0.553118	-2.69555	5.00E-05	0.0014988	yes
<i>SLC25A25</i>	9:130830478-130871537	3.31479	2.25562	-0.555393	-1.70348	0.00095	0.0173333	yes
<i>PJA1</i>	X:68380580-68385365	20.4294	13.8973	-0.555847	-2.33044	1.00E-04	0.0027579	yes
<i>TUBE1</i>	6:112391859-112423993	11.9893	8.15557	-0.555894	-2.84082	5.00E-05	0.0014988	yes
<i>IRAK2</i>	3:10206562-10285427	1.77229	1.20501	-0.556577	-2.16541	2.00E-04	0.004937	yes
<i>CHMP1B</i>	18:11689013-11908796	86.1439	58.4732	-0.558974	-3.08905	5.00E-05	0.0014988	yes
<i>FAM72B</i>	1:120839004-120855681	2.81912	1.912	-0.56016	-2.52792	3.00E-04	0.0068401	yes
<i>MVP</i>	16:29827527-29859360	44.4814	30.1231	-0.562331	-2.07963	5.00E-05	0.0014988	yes
<i>SUSD4</i>	1:223394160-223537544	1.09362	0.740248	-0.563029	-1.67892	0.00295	0.040643	yes
<i>RGS3</i>	9:116207010-116360018	5.65983	3.82171	-0.56654	-1.64179	0.0019	0.0290653	yes
<i>ATF3</i>	1:212738675-212794119	10.0871	6.81024	-0.566727	-1.6535	0.0036	0.0466199	yes
<i>AKAP8L</i>	19:15490858-15529833	40.5586	27.3751	-0.567146	-3.14415	5.00E-05	0.0014988	yes
<i>SORL1</i>	11:121322911-121504471	17.9852	12.1242	-0.568925	-2.99251	5.00E-05	0.0014988	yes
<i>RPL41</i>	12:56510373-56511616	165.965	111.714	-0.571067	-2.63735	5.00E-05	0.0014988	yes
<i>EVI5L</i>	19:7895160-7929862	6.07295	4.08652	-0.571524	-2.21834	3.00E-04	0.0068401	yes
<i>FNDC4</i>	2:27714749-27718126	5.70133	3.83103	-0.573566	-2.55543	5.00E-05	0.0014988	yes
<i>IGSF3</i>	1:117117030-117210314	14.4871	9.72501	-0.574998	-1.78384	0.0022	0.0322563	yes
<i>C20orf197</i>	20:58630979-58648008	8.65806	5.8096	-0.575603	-3.14915	5.00E-05	0.0014988	yes
<i>CCNG2</i>	4:78078356-78091213	19.7914	13.2787	-0.575759	-3.20427	5.00E-05	0.0014988	yes
<i>ANKRD36B</i>	2:98121260-98206428	1.08031	0.724789	-0.575809	-2.4234	3.00E-04	0.0068401	yes
<i>IL1RL1</i>	2:102927961-102968497	31.4048	21.0639	-0.576213	-3.14922	5.00E-05	0.0014988	yes
<i>HTATIP2</i>	11:20385230-20405329	33.2699	22.2848	-0.578161	-2.49134	5.00E-05	0.0014988	yes

<i>PIF1</i>	15:65107830-65117838	5.00068	3.34861	-0.578561	-2.87457	5.00E-05	0.0014988	yes
<i>MAFF</i>	22:38597938-38612518	28.8778	19.3128	-0.580407	-2.53975	5.00E-05	0.0014988	yes
<i>USP14</i>	18:158482-213739	49.7561	33.2421	-0.58186	-3.09456	5.00E-05	0.0014988	yes
<i>PCBP4</i>	3:51989329-52001482	7.76309	5.18391	-0.582591	-2.15601	5.00E-05	0.0014988	yes
<i>NRIP3</i>	11:9002122-9025596	0.885322	0.591062	-0.582894	-1.86643	0.00375	0.0481607	yes
<i>C4orf32</i>	4:113066552-113110237	15.0905	10.0629	-0.58459	-4.15161	5.00E-05	0.0014988	yes
<i>FAM125B</i>	9:129089122-129269320	0.972783	0.648583	-0.584827	-1.76216	0.00205	0.0305767	yes
<i>PLAU</i>	10:75669726-75682535	86.7913	57.8145	-0.586118	-2.84286	5.00E-05	0.0014988	yes
<i>KCNN4</i>	19:44270684-44285409	6.77252	4.50672	-0.587615	-3.05442	5.00E-05	0.0014988	yes
<i>CDK5RAP2</i>	9:123151146-123342437	9.03714	6.00109	-0.590641	-1.95579	0.00105	0.0185265	yes
<i>PRDM1</i>	6:106534194-106557814	2.01963	1.33883	-0.593118	-2.57517	5.00E-05	0.0014988	yes
<i>STX1A</i>	7:73113534-73134017	12.6966	8.40211	-0.59562	-2.42403	5.00E-05	0.0014988	yes
<i>WDR45</i>	X:48932091-48958059	8.64255	5.71637	-0.596358	-2.10851	0.00025	0.0059445	yes
<i>FERMT1</i>	20:6055491-6104191	148.56	97.7706	-0.603571	-3.14021	5.00E-05	0.0014988	yes
<i>ATP2B4</i>	1:203595914-203713209	17.397	11.4445	-0.60418	-2.92226	5.00E-05	0.0014988	yes
<i>SLCO4A1</i>	20:61273796-61303647	5.75008	3.78024	-0.605105	-3.35314	5.00E-05	0.0014988	yes
<i>IFI27L1</i>	14:94547638-94569060	5.78578	3.79947	-0.606716	-1.64616	0.0021	0.031143	yes
<i>RNF41</i>	12:56596287-56615753	7.4466	4.88296	-0.608824	-2.1566	1.00E-04	0.0027579	yes
<i>TIGD1</i>	2:233412778-233415283	1.77937	1.16668	-0.608949	-2.1105	0.001	0.0178882	yes
<i>MAOA</i>	X:43514154-43606071	9.05306	5.93434	-0.609317	-3.03999	5.00E-05	0.0014988	yes
<i>AGPAT4</i>	6:161551056-161695107	1.54559	1.01262	-0.610066	-2.78033	5.00E-05	0.0014988	yes
<i>NAGS</i>	17:42082031-42086436	4.15328	2.71624	-0.612637	-2.97608	5.00E-05	0.0014988	yes
<i>TSLP</i>	5:110405777-110413722	4.19993	2.74611	-0.612974	-2.81075	1.00E-04	0.0027579	yes
<i>ZBED2</i>	3:111260925-111371206	52.9762	34.6382	-0.612983	-2.97186	5.00E-05	0.0014988	yes
<i>FAM196B</i>	5:169064250-169510386	3.2945	2.1527	-0.613911	-2.63317	5.00E-05	0.0014988	yes
<i>ALDH2</i>	12:112204690-112247789	12.8036	8.35142	-0.616453	-2.07677	1.00E-04	0.0027579	yes
<i>TLR6</i>	4:38825324-38858438	0.752047	0.490144	-0.617617	-2.20493	0.00065	0.0128896	yes
<i>DDAH2</i>	6:31694816-31698039	14.5937	9.50397	-0.618739	-3.38552	5.00E-05	0.0014988	yes
<i>C19orf68</i>	19:48675209-48700516	3.06986	1.99906	-0.61885	-2.48273	0.00035	0.0077304	yes
<i>SLIT3</i>	5:168093070-168728133	3.82966	2.49285	-0.619421	-3.32431	5.00E-05	0.0014988	yes
<i>GTPBP2</i>	6:43543877-43596936	35.2196	22.8436	-0.624588	-2.69056	5.00E-05	0.0014988	yes
<i>CXCR7</i>	2:237478379-237490997	2.99028	1.93798	-0.625728	-2.67004	1.00E-04	0.0027579	yes
<i>METTL4</i>	18:2537523-2571489	8.89142	5.7442	-0.630309	-3.50305	5.00E-05	0.0014988	yes
<i>MAPRE3</i>	2:27193524-27250087	3.58189	2.30997	-0.632845	-2.6232	5.00E-05	0.0014988	yes

<i>SLFN5</i>	17:33570085-33594768	16.5556	10.6747	-0.633129	-3.30911	5.00E-05	0.0014988	yes
<i>FAM100B</i>	17:74261285-74267379	19.9963	12.8729	-0.635393	-3.38725	5.00E-05	0.0014988	yes
<i>MMP14</i>	14:23305792-23316803	261.609	168.163	-0.637552	-3.16702	5.00E-05	0.0014988	yes
<i>B4GALNT1</i>	12:58013692-58026985	2.27319	1.45944	-0.639303	-2.36255	5.00E-05	0.0014988	yes
<i>CBS</i>	21:44473300-44496472	48.3394	31.0152	-0.640223	-3.37073	5.00E-05	0.0014988	yes
<i>CBWD2</i>	2:114195267-114253781	5.03122	3.22608	-0.641127	-3.02573	5.00E-05	0.0014988	yes
<i>SUV420H1</i>	11:67923506-67980784	14.6313	9.3711	-0.642762	-2.56728	1.00E-04	0.0027579	yes
<i>YES1</i>	18:721591-812327	65.0004	41.6279	-0.642897	-3.71804	5.00E-05	0.0014988	yes
<i>ZNF773</i>	19:58011308-58019526	3.91044	2.50093	-0.644866	-2.93826	5.00E-05	0.0014988	yes
<i>IL1A</i>	2:113531491-113542971	163.675	104.671	-0.644965	-3.9398	5.00E-05	0.0014988	yes
<i>DHX58</i>	17:40253421-40264751	1.48511	0.948273	-0.647192	-2.13489	0.00045	0.0095063	yes
<i>AREG</i>	4:75310852-75320726	62.4318	39.8036	-0.649383	-4.16546	5.00E-05	0.0014988	yes
<i>STYK1</i>	12:10771537-10826891	2.59731	1.65324	-0.651723	-2.81769	5.00E-05	0.0014988	yes
<i>FLNB</i>	3:57994126-58157982	87.4559	55.6555	-0.65203	-1.59771	0.00285	0.0394402	yes
<i>NAV3</i>	12:78225068-78606790	3.72487	2.3692	-0.652791	-3.2761	5.00E-05	0.0014988	yes
<i>PCK2</i>	14:24563482-24573339	56.7589	36.0613	-0.654395	-3.18531	5.00E-05	0.0014988	yes
<i>CRYL1</i>	13:20977805-21100012	9.18683	5.82957	-0.656179	-2.86221	5.00E-05	0.0014988	yes
<i>COL17A1</i>	10:105791045-105845638	225.104	142.838	-0.656213	-3.05558	5.00E-05	0.0014988	yes
<i>TCEAL3</i>	X:102862833-102864855	42.1104	26.7001	-0.657331	-2.864	5.00E-05	0.0014988	yes
<i>CHMP2A</i>	19:59062932-59066486	134.011	84.8717	-0.658999	-3.15134	5.00E-05	0.0014988	yes
<i>PIR</i>	X:15363712-15511711	7.72395	4.89072	-0.659292	-2.90705	5.00E-05	0.0014988	yes
<i>LAMA3</i>	18:21269561-21535030	503.01	318.495	-0.659317	-3.10916	5.00E-05	0.0014988	yes
<i>AKR1C1</i>	10:5005453-5020158	4.96249	3.14091	-0.659882	-2.85411	1.00E-04	0.0027579	yes
<i>APOL2</i>	22:36622254-36636000	7.5833	4.79898	-0.660097	-2.82552	5.00E-05	0.0014988	yes
<i>HCLS1</i>	3:121350245-121379791	29.1855	18.4528	-0.661408	-3.33572	5.00E-05	0.0014988	yes
<i>FAM214B</i>	9:35104117-35115893	12.6787	8.00821	-0.662859	-3.25003	5.00E-05	0.0014988	yes
<i>U2AF1L4</i>	19:36233427-36236336	8.31035	5.24452	-0.664099	-1.98511	7.00E-04	0.0135861	yes
<i>SP100</i>	2:231280870-231410317	21.3882	13.49	-0.664925	-2.08154	0.00105	0.0185265	yes
<i>TSPYL2</i>	X:53111541-53117728	12.943	8.15767	-0.665946	-3.21424	5.00E-05	0.0014988	yes
<i>KLHL24</i>	3:183353410-183402307	1.14936	0.72327	-0.668227	-3.05409	5.00E-05	0.0014988	yes
<i>ACOXL</i>	2:111490149-111875799	2.56376	1.61252	-0.66895	-2.53846	5.00E-05	0.0014988	yes
<i>CCDC92</i>	12:124420954-124457163	11.3951	7.15381	-0.671629	-4.12206	5.00E-05	0.0014988	yes
<i>FKBP2</i>	11:64008412-64011607	110.003	69.0564	-0.671702	-3.14797	5.00E-05	0.0014988	yes
<i>WNT5A</i>	3:55499742-55521670	3.26865	2.05044	-0.672756	-3.2193	5.00E-05	0.0014988	yes

<i>S100A2</i>	1:153533583-153538306	4450.35	2788.18	-0.674599	-3.15841	5.00E-05	0.0014988	yes
<i>GNG4</i>	1:235710984-235814054	1.07957	0.676079	-0.675196	-2.40127	5.00E-05	0.0014988	yes
<i>LOC728392</i>	17:5402746-5404319	2.0649	1.28733	-0.681688	-2.2225	0.00145	0.0237491	yes
<i>SPRY2</i>	13:80910110-80915086	30.4049	18.9316	-0.683506	-3.87704	5.00E-05	0.0014988	yes
<i>ASNS</i>	7:97481428-97501854	71.9266	44.6845	-0.68675	-2.75886	5.00E-05	0.0014988	yes
<i>OPLAH</i>	8:145106166-145115584	3.19177	1.98244	-0.687084	-3.28168	5.00E-05	0.0014988	yes
<i>SLC46A3</i>	13:29274216-29293150	3.6682	2.27704	-0.687914	-3.33216	5.00E-05	0.0014988	yes
<i>SLCO1B3</i>	12:20963637-21069845	7.28771	4.51923	-0.689388	-3.87541	5.00E-05	0.0014988	yes
<i>IMPA1</i>	8:82569150-82598589	4.66807	2.89253	-0.690494	-1.92511	0.00185	0.0285536	yes
<i>SP6</i>	17:45922279-45933240	3.90178	2.41434	-0.692506	-3.01646	5.00E-05	0.0014988	yes
<i>HEPHL1</i>	11:93754377-93847374	3.50687	2.1696	-0.692751	-3.47195	5.00E-05	0.0014988	yes
<i>CNTRL</i>	9:123850573-123939886	5.75766	3.55871	-0.694128	-3.81757	5.00E-05	0.0014988	yes
<i>CCDC80</i>	3:112323406-112359977	4.38281	2.70725	-0.695029	-3.24714	5.00E-05	0.0014988	yes
<i>CYYR1</i>	21:27778261-27945581	1.43936	0.885793	-0.70039	-2.31583	0.00015	0.0038882	yes
<i>TSC22D3</i>	X:106956450-107019017	35.5719	21.8567	-0.702661	-3.21616	5.00E-05	0.0014988	yes
<i>PION</i>	7:76940067-77045717	1.40431	0.85978	-0.707821	-2.66088	0.00015	0.0038882	yes
<i>ST6GALNAC2</i>	17:74561460-74582145	16.1891	9.9051	-0.708776	-4.51205	5.00E-05	0.0014988	yes
<i>ASS1</i>	9:133320093-133376661	8.32401	5.08808	-0.710156	-3.24331	5.00E-05	0.0014988	yes
<i>FAM72D</i>	1:143896451-143913143	2.28817	1.3985	-0.710311	-2.95186	5.00E-05	0.0014988	yes
<i>EML2</i>	19:46112657-46148775	24.7661	15.1159	-0.712295	-3.28682	5.00E-05	0.0014988	yes
<i>GSN</i>	9:124030379-124095120	32.3344	19.7082	-0.714278	-2.23051	5.00E-05	0.0014988	yes
<i>ARHGAP24</i>	4:86396283-86923823	2.93766	1.78497	-0.718767	-2.35495	0.00045	0.0095063	yes
<i>MYEOV</i>	11:69061621-69064754	11.0972	6.73932	-0.719522	-3.60562	5.00E-05	0.0014988	yes
<i>IRF9</i>	14:24630421-24635774	7.84092	4.73324	-0.728194	-3.47364	5.00E-05	0.0014988	yes
<i>CDSN</i>	6:31082607-31107869	2.41706	1.45809	-0.729173	-2.40994	1.00E-04	0.0027579	yes
<i>G0S2</i>	1:209848669-209849735	917.76	552.94	-0.730994	-5.36571	5.00E-05	0.0014988	yes
<i>SRPX2</i>	X:99899162-99926296	3.10962	1.87251	-0.731765	-2.92574	5.00E-05	0.0014988	yes
<i>WIP1</i>	17:66417421-66453653	21.8343	13.086	-0.738566	-3.69327	5.00E-05	0.0014988	yes
<i>SLC7A11</i>	4:138948575-139163503	17.1124	10.2485	-0.739634	-4.32513	5.00E-05	0.0014988	yes
<i>PRDM8</i>	4:81106423-81125483	3.7949	2.26765	-0.742863	-3.47673	5.00E-05	0.0014988	yes
<i>DHRS2</i>	14:24105572-24114848	4.43446	2.64922	-0.743192	-2.68534	5.00E-05	0.0014988	yes
<i>ERN1</i>	17:62120389-62207502	3.32482	1.9833	-0.745374	-3.50626	5.00E-05	0.0014988	yes
<i>B4GALNT3</i>	12:569542-671058	1.56788	0.934013	-0.747298	-2.66245	5.00E-05	0.0014988	yes
<i>DQX1</i>	2:74745257-74753408	4.1141	2.45078	-0.747334	-3.35028	5.00E-05	0.0014988	yes

<i>CYP4F11</i>	19:16023179-16045676	4.09452	2.43784	-0.748094	-3.24949	5.00E-05	0.0014988	yes
<i>SYNPO</i>	5:149980641-150038792	7.68435	4.57095	-0.749428	-1.55211	0.0034	0.0448528	yes
<i>ANTXR2</i>	4:80822770-80994477	21.8188	12.9486	-0.752773	-3.77416	5.00E-05	0.0014988	yes
<i>JHDM1D</i>	7:139784545-139876741	5.59228	3.314	-0.754866	-4.05797	5.00E-05	0.0014988	yes
<i>ARG2</i>	14:68086578-68141602	16.2522	9.62049	-0.75645	-2.30228	9.00E-04	0.0166758	yes
<i>LACC1</i>	13:44410487-44468068	3.20334	1.88013	-0.768745	-3.12375	5.00E-05	0.0014988	yes
<i>STX16</i>	20:57226308-57290900	18.5483	10.8834	-0.769153	-2.26821	5.00E-05	0.0014988	yes
<i>KRT34</i>	17:39533920-39538636	3.86316	2.26411	-0.770838	-3.2379	5.00E-05	0.0014988	yes
<i>NDC80</i>	18:2571509-2616634	46.5117	27.2484	-0.771421	-4.93499	5.00E-05	0.0014988	yes
<i>ROBO4</i>	11:124754113-124767831	0.804055	0.464884	-0.790424	-2.30141	5.00E-05	0.0014988	yes
<i>GYLTL1B</i>	11:45943195-45950647	27.3975	15.8283	-0.791539	-4.74416	5.00E-05	0.0014988	yes
<i>EIF3C</i>	16:28699878-28747051	4.85417	2.7956	-0.796065	-3.6339	5.00E-05	0.0014988	yes
<i>COL5A2</i>	2:189896640-190044605	2.19652	1.26456	-0.796586	-3.61491	5.00E-05	0.0014988	yes
<i>SESN2</i>	1:28585962-28609002	14.6739	8.41601	-0.80204	-4.20918	5.00E-05	0.0014988	yes
<i>MYH15</i>	3:108099215-108248169	0.961994	0.548856	-0.8096	-3.18873	5.00E-05	0.0014988	yes
<i>CHD3</i>	17:7788122-7816075	21.9642	12.5122	-0.811818	-2.47349	1.00E-04	0.0027579	yes
<i>ALOXE3</i>	17:7999217-8022234	9.38195	5.3259	-0.816863	-4.13629	5.00E-05	0.0014988	yes
<i>SERPINF1</i>	17:1665258-1680859	4.90601	2.78217	-0.818336	-3.59047	5.00E-05	0.0014988	yes
<i>HNRNPA1</i>	12:54674487-54679030	177.782	100.59	-0.821615	-1.60931	0.0013	0.0216115	yes
<i>ACYP1</i>	14:75519923-75530736	12.4322	7.033	-0.821866	-2.1774	5.00E-05	0.0014988	yes
<i>SIPA1</i>	11:65405577-65418391	2.21285	1.2495	-0.824558	-3.36938	5.00E-05	0.0014988	yes
<i>ZPLD1</i>	3:102153858-102198685	0.721143	0.407047	-0.825091	-2.4908	7.00E-04	0.0135861	yes
<i>IL13RA2</i>	X:114238537-114252207	31.9291	17.9146	-0.833734	-5.56271	5.00E-05	0.0014988	yes
<i>PAPLN</i>	14:73704204-73741348	2.47155	1.38198	-0.838678	-3.94407	5.00E-05	0.0014988	yes
<i>H1FO</i>	22:38201113-38203443	85.9237	47.9586	-0.841265	-4.53003	5.00E-05	0.0014988	yes
<i>YPEL2</i>	17:57409052-57479095	1.2747	0.7107	-0.842844	-3.11558	5.00E-05	0.0014988	yes
<i>HDAC11</i>	3:13521714-13547924	4.41412	2.45681	-0.845337	-2.0751	1.00E-04	0.0027579	yes
<i>LAMC2</i>	1:183155173-183214262	2000.92	1108.5	-0.852051	-3.24764	5.00E-05	0.0014988	yes
<i>MFAP2</i>	1:17300996-17308081	29.642	16.421	-0.852102	-2.43506	5.00E-05	0.0014988	yes
<i>CUL7</i>	6:43005354-43021683	1.60514	0.889052	-0.852356	-1.70246	0.00265	0.0373042	yes
<i>CCDC159</i>	19:11457180-11465620	3.20642	1.77201	-0.855573	-2.91795	0.00015	0.0038882	yes
<i>ABCA1</i>	9:107543282-107690527	1.13398	0.626525	-0.855957	-3.92129	5.00E-05	0.0014988	yes
<i>TEF</i>	22:41763336-41795332	2.1099	1.1631	-0.859199	-3.48838	5.00E-05	0.0014988	yes
<i>MAP4K3</i>	2:39476406-39664453	10.7082	5.9021	-0.85941	-2.46125	5.00E-05	0.0014988	yes

<i>CCDC11</i>	18:47753562-47792865	0.879509	0.482058	-0.86749	-2.00467	0.0032	0.0433186	yes
<i>ISG20</i>	15:89182038-89198879	18.2294	9.98287	-0.86874	-4.67091	5.00E-05	0.0014988	yes
<i>MICAL1</i>	6:109765264-109777190	7.18972	3.93314	-0.870255	-1.82341	0.001	0.0178882	yes
<i>CSF3</i>	17:38171613-38174066	21.0238	11.4515	-0.876486	-2.03465	0.00165	0.0260097	yes
<i>GADD45A</i>	1:68150859-68154021	84.5383	46.0015	-0.877925	-2.73782	5.00E-05	0.0014988	yes
<i>TRAK1</i>	3:42132745-42267382	5.9001	3.19108	-0.886695	-1.82347	0.00095	0.0173333	yes
<i>ABCC2</i>	10:101542462-101611662	0.734726	0.396466	-0.89001	-2.76713	5.00E-05	0.0014988	yes
<i>CD68</i>	17:7482804-7485429	31.1735	16.8033	-0.891575	-1.88761	0.00065	0.0128896	yes
<i>SERPIN2</i>	18:61554938-61571124	34.5487	18.4371	-0.906014	-4.64008	5.00E-05	0.0014988	yes
<i>ROS1</i>	6:117609529-117747018	1.36334	0.723137	-0.914806	-4.04714	5.00E-05	0.0014988	yes
<i>ABCG1</i>	21:43619798-43717354	4.98162	2.63583	-0.91836	-1.78382	0.00095	0.0173333	yes
<i>SLCO1B7</i>	12:21168629-21243040	1.44456	0.760386	-0.925828	-2.9211	0.00015	0.0038882	yes
<i>IGFBP3</i>	7:45951843-45960871	20.9539	11.0106	-0.928327	-5.02593	5.00E-05	0.0014988	yes
<i>GJB4</i>	1:35225341-35229325	8.23412	4.26667	-0.948502	-4.32528	5.00E-05	0.0014988	yes
<i>FABP4</i>	8:82390731-82395473	3.99287	2.06767	-0.949421	-3.27104	0.00015	0.0038882	yes
<i>BCAM</i>	19:45312315-45324678	7.68736	3.96752	-0.954252	-2.07373	0.00155	0.0248368	yes
<i>GABARAPL1</i>	12:10365488-10375727	15.3138	7.88058	-0.958463	-4.73969	5.00E-05	0.0014988	yes
<i>RHBDL2</i>	1:39351478-39407456	2.95854	1.52237	-0.958565	-3.45079	5.00E-05	0.0014988	yes
<i>CLTCL1</i>	22:19166985-19279239	6.64652	3.41369	-0.961266	-3.85778	5.00E-05	0.0014988	yes
<i>MMP2</i>	16:55513080-55540586	8.15658	4.18692	-0.962076	-3.3089	5.00E-05	0.0014988	yes
<i>INHBA</i>	7:41728600-41818976	76.8846	39.3528	-0.966226	-5.42862	5.00E-05	0.0014988	yes
<i>IFI44</i>	1:79115476-79129763	1.61604	0.824035	-0.97169	-2.93461	1.00E-04	0.0027579	yes
<i>MAPKAPK5</i>	12:112277572-112331228	12.9663	6.6097	-0.972115	-2.15924	0.00095	0.0173333	yes
<i>TCEAL1</i>	X:102883647-102885881	12.1369	6.17248	-0.975478	-4.71068	5.00E-05	0.0014988	yes
<i>CD164L2</i>	1:27705595-27709805	0.947306	0.480816	-0.978347	-2.08063	0.0026	0.036767	yes
<i>A4GALT</i>	22:43088126-43116876	3.3332	1.68825	-0.981385	-3.84066	5.00E-05	0.0014988	yes
<i>SCRN1</i>	7:29959718-30029905	21.1962	10.7325	-0.981821	-1.8934	0.00035	0.0077304	yes
<i>WIBG</i>	12:56295196-56321697	19.0869	9.65815	-0.982761	-1.89593	0.001	0.0178882	yes
<i>BTN2A1</i>	6:26458152-26482737	6.3923	3.2131	-0.992368	-2.25175	0.00045	0.0095063	yes
<i>MLLT11</i>	1:151032150-151040973	17.081	8.5845	-0.992585	-5.24118	5.00E-05	0.0014988	yes
<i>ITGA6</i>	2:173292313-173371181	119.755	60.0594	-0.995628	-2.43737	0.00035	0.0077304	yes
<i>SLC24A1</i>	15:65914269-65948598	2.15749	1.07885	-0.999862	-2.10517	0.0011	0.0190409	yes
<i>MMP1</i>	11:102654406-102714342	315.565	157.307	-1.00435	-4.96135	5.00E-05	0.0014988	yes
<i>CHAC1</i>	15:41245635-41248717	34.4459	17.1093	-1.00955	-4.12393	5.00E-05	0.0014988	yes

<i>PLK1S1</i>	20:21106623-21227260	11.1298	5.52514	-1.01034	-1.78192	0.00255	0.0361588	yes
<i>C12orf39</i>	12:21679255-21684210	4.44195	2.18857	-1.0212	-3.46472	7.00E-04	0.0135861	yes
<i>SERPINB1</i>	6:2832565-2842283	13.5232	6.64245	-1.02564	-3.83102	5.00E-05	0.0014988	yes
<i>BIRC3</i>	11:102188180-102210134	1.03533	0.507233	-1.02937	-3.75978	5.00E-05	0.0014988	yes
<i>PCED1B</i>	12:47602202-47630443	2.14427	1.0421	-1.04099	-3.02531	5.00E-05	0.0014988	yes
<i>MYCBPAP</i>	17:48585744-48608862	1.29606	0.628543	-1.04405	-3.28943	5.00E-05	0.0014988	yes
<i>IL31RA</i>	5:55147206-55218682	3.33406	1.61217	-1.04828	-2.00446	0.00105	0.0185265	yes
<i>GSDMC</i>	8:130760441-130799134	4.48774	2.16705	-1.05026	-4.80189	5.00E-05	0.0014988	yes
<i>PNLIPRP3</i>	10:118187423-118237469	10.9741	5.25503	-1.06233	-5.66724	5.00E-05	0.0014988	yes
<i>CPA6</i>	8:68334404-68658620	1.00978	0.483417	-1.06269	-2.64453	0.00025	0.0059445	yes
<i>COL22A1</i>	8:139600477-139926236	1.38787	0.663474	-1.06476	-4.11567	5.00E-05	0.0014988	yes
<i>DHRS9</i>	2:169921298-169952677	3.03765	1.44017	-1.07672	-3.23992	5.00E-05	0.0014988	yes
<i>C5orf4</i>	5:154198051-154230213	1.88399	0.885603	-1.08906	-3.53688	5.00E-05	0.0014988	yes
<i>PIK3IP1</i>	22:31677578-31688520	2.91647	1.3709	-1.0891	-2.99468	5.00E-05	0.0014988	yes
<i>ECM1</i>	1:150480486-150486265	18.52	8.65988	-1.09666	-4.75528	5.00E-05	0.0014988	yes
<i>PLD2</i>	17:4710395-4726727	7.7611	3.62114	-1.09982	-3.64287	5.00E-05	0.0014988	yes
<i>GADD45A</i>	1:68150859-68154021	62.5498	29.0023	-1.10884	-3.01854	5.00E-05	0.0014988	yes
<i>CTH</i>	1:70876900-70905534	10.4532	4.80291	-1.12197	-5.02422	5.00E-05	0.0014988	yes
<i>DLX2</i>	2:172964165-172967478	1.36419	0.624026	-1.12837	-3.65081	5.00E-05	0.0014988	yes
<i>HIST2H2BE</i>	1:149856009-149858232	1.49685	0.683616	-1.13067	-3.55863	5.00E-05	0.0014988	yes
<i>ADM2</i>	22:50919984-50924866	4.51419	2.0505	-1.13849	-4.80554	5.00E-05	0.0014988	yes
<i>NNMT</i>	11:114166534-114183238	15.3584	6.92833	-1.14845	-5.84285	5.00E-05	0.0014988	yes
<i>TREM2</i>	6:41126245-41130922	4.07401	1.82905	-1.15536	-3.78976	5.00E-05	0.0014988	yes
<i>CARD11</i>	7:2945708-3083509	2.18828	0.979639	-1.15947	-4.96424	5.00E-05	0.0014988	yes
<i>PANX2</i>	22:50609159-50618724	1.66095	0.740022	-1.16637	-3.02391	5.00E-05	0.0014988	yes
<i>SLPI</i>	20:43880878-43883206	115.877	51.3826	-1.17324	-8.33286	5.00E-05	0.0014988	yes
<i>RBP5</i>	12:7276279-7281466	1.94083	0.848268	-1.19408	-2.8342	3.00E-04	0.0068401	yes
<i>CYP1A1</i>	15:75011882-75017877	4.58866	1.9755	-1.21586	-5.25167	5.00E-05	0.0014988	yes
<i>SMOX</i>	20:4129425-4168394	13.1499	5.65638	-1.2171	-1.75273	0.0011	0.0190409	yes
<i>SBSN</i>	19:36014268-36019253	0.71008	0.305336	-1.21759	-1.60796	0.00215	0.0316727	yes
<i>GRAMD2</i>	15:72452146-72490136	0.894564	0.384642	-1.21767	-3.11199	5.00E-05	0.0014988	yes
<i>SLITRK6</i>	13:86366921-86373483	6.18184	2.65308	-1.22037	-6.82586	5.00E-05	0.0014988	yes
<i>FAP</i>	2:163027199-163100045	2.77603	1.18857	-1.22379	-5.24121	5.00E-05	0.0014988	yes
<i>NLRP1</i>	17:5404718-5487832	7.22071	3.03784	-1.24909	-2.1232	5.00E-05	0.0014988	yes

<i>UBXN6</i>	19:4445002-4457791	17.4659	7.34694	-1.24932	-2.43296	5.00E-05	0.0014988	yes
<i>NR1D1</i>	17:38218445-38256973	5.07138	2.11555	-1.26135	-4.22313	5.00E-05	0.0014988	yes
<i>KRT16</i>	17:39766029-39769079	7.71597	3.18501	-1.27655	-5.4617	5.00E-05	0.0014988	yes
<i>FAM110C</i>	2:38813-46588	31.3762	12.6361	-1.31212	-7.72089	5.00E-05	0.0014988	yes
<i>HECW2</i>	2:197063976-197457335	5.3161	2.12882	-1.32032	-6.51419	5.00E-05	0.0014988	yes
<i>MMP10</i>	11:102641232-102651359	8.63648	3.44215	-1.32713	-6.37841	5.00E-05	0.0014988	yes
<i>NF1</i>	17:29421944-29704695	3.73087	1.47064	-1.34307	-1.96511	0.00025	0.0059445	yes
<i>CFLAR</i>	2:201980876-202037411	5.68562	2.22132	-1.3559	-2.18169	0.00255	0.0361588	yes
<i>P4HA3</i>	11:73977701-74022699	0.871639	0.338822	-1.3632	-2.90364	5.00E-05	0.0014988	yes
<i>LRP8</i>	1:53692563-53793821	2.96633	1.15294	-1.36336	-2.03887	0.0015	0.0242609	yes
<i>HELZ2</i>	20:62189438-62205592	1.65416	0.638386	-1.37359	-1.92922	0.0011	0.0190409	yes
<i>CGB8</i>	19:49550894-49552368	4.25631	1.63643	-1.37905	-4.55213	5.00E-05	0.0014988	yes
<i>RBFOX2</i>	22:36134782-36424585	7.28385	2.78283	-1.38815	-1.69218	0.0012	0.0202526	yes
<i>TMEM200A</i>	6:130687425-130764212	2.5015	0.943009	-1.40745	-5.03664	5.00E-05	0.0014988	yes
<i>FUT3</i>	19:5842898-5851485	1.49309	0.545674	-1.45219	-3.04356	5.00E-05	0.0014988	yes
<i>ST3GAL5</i>	2:86066270-86116157	1.62025	0.577169	-1.48915	-2.08903	0.00235	0.0339427	yes
<i>CDC25B</i>	20:3776400-3786762	9.00604	3.18781	-1.49833	-1.81435	0.0037	0.0476763	yes
<i>SULT1B1</i>	4:70592685-70626430	3.40795	1.18532	-1.52363	-5.10759	5.00E-05	0.0014988	yes
<i>TMPRSS11D</i>	4:68686593-68749716	2.33776	0.811374	-1.52669	-5.89927	5.00E-05	0.0014988	yes
<i>HNRNPL</i>	19:39327027-39342979	45.9045	15.4916	-1.56714	-2.20611	0.00075	0.0143591	yes
<i>ARHGAP22</i>	10:49654067-49864310	6.89137	2.32199	-1.56943	-2.33307	0.00025	0.0059445	yes
<i>TRIML2</i>	4:189012426-189026408	1.45103	0.485152	-1.58057	-3.44536	1.00E-04	0.0027579	yes
<i>HIST1H2BC</i>	6:26123694-26124132	6.90237	2.28295	-1.59619	-5.4108	0.00035	0.0077304	yes
<i>MFGE8</i>	15:89441913-89456663	7.33387	2.31398	-1.6642	-2.34885	0.00085	0.0159588	yes
<i>WNT9A</i>	1:228109164-228135676	1.92597	0.599078	-1.68477	-3.3791	5.00E-05	0.0014988	yes
<i>HIST1H2AC</i>	6:26124372-26124918	9.41093	2.86733	-1.71463	-6.90476	5.00E-05	0.0014988	yes
<i>PODXL</i>	7:131185020-131241376	12.8792	3.91665	-1.71734	-5.2702	5.00E-05	0.0014988	yes
<i>DBNDD2</i>	20:43990576-44039250	12.3766	3.15246	-1.97307	-2.6356	2.00E-04	0.004937	yes
<i>PI3</i>	20:43803539-43805185	12.3452	3.07659	-2.00455	-8.25761	5.00E-05	0.0014988	yes
<i>ESM1</i>	5:54273694-54281414	4.79714	1.16881	-2.03713	-4.59778	5.00E-05	0.0014988	yes
<i>GCKR</i>	2:27719705-27746551	0.697007	0.164866	-2.07988	-2.98657	1.00E-04	0.0027579	yes
<i>PODXL</i>	7:131185020-131241376	3.46337	0.781345	-2.14814	-2.00564	0.00215	0.0316727	yes
<i>SPRR1B</i>	1:153003678-153005376	12.871	2.31228	-2.47673	-9.84412	5.00E-05	0.0014988	yes
<i>MMP9</i>	20:44637546-44688789	1.03792	0.18009	-2.52691	-4.42767	5.00E-05	0.0014988	yes

S100A8 1:153362507-153363664 4.80332 0.824391 -2.54263 -5.72205 0.00035 0.0077304 yes