

Electronic Supplementary Information

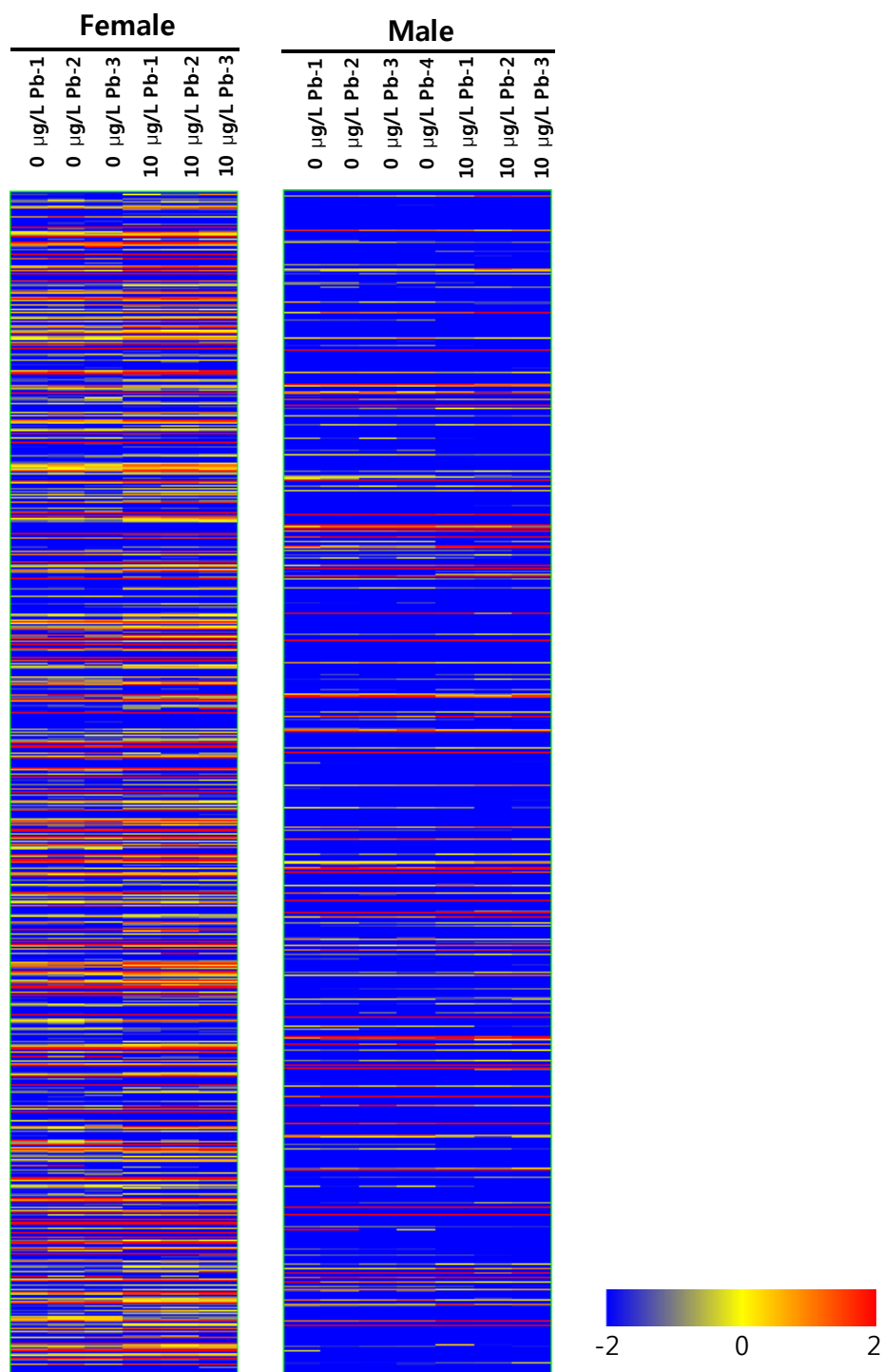
Embryonic exposure to 10 µg/L lead results in female-specific expression changes in genes associated with nervous system development and function and Alzheimer's disease in aged adult zebrafish brain

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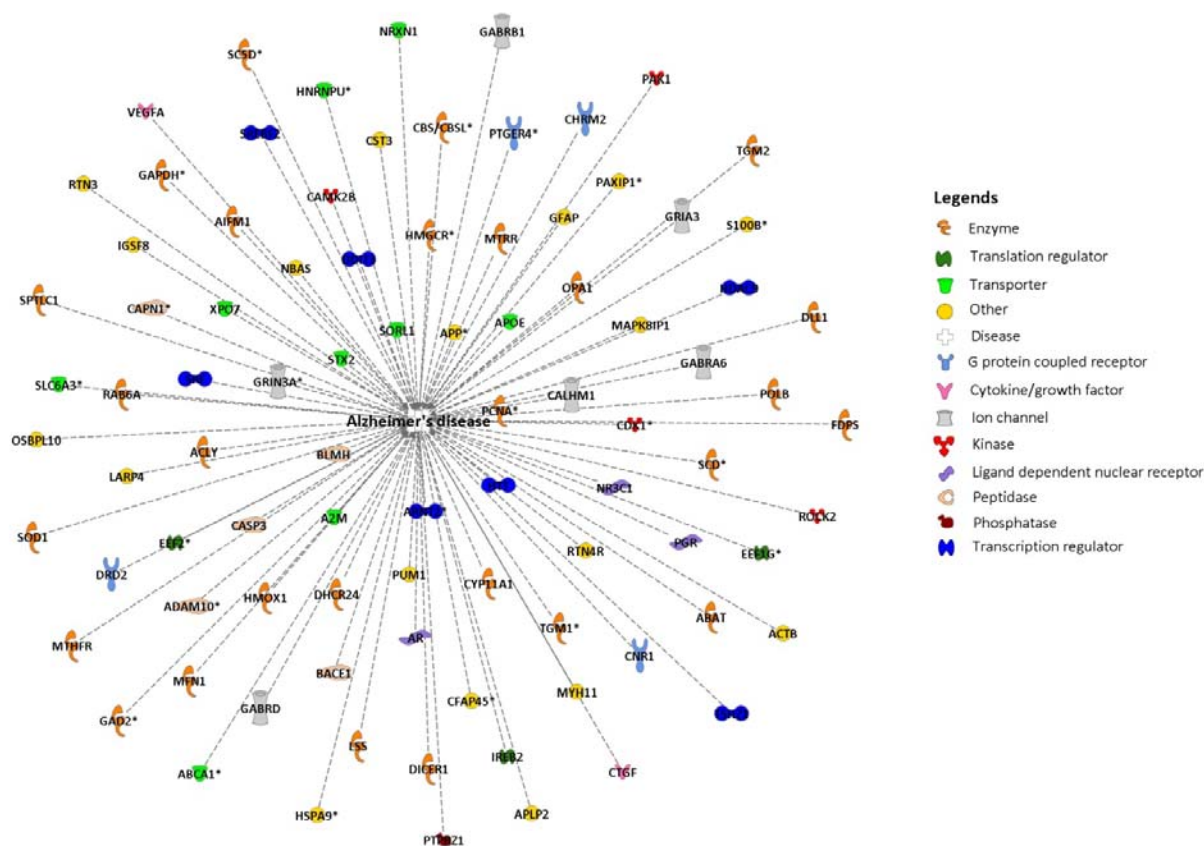
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Supplementary Information Fig 1. Heat map of altered probe sets by a developmental Pb exposure in aged brain of adult female and male zebrafish. Heat map images show significantly altered probe sets (rows) by a developmental exposure to 0 $\mu\text{g/L}$ Pb or 10 $\mu\text{g/L}$ Pb (columns) in aged brains from adult female (left, $n=3$) and adult male zebrafish (right, $n=4$ for 0 $\mu\text{g/L}$ Pb, $n=3$ for 10 $\mu\text{g/L}$ Pb treated groups). Color range indicates different expression of each probe which is mapped to a color intensity value (blue, minimum -2 representing low expression; red, maximum 2 representing high expression).



Supplementary Information Fig 2. Altered genes in aged adult female zebrafish brain associated with Alzheimer's disease. The image shows indirect relationship (dashed line) of Alzheimer's disease with 89 molecules with altered expression profiles in adult female zebrafish exposed to 10 $\mu\text{g/L}$ Pb during embryogenesis. Figure was made in IPA with molecules listed as human protein annotation.

Abbreviations: A2M, alpha-2-macroglobulin; ABAT, 4-aminobutyrate aminotransferase; ABCA1, ATP-binding cassette, sub-family A; ACLY, ATP citrate lyase; ACTB, actin, beta; ADAM10, ADAM metalloproteinase domain 10; AIFM1, apoptosis-inducing factor, mitochondrion-associated, 1; APLP2, amyloid beta ($\text{A}\beta$) precursor-like protein 2; APOE, apolipoprotein E; APP, amyloid beta ($\text{A}\beta$) precursor protein; AR, androgen receptor; ARNT2, aryl-hydrocarbon receptor nuclear translocator 2; BACE1; beta-site APP-cleaving enzyme 1; BLMH, bleomycin hydrolase; CALHM1, calcium homeostasis modulator 1; CAMK2B, calcium/calmodulin-dependent protein kinase II beta; CAPN1, calpain 1, (μ /I) large subunit; CASP3, caspase 3, apoptosis-related cysteine peptidase; CBS/CBSL, cystathionine-beta-synthase; CDK1, cyclin-dependent kinase 1; CFAP45, cilia and flagella associated protein 45; CHRM2, cholinergic receptor, muscarinic 2; CNR1, cannabinoid receptor 1 (brain); CST3, cystatin C; CTGF, connective tissue growth factor; CYP11A1, cytochrome P450, family 11, subfamily A, polypeptide 1; DDIT3, DNA-damage-inducible transcript 3; DHCR24, 24-dehydrocholesterol reductase; DICER1, dicer 1, ribonuclease type III; DLL1, delta-like 1 (*Drosophila*); DRD2, dopamine receptor D2; EEF2, eukaryotic translation elongation factor 2; EEF1G, eukaryotic translation elongation factor 1 gamma; FDPS, farnesyl diphosphate synthase; GABRA6, gamma-aminobutyric acid (GABA) A receptor, alpha 6; GABRB1, GABA A receptor, beta 1; GABRD, GABA A receptor, delta; GAD2, glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa); GAPDH, glyceraldehyde-3-phosphate; GFAP, glial fibrillary acidic protein; GRIA3, glutamate receptor, ionotropic, AMPA 3; GRIN3A, glutamate receptor, ionotropic, N-methyl-D-aspartate 3A; HDAC9, histone deacetylase 9; HMGR, 3-hydroxy-3-methylglutaryl-CoA reductase; HMOX1, heme oxygenase 1; HNRNPU, heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A); HSPA9, heat shock 70kDa protein 9 (mortalin); HTT, huntingtin; IGSF8, immunoglobulin superfamily, member 8; IREB2, iron-responsive element binding protein 2; LARP4, La ribonucleoprotein domain family, member 4; LSS, lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase); MAPK8IP1, mitogen-activated protein kinase 8 interacting protein 1; MFN1, mitofusin 1; MTHFR, methylenetetrahydrofolate reductase (NAD(P)H); MTRR, 5-methyltetrahydrofolate-homocysteine methyltransferase reductase; MYH11, myosin, heavy chain 11, smooth muscle; NBAS, neuroblastoma amplified sequence; NR3C1, nuclear receptor subfamily 3, group C, member 1

(glucocorticoid receptor); NRXN1, neurexin 1; OPA1, optic atrophy 1 (autosomal dominant); OSBPL10, oxysterol binding protein-like 10; PAK1, p21 protein (Cdc42/Rac)-activated kinase 1; PAXIP1, PAX interacting (with transcription-activation domain) protein 1; PCNA, proliferating cell nuclear antigen; PGR, progesterone receptor; POLB, polymerase (DNA directed), beta; PTGER4, prostaglandin E receptor 4 (subtype EP4); PTPRZ1, protein tyrosine phosphatase, receptor-type, Z polypeptide 1; PUM1, pumilio RNA-binding family member 1; RAB6A, RAB6A, member RAS oncogene family; ROCK2, Rho-associated, coiled-coil containing protein kinase 2; RTN3, reticulon 3; RTN4R, reticulon 4 receptor; S100B, S100 calcium binding protein B; SC5D, sterol-C5-desaturase; SCD, stearoyl-CoA desaturase (delta-9-desaturase); SLC6A3, solute carrier family 6 (neurotransmitter transporter), member 3; SOD1, superoxide dismutase 1, soluble; SORL1, sortilin-related receptor, L(DLR class) A repeats containing; SPTLC1, serine palmitoyltransferase, long chain base subunit 1; SREBF2, sterol regulatory element binding transcription factor 2; SRF, serum response factor (c-fos serum response element-binding transcription factor); STX2, syntaxin 2; TGM1, transglutaminase 1; TGM2, transglutaminase 2; TSHZ1, teashirt zinc finger homeobox 1; VEGFA, vascular endothelial growth factor A; XPO7, exportin 7

Supplementary Information Table 1. Annotated genes altered in aged adult female zebrafish brain exposed to 10 µg/L Pb during embryogenesis.

Symbol	Probe ID	Expression Fold Change	Log ₂ Expression Ratio	p-Value
<i>A2M</i>	A_15_P309636	-2.089	-1.063	4.37E-02
<i>AACS</i>	A_15_P414795	-2.178	-1.123	4.21E-03
<i>ABAT</i>	A_15_P108929	-2.200	-1.137	2.37E-02
<i>ABCA1</i>	A_15_P533082	1.920	0.941	2.04E-02
	A_15_P452790	2.672	1.418	1.83E-02
<i>ABCA3</i>	A_15_P347190	2.084	1.059	2.37E-02
<i>ABCC10</i>	A_15_P492704	2.803	1.487	4.24E-02
<i>ABCC8</i>	A_15_P535717	1.801	0.849	1.88E-02
<i>ABCF1</i>	A_15_P729266	-1.587	-0.667	1.65E-02
	A_15_P503397	-1.656	-0.727	1.33E-02
<i>ABCF2</i>	A_15_P623931	-1.742	-0.801	3.19E-02
<i>ABCG4</i>	A_15_P111605	-2.203	-1.139	5.00E-02
<i>ABHD14B</i>	A_15_P613857	-2.717	-1.442	9.70E-03
<i>ABI1</i>	A_15_P496887	1.820	0.864	1.60E-02
	A_15_P111016	2.302	1.203	2.58E-03
	A_15_P724471	1.778	0.830	1.34E-02
	A_15_P660696	1.624	0.699	1.05E-02
<i>ABI3BP</i>	A_15_P719151	2.282	1.190	1.07E-02
<i>ABLIM1</i>	A_15_P197896	2.235	1.160	8.85E-03
<i>ACACA</i>	A_15_P399860	-2.018	-1.013	7.39E-03
<i>ACAD9</i>	A_15_P179836	-1.649	-0.722	1.71E-02
<i>ACAN</i>	A_15_P113268	2.511	1.329	4.50E-02
<i>ACAP3</i>	A_15_P460881	1.928	0.947	1.22E-02
<i>ACIN1</i>	A_15_P731456	-2.133	-1.093	2.27E-02
	A_15_P528802	-2.192	-1.132	2.81E-02
<i>ACLY</i>	A_15_P166476	-1.568	-0.649	7.66E-03
<i>ACO1</i>	A_15_P145346	-1.684	-0.752	2.97E-02
	A_15_P192751	-1.561	-0.643	3.45E-02
<i>ACOT9</i>	A_15_P666416	-1.625	-0.701	5.88E-03
<i>ACOX3</i>	A_15_P675659	-1.511	-0.595	1.36E-02
	A_15_P727691	-1.905	-0.930	1.47E-02
	A_15_P578597	-1.760	-0.815	2.14E-03
<i>ACSL6</i>	A_15_P544562	-1.573	-0.653	4.65E-02
<i>ACTA1</i>	A_15_P341805	2.798	1.484	3.47E-02
<i>ACTB</i>	A_15_P541707	1.548	0.630	1.47E-02
<i>ACTG1</i>	A_15_P119825	2.272	1.184	2.60E-02
<i>ACTN4</i>	A_15_P461920	2.713	1.440	6.18E-03
	A_15_P154851	1.589	0.668	1.59E-02
<i>ACTR1B</i>	A_15_P158361	1.538	0.621	1.67E-02
<i>ACTR6</i>	A_15_P102155	-1.748	-0.806	1.71E-03
	A_15_P623521	-1.787	-0.838	6.32E-03
<i>ACVRL1</i>	A_15_P664971	-1.829	-0.871	3.35E-03
	A_15_P608472	-1.580	-0.660	7.62E-03
<i>ADAM10</i>	A_15_P111122	-2.374	-1.247	5.87E-03
	A_15_P719596	1.711	0.775	2.04E-02
	A_15_P441765	2.251	1.171	1.75E-02
	A_15_P576457	1.628	0.703	2.21E-02
<i>ADAMTSL3</i>	A_15_P145246	2.860	1.516	1.27E-02
<i>ADCY1</i>	A_15_P551767	2.421	1.276	3.87E-02
<i>ADCYAP1</i>	A_15_P630641	-1.634	-0.708	4.90E-02

	A_15_P347275	-1.866	-0.900	1.93E-02
<i>ADCYAP1R1</i>	A_15_P201096	-1.935	-0.953	2.07E-02
<i>ADGRG1</i>	A_15_P164066	-1.958	-0.970	1.25E-02
<i>ADGRL3</i>	A_15_P200296	-2.307	-1.206	9.53E-04
	A_15_P332634	-1.528	-0.612	4.45E-02
<i>ADIPOR2</i>	A_15_P545658	-1.901	-0.927	1.72E-03
<i>ADK</i>	A_15_P687771	-1.733	-0.793	1.73E-02
<i>ADM</i>	A_15_P168031	-2.518	-1.332	4.62E-02
<i>ADNP</i>	A_15_P417900	-1.677	-0.746	4.98E-02
<i>ADO</i>	A_15_P111812	-1.603	-0.681	2.02E-02
<i>ADPRHL1</i>	A_15_P153601	3.936	1.977	7.27E-03
<i>AFF2</i>	A_15_P553487	-1.641	-0.715	5.03E-03
<i>AFTPH</i>	A_15_P630386	1.935	0.952	3.83E-02
<i>AGBL5</i>	A_15_P194066	1.517	0.601	5.51E-03
<i>AGFG1</i>	A_15_P198471	-1.845	-0.884	2.25E-03
<i>AHCY</i>	A_15_P461855	-1.530	-0.614	4.64E-02
<i>AHI1</i>	A_15_P154081	-1.793	-0.842	2.02E-02
<i>AIF1L</i>	A_15_P691731	-2.195	-1.134	2.86E-02
	A_15_P162201	-1.614	-0.691	7.63E-03
<i>AIFM1</i>	A_15_P565137	3.461	1.791	7.68E-03
<i>AK7</i>	A_15_P109555	-2.647	-1.405	2.60E-02
<i>AKAP11</i>	A_15_P491677	1.741	0.800	1.93E-02
<i>AKAP9</i>	A_15_P505122	3.124	1.643	4.58E-02
	A_15_P552137	1.515	0.599	1.24E-02
	A_15_P538602	1.517	0.601	2.97E-02
<i>AKR1B1</i>	A_15_P153001	-1.644	-0.717	1.75E-02
	A_15_P118161	-1.580	-0.660	1.62E-02
<i>AKTIP</i>	A_15_P744866	-1.660	-0.731	3.42E-02
<i>ALAD</i>	A_15_P720861	-1.770	-0.824	2.13E-02
	A_15_P112185	-1.612	-0.689	1.05E-02
	A_15_P366565	-1.750	-0.807	3.79E-02
<i>ALAS1</i>	A_15_P160186	2.132	1.092	1.39E-02
<i>ALCAM</i>	A_15_P637656	-1.685	-0.753	2.73E-02
<i>ALDH16A1</i>	A_15_P502927	2.033	1.024	1.53E-02
<i>ALDH3A2</i>	A_15_P724101	-1.542	-0.625	1.91E-02
<i>ALDH9A1</i>	A_15_P285571	-1.757	-0.813	3.87E-02
<i>ALDOB</i>	A_15_P130317	1.701	0.767	3.58E-02
<i>ALG11</i>	A_15_P100918	-1.798	-0.847	5.65E-04
<i>ALG14</i>	A_15_P308941	-1.882	-0.912	1.36E-02
<i>ALG8</i>	A_15_P627066	-1.647	-0.720	2.66E-03
<i>ALK</i>	A_15_P485165	2.880	1.526	1.37E-02
<i>ALKBH7</i>	A_15_P110291	-1.985	-0.989	9.16E-03
<i>ALMS1</i>	A_15_P545487	-1.872	-0.905	2.50E-02
<i>AMD1</i>	A_15_P614531	2.129	1.090	2.40E-02
	A_15_P191551	1.823	0.866	1.74E-02
	A_15_P100147	2.182	1.126	4.77E-02
<i>AMDHD2</i>	A_15_P516282	1.573	0.653	3.49E-03
<i>AMOTL2</i>	A_15_P751681	2.432	1.282	2.38E-03
<i>AMPD1</i>	A_15_P105123	10.316	3.367	4.08E-02
<i>AMPD3</i>	A_15_P145394	2.306	1.206	3.82E-02
<i>ANGPTL5</i>	A_15_P180551	-1.591	-0.670	3.37E-02
<i>ANK2</i>	A_15_P211271	-1.753	-0.810	1.41E-02
	A_15_P163406	-1.546	-0.628	2.33E-02
<i>ANKRD10</i>	A_15_P116762	-1.572	-0.652	2.72E-03

<i>ANKRD28</i>	A_15_P406150	1.884	0.914	3.73E-02
<i>ANKRD54</i>	A_15_P100329	-1.545	-0.628	1.88E-02
<i>ANKRD6</i>	A_15_P240226	1.555	0.637	4.67E-02
<i>ANKRD9</i>	A_15_P107762	-1.636	-0.710	3.21E-03
<i>ANLN</i>	A_15_P102651	-1.805	-0.852	4.35E-02
<i>ANO3</i>	A_15_P135801	4.396	2.136	7.75E-03
<i>ANO6</i>	A_15_P236761	1.775	0.828	4.77E-02
<i>ANP32B</i>	A_15_P721891	-1.784	-0.835	4.93E-02
<i>ANXA13</i>	A_15_P119853	-1.801	-0.849	2.44E-02
	A_15_P113299	-1.784	-0.835	4.80E-02
	A_15_P114826	-1.699	-0.765	4.07E-02
<i>AP1S1</i>	A_15_P266441	-1.581	-0.661	3.83E-02
<i>AP2M1</i>	A_15_P668293	1.523	0.606	2.00E-02
<i>AP5S1</i>	A_15_P412970	-1.732	-0.793	1.66E-03
<i>APBA2</i>	A_15_P302076	1.775	0.828	2.94E-02
<i>APEX1</i>	A_15_P278451	-2.028	-1.020	3.01E-02
<i>API5</i>	A_15_P136951	-1.760	-0.815	3.33E-04
	A_15_P446465	-1.654	-0.726	1.75E-02
<i>APITD1</i>	A_15_P186051	-1.642	-0.716	2.92E-02
	A_15_P766041	-1.545	-0.628	3.47E-02
	A_15_P118152	-1.512	-0.596	2.06E-02
<i>APLN</i>	A_15_P632656	-1.567	-0.648	4.11E-02
<i>APLP2</i>	A_15_P278326	2.091	1.064	4.52E-03
<i>APOE</i>	A_15_P746986	1.839	0.879	4.94E-02
<i>APP</i>	A_15_P645791	1.767	0.821	1.38E-02
	A_15_P443870	1.856	0.892	3.29E-02
	A_15_P655926	1.704	0.769	3.84E-02
	A_15_P219381	1.640	0.713	4.01E-02
	A_15_P763436	1.898	0.925	5.40E-03
<i>APTX</i>	A_15_P104620	-2.096	-1.068	3.39E-02
<i>AQR</i>	A_15_P203446	1.919	0.940	2.16E-05
	A_15_P398980	2.015	1.011	5.78E-03
<i>AR</i>	A_15_P363595	1.910	0.934	5.00E-02
<i>ARF1</i>	A_15_P108093	-1.523	-0.607	9.09E-03
<i>ARF3</i>	A_15_P638706	-1.628	-0.703	1.44E-02
	A_15_P120890	-1.933	-0.951	9.38E-03
<i>ARHGEF1</i>	A_15_P117937	2.009	1.006	2.29E-02
<i>ARHGAP11A</i>	A_15_P114423	-2.493	-1.318	5.52E-03
<i>ARHGAP27</i>	A_15_P267576	-1.783	-0.835	3.56E-02
<i>ARHGEF1</i>	A_15_P392040	-2.132	-1.092	3.44E-03
<i>ARHGEF11</i>	A_15_P635401	1.621	0.697	2.25E-02
<i>ARHGEF39</i>	A_15_P256296	1.506	0.590	4.68E-02
<i>ARHGEF7</i>	A_15_P201406	-1.502	-0.587	1.90E-02
<i>ARID1A</i>	A_15_P245411	1.671	0.741	3.28E-02
<i>ARID1B</i>	A_15_P191621	1.538	0.621	4.42E-02
<i>ARID3B</i>	A_15_P495792	33.519	5.067	7.63E-03
<i>ARID5B</i>	A_15_P342105	1.731	0.792	3.17E-02
<i>ARL13B</i>	A_15_P134501	-1.804	-0.851	1.18E-02
<i>ARL14EP</i>	A_15_P118454	-1.727	-0.788	3.48E-02
<i>ARL2BP</i>	A_15_P117495	-2.281	-1.190	6.40E-03
	A_15_P654671	-1.579	-0.659	4.47E-03
<i>ARL4C</i>	A_15_P174756	-1.572	-0.653	1.76E-02
<i>ARL6</i>	A_15_P440565	-1.991	-0.994	3.29E-02
<i>ARL6IP5</i>	A_15_P169336	-1.592	-0.671	3.71E-02

ARMC4	A_15_P376200	3.665	1.874	4.04E-02
ARNT2	A_15_P102463	1.720	0.782	1.54E-02
	A_15_P194796	1.607	0.684	1.16E-02
ARPC4	A_15_P118217	-1.551	-0.633	1.05E-02
ARPC5	A_15_P119657	-1.552	-0.634	3.08E-02
	A_15_P647191	-1.572	-0.653	1.44E-02
ARRB2	A_15_P116117	-1.767	-0.821	1.97E-02
ARRDC3	A_15_P419295	1.681	0.749	2.49E-03
	A_15_P504717	2.211	1.144	5.89E-04
ASB13	A_15_P104961	-1.560	-0.642	1.39E-02
ASB7	A_15_P113199	2.016	1.012	9.36E-03
ASCL1	A_15_P176556	-1.780	-0.832	4.11E-02
ASH1L	A_15_P431115	1.889	0.918	3.05E-02
	A_15_P512032	1.570	0.651	5.74E-03
	A_15_P101269	2.951	1.561	2.32E-03
ASIC2	A_15_P622636	2.047	1.033	1.16E-02
	A_15_P187826	1.807	0.853	1.87E-02
	A_15_P130211	-1.526	-0.609	4.53E-02
ASPA	A_15_P437735	1.670	0.740	2.61E-02
ASPHD2	A_15_P130781	-2.058	-1.041	4.46E-02
	A_15_P664206	-2.690	-1.428	2.48E-02
ASPM	A_15_P673891	1.592	0.671	1.47E-02
	A_15_P130182	2.791	1.481	1.33E-02
ASTN1	A_15_P585207	1.604	0.682	2.41E-02
ATCAY	A_15_P485237	-1.542	-0.625	4.70E-02
ATF7	A_15_P183711	-1.701	-0.766	4.75E-02
ATG5	A_15_P729966	-2.104	-1.073	9.24E-04
	A_15_P119333	-2.149	-1.104	3.54E-02
ATP11C	A_15_P190991	1.580	0.660	3.17E-02
ATP1A1	A_15_P121133	2.771	1.470	2.55E-02
ATP1B1	A_15_P729261	-2.176	-1.122	7.11E-03
	A_15_P135196	-2.043	-1.031	1.21E-02
	A_15_P442765	-2.808	-1.489	2.74E-02
ATP2A1	A_15_P381015	14.813	3.889	4.99E-02
	A_15_P104804	17.321	4.114	4.70E-02
	A_15_P450170	20.926	4.387	3.95E-02
ATP2B1	A_15_P106663	1.592	0.671	1.62E-02
ATP2B2	A_15_P435620	1.577	0.657	2.73E-02
	A_15_P521282	1.945	0.959	3.22E-02
ATP2B3	A_15_P339835	1.546	0.629	1.85E-02
	A_15_P210716	2.406	1.267	3.29E-03
	A_15_P189036	1.605	0.683	4.16E-02
ATP5SL	A_15_P410080	-1.527	-0.611	1.24E-02
ATP6AP1	A_15_P175446	-1.683	-0.751	4.02E-02
ATP6VOA2	A_15_P236631	-1.683	-0.751	3.45E-02
ATP6V1B2	A_15_P108939	-1.528	-0.612	4.58E-02
ATP6V1E1	A_15_P211946	-3.910	-1.967	3.19E-02
	A_15_P664336	-4.226	-2.079	2.98E-02
AVPR1A	A_15_P159011	-1.545	-0.628	4.24E-02
B3GALT2	A_15_P494947	1.683	0.751	4.63E-02
B3GNT2	A_15_P116745	3.745	1.905	1.90E-02
B4GALT6	A_15_P643486	-1.896	-0.923	4.57E-03
	A_15_P459585	-2.023	-1.017	1.25E-02
B9D1	A_15_P103552	-2.013	-1.009	2.73E-03

<i>BACE1</i>	A_15_P639466	1.761	0.816	2.15E-02
<i>BACH2</i>	A_15_P378925	1.568	0.649	2.46E-02
<i>BAD</i>	A_15_P117699	-1.771	-0.824	1.32E-02
	A_15_P114920	-2.041	-1.029	2.27E-04
	A_15_P112386	-1.557	-0.639	1.32E-02
<i>BAHCC1</i>	A_15_P301396	2.859	1.515	4.55E-02
<i>BAIAP2L1</i>	A_15_P209921	-1.594	-0.673	8.22E-03
<i>BAZ2A</i>	A_15_P230126	2.132	1.092	1.46E-02
<i>BAZ2B</i>	A_15_P749971	1.719	0.782	4.45E-02
<i>BBS4</i>	A_15_P136156	-2.020	-1.014	2.72E-02
<i>BBS7</i>	A_15_P109983	-1.570	-0.650	5.67E-03
<i>BCAR1</i>	A_15_P167746	2.449	1.292	7.45E-03
<i>BCAR3</i>	A_15_P245946	-1.563	-0.644	4.59E-02
<i>BCL11B</i>	A_15_P246956	3.479	1.799	3.11E-02
<i>BCL7A</i>	A_15_P754416	-1.529	-0.612	4.10E-02
	A_15_P104385	-1.674	-0.744	4.06E-02
	A_15_P513092	-1.603	-0.681	8.47E-03
<i>BEND3</i>	A_15_P643081	-1.593	-0.672	3.77E-02
<i>BFSP2</i>	A_15_P753306	-1.778	-0.831	3.96E-02
<i>BHLHE22</i>	A_15_P105549	-1.756	-0.812	3.16E-02
<i>BHMT</i>	A_15_P195441	2.368	1.244	3.48E-02
<i>BLMH</i>	A_15_P120743	-1.733	-0.793	1.22E-02
<i>BLOC1S5</i>	A_15_P635639	-1.506	-0.591	9.93E-03
<i>BLVRB</i>	A_15_P659516	-1.722	-0.784	1.98E-03
	A_15_P149371	-1.729	-0.790	3.88E-02
<i>BMP1</i>	A_15_P349385	1.888	0.917	4.68E-02
<i>BOK</i>	A_15_P109351	-2.045	-1.032	3.81E-02
<i>BORA</i>	A_15_P629821	-2.185	-1.128	2.37E-02
<i>BPNT1</i>	A_15_P173371	-1.541	-0.624	1.06E-03
	A_15_P105468	-1.556	-0.638	2.58E-03
<i>BRCA2</i>	A_15_P661421	-1.746	-0.804	1.63E-02
	A_15_P622366	-1.899	-0.926	1.65E-02
<i>BRD2</i>	A_15_P104430	1.659	0.730	2.54E-02
<i>BRINP2</i>	A_15_P117791	-2.023	-1.017	1.56E-02
<i>BRPF3</i>	A_15_P220001	1.769	0.823	2.37E-02
<i>BTBD2</i>	A_15_P482820	1.747	0.805	3.54E-02
<i>BTG1</i>	A_15_P606627	-1.917	-0.939	4.94E-02
<i>BUD13</i>	A_15_P377170	-1.518	-0.602	1.40E-02
<i>C10orf88</i>	A_15_P419715	-2.173	-1.120	2.09E-02
<i>C11orf58</i>	A_15_P297436	-1.505	-0.590	3.97E-02
<i>C12orf4</i>	A_15_P163101	-1.913	-0.936	4.43E-02
<i>C12orf65</i>	A_15_P625321	-1.514	-0.599	3.58E-02
<i>C12orf73</i>	A_15_P136426	-2.717	-1.442	2.25E-02
<i>C15orf59</i>	A_15_P552817	1.903	0.928	1.04E-02
	A_15_P224196	2.261	1.177	7.49E-04
<i>C17orf85</i>	A_15_P115674	-1.682	-0.750	2.64E-03
<i>C1GALT1</i>	A_15_P272341	1.670	0.740	4.51E-02
<i>C1orf106</i>	A_15_P189421	-1.778	-0.830	4.05E-02
	A_15_P734436	-1.640	-0.714	3.67E-02
<i>C1orf159</i>	A_15_P134186	-2.189	-1.130	2.37E-02
<i>C1orf21</i>	A_15_P114856	-1.606	-0.683	2.66E-02
<i>C3orf14</i>	A_15_P678656	-1.714	-0.777	3.30E-02
<i>C5orf28</i>	A_15_P116614	1.707	0.772	3.87E-02
<i>C5orf30</i>	A_15_P631526	1.800	0.848	2.79E-02

<i>C6orf89</i>	A_15_P169391	1.574	0.654	4.05E-02
<i>C9orf9</i>	A_15_P151276	-2.044	-1.032	2.96E-02
<i>CA13</i>	A_15_P117753	-2.166	-1.115	2.69E-03
	A_15_P107954	-1.592	-0.671	2.62E-02
	A_15_P599927	-1.632	-0.707	1.53E-02
	A_15_P687071	-1.708	-0.772	1.29E-02
<i>CA2</i>	A_15_P285846	-1.728	-0.789	4.34E-02
<i>CA9</i>	A_15_P296566	-2.180	-1.124	4.78E-02
<i>CABIN1</i>	A_15_P214841	-1.591	-0.670	3.82E-02
<i>CACNA1C</i>	A_15_P237136	1.973	0.981	3.64E-02
<i>CACNA1E</i>	A_15_P672704	2.044	1.032	1.68E-03
	A_15_P220516	1.632	0.706	9.64E-03
<i>CACNA1H</i>	A_15_P472180	1.867	0.901	1.02E-02
<i>CACNB2</i>	A_15_P100019	-2.455	-1.296	2.02E-02
<i>CACNB4</i>	A_15_P297541	1.853	0.890	1.90E-02
	A_15_P679646	1.890	0.919	4.25E-02
<i>CACNG5</i>	A_15_P500147	1.570	0.651	1.67E-02
<i>CACYBP</i>	A_15_P109742	-1.515	-0.599	3.66E-02
	A_15_P143361	-1.711	-0.775	2.09E-02
<i>CADM2</i>	A_15_P236176	-1.633	-0.708	3.29E-02
	A_15_P624621	-1.569	-0.649	2.49E-02
<i>CALD1</i>	A_15_P259751	-1.635	-0.709	3.11E-02
<i>CALHM1</i>	A_15_P268641	-2.232	-1.158	1.24E-03
<i>CALR</i>	A_15_P189106	-2.100	-1.070	8.11E-03
<i>CALR3</i>	A_15_P382735	-1.626	-0.702	3.38E-02
	A_15_P751936	-1.612	-0.689	3.15E-02
<i>CALY</i>	A_15_P518227	-1.831	-0.873	4.22E-02
<i>CAMK2B</i>	A_15_P146066	1.601	0.679	1.17E-02
<i>CAMK2G</i>	A_15_P432765	-1.738	-0.797	2.56E-03
<i>CAMK2N2</i>	A_15_P628146	-1.511	-0.595	8.16E-03
<i>CAMSAP1</i>	A_15_P180366	2.164	1.113	3.80E-02
<i>CAND1</i>	A_15_P209351	-1.711	-0.775	1.18E-03
<i>CANT1</i>	A_15_P112172	-1.798	-0.847	4.35E-02
<i>CAPN1</i>	A_15_P622331	-1.743	-0.801	2.12E-02
	A_15_P285396	-1.674	-0.743	3.99E-02
<i>CAPZA1</i>	A_15_P116774	-1.778	-0.830	1.97E-02
	A_15_P186101	-1.777	-0.829	1.31E-02
	A_15_P377630	-1.999	-0.999	5.49E-03
	A_15_P194136	-1.595	-0.674	1.89E-02
	A_15_P569927	-1.704	-0.769	2.11E-02
<i>CASC5</i>	A_15_P158987	-1.636	-0.710	3.37E-02
<i>CASP3</i>	A_15_P105110	-1.616	-0.693	1.19E-02
<i>CBLB</i>	A_15_P100030	-1.800	-0.848	1.56E-03
<i>CBLL1</i>	A_15_P136466	1.680	0.749	4.67E-02
<i>CBLN1</i>	A_15_P367255	-1.653	-0.725	3.60E-02
	A_15_P167956	-2.034	-1.024	1.04E-02
	A_15_P721471	-1.694	-0.761	3.88E-02
<i>CBS</i>	A_15_P607742	1.766	0.821	2.85E-02
	A_15_P171356	-2.260	-1.177	3.71E-02
<i>CBX8</i>	A_15_P103796	-1.779	-0.831	4.88E-02
	A_15_P187161	1.697	0.763	2.31E-03
<i>CBY1</i>	A_15_P108820	-2.517	-1.332	4.88E-02
<i>CCDC12</i>	A_15_P671391	-1.619	-0.695	2.13E-02
	A_15_P386025	-1.549	-0.631	2.71E-02

<i>CCDC120</i>	A_15_P265731	2.476	1.308	1.43E-02
<i>CCDC146</i>	A_15_P437365	-1.778	-0.831	9.52E-03
	A_15_P169326	-2.089	-1.063	2.58E-03
<i>CCDC15</i>	A_15_P243461	-1.537	-0.620	1.71E-02
<i>CCDC170</i>	A_15_P210171	-2.470	-1.305	6.44E-04
<i>CCDC18</i>	A_15_P288381	-1.888	-0.917	1.31E-03
<i>CCDC180</i>	A_15_P147266	-1.876	-0.907	3.60E-02
<i>CCDC24</i>	A_15_P194386	-1.946	-0.960	2.30E-02
<i>CCDC79</i>	A_15_P103996	-2.160	-1.111	5.39E-03
<i>CCDC84</i>	A_15_P164446	-1.634	-0.709	6.33E-06
<i>CCDC89</i>	A_15_P297756	-1.748	-0.805	1.91E-02
<i>CCDC9</i>	A_15_P176162	-1.621	-0.697	1.46E-02
<i>CCDC96</i>	A_15_P727066	-1.925	-0.945	2.71E-02
<i>CCNA2</i>	A_15_P624076	-1.720	-0.782	3.56E-02
<i>CCND1</i>	A_15_P132186	-1.512	-0.597	1.17E-02
	A_15_P152542	-2.008	-1.005	2.68E-02
<i>CCND2</i>	A_15_P142436	-2.397	-1.261	2.33E-02
<i>CCNT2</i>	A_15_P118694	-1.849	-0.887	1.25E-03
<i>CCSER2</i>	A_15_P555132	-2.838	-1.505	4.53E-02
<i>CCT4</i>	A_15_P600542	-1.700	-0.765	1.30E-02
	A_15_P100442	-1.715	-0.778	2.42E-02
	A_15_P734771	-1.692	-0.759	2.19E-02
<i>CCT7</i>	A_15_P740906	-1.839	-0.879	2.71E-02
	A_15_P509547	-2.549	-1.350	3.00E-02
<i>CCZ1</i>	A_15_P720201	-1.508	-0.593	3.42E-02
<i>CD151</i>	A_15_P100467	-3.328	-1.735	2.86E-02
	A_15_P772236	-2.113	-1.079	1.50E-02
	A_15_P106252	-2.096	-1.068	4.23E-03
<i>CD81</i>	A_15_P754411	-1.699	-0.765	4.13E-02
	A_15_P536662	-1.769	-0.823	3.34E-02
	A_15_P564847	-2.284	-1.192	3.32E-02
<i>CD82</i>	A_15_P602167	-2.181	-1.125	2.75E-02
	A_15_P331834	-1.663	-0.733	1.82E-02
<i>CD99L2</i>	A_15_P101501	-1.656	-0.728	1.92E-02
	A_15_P116214	-1.645	-0.718	1.33E-02
	A_15_P721581	-1.821	-0.865	5.15E-03
	A_15_P195401	-1.678	-0.747	4.32E-02
	A_15_P343975	-1.673	-0.742	9.80E-03
<i>CDADC1</i>	A_15_P101569	-2.013	-1.010	5.00E-02
<i>CDC16</i>	A_15_P321206	-1.576	-0.656	4.83E-02
<i>CDC25A</i>	A_15_P413270	-4.429	-2.147	4.74E-02
<i>CDC27</i>	A_15_P110890	1.793	0.843	4.24E-02
<i>CDC42BPB</i>	A_15_P109690	1.690	0.757	3.54E-03
<i>CDC42SE1</i>	A_15_P120964	-1.758	-0.814	1.87E-02
<i>CDC42SE2</i>	A_15_P630511	1.503	0.588	4.08E-02
<i>CDC73</i>	A_15_P408370	-1.572	-0.652	2.53E-02
<i>CDCA8</i>	A_15_P732617	-1.705	-0.770	2.99E-02
	A_15_P112683	-2.098	-1.069	6.43E-03
<i>CDH7</i>	A_15_P154631	2.887	1.530	7.41E-03
<i>CDK1</i>	A_15_P306636	-2.031	-1.022	1.23E-02
	A_15_P100423	-2.028	-1.020	1.99E-02
<i>CDK11A</i>	A_15_P440280	-1.664	-0.735	3.19E-02
	A_15_P174746	1.739	0.798	1.51E-02
<i>CDK15</i>	A_15_P149061	-2.699	-1.433	1.47E-03

<i>CDKAL1</i>	A_15_P443135	1.622	0.698	4.55E-02
	A_15_P153796	2.096	1.068	8.26E-04
	A_15_P112845	1.632	0.707	2.39E-02
<i>CDKN1C</i>	A_15_P111942	-1.798	-0.847	4.69E-03
<i>CENPT</i>	A_15_P672173	-1.992	-0.994	2.98E-02
<i>CEP44</i>	A_15_P383250	-1.907	-0.931	4.46E-02
<i>CEP55</i>	A_15_P120178	-1.713	-0.776	2.70E-02
<i>CEP76</i>	A_15_P203806	-1.880	-0.911	1.20E-02
	A_15_P743906	-1.588	-0.667	2.80E-02
<i>CEP97</i>	A_15_P207406	1.514	0.599	2.46E-02
<i>CERS2</i>	A_15_P255691	-1.733	-0.793	3.23E-02
<i>CETN3</i>	A_15_P677776	-1.522	-0.606	3.95E-02
<i>CFAP43</i>	A_15_P119901	-2.448	-1.292	1.39E-02
<i>CFAP45</i>	A_15_P157271	-2.051	-1.037	3.01E-02
	A_15_P161421	-3.059	-1.613	1.18E-02
	A_15_P657391	-1.708	-0.772	3.50E-02
<i>CFAP58</i>	A_15_P113343	-2.510	-1.328	3.68E-02
<i>CGN</i>	A_15_P622401	-1.839	-0.879	2.74E-02
<i>CHAC1</i>	A_15_P114147	-1.710	-0.774	4.07E-02
<i>CHAC2</i>	A_15_P109452	-1.505	-0.589	4.13E-02
<i>CHAF1A</i>	A_15_P512342	-2.008	-1.006	1.00E-02
	A_15_P113857	-2.444	-1.289	4.65E-03
	A_15_P656991	-1.522	-0.606	2.62E-02
<i>CHAF1B</i>	A_15_P114028	-3.202	-1.679	4.07E-02
<i>CHD3</i>	A_15_P178581	-1.597	-0.676	1.46E-02
<i>CHD4</i>	A_15_P257171	-1.593	-0.672	3.32E-02
<i>CHD5</i>	A_15_P177396	-1.704	-0.769	1.54E-02
<i>CHGA</i>	A_15_P192381	-1.639	-0.713	8.54E-03
<i>CHP2</i>	A_15_P274341	-2.062	-1.044	4.21E-02
<i>CHRM2</i>	A_15_P140116	-1.502	-0.587	4.40E-02
<i>CHRNA9</i>	A_15_P190376	2.109	1.077	2.50E-02
<i>CHST8</i>	A_15_P521397	-1.702	-0.767	2.54E-02
<i>CHTOP</i>	A_15_P496137	-2.756	-1.462	4.77E-02
	A_15_P170201	-2.009	-1.006	2.05E-02
<i>CIT</i>	A_15_P584212	2.329	1.220	2.33E-02
	A_15_P768149	1.585	0.664	1.63E-02
<i>CKAP5</i>	A_15_P176616	1.638	0.712	3.69E-02
<i>CKB</i>	A_15_P105046	1.996	0.997	1.81E-02
<i>CKM</i>	A_15_P280781	11.656	3.543	2.24E-02
	A_15_P107600	-2.054	-1.038	1.30E-03
	A_15_P743566	10.139	3.342	3.47E-02
	A_15_P716086	30.267	4.920	1.55E-02
	A_15_P417035	2.766	1.468	7.13E-04
	A_15_P103741	18.746	4.229	3.54E-02
	A_15_P397750	22.015	4.460	2.49E-02
<i>CKMT2</i>	A_15_P192711	1.888	0.917	4.35E-02
<i>CLASP2</i>	A_15_P100068	1.608	0.686	3.59E-02
<i>CLCN7</i>	A_15_P659676	-1.654	-0.726	1.41E-02
<i>CLN5</i>	A_15_P200046	-2.311	-1.209	3.76E-03
<i>CLPX</i>	A_15_P108737	2.499	1.321	9.55E-04
	A_15_P598792	2.682	1.423	8.95E-04
<i>CLSTN1</i>	A_15_P111698	1.542	0.624	2.60E-02
	A_15_P183661	2.204	1.140	2.21E-03
<i>CMSS1</i>	A_15_P120941	-2.038	-1.027	1.72E-03

<i>CMTM4</i>	A_15_P289521	-1.503	-0.588	3.39E-02
<i>CMTM8</i>	A_15_P620781	-1.638	-0.712	4.19E-02
<i>CNBP</i>	A_15_P504262	-1.520	-0.604	4.98E-03
<i>CNIH1</i>	A_15_P103577	-1.698	-0.764	2.81E-02
	A_15_P365715	-1.758	-0.814	3.52E-02
<i>CNN3</i>	A_15_P112885	-2.574	-1.364	3.13E-02
<i>CNOT1</i>	A_15_P133211	1.811	0.857	3.93E-02
<i>CNOT11</i>	A_15_P528377	2.191	1.132	4.77E-02
<i>CNOT6</i>	A_15_P112535	1.720	0.783	4.78E-02
<i>CNR1</i>	A_15_P206081	2.515	1.331	1.86E-02
<i>COG7</i>	A_15_P580087	2.656	1.409	4.83E-02
<i>COIL</i>	A_15_P623686	-1.602	-0.680	7.10E-03
	A_15_P114544	-1.538	-0.621	1.52E-02
<i>COL10A1</i>	A_15_P223226	6.170	2.625	3.40E-02
	A_15_P661781	10.567	3.401	2.16E-02
	A_15_P681766	13.323	3.736	3.96E-02
	A_15_P130226	16.527	4.047	2.57E-02
	A_15_P108588	14.806	3.888	1.46E-02
	A_15_P721941	7.829	2.969	4.74E-02
<i>COL11A1</i>	A_15_P504397	2.359	1.238	2.53E-02
<i>COL14A1</i>	A_15_P548337	1.976	0.983	1.03E-02
<i>COL1A2</i>	A_15_P462200	3.966	1.988	1.65E-02
	A_15_P113763	4.586	2.197	2.46E-02
	A_15_P118620	5.306	2.408	4.89E-02
<i>COL4A5</i>	A_15_P484155	1.805	0.852	4.34E-03
<i>COL6A3</i>	A_15_P764216	2.732	1.450	4.26E-02
<i>COLEC11</i>	A_15_P107376	-2.855	-1.513	3.71E-03
<i>COMMD3-BMI1</i>	A_15_P620996	-2.198	-1.136	2.88E-03
<i>COMMD8</i>	A_15_P496179	-1.551	-0.633	3.48E-02
<i>COQ10A</i>	A_15_P669831	-2.465	-1.301	7.57E-03
	A_15_P183821	-1.611	-0.688	4.42E-02
<i>CORO1C</i>	A_15_P453755	-1.803	-0.850	3.89E-02
	A_15_P431385	-1.926	-0.946	8.21E-03
<i>COTL1</i>	A_15_P323351	-2.525	-1.336	2.04E-02
<i>COX19</i>	A_15_P545012	-1.856	-0.892	7.80E-03
<i>CPB1</i>	A_15_P106371	-3.867	-1.951	2.84E-02
<i>CPED1</i>	A_15_P116482	-1.634	-0.709	2.33E-02
<i>CPLX1</i>	A_15_P349060	1.719	0.782	1.17E-02
<i>CPNE3</i>	A_15_P116404	-1.949	-0.963	3.15E-02
<i>CPO</i>	A_15_P245281	-1.648	-0.721	4.13E-02
<i>CPPED1</i>	A_15_P328716	-1.611	-0.688	2.38E-02
<i>CPSF4</i>	A_15_P111010	-1.657	-0.728	4.30E-02
<i>CPSF7</i>	A_15_P109490	1.850	0.888	3.96E-03
	A_15_P158721	1.866	0.900	2.87E-03
<i>CPT1A</i>	A_15_P106153	-1.882	-0.913	3.50E-02
	A_15_P142411	-1.724	-0.786	1.06E-02
<i>CREBBP</i>	A_15_P186871	1.545	0.627	2.46E-02
<i>CRELD2</i>	A_15_P743761	-1.946	-0.961	3.52E-02
	A_15_P672216	-1.505	-0.590	4.65E-04
<i>CRHBP</i>	A_15_P238406	-1.794	-0.843	3.57E-02
<i>CRK</i>	A_15_P117920	-2.232	-1.158	2.03E-02
<i>CRTC1</i>	A_15_P191906	2.156	1.108	2.05E-03
<i>CRYGN</i>	A_15_P627541	-2.221	-1.151	3.70E-03

	A_15_P130451	-1.509	-0.593	1.43E-02
<i>CRYGS</i>	A_15_P100312	-2.938	-1.555	3.82E-02
<i>CSDC2</i>	A_15_P154826	-1.663	-0.734	2.97E-02
<i>CSGALNACT1</i>	A_15_P601737	-1.557	-0.638	3.04E-02
<i>CSGALNACT2</i>	A_15_P113168	-1.633	-0.707	3.66E-02
<i>CSPP1</i>	A_15_P235566	-2.074	-1.052	1.56E-02
<i>CSRNP2</i>	A_15_P348695	-1.676	-0.745	4.43E-02
<i>CSRNP1</i>	A_15_P401745	-1.782	-0.834	2.85E-02
<i>CST3</i>	A_15_P109240	-2.238	-1.162	4.94E-03
<i>CTBP1</i>	A_15_P109936	-1.729	-0.790	2.97E-02
<i>CTBP2</i>	A_15_P203586	2.158	1.110	3.80E-02
<i>CTDP1</i>	A_15_P101571	1.657	0.729	4.44E-02
<i>CTGF</i>	A_15_P177116	2.113	1.079	1.61E-03
<i>CTNND2</i>	A_15_P156726	-1.562	-0.643	1.82E-02
<i>CTSA</i>	A_15_P759388	-1.656	-0.728	1.27E-02
	A_15_P133606	-1.610	-0.687	1.47E-02
<i>CTSC</i>	A_15_P110747	2.265	1.180	2.54E-02
<i>CUL2</i>	A_15_P550237	-1.565	-0.647	8.01E-03
<i>CUL4A</i>	A_15_P660021	1.595	0.674	2.24E-02
	A_15_P669146	1.515	0.600	2.23E-02
<i>CUL4B</i>	A_15_P191071	-1.855	-0.891	3.98E-03
<i>CWC22</i>	A_15_P749036	1.539	0.622	4.81E-02
<i>Cxorf65</i>	A_15_P405705	2.187	1.129	4.82E-02
<i>CYB561D2</i>	A_15_P101903	-2.027	-1.019	8.84E-03
<i>CYB5R2</i>	A_15_P446355	-2.301	-1.202	1.63E-02
<i>CYGB</i>	A_15_P626845	-1.501	-0.586	1.97E-02
<i>CYP11A1</i>	A_15_P101102	-2.398	-1.262	3.22E-02
<i>CYP19A1</i>	A_15_P112480	-3.341	-1.740	2.35E-02
<i>CYP1B1</i>	A_15_P631471	-2.236	-1.161	4.90E-02
	A_15_P148661	-1.745	-0.803	2.09E-02
<i>CYP24A1</i>	A_15_P226981	2.735	1.451	4.16E-02
<i>CYP26B1</i>	A_15_P132741	-1.546	-0.629	3.77E-02
	A_15_P656146	-1.689	-0.756	8.07E-03
	A_15_P734171	-2.285	-1.192	1.40E-03
<i>CYP27A1</i>	A_15_P117121	-2.052	-1.037	8.58E-04
<i>CYP2J2</i>	A_15_P116757	-3.393	-1.762	2.02E-02
<i>CYP51A1</i>	A_15_P106000	-1.645	-0.718	4.97E-02
<i>CYP8B1</i>	A_15_P111771	2.112	1.079	4.04E-02
<i>DAB1</i>	A_15_P451830	1.556	0.638	3.22E-02
<i>DAB2</i>	A_15_P551817	1.719	0.781	1.33E-02
<i>DAD1</i>	A_15_P141066	-2.096	-1.068	4.37E-02
	A_15_P199501	-1.898	-0.925	3.27E-05
	A_15_P626056	-1.877	-0.909	1.50E-03
<i>DAO</i>	A_15_P168826	-1.670	-0.740	2.95E-02
<i>DAPK3</i>	A_15_P104881	-2.073	-1.052	5.61E-03
<i>DBH</i>	A_15_P157546	-2.102	-1.072	3.18E-02
<i>DBI</i>	A_15_P118950	-2.176	-1.121	4.27E-02
	A_15_P201036	-2.091	-1.064	1.90E-03
	A_15_P627806	-1.775	-0.828	6.26E-03
	A_15_P150566	-1.807	-0.853	5.30E-03
<i>DBX1</i>	A_15_P102543	-1.961	-0.971	1.62E-02
	A_15_P625706	-2.023	-1.016	1.96E-02
<i>DCAF5</i>	A_15_P504632	1.575	0.655	3.60E-03
<i>DCDC2</i>	A_15_P106825	-3.529	-1.819	4.34E-02

	A_15_P117114	-3.744	-1.905	2.52E-02
	A_15_P720451	-4.378	-2.130	4.26E-02
<i>DCDC2B</i>	A_15_P365980	-4.461	-2.157	2.42E-02
<i>DCLK1</i>	A_15_P546657	-1.545	-0.627	3.49E-02
<i>DCTD</i>	A_15_P735451	-1.528	-0.611	3.70E-02
	A_15_P108274	-1.822	-0.865	1.46E-02
<i>DCTN3</i>	A_15_P507642	-1.531	-0.614	3.95E-02
<i>DCXR</i>	A_15_P170696	-1.771	-0.825	7.81E-03
<i>DDB1</i>	A_15_P641891	2.400	1.263	2.18E-02
<i>DDIT3</i>	A_15_P206471	-1.656	-0.728	1.47E-03
<i>DDIT4</i>	A_15_P442250	-2.179	-1.124	2.37E-03
	A_15_P194351	-1.766	-0.821	6.55E-03
	A_15_P115300	-2.165	-1.114	8.36E-03
<i>DDT</i>	A_15_P535062	-1.824	-0.867	2.45E-02
	A_15_P104107	-1.793	-0.842	2.55E-02
<i>DDX19A</i>	A_15_P661221	-2.658	-1.410	1.82E-02
	A_15_P186416	-1.752	-0.809	4.05E-02
	A_15_P711306	-1.902	-0.927	3.57E-02
	A_15_P661216	-2.680	-1.422	3.95E-02
<i>DDX19B</i>	A_15_P109542	-1.721	-0.783	1.32E-02
<i>DDX21</i>	A_15_P344750	-1.650	-0.722	4.47E-02
<i>DDX43</i>	A_15_P107666	1.633	0.708	1.60E-02
<i>DDX49</i>	A_15_P108242	-2.082	-1.058	1.82E-02
<i>DDX54</i>	A_15_P100156	1.508	0.593	3.23E-02
<i>DECR2</i>	A_15_P119292	-1.917	-0.939	1.20E-02
<i>DEDD</i>	A_15_P101348	-1.597	-0.675	3.05E-02
<i>DEK</i>	A_15_P204612	-1.593	-0.671	4.84E-02
<i>DENND2C</i>	A_15_P483990	-1.746	-0.804	3.19E-02
<i>DENND2D</i>	A_15_P217621	-2.611	-1.385	4.37E-02
	A_15_P108170	-1.810	-0.856	3.73E-02
<i>DENND3</i>	A_15_P581092	-2.218	-1.149	1.72E-02
<i>DENND4B</i>	A_15_P177901	2.117	1.082	1.14E-02
<i>DEPTOR</i>	A_15_P217041	1.557	0.639	2.78E-02
<i>DERA</i>	A_15_P149516	-1.527	-0.611	4.87E-03
<i>DES</i>	A_15_P112023	-3.311	-1.727	4.60E-02
<i>DFFB</i>	A_15_P133906	-1.598	-0.676	4.17E-03
	A_15_P119679	-1.678	-0.747	3.36E-02
<i>DFNB31</i>	A_15_P146271	-1.625	-0.700	3.02E-02
<i>DGKH</i>	A_15_P622961	1.796	0.845	4.77E-02
<i>DGKI</i>	A_15_P273036	1.531	0.614	2.87E-03
<i>DHCR24</i>	A_15_P162116	-1.772	-0.826	2.12E-02
<i>DHPS</i>	A_15_P204976	-1.828	-0.871	3.74E-02
<i>DHRS11</i>	A_15_P506752	-1.641	-0.715	2.79E-02
	A_15_P740331	-1.576	-0.656	4.69E-02
<i>DHRS13</i>	A_15_P111814	-1.520	-0.604	2.81E-02
<i>DHRS4</i>	A_15_P101345	-2.865	-1.519	4.75E-02
<i>DHTKD1</i>	A_15_P400725	1.756	0.812	2.58E-02
<i>DHX29</i>	A_15_P157371	-1.894	-0.921	2.77E-02
<i>DHX36</i>	A_15_P168256	-2.018	-1.013	2.25E-03
<i>DHX8</i>	A_15_P110464	-1.598	-0.676	2.48E-02
<i>DICER1</i>	A_15_P483945	1.613	0.690	3.67E-02
<i>DIMT1</i>	A_15_P111161	-2.143	-1.100	8.31E-03
<i>DIS3</i>	A_15_P113281	-1.977	-0.984	3.37E-02
<i>DIS3L</i>	A_15_P144396	-1.770	-0.824	9.51E-03

<i>DISP1</i>	A_15_P171656	1.852	0.889	4.89E-02
<i>DLG2</i>	A_15_P621122	-1.746	-0.804	1.03E-02
<i>DLL1</i>	A_15_P102804	-2.150	-1.105	1.62E-02
<i>DLL3</i>	A_15_P116883	-2.145	-1.101	3.40E-02
<i>DMC1</i>	A_15_P624416	-1.933	-0.951	3.46E-02
<i>DMD</i>	A_15_P336600	2.216	1.148	1.94E-02
<i>DMRTA2</i>	A_15_P101488	-1.698	-0.764	2.71E-02
<i>DNA2</i>	A_15_P299981	-1.637	-0.711	2.48E-02
<i>DNAJA2</i>	A_15_P739461	-1.841	-0.880	9.29E-03
<i>DNAJB12</i>	A_15_P214916	-1.754	-0.811	1.47E-02
<i>DNAJC15</i>	A_15_P202196	-1.576	-0.656	5.92E-03
<i>DNAJC19</i>	A_15_P106909	-1.665	-0.736	3.67E-02
<i>DNMT3B</i>	A_15_P364830	-1.711	-0.775	2.41E-02
	A_15_P542422	-1.794	-0.843	1.98E-02
<i>DNPH1</i>	A_15_P113360	1.674	0.744	4.62E-02
<i>DOCK1</i>	A_15_P622651	-2.020	-1.014	3.50E-02
<i>DOCK3</i>	A_15_P342990	1.764	0.819	9.87E-03
<i>DOPEY1</i>	A_15_P510477	1.802	0.849	2.26E-02
<i>DPAGT1</i>	A_15_P258371	-1.572	-0.653	4.06E-02
<i>DPH2</i>	A_15_P194551	-1.828	-0.870	5.69E-03
<i>DPP6</i>	A_15_P291631	-1.572	-0.653	1.37E-02
	A_15_P198396	-1.719	-0.782	3.51E-02
	A_15_P259231	1.693	0.760	3.02E-02
<i>DPY19L1</i>	A_15_P116231	1.832	0.873	1.71E-02
<i>DPY19L3</i>	A_15_P378870	1.769	0.823	4.47E-02
<i>DPYSL3</i>	A_15_P282486	1.897	0.924	1.39E-02
<i>DRD2</i>	A_15_P363870	-2.931	-1.552	7.20E-03
<i>DSG2</i>	A_15_P413705	3.862	1.949	2.38E-02
<i>DTX3</i>	A_15_P654956	-1.541	-0.624	1.51E-02
<i>DUSP1</i>	A_15_P116888	-1.628	-0.703	1.41E-02
	A_15_P108530	-1.859	-0.895	3.22E-02
<i>DUSP11</i>	A_15_P111252	-1.711	-0.775	4.78E-02
<i>DUSP16</i>	A_15_P768346	-1.764	-0.819	2.59E-02
	A_15_P566482	-1.771	-0.825	1.87E-02
<i>DUSP27</i>	A_15_P216996	2.965	1.568	3.54E-02
<i>DYNC1H1</i>	A_15_P756686	2.201	1.138	1.86E-02
	A_15_P567607	2.632	1.396	7.49E-03
<i>DYNC1I2</i>	A_15_P662321	1.551	0.633	2.27E-02
<i>DYNC1LI2</i>	A_15_P453740	-1.902	-0.927	7.79E-05
	A_15_P516627	-2.032	-1.023	2.10E-02
<i>DYNLRB1</i>	A_15_P119737	-1.580	-0.660	4.51E-02
	A_15_P102854	-1.519	-0.603	4.52E-02
<i>DYNLT3</i>	A_15_P350155	-1.502	-0.587	4.57E-02
<i>DYTN</i>	A_15_P312186	-1.511	-0.596	4.06E-02
<i>DZIP1</i>	A_15_P174961	-1.710	-0.774	4.93E-03
	A_15_P719296	-1.635	-0.709	1.12E-02
<i>DZIP1L</i>	A_15_P650711	-2.613	-1.386	3.89E-02
<i>E2F2</i>	A_15_P119932	-1.611	-0.688	1.65E-02
<i>E2F3</i>	A_15_P631421	-1.808	-0.854	4.28E-03
	A_15_P182601	-1.635	-0.709	2.27E-03
<i>E2F8</i>	A_15_P111660	-1.797	-0.846	4.41E-02
<i>EBF2</i>	A_15_P106199	-1.762	-0.817	4.59E-02
<i>EBF3</i>	A_15_P106593	-1.544	-0.626	3.48E-02
<i>EBPL</i>	A_15_P106424	-2.674	-1.419	2.50E-02

	A_15_P188281	-1.635	-0.709	8.07E-03
<i>ECD</i>	A_15_P202781	2.673	1.419	2.27E-02
<i>ECH1</i>	A_15_P152016	-1.557	-0.639	3.21E-02
<i>EDN1</i>	A_15_P114625	-1.899	-0.925	4.68E-02
<i>EEF1E1</i>	A_15_P235476	-1.823	-0.866	1.65E-02
	A_15_P290206	-1.875	-0.907	1.27E-02
<i>EEF1G</i>	A_15_P723016	-1.719	-0.782	6.32E-03
	A_15_P753281	-1.617	-0.693	1.54E-04
	A_15_P745251	-1.803	-0.851	2.19E-02
	A_15_P516042	-1.709	-0.773	2.72E-03
	A_15_P603937	-1.646	-0.719	8.57E-03
<i>EEF2</i>	A_15_P213646	1.788	0.839	2.11E-02
	A_15_P420143	2.127	1.089	1.32E-02
	A_15_P340330	1.745	0.804	3.24E-02
	A_15_P745216	1.694	0.760	3.92E-02
	A_15_P736511	2.102	1.072	2.52E-02
<i>EFNA3</i>	A_15_P173806	-1.694	-0.760	3.56E-02
<i>EFNB3</i>	A_15_P119492	-1.518	-0.602	1.49E-02
<i>EGF</i>	A_15_P555962	-1.512	-0.596	4.30E-03
<i>EGFR</i>	A_15_P198221	1.584	0.663	1.55E-04
<i>EHHADH</i>	A_15_P437335	3.377	1.756	3.24E-02
<i>EHMT1</i>	A_15_P322706	-1.791	-0.841	2.92E-02
	A_15_P180501	-1.647	-0.720	9.61E-04
<i>EHMT2</i>	A_15_P368615	1.686	0.754	2.93E-02
<i>EIF2S2</i>	A_15_P338865	-1.599	-0.677	3.88E-03
<i>EIF3B</i>	A_15_P187891	-1.915	-0.937	3.02E-02
	A_15_P386415	-3.050	-1.609	4.02E-03
<i>EIF3E</i>	A_15_P112959	-1.773	-0.827	3.73E-02
<i>EIF3J</i>	A_15_P100193	-1.772	-0.826	5.67E-03
	A_15_P623926	-1.527	-0.611	1.19E-02
<i>EIF5AL1</i>	A_15_P461690	-1.505	-0.589	2.02E-02
<i>EIF5B</i>	A_15_P596312	-1.747	-0.805	3.90E-03
<i>ELK3</i>	A_15_P172281	2.029	1.021	3.14E-03
<i>ELOF1</i>	A_15_P721211	-1.509	-0.593	1.99E-02
<i>ELOVL1</i>	A_15_P534307	-1.629	-0.704	4.22E-02
	A_15_P723936	-1.785	-0.836	2.72E-02
	A_15_P111691	-2.019	-1.014	4.51E-02
	A_15_P746691	-1.647	-0.720	4.20E-02
	A_15_P724211	-1.813	-0.858	4.90E-02
	A_15_P396970	-2.098	-1.069	1.80E-02
	A_15_P495307	-1.985	-0.989	2.55E-02
<i>ELOVL2</i>	A_15_P543437	-1.520	-0.604	3.80E-02
<i>ELOVL5</i>	A_15_P628196	-1.938	-0.955	4.15E-02
<i>EMB</i>	A_15_P675856	-1.847	-0.886	4.27E-02
<i>EMC1</i>	A_15_P100386	-1.702	-0.767	4.17E-02
<i>EMC2</i>	A_15_P103016	-1.864	-0.899	1.35E-02
	A_15_P627481	-1.549	-0.631	2.27E-02
	A_15_P604147	-1.972	-0.979	4.22E-02
	A_15_P753331	-1.863	-0.897	1.99E-02
	A_15_P204651	-1.915	-0.937	4.18E-02
<i>EME1</i>	A_15_P465495	-1.738	-0.798	1.06E-02
<i>EMILIN1</i>	A_15_P195646	1.960	0.971	4.71E-02
<i>EMX1</i>	A_15_P441625	-8.379	-3.067	1.22E-02
	A_15_P109130	-6.586	-2.719	1.56E-02

<i>ENSA</i>	A_15_P119872	1.822	0.865	2.85E-02
<i>ENTPD2</i>	A_15_P180431	-4.968	-2.313	4.85E-03
	A_15_P100174	3.246	1.699	1.74E-02
<i>EPAS1</i>	A_15_P622571	-1.502	-0.587	2.85E-02
<i>EPB41L3</i>	A_15_P101432	-1.561	-0.642	3.54E-02
<i>EPHA2</i>	A_15_P719576	-1.618	-0.695	8.06E-03
	A_15_P347035	2.189	1.130	1.55E-02
<i>EPHB6</i>	A_15_P203901	1.569	0.650	4.29E-03
<i>EPHX2</i>	A_15_P625571	-1.618	-0.694	2.13E-02
<i>EPHX4</i>	A_15_P135926	-2.078	-1.055	2.00E-02
<i>EPYC</i>	A_15_P111743	4.494	2.168	2.14E-02
	A_15_P102503	3.337	1.738	4.64E-02
<i>ERAL1</i>	A_15_P147011	-1.792	-0.841	3.95E-02
<i>ERCC5</i>	A_15_P171821	-2.949	-1.560	2.05E-03
<i>ERCC6L</i>	A_15_P207151	-1.639	-0.713	2.90E-02
<i>ERCC8</i>	A_15_P620911	-1.672	-0.742	1.23E-02
	A_15_P490972	-1.892	-0.920	4.38E-02
<i>ERGIC1</i>	A_15_P214601	-3.069	-1.618	2.00E-02
<i>ERGIC2</i>	A_15_P114546	-1.579	-0.659	3.32E-02
<i>ERI1</i>	A_15_P163301	-1.749	-0.807	2.38E-02
<i>ERLIN1</i>	A_15_P226466	-1.593	-0.671	4.12E-02
<i>ESPL1</i>	A_15_P488935	-3.054	-1.611	1.79E-02
<i>ESYT1</i>	A_15_P327426	-1.716	-0.779	5.21E-03
	A_15_P306516	-2.214	-1.147	2.98E-02
<i>ETF1</i>	A_15_P113951	-1.997	-0.998	1.61E-02
<i>ETHE1</i>	A_15_P111208	-1.653	-0.725	3.71E-02
<i>ETNK2</i>	A_15_P659066	1.802	0.849	2.00E-03
<i>EVA1A</i>	A_15_P344385	-2.016	-1.012	4.20E-02
	A_15_P464405	-1.660	-0.731	3.94E-02
	A_15_P173436	-2.453	-1.294	1.68E-02
<i>EVI5</i>	A_15_P177076	-1.729	-0.790	2.66E-02
<i>EVX1</i>	A_15_P574437	-2.406	-1.267	3.77E-02
<i>EWSR1</i>	A_15_P724261	2.046	1.033	1.46E-02
<i>EXO1</i>	A_15_P104116	-2.212	-1.145	1.96E-02
	A_15_P176762	-2.080	-1.057	2.27E-02
<i>EXOC1</i>	A_15_P184071	-1.621	-0.697	5.31E-03
<i>EXOC3L1</i>	A_15_P290721	-1.663	-0.733	1.57E-02
<i>EXT2</i>	A_15_P118401	-2.080	-1.056	1.62E-02
<i>EXTL3</i>	A_15_P252321	2.413	1.271	4.20E-02
<i>EYA1</i>	A_15_P755631	-1.854	-0.890	9.13E-03
<i>EZH2</i>	A_15_P131181	-1.635	-0.710	1.38E-02
<i>FADD</i>	A_15_P145096	1.711	0.775	3.22E-02
<i>FADS2</i>	A_15_P104437	-1.692	-0.759	1.78E-02
	A_15_P111237	-1.695	-0.762	8.84E-03
	A_15_P755901	-1.719	-0.781	3.15E-02
	A_15_P103127	-1.898	-0.924	4.56E-03
	A_15_P335765	-1.688	-0.756	4.23E-02
<i>FAF2</i>	A_15_P562627	-1.947	-0.961	6.27E-03
<i>FAH</i>	A_15_P680616	-1.597	-0.676	6.84E-03
<i>FAHD1</i>	A_15_P148431	-1.571	-0.651	4.83E-02
<i>FAM110A</i>	A_15_P239301	1.639	0.713	3.38E-02
<i>FAM114A1</i>	A_15_P530462	-1.668	-0.738	4.99E-02
<i>FAM117B</i>	A_15_P395630	1.794	0.843	1.40E-02
<i>FAM120C</i>	A_15_P415990	1.823	0.866	2.93E-02

FAM122A	A_15_P120816	-1.728	-0.789	3.85E-02
FAM135A	A_15_P726121	1.831	0.872	2.83E-02
FAM161A	A_15_P726226	1.881	0.911	2.38E-02
FAM169A	A_15_P180526	1.532	0.616	1.74E-02
FAM184B	A_15_P317661	-1.658	-0.729	2.98E-02
FAM188B	A_15_P371860	-1.684	-0.752	3.60E-02
	A_15_P189166	-2.076	-1.054	3.89E-02
FAM19A5	A_15_P500717	-1.543	-0.626	3.32E-02
FAM208B	A_15_P414255	-1.828	-0.870	8.37E-03
FAM228B	A_15_P722761	-1.629	-0.704	1.02E-02
FAM45A	A_15_P264064	-1.779	-0.831	2.24E-02
FAM46B	A_15_P115915	-1.675	-0.744	1.07E-02
	A_15_P108195	-1.605	-0.683	4.66E-02
FAM47E	A_15_P169961	-3.035	-1.602	4.17E-02
FAM53C	A_15_P660286	-1.759	-0.815	3.88E-02
FAM89B	A_15_P236306	-2.244	-1.166	4.53E-02
FAM96A	A_15_P155286	-1.835	-0.876	1.63E-02
FAM96B	A_15_P587612	-1.573	-0.653	1.29E-02
FANCF	A_15_P726681	-1.517	-0.601	9.72E-03
	A_15_P195561	-1.836	-0.876	1.03E-03
FANCL	A_15_P105630	-1.841	-0.880	3.02E-02
FAT1	A_15_P153126	1.628	0.703	4.75E-02
FAT3	A_15_P591102	1.667	0.738	1.47E-02
FBN1	A_15_P135111	3.588	1.843	4.51E-03
FBN2	A_15_P252781	2.425	1.278	4.45E-02
FBXO10	A_15_P658121	-1.905	-0.930	1.73E-02
FBXO18	A_15_P153856	-1.861	-0.896	4.32E-02
FBXO28	A_15_P196826	2.826	1.499	2.16E-02
FBXO6	A_15_P183344	-1.656	-0.728	2.20E-02
FDPS	A_15_P659061	-1.534	-0.618	2.73E-02
FDXACB1	A_15_P172021	-2.042	-1.030	6.80E-04
FEM1C	A_15_P305596	3.586	1.842	4.70E-02
FEV	A_15_P624831	-1.994	-0.996	3.37E-02
	A_15_P139831	-3.426	-1.777	4.42E-02
FGD3	A_15_P660086	2.065	1.046	2.28E-02
FGFBP2	A_15_P613677	10.838	3.438	1.85E-02
	A_15_P191376	3.096	1.631	4.01E-02
FHIT	A_15_P159851	-1.836	-0.876	6.42E-03
FHOD1	A_15_P362850	2.050	1.036	4.28E-02
FIBP	A_15_P100527	-1.508	-0.593	1.41E-02
FKBP11	A_15_P117398	2.458	1.298	4.52E-02
FKBP14	A_15_P502782	-3.161	-1.660	3.20E-02
FKBP1A	A_15_P105484	-1.524	-0.608	9.79E-03
	A_15_P116501	-1.536	-0.620	4.40E-02
FKBP5	A_15_P541507	-7.986	-2.997	3.71E-03
FLCN	A_15_P341605	1.577	0.657	4.74E-02
FLI1	A_15_P631866	-1.620	-0.696	3.50E-02
FLII	A_15_P115876	-1.732	-0.792	1.23E-02
FN3KRP	A_15_P259402	-1.686	-0.754	2.88E-02
FNDC4	A_15_P192156	-1.778	-0.830	3.10E-02
FOSB	A_15_P630281	-4.470	-2.160	2.75E-02
	A_15_P171421	-4.516	-2.175	3.33E-02
FOXJ2	A_15_P203921	1.748	0.806	2.52E-02
FOXK1	A_15_P108543	1.629	0.704	1.79E-02

<i>FOXO1</i>	A_15_P376310	-1.524	-0.608	3.47E-02
<i>FOXRED1</i>	A_15_P746082	3.085	1.625	2.31E-02
<i>FRA10AC1</i>	A_15_P599517	-2.229	-1.156	2.34E-03
	A_15_P121159	-1.655	-0.727	4.85E-02
<i>FRMD8</i>	A_15_P321179	-1.506	-0.591	2.93E-02
<i>FST</i>	A_15_P114697	-1.925	-0.945	1.04E-03
	A_15_P652856	-2.167	-1.116	3.13E-03
	A_15_P115175	-1.845	-0.884	1.41E-02
	A_15_P392800	-1.804	-0.851	2.63E-02
	A_15_P147116	-1.876	-0.907	1.17E-02
<i>FTMT</i>	A_15_P624761	-1.614	-0.691	4.23E-02
<i>FTO</i>	A_15_P395810	-1.575	-0.656	1.38E-03
<i>FTSJ2</i>	A_15_P549012	-2.384	-1.254	4.95E-02
<i>FURIN</i>	A_15_P437035	1.504	0.589	3.36E-02
<i>FUT8</i>	A_15_P287041	-1.680	-0.748	9.27E-03
	A_15_P286916	-1.861	-0.896	1.73E-02
<i>FXVD6</i>	A_15_P262466	-1.546	-0.629	2.23E-02
<i>FYN</i>	A_15_P117079	-1.706	-0.770	4.31E-02
<i>FZD8</i>	A_15_P109265	-1.655	-0.727	4.30E-02
<i>G2E3</i>	A_15_P116200	-2.013	-1.009	3.04E-02
	A_15_P332569	-2.714	-1.440	3.84E-02
<i>G6PC3</i>	A_15_P626461	-3.055	-1.611	1.84E-03
	A_15_P412965	-1.663	-0.733	3.28E-03
	A_15_P117585	-1.818	-0.862	4.32E-03
<i>GABPB2</i>	A_15_P118356	-1.810	-0.856	4.14E-03
<i>GABRA6</i>	A_15_P135331	4.252	2.088	4.89E-02
<i>GABRB1</i>	A_15_P289136	-1.832	-0.873	1.78E-02
<i>GABRD</i>	A_15_P491172	1.962	0.972	4.61E-02
<i>GAD1</i>	A_15_P106914	1.674	0.743	4.74E-02
<i>GAD2</i>	A_15_P699426	-1.575	-0.656	4.25E-02
	A_15_P315666	-1.564	-0.645	2.44E-02
<i>GAL3ST3</i>	A_15_P411645	1.779	0.831	2.10E-02
<i>GALNT1</i>	A_15_P116724	-1.751	-0.808	4.89E-02
<i>GALNT2</i>	A_15_P394965	-1.602	-0.680	2.12E-02
<i>GAPDH</i>	A_15_P120646	8.932	3.159	4.22E-02
	A_15_P331504	7.491	2.905	4.73E-02
<i>GARNL3</i>	A_15_P363610	1.853	0.890	4.09E-02
<i>GAS8</i>	A_15_P103540	-2.543	-1.347	7.23E-04
<i>GATA2</i>	A_15_P113672	-2.199	-1.137	3.96E-03
<i>GATAD2B</i>	A_15_P207436	1.718	0.781	4.65E-02
<i>GATM</i>	A_15_P731476	2.225	1.154	2.39E-03
	A_15_P528852	2.467	1.303	4.82E-03
	A_15_P578297	1.761	0.816	1.65E-02
<i>GBGT1</i>	A_15_P723051	-4.435	-2.149	3.49E-03
<i>GEM</i>	A_15_P142366	-2.370	-1.245	4.97E-02
<i>GEMIN8</i>	A_15_P116990	-1.747	-0.805	2.41E-02
<i>GFAP</i>	A_15_P658936	-3.821	-1.934	3.33E-02
<i>GGCT</i>	A_15_P336540	-104.233	-6.704	2.52E-05
<i>GGH</i>	A_15_P175246	-1.700	-0.766	9.38E-03
<i>GHR</i>	A_15_P189711	-1.690	-0.757	1.60E-02
<i>GHRH</i>	A_15_P624971	-3.198	-1.677	2.08E-02
	A_15_P135716	-4.440	-2.151	2.66E-02
<i>GJA4</i>	A_15_P193806	-2.137	-1.095	2.72E-02
	A_15_P258931	-1.568	-0.649	2.47E-02

<i>GJB1</i>	A_15_P220691	-2.983	-1.577	3.29E-02
<i>GJC1</i>	A_15_P743286	-1.916	-0.938	4.96E-02
<i>GK5</i>	A_15_P660516	-1.534	-0.618	4.00E-02
<i>GKAP1</i>	A_15_P724596	-1.518	-0.603	1.94E-02
	A_15_P220476	-1.679	-0.747	3.92E-02
<i>GLDN</i>	A_15_P213881	-1.953	-0.966	3.60E-03
<i>GLG1</i>	A_15_P404510	2.199	1.137	2.02E-02
	A_15_P591132	2.263	1.178	2.82E-03
<i>GLI2</i>	A_15_P201846	1.887	0.916	4.31E-02
<i>GLIS1</i>	A_15_P189156	-3.029	-1.599	4.23E-03
	A_15_P549042	-2.408	-1.268	3.15E-02
<i>GLRX2</i>	A_15_P678306	-1.841	-0.881	1.97E-02
<i>GLS</i>	A_15_P107778	1.648	0.721	2.60E-02
<i>GLTSCR1</i>	A_15_P110888	2.495	1.319	3.27E-02
<i>GLUD1</i>	A_15_P118050	-1.752	-0.809	1.27E-02
	A_15_P625671	-1.918	-0.939	2.11E-02
	A_15_P192771	-1.993	-0.995	2.10E-02
	A_15_P282316	-1.661	-0.732	4.66E-03
<i>GMNN</i>	A_15_P108988	-1.964	-0.974	2.41E-02
	A_15_P741676	-1.936	-0.953	1.65E-02
	A_15_P118497	-1.838	-0.878	4.47E-02
<i>GMPS</i>	A_15_P347201	1.822	0.866	4.97E-02
<i>GNA11</i>	A_15_P604552	1.511	0.596	2.81E-02
<i>GNAI2</i>	A_15_P179961	-1.654	-0.726	3.37E-02
<i>GNB1</i>	A_15_P630931	-1.559	-0.641	7.70E-03
	A_15_P107031	-1.646	-0.719	5.67E-05
<i>GNB3</i>	A_15_P102839	-2.836	-1.504	6.24E-03
<i>GNB4</i>	A_15_P397170	1.545	0.627	2.79E-02
<i>GNMT</i>	A_15_P721091	-1.889	-0.918	1.33E-02
	A_15_P366800	-1.995	-0.997	2.70E-02
<i>GNRH</i>	A_15_P103158	-3.183	-1.670	2.81E-02
<i>GOLGA7B</i>	A_15_P219706	-1.751	-0.808	5.93E-03
<i>GOLT1B</i>	A_15_P159361	-1.668	-0.738	3.27E-02
<i>GORASP1</i>	A_15_P466995	-1.565	-0.646	2.99E-02
<i>GOT1</i>	A_15_P659281	-1.908	-0.932	4.92E-04
<i>GOT1L1</i>	A_15_P483055	-1.847	-0.885	1.12E-02
<i>GOT2</i>	A_15_P167826	-1.520	-0.604	4.57E-02
<i>GPALPP1</i>	A_15_P100038	-1.519	-0.603	2.33E-02
<i>GPATCH1</i>	A_15_P116169	-2.061	-1.044	7.06E-03
<i>GPATCH8</i>	A_15_P116186	-1.622	-0.698	2.74E-02
<i>GPBP1L1</i>	A_15_P489417	-1.625	-0.701	1.46E-02
<i>GPC4</i>	A_15_P435125	5.455	2.448	3.51E-02
<i>GPCPD1</i>	A_15_P531277	-1.702	-0.768	3.14E-04
<i>GPD2</i>	A_15_P171486	1.596	0.675	1.02E-02
<i>GPKOW</i>	A_15_P114564	-1.686	-0.754	1.91E-02
<i>GPM6B</i>	A_15_P473825	-1.551	-0.633	2.94E-02
<i>GPNMB</i>	A_15_P379710	-3.012	-1.591	2.48E-03
<i>GPR137B</i>	A_15_P461015	1.770	0.824	3.56E-02
<i>GPR37</i>	A_15_P158786	-1.530	-0.614	2.50E-02
<i>GPR68</i>	A_15_P203266	-1.604	-0.682	4.66E-02
<i>GPR85</i>	A_15_P549622	1.676	0.745	1.56E-02
<i>GPSM2</i>	A_15_P210551	-2.055	-1.039	2.60E-02
<i>GRAMD4</i>	A_15_P277861	4.215	2.076	1.91E-02
	A_15_P449190	-2.360	-1.239	2.95E-03

<i>GRAP2</i>	A_15_P222846	-1.535	-0.618	3.79E-02
<i>GRB10</i>	A_15_P337115	-1.530	-0.613	1.25E-02
<i>GREM1</i>	A_15_P120476	-1.713	-0.777	4.71E-03
<i>GRIA3</i>	A_15_P193335	2.341	1.227	2.48E-03
<i>GRIA4</i>	A_15_P762801	1.781	0.833	1.59E-02
<i>GRIK1</i>	A_15_P457110	1.617	0.693	2.27E-03
<i>GRIN3A</i>	A_15_P286531	-1.844	-0.883	1.54E-02
	A_15_P236031	2.448	1.292	3.88E-02
<i>GRPEL2</i>	A_15_P367665	-2.090	-1.063	3.79E-02
<i>GSKIP</i>	A_15_P345170	-1.525	-0.609	4.41E-03
<i>GTF2F1</i>	A_15_P566512	-1.684	-0.752	1.68E-02
<i>GTF2H2</i>	A_15_P475200	-1.787	-0.837	4.42E-02
	A_15_P224641	-1.864	-0.899	4.41E-02
<i>GTF3A</i>	A_15_P660731	2.518	1.332	3.64E-02
<i>GTPBP1</i>	A_15_P529377	1.897	0.923	4.75E-02
<i>GUSB</i>	A_15_P145436	1.632	0.706	4.49E-02
<i>GYLTL1B</i>	A_15_P105991	1.837	0.877	2.28E-02
	A_15_P628601	1.801	0.849	1.32E-02
<i>HAPLN4</i>	A_15_P235191	-2.199	-1.137	4.99E-02
<i>HAUS3</i>	A_15_P161411	-1.799	-0.847	9.46E-03
<i>HAUS6</i>	A_15_P724071	-1.913	-0.936	9.77E-03
	A_15_P495772	-2.281	-1.190	1.68E-03
	A_15_P384325	-1.828	-0.871	9.52E-03
<i>HDAC3</i>	A_15_P115549	-1.672	-0.741	3.37E-02
<i>HDAC5</i>	A_15_P569902	1.691	0.758	1.02E-02
<i>HDAC6</i>	A_15_P510127	-2.844	-1.508	2.63E-02
<i>HDAC9</i>	A_15_P626381	1.609	0.687	6.87E-03
<i>HDX</i>	A_15_P323886	1.765	0.820	6.30E-03
<i>HEATR1</i>	A_15_P226756	1.598	0.676	1.06E-02
<i>HEATR5A</i>	A_15_P661796	-1.830	-0.872	2.95E-02
<i>HEATR5B</i>	A_15_P710296	1.570	0.651	3.87E-02
<i>HECTD1</i>	A_15_P642201	1.819	0.863	1.97E-02
	A_15_P291946	2.301	1.203	2.75E-03
<i>HELZ2</i>	A_15_P489190	1.877	0.908	1.80E-02
<i>HEPACAM</i>	A_15_P659981	1.560	0.642	3.61E-02
<i>HERC2</i>	A_15_P430580	1.926	0.946	3.68E-02
	A_15_P452470	1.597	0.675	5.03E-03
<i>HERC4</i>	A_15_P198096	1.521	0.605	4.16E-02
<i>HEY1</i>	A_15_P697986	-2.232	-1.158	2.09E-02
<i>HGS</i>	A_15_P188206	1.573	0.654	3.32E-02
<i>HHIPL1</i>	A_15_P534762	-1.595	-0.674	4.07E-02
<i>HIBCH</i>	A_15_P111993	-1.743	-0.802	8.95E-03
	A_15_P119687	1.585	0.664	1.93E-02
<i>HIF1AN</i>	A_15_P658911	-1.584	-0.664	1.07E-02
<i>HIGD2A</i>	A_15_P673821	-1.519	-0.604	4.94E-03
<i>HIVEP2</i>	A_15_P317711	1.777	0.830	1.80E-02
<i>HLA-DPA1</i>	A_15_P540002	2.864	1.518	2.84E-02
<i>HMGA2</i>	A_15_P739966	1.539	0.622	2.29E-02
<i>HMGB1</i>	A_15_P110467	-1.654	-0.726	2.09E-02
	A_15_P214388	-1.914	-0.936	1.49E-02
	A_15_P114926	-1.843	-0.882	3.16E-02
	A_15_P733031	-1.650	-0.723	1.64E-02
<i>HMGB2</i>	A_15_P745381	-2.005	-1.004	1.70E-02
	A_15_P742916	-1.555	-0.637	3.22E-02

<i>HMGB3</i>	A_15_P111896	-1.562	-0.644	1.90E-02
<i>HMGCR</i>	A_15_P624101	-1.998	-0.999	9.01E-03
	A_15_P206911	-2.130	-1.091	1.69E-03
	A_15_P147281	-2.644	-1.403	1.56E-02
	A_15_P237901	1.706	0.770	4.48E-02
<i>HMGCS1</i>	A_15_P379340	-1.570	-0.650	1.09E-02
<i>HMG3</i>	A_15_P114525	-1.649	-0.721	1.50E-02
	A_15_P224341	-1.520	-0.604	4.58E-02
<i>HMOX1</i>	A_15_P257736	-3.448	-1.786	3.70E-02
<i>HNRNPH1</i>	A_15_P542637	1.605	0.682	4.91E-02
<i>HNRNPU</i>	A_15_P756756	-1.534	-0.618	2.27E-02
	A_15_P598547	-1.935	-0.952	2.93E-02
<i>HOMER2</i>	A_15_P335745	3.905	1.965	1.66E-02
<i>HOPX</i>	A_15_P110983	-1.810	-0.856	5.24E-03
<i>HOXA2</i>	A_15_P611602	-1.801	-0.849	4.43E-02
	A_15_P131556	-2.637	-1.399	2.53E-02
<i>HPCAL4</i>	A_15_P548087	-1.501	-0.586	2.32E-02
<i>HP55</i>	A_15_P409015	3.107	1.635	4.79E-02
<i>HS3ST1</i>	A_15_P194941	2.539	1.344	4.90E-02
<i>HS6ST3</i>	A_15_P141516	-1.668	-0.738	4.08E-02
<i>HSD17B14</i>	A_15_P461195	-4.202	-2.071	3.39E-02
<i>HSD17B7</i>	A_15_P160916	-1.582	-0.661	1.95E-02
<i>HSD3B7</i>	A_15_P222921	-1.809	-0.855	3.72E-02
<i>HSF5</i>	A_15_P205801	1.812	0.858	2.11E-02
<i>HSP90AA1</i>	A_15_P118357	-1.795	-0.844	2.37E-02
<i>HSP90AB1</i>	A_15_P131441	-1.707	-0.772	4.56E-03
	A_15_P657002	-1.700	-0.765	9.56E-03
	A_15_P531677	-1.544	-0.627	8.10E-04
<i>HSPA8</i>	A_15_P732674	-1.811	-0.857	1.31E-02
<i>HSPA9</i>	A_15_P656476	-1.898	-0.924	3.94E-03
	A_15_P172211	-2.094	-1.066	7.86E-05
<i>HSPB2</i>	A_15_P154151	-1.566	-0.647	4.51E-02
<i>HTT</i>	A_15_P305441	1.524	0.608	2.19E-02
<i>HUNK</i>	A_15_P340925	-1.573	-0.654	3.25E-02
<i>HUWE1</i>	A_15_P597387	-1.687	-0.754	4.70E-02
<i>HYOU1</i>	A_15_P157981	-1.736	-0.796	3.82E-03
<i>IBTK</i>	A_15_P465385	2.130	1.091	5.18E-03
	A_15_P593817	1.735	0.795	3.44E-03
<i>ICA1</i>	A_15_P710738	-1.871	-0.904	1.69E-02
<i>ICE2</i>	A_15_P298371	-2.415	-1.272	2.40E-02
<i>ID2</i>	A_15_P659906	-1.803	-0.851	5.38E-03
<i>ID3</i>	A_15_P240461	-1.868	-0.901	1.94E-02
	A_15_P721801	-1.728	-0.789	4.94E-02
<i>IDH1</i>	A_15_P121313	-1.537	-0.620	1.32E-02
<i>IDH3A</i>	A_15_P274926	-1.561	-0.643	9.58E-03
<i>IFT122</i>	A_15_P154516	1.713	0.777	2.83E-02
	A_15_P763341	1.646	0.719	2.93E-02
<i>IFT46</i>	A_15_P212501	-1.817	-0.862	5.21E-03
<i>IGF2BP1</i>	A_15_P671071	-2.798	-1.485	4.54E-02
<i>IGF2R</i>	A_15_P161206	2.332	1.222	4.45E-03
<i>IGFBP1</i>	A_15_P749991	2.335	1.224	1.14E-02
	A_15_P465755	2.147	1.102	2.62E-02
	A_15_P221821	-2.016	-1.011	4.88E-02
<i>IGFBP5</i>	A_15_P222446	-1.565	-0.647	2.02E-02

	A_15_P186546	-1.810	-0.856	5.83E-03
<i>IGSF8</i>	A_15_P471785	2.755	1.462	4.54E-02
<i>IGSF9B</i>	A_15_P281601	1.626	0.701	1.80E-02
<i>IL13</i>	A_15_P257556	-2.398	-1.262	1.87E-02
<i>IL15</i>	A_15_P625736	-1.879	-0.910	2.09E-02
<i>ILF2</i>	A_15_P108833	-1.552	-0.634	1.60E-02
<i>ILF3</i>	A_15_P739261	-1.993	-0.995	3.47E-02
<i>INA</i>	A_15_P197351	-1.700	-0.766	2.03E-02
<i>INCENP</i>	A_15_P111936	-3.634	-1.862	2.44E-02
<i>ING1</i>	A_15_P501982	-1.722	-0.784	7.50E-03
<i>ING4</i>	A_15_P659816	-1.656	-0.728	6.82E-03
<i>ING5</i>	A_15_P119553	-1.617	-0.694	1.84E-02
<i>INIP</i>	A_15_P114972	-1.521	-0.605	3.60E-02
<i>INPP5A</i>	A_15_P162011	-1.558	-0.639	4.56E-02
<i>INPP5E</i>	A_15_P530422	3.268	1.708	7.83E-03
<i>INPP5F</i>	A_15_P439515	1.955	0.967	3.13E-02
<i>INPP5J</i>	A_15_P689526	2.194	1.133	1.82E-04
<i>INPP5K</i>	A_15_P545327	-1.971	-0.979	1.50E-02
	A_15_P170806	-1.583	-0.663	1.39E-02
<i>INSM2</i>	A_15_P202601	-1.688	-0.755	1.91E-02
<i>INTS1</i>	A_15_P423690	2.945	1.558	3.72E-02
<i>INTS9</i>	A_15_P170431	2.031	1.022	3.54E-02
<i>IQCA1</i>	A_15_P162901	-1.865	-0.899	6.35E-03
	A_15_P115750	-1.595	-0.674	1.74E-02
	A_15_P260381	-1.553	-0.635	3.52E-02
<i>IQCD</i>	A_15_P145811	-2.507	-1.326	2.55E-02
<i>IQUB</i>	A_15_P544127	-3.865	-1.950	4.94E-04
<i>IREB2</i>	A_15_P136236	2.569	1.361	4.19E-02
<i>IRF2BP2</i>	A_15_P118287	1.630	0.705	1.18E-02
<i>IRS2</i>	A_15_P429775	-1.527	-0.611	4.50E-02
<i>IRX3</i>	A_15_P409155	1.514	0.598	7.92E-03
<i>IRX4</i>	A_15_P151576	-2.319	-1.213	3.76E-02
<i>IRX5</i>	A_15_P112269	-1.920	-0.941	3.80E-02
<i>ISG20L2</i>	A_15_P148246	-1.668	-0.738	6.43E-03
<i>ITGA11</i>	A_15_P408315	-1.611	-0.688	4.22E-02
<i>ITGB1</i>	A_15_P111120	-1.562	-0.643	4.08E-02
<i>ITIH3</i>	A_15_P160756	-2.776	-1.473	2.69E-02
<i>ITLN1</i>	A_15_P290288	-2.445	-1.290	1.50E-02
<i>ITPK1</i>	A_15_P572037	-1.667	-0.738	4.89E-02
<i>ITPKB</i>	A_15_P184526	-1.862	-0.897	6.85E-04
	A_15_P457535	-1.672	-0.742	3.45E-02
	A_15_P600137	-1.569	-0.650	4.91E-02
<i>JADE3</i>	A_15_P103193	-1.678	-0.747	1.67E-02
<i>JAKMIP1</i>	A_15_P113007	-1.554	-0.636	1.16E-02
<i>JARID2</i>	A_15_P182346	-2.200	-1.137	2.12E-02
<i>JMJD1C</i>	A_15_P301731	1.934	0.951	1.80E-04
<i>JMJD6</i>	A_15_P188056	5.377	2.427	1.69E-02
<i>KANSL1</i>	A_15_P594359	2.059	1.042	2.62E-02
<i>KANSL2</i>	A_15_P104668	2.331	1.221	4.44E-02
<i>KANSL3</i>	A_15_P596102	1.636	0.710	1.20E-03
<i>KAT6B</i>	A_15_P601287	2.473	1.306	4.64E-02
<i>KBTBD2</i>	A_15_P114456	-1.555	-0.637	7.78E-03
	A_15_P282201	-1.630	-0.705	1.35E-02
<i>KCNJ3</i>	A_15_P488765	-1.777	-0.829	3.65E-02

KCNJ6	A_15_P157951	1.807	0.854	4.34E-03
KCNK1	A_15_P568392	1.970	0.978	1.51E-02
KCTD16	A_15_P763936	1.761	0.816	4.27E-03
KDM3B	A_15_P322221	-1.866	-0.900	3.90E-02
KDM5B	A_15_P335019	1.793	0.843	2.74E-02
KDM5C	A_15_P220391	-1.594	-0.673	4.06E-02
KDM7A	A_15_P594212	-1.643	-0.716	8.19E-03
KDSR	A_15_P113754	-1.563	-0.644	8.70E-03
KEAP1	A_15_P597762	1.665	0.736	1.20E-02
KHDRBS2	A_15_P172501	-1.693	-0.760	1.11E-02
KIAA0368	A_15_P200171	-1.643	-0.716	1.05E-02
KIAA0907	A_15_P175236	1.611	0.688	1.85E-02
	A_15_P284826	1.548	0.631	2.18E-02
KIAA1161	A_15_P250651	-1.569	-0.649	4.62E-02
KIAA1217	A_15_P100539	-1.784	-0.835	2.66E-02
KIF14	A_15_P738486	-2.186	-1.128	3.89E-02
	A_15_P193811	-2.037	-1.026	3.83E-03
	A_15_P473610	-2.812	-1.492	4.66E-02
KIF19	A_15_P709436	1.709	0.773	2.46E-03
KIF1BP	A_15_P726286	-1.561	-0.643	2.59E-02
KIF1C	A_15_P411410	1.608	0.686	3.93E-02
KIF22	A_15_P100190	-1.729	-0.790	3.90E-02
KIF26A	A_15_P686526	1.541	0.624	2.00E-02
	A_15_P591652	-1.545	-0.627	2.33E-02
KIF2C	A_15_P213841	-1.895	-0.923	2.63E-02
	A_15_P745281	-2.200	-1.137	4.52E-02
KIF5A	A_15_P489195	1.967	0.976	1.57E-02
	A_15_P214536	2.094	1.066	1.79E-02
KIFAP3	A_15_P184231	-1.514	-0.598	3.30E-02
KIRREL	A_15_P144231	2.908	1.540	4.80E-02
KLC4	A_15_P741667	2.284	1.191	6.25E-03
KLF17	A_15_P119506	-2.095	-1.067	1.46E-02
KLF3	A_15_P102825	-1.752	-0.809	1.00E-02
KLF7	A_15_P648411	-1.836	-0.876	5.80E-04
	A_15_P174151	-1.816	-0.861	1.53E-03
	A_15_P621812	-1.853	-0.890	3.74E-04
KLHDC10	A_15_P613547	1.816	0.861	4.55E-02
KLHDC2	A_15_P218021	1.784	0.835	1.47E-02
KLHL21	A_15_P183581	-2.027	-1.019	3.34E-02
KLHL24	A_15_P208591	1.993	0.995	4.15E-02
KLHL31	A_15_P115398	17.601	4.138	3.10E-02
	A_15_P210386	20.193	4.336	4.47E-02
KLHL8	A_15_P256691	1.532	0.615	4.22E-02
KMT2D	A_15_P263316	-1.762	-0.817	1.47E-02
KPNA6	A_15_P438780	-2.462	-1.300	2.20E-02
KRT15	A_15_P615937	1.682	0.751	3.22E-02
	A_15_P110571	2.444	1.289	2.44E-02
KRT17	A_15_P626517	-1.788	-0.838	1.16E-02
KRT18	A_15_P331061	-1.799	-0.848	4.09E-02
KRT8	A_15_P756471	2.335	1.223	1.76E-03
KXD1	A_15_P136501	-1.536	-0.619	1.68E-02
L1CAM	A_15_P174751	1.973	0.980	9.55E-03
	A_15_P209746	3.294	1.720	7.56E-03
	A_15_P113279	2.012	1.009	1.97E-02

L3MBTL2	A_15_P622516	-1.684	-0.752	7.62E-03
	A_15_P166576	-2.045	-1.032	9.50E-03
LACC1	A_15_P460740	-1.678	-0.747	2.54E-02
LAMA2	A_15_P241676	2.160	1.111	4.02E-02
LARGE	A_15_P663396	1.640	0.714	4.46E-02
LARP4	A_15_P529077	1.837	0.877	3.79E-02
LARP7	A_15_P365680	-1.598	-0.676	3.48E-02
LBX2	A_15_P172876	-2.650	-1.406	1.45E-02
LCLAT1	A_15_P643381	1.895	0.922	8.54E-03
LCORL	A_15_P564827	-1.557	-0.639	1.83E-02
LDB1	A_15_P112106	1.734	0.794	3.79E-02
LEPROTL1	A_15_P591577	-1.653	-0.725	1.96E-02
	A_15_P767326	-1.827	-0.869	2.77E-02
LGI1	A_15_P654841	2.184	1.127	9.86E-03
LIM2	A_15_P678141	-2.196	-1.135	3.29E-02
	A_15_P195606	-1.965	-0.975	2.63E-03
LIMA1	A_15_P624041	-1.548	-0.631	3.82E-02
LIMCH1	A_15_P470945	1.784	0.835	4.51E-02
LIMK1	A_15_P181271	-1.516	-0.600	1.60E-02
LIMS2	A_15_P404240	1.785	0.836	1.69E-02
	A_15_P149291	1.578	0.658	5.02E-03
LINGO1	A_15_P136256	1.571	0.652	1.40E-02
LIX1L	A_15_P181856	1.517	0.601	2.99E-02
LLGL2	A_15_P660301	-1.501	-0.586	1.45E-02
LMO7	A_15_P200506	2.471	1.305	3.21E-02
LMTK2	A_15_P265326	1.914	0.937	5.45E-03
LNX1	A_15_P564272	2.239	1.163	8.33E-03
LOC100996634	A_15_P202486	2.523	1.335	1.11E-02
PWP2	A_15_P662861	-1.652	-0.724	2.56E-02
LONP1	A_15_P585822	1.915	0.937	3.32E-02
LPCAT4	A_15_P729821	2.616	1.387	3.42E-02
LPPR2	A_15_P551687	1.517	0.602	2.98E-02
LPPR3	A_15_P180236	2.108	1.076	5.32E-04
LRFN3	A_15_P632156	-1.752	-0.809	1.47E-02
LRFN5	A_15_P460460	1.767	0.821	2.75E-02
LRIF1	A_15_P490717	-1.620	-0.696	3.15E-02
	A_15_P684761	-1.730	-0.791	2.36E-02
LRIG2	A_15_P536222	2.619	1.389	9.79E-03
LRIT2	A_15_P365520	1.536	0.620	1.96E-02
LRP11	A_15_P191516	1.999	0.999	2.54E-02
LRRC1	A_15_P289071	3.395	1.763	4.25E-02
LRRC15	A_15_P148076	-1.747	-0.805	2.38E-02
LRRC34	A_15_P657971	-1.742	-0.801	2.07E-02
	A_15_P667446	-1.666	-0.736	2.17E-02
LRRC47	A_15_P512117	-1.843	-0.882	4.40E-03
LRRC7	A_15_P442995	1.607	0.684	4.27E-02
LRRC8A	A_15_P755646	-1.878	-0.909	4.16E-03
LRRC8C	A_15_P424645	-1.745	-0.804	2.78E-02
	A_15_P159336	-2.117	-1.082	3.63E-02
LRRC8D	A_15_P650701	1.581	0.661	2.78E-03
LRRFIP2	A_15_P752156	-1.575	-0.656	2.41E-02
	A_15_P192922	-1.518	-0.602	2.38E-02
	A_15_P198016	-1.517	-0.601	1.61E-02
LSM11	A_15_P570362	-1.517	-0.601	3.05E-02

<i>LSM5</i>	A_15_P140481	-1.509	-0.594	1.71E-02
<i>LSS</i>	A_15_P192946	-1.753	-0.810	1.98E-02
<i>LUC7L3</i>	A_15_P143641	-2.110	-1.077	2.52E-03
<i>LYRM2</i>	A_15_P105931	-2.021	-1.015	1.07E-02
<i>LYRM5</i>	A_15_P225286	1.948	0.962	1.25E-02
<i>LZTFL1</i>	A_15_P348365	-1.770	-0.824	3.05E-02
	A_15_P512337	-1.523	-0.607	2.31E-02
<i>MAD2L1BP</i>	A_15_P463100	1.547	0.630	6.92E-03
<i>MAFB</i>	A_15_P120934	-1.752	-0.809	2.97E-02
<i>MAFK</i>	A_15_P120009	2.157	1.109	1.23E-02
<i>MAGI1</i>	A_15_P160446	1.582	0.662	1.06E-02
	A_15_P223426	2.270	1.183	3.87E-02
<i>MAGI3</i>	A_15_P547057	1.770	0.824	1.61E-02
<i>MAN2B1</i>	A_15_P328876	1.564	0.645	1.12E-02
<i>MANEA</i>	A_15_P103308	-1.780	-0.832	1.55E-02
<i>MAP1A</i>	A_15_P531432	-1.513	-0.598	2.23E-02
	A_15_P334994	-1.751	-0.808	1.14E-03
<i>MAP2</i>	A_15_P171551	-1.518	-0.602	4.42E-02
<i>MAP3K12</i>	A_15_P101314	1.632	0.707	3.00E-02
<i>MAP3K2</i>	A_15_P185346	1.731	0.792	3.63E-02
<i>MAP3K7</i>	A_15_P149956	-1.544	-0.627	5.80E-06
<i>MAP4K4</i>	A_15_P377715	1.567	0.648	4.49E-02
<i>MAPK8IP1</i>	A_15_P689181	1.677	0.746	1.40E-02
<i>MAPRE3</i>	A_15_P661806	1.818	0.863	5.42E-03
<i>MAST1</i>	A_15_P287741	2.012	1.009	4.96E-03
<i>MAST2</i>	A_15_P594302	-1.721	-0.783	2.30E-03
<i>MAT2A</i>	A_15_P173391	-1.738	-0.797	3.15E-02
<i>MBL2</i>	A_15_P199080	-2.342	-1.227	2.11E-02
<i>MBOAT1</i>	A_15_P743536	-1.718	-0.781	2.31E-02
<i>MBOAT2</i>	A_15_P672021	-2.043	-1.031	2.04E-02
<i>MBOAT4</i>	A_15_P488460	2.232	1.158	1.11E-02
<i>MBP</i>	A_15_P263706	-1.642	-0.715	3.16E-02
<i>MCFD2</i>	A_15_P142136	-1.655	-0.727	1.22E-02
	A_15_P666506	-1.568	-0.649	4.01E-02
<i>MCMBP</i>	A_15_P509162	2.376	1.248	3.57E-02
<i>MCOLN1</i>	A_15_P186816	2.399	1.262	3.04E-02
<i>MCTP1</i>	A_15_P603757	1.581	0.661	2.15E-02
<i>MCTS1</i>	A_15_P115829	-1.511	-0.596	1.43E-02
<i>MDP1</i>	A_15_P566822	-1.551	-0.633	4.95E-02
<i>MEAF6</i>	A_15_P721576	-1.557	-0.639	1.84E-02
<i>MED22</i>	A_15_P624301	2.057	1.040	2.07E-02
<i>MED23</i>	A_15_P303681	1.876	0.907	3.55E-02
<i>MED25</i>	A_15_P225411	2.352	1.234	2.46E-02
<i>MED28</i>	A_15_P630246	-1.654	-0.726	4.48E-02
<i>MED4</i>	A_15_P102399	-1.589	-0.668	1.04E-02
	A_15_P117538	-1.582	-0.662	1.35E-02
<i>MEF2D</i>	A_15_P442760	3.042	1.605	7.61E-03
<i>MEI4</i>	A_15_P725446	-7.368	-2.881	1.68E-02
	A_15_P191496	-3.374	-1.755	2.91E-02
<i>MEIOB</i>	A_15_P770001	2.634	1.397	4.93E-02
<i>MEIS1</i>	A_15_P151836	-1.802	-0.850	3.62E-02
<i>MELK</i>	A_15_P200253	-1.843	-0.882	2.95E-02
<i>MEP1B</i>	A_15_P460653	-1.531	-0.615	4.62E-02
<i>MEPCE</i>	A_15_P267076	1.553	0.635	4.13E-02

<i>MEST</i>	A_15_P169161	-1.771	-0.825	1.08E-02
	A_15_P102101	-1.573	-0.653	2.42E-02
<i>MEX3C</i>	A_15_P145491	1.939	0.956	1.87E-02
<i>MFAP1</i>	A_15_P211266	-1.635	-0.709	3.52E-02
<i>MFAP4</i>	A_15_P468400	-2.269	-1.182	2.06E-02
	A_15_P498217	-3.673	-1.877	2.12E-02
<i>MFN1</i>	A_15_P597247	2.648	1.405	1.01E-03
<i>MFSD2A</i>	A_15_P486995	-1.989	-0.992	7.79E-03
<i>MFSD6L</i>	A_15_P153731	3.444	1.784	2.66E-02
<i>MGAT5B</i>	A_15_P399210	2.694	1.430	1.00E-02
<i>MGME1</i>	A_15_P118396	-1.532	-0.615	6.61E-03
<i>MIA3</i>	A_15_P184936	1.548	0.631	4.82E-02
<i>MICAL1</i>	A_15_P333689	-1.809	-0.855	3.81E-03
<i>MINK1</i>	A_15_P151291	2.006	1.004	1.21E-02
<i>MIOS</i>	A_15_P109889	-3.533	-1.821	5.18E-03
<i>MIP</i>	A_15_P103570	-3.112	-1.638	3.70E-02
	A_15_P100341	-3.356	-1.747	1.53E-02
<i>MKL2</i>	A_15_P267726	1.827	0.870	2.16E-02
<i>MLLT11</i>	A_15_P722371	-1.564	-0.646	2.76E-02
<i>MMD2</i>	A_15_P409890	-1.780	-0.832	4.39E-02
<i>MNS1</i>	A_15_P105095	-2.235	-1.160	3.84E-02
	A_15_P289811	-2.873	-1.523	8.86E-03
<i>MOB2</i>	A_15_P136791	-1.772	-0.825	4.63E-02
	A_15_P740356	-1.853	-0.889	1.87E-02
	A_15_P571537	-1.722	-0.784	3.30E-02
	A_15_P506892	-1.989	-0.992	1.28E-02
	A_15_P263506	-1.960	-0.971	1.24E-02
<i>MOCOS</i>	A_15_P516677	-1.810	-0.856	3.45E-03
<i>MOGAT3</i>	A_15_P110116	-2.178	-1.123	6.08E-03
<i>MON2</i>	A_15_P404545	-1.672	-0.742	5.66E-03
<i>MORN4</i>	A_15_P162321	-1.792	-0.841	3.58E-02
<i>MPP6</i>	A_15_P289846	1.963	0.973	4.71E-02
<i>MPZL2</i>	A_15_P434270	1.844	0.883	4.86E-02
<i>MROH1</i>	A_15_P457595	-2.151	-1.105	3.04E-03
<i>MRPL39</i>	A_15_P470685	1.838	0.878	1.61E-03
<i>MRPL9</i>	A_15_P204981	-1.896	-0.923	2.02E-02
<i>MRPS14</i>	A_15_P265666	-1.551	-0.634	1.87E-02
<i>MRPS22</i>	A_15_P722061	-2.090	-1.064	2.81E-02
	A_15_P165204	-2.965	-1.568	4.33E-02
<i>MRPS23</i>	A_15_P119112	-1.711	-0.775	3.63E-02
<i>MSI2</i>	A_15_P179291	-1.599	-0.677	4.85E-02
	A_15_P116765	-1.570	-0.651	1.53E-02
<i>MSMO1</i>	A_15_P117765	-1.983	-0.987	5.96E-04
<i>MSRB1</i>	A_15_P149811	-1.972	-0.980	3.69E-02
	A_15_P119551	-1.694	-0.760	1.90E-02
	A_15_P392857	-1.593	-0.672	4.69E-02
<i>MSRB2</i>	A_15_P100974	-2.357	-1.237	6.76E-03
	A_15_P156591	-1.866	-0.900	4.17E-02
<i>MTAP</i>	A_15_P695231	-1.549	-0.631	2.10E-02
	A_15_P230221	-1.552	-0.634	2.10E-02
<i>MTDH</i>	A_15_P120409	-1.671	-0.741	1.38E-03
	A_15_P204566	-1.674	-0.743	1.29E-03
<i>MTHFD1L</i>	A_15_P192441	1.855	0.891	3.44E-02
<i>MTHFR</i>	A_15_P117151	1.544	0.627	3.59E-02

<i>MTIF2</i>	A_15_P172631	-1.572	-0.653	1.18E-02
<i>MTRF1</i>	A_15_P227096	2.297	1.199	8.82E-03
<i>MTRR</i>	A_15_P177246	-1.613	-0.689	4.03E-02
<i>MTSS1L</i>	A_15_P194976	1.526	0.610	3.79E-03
<i>MTUS1</i>	A_15_P200106	-1.811	-0.857	9.80E-03
<i>MTX1</i>	A_15_P721136	-1.643	-0.717	2.52E-02
<i>MYBPC2</i>	A_15_P196131	18.621	4.219	4.99E-02
	A_15_P416060	18.299	4.194	4.49E-02
<i>MYC</i>	A_15_P100897	-1.958	-0.969	1.42E-02
<i>MYCBP2</i>	A_15_P354613	1.603	0.681	2.25E-02
<i>MYCL</i>	A_15_P238901	-1.838	-0.878	6.14E-03
	A_15_P659166	-1.789	-0.839	4.29E-02
<i>MYH11</i>	A_15_P658511	-1.762	-0.818	4.20E-02
<i>MYH4</i>	A_15_P331879	12.430	3.636	4.80E-02
	A_15_P624916	17.966	4.167	2.60E-02
	A_15_P542682	14.041	3.812	4.11E-02
	A_15_P722036	10.497	3.392	2.53E-02
	A_15_P655096	35.296	5.141	3.77E-02
	A_15_P511817	23.429	4.550	3.47E-02
	A_15_P177831	23.112	4.531	4.54E-02
<i>MYL1</i>	A_15_P107336	13.058	3.707	4.61E-02
	A_15_P100247	29.453	4.880	2.39E-02
<i>MYLPF</i>	A_15_P331464	26.132	4.708	4.24E-02
<i>MYO18A</i>	A_15_P305591	2.313	1.210	1.44E-02
<i>MYO1B</i>	A_15_P114176	-1.801	-0.849	2.02E-03
<i>MYO6</i>	A_15_P191491	1.720	0.783	1.77E-02
<i>MYO9B</i>	A_15_P528542	1.703	0.768	5.89E-03
<i>MYOZ1</i>	A_15_P149696	11.061	3.467	4.62E-02
	A_15_P621961	10.525	3.396	3.12E-02
<i>N4BP2</i>	A_15_P200321	-1.524	-0.608	8.97E-03
	A_15_P587887	-1.567	-0.648	4.70E-02
<i>NAA60</i>	A_15_P162916	-1.846	-0.885	1.06E-02
<i>NAGK</i>	A_15_P722951	-2.176	-1.122	2.09E-02
<i>NALCN</i>	A_15_P229496	1.745	0.803	1.31E-02
<i>NAMPT</i>	A_15_P111592	1.904	0.929	1.50E-02
<i>NANS</i>	A_15_P119567	-1.512	-0.596	3.81E-02
	A_15_P109964	-1.931	-0.950	1.80E-02
<i>NAPA</i>	A_15_P323431	-1.763	-0.818	4.32E-02
<i>NAPB</i>	A_15_P104186	1.511	0.595	2.02E-03
<i>NAPG</i>	A_15_P634587	-1.570	-0.651	4.85E-02
<i>NATD1</i>	A_15_P107353	1.589	0.668	1.01E-02
<i>NAV2</i>	A_15_P460325	1.958	0.970	3.27E-03
	A_15_P555077	-2.418	-1.274	1.12E-02
<i>NBAS</i>	A_15_P744021	-1.652	-0.724	3.12E-02
<i>NCAM2</i>	A_15_P119660	-1.715	-0.778	4.26E-02
<i>NCDN</i>	A_15_P495692	3.046	1.607	3.90E-03
	A_15_P604642	2.434	1.283	3.63E-02
<i>NCOR1</i>	A_15_P147046	2.082	1.058	1.05E-02
	A_15_P380565	2.437	1.285	2.17E-02
<i>NCS1</i>	A_15_P103177	-1.683	-0.751	1.08E-02
	A_15_P146481	-1.770	-0.824	4.08E-02
<i>NDRG3</i>	A_15_P121322	1.885	0.915	3.99E-02
<i>NDRG4</i>	A_15_P446395	1.602	0.680	4.11E-02

<i>NDST3</i>	A_15_P399112	2.063	1.045	2.64E-02
<i>NDUFS5</i>	A_15_P209651	-1.522	-0.606	2.64E-04
	A_15_P113975	-1.557	-0.639	2.43E-03
<i>NEK7</i>	A_15_P118366	-1.609	-0.686	3.37E-02
<i>NELL2</i>	A_15_P119250	1.522	0.606	2.95E-02
	A_15_P376280	1.511	0.596	4.36E-03
<i>NETO1</i>	A_15_P156646	-1.653	-0.725	7.60E-03
	A_15_P257861	-1.803	-0.851	4.35E-02
<i>NETO2</i>	A_15_P282661	4.050	2.018	2.36E-03
<i>NEURL1</i>	A_15_P151501	-1.630	-0.705	1.66E-02
<i>NEUROD6</i>	A_15_P603012	-1.724	-0.786	1.08E-02
<i>NFASC</i>	A_15_P454015	-1.705	-0.770	3.08E-02
<i>NFX1</i>	A_15_P322186	1.605	0.682	4.86E-02
	A_15_P113887	1.533	0.617	1.43E-02
<i>NFYA</i>	A_15_P180056	-1.609	-0.686	1.56E-02
<i>NGLY1</i>	A_15_P113712	-1.563	-0.645	2.53E-02
<i>NHLH2</i>	A_15_P103769	-1.519	-0.603	4.83E-02
<i>NHP2</i>	A_15_P133591	-1.547	-0.629	3.61E-03
<i>NHS</i>	A_15_P258892	1.635	0.710	2.56E-02
<i>NINJ1</i>	A_15_P582157	-2.113	-1.079	2.13E-02
<i>NIPBL</i>	A_15_P106479	-3.266	-1.708	9.09E-03
<i>NIPSNAP1</i>	A_15_P162411	-2.045	-1.032	1.24E-02
<i>NIT1</i>	A_15_P348550	1.673	0.743	4.04E-02
<i>NKX2-2</i>	A_15_P102653	-3.306	-1.725	3.85E-02
<i>NLGN1</i>	A_15_P632481	-1.783	-0.835	2.21E-02
<i>NLGN3</i>	A_15_P145826	-1.635	-0.710	4.89E-03
<i>NLK</i>	A_15_P143166	-1.590	-0.669	3.28E-02
	A_15_P626081	2.067	1.048	2.69E-02
<i>NME3</i>	A_15_P104135	-1.628	-0.703	5.41E-03
	A_15_P105189	-1.668	-0.738	1.34E-03
<i>NMRK2</i>	A_15_P137531	-2.009	-1.006	4.46E-02
<i>NOG</i>	A_15_P117655	-2.040	-1.028	2.43E-02
	A_15_P121041	-1.529	-0.613	4.14E-02
<i>NOLC1</i>	A_15_P196956	-1.648	-0.721	1.75E-02
<i>NOP2</i>	A_15_P134332	-1.505	-0.590	1.27E-02
<i>NOP58</i>	A_15_P275746	-1.523	-0.607	3.64E-02
	A_15_P185356	-1.538	-0.621	8.08E-03
<i>NOTCH3</i>	A_15_P131536	3.892	1.961	2.81E-03
<i>NOVA1</i>	A_15_P502982	1.500	0.585	1.98E-02
<i>NPBWR1</i>	A_15_P364600	-3.926	-1.973	3.77E-02
<i>NPEPL1</i>	A_15_P571412	1.768	0.822	1.24E-02
<i>NPEPPS</i>	A_15_P257916	1.830	0.872	5.60E-03
<i>NPTX2</i>	A_15_P155591	1.637	0.711	3.71E-02
<i>NROB1</i>	A_15_P130741	-1.801	-0.849	4.21E-02
<i>NR1D2</i>	A_15_P735876	-3.709	-1.891	2.42E-02
	A_15_P433290	-5.547	-2.472	1.27E-02
<i>NR2E1</i>	A_15_P131331	-1.842	-0.881	4.59E-02
<i>NR2F2</i>	A_15_P736021	-1.846	-0.885	1.73E-02
<i>NR3C1</i>	A_15_P194346	-1.510	-0.594	5.26E-03
<i>NRARP</i>	A_15_P656871	2.175	1.121	3.81E-02
<i>NRD1</i>	A_15_P741781	-1.684	-0.752	4.11E-03
	A_15_P614357	-1.635	-0.709	4.84E-04
<i>NRIP1</i>	A_15_P130756	-1.777	-0.829	5.43E-03
	A_15_P245821	1.693	0.760	3.22E-02

<i>NRXN1</i>	A_15_P166701	-1.814	-0.860	2.64E-03
<i>NRXN2</i>	A_15_P195776	1.925	0.945	2.02E-02
	A_15_P759521	2.950	1.561	3.26E-02
<i>NSD1</i>	A_15_P191366	1.522	0.606	1.52E-02
<i>NSDHL</i>	A_15_P401780	-1.556	-0.638	4.81E-02
	A_15_P210806	-2.129	-1.090	4.89E-03
	A_15_P148841	-2.229	-1.156	4.73E-03
<i>NSF</i>	A_15_P153006	-1.562	-0.644	3.10E-02
<i>NT5C1A</i>	A_15_P182621	1.931	0.950	4.68E-02
<i>NT5C3A</i>	A_15_P720491	-1.556	-0.637	4.44E-02
	A_15_P104284	-1.637	-0.711	4.41E-03
<i>NT5DC1</i>	A_15_P500437	1.543	0.626	4.34E-02
	A_15_P179746	1.644	0.717	1.28E-02
<i>NT5E</i>	A_15_P107850	7.202	2.848	1.42E-02
	A_15_P720086	3.234	1.693	6.04E-03
	A_15_P549377	-6.750	-2.755	1.73E-02
<i>NTS</i>	A_15_P282771	-2.122	-1.085	2.37E-02
<i>NTSR1</i>	A_15_P762141	-1.757	-0.813	3.27E-02
<i>NUAK1</i>	A_15_P159261	2.168	1.116	4.06E-02
<i>NUB1</i>	A_15_P737641	-1.955	-0.967	4.28E-03
	A_15_P347100	-1.836	-0.876	4.24E-03
	A_15_P349805	-1.879	-0.910	5.24E-03
<i>NUCB1</i>	A_15_P192881	-1.649	-0.721	1.34E-02
<i>NUCKS1</i>	A_15_P183396	-2.290	-1.195	2.07E-04
<i>NUDT1</i>	A_15_P114793	-2.038	-1.027	1.33E-02
<i>NUDT19</i>	A_15_P547622	1.759	0.815	1.29E-02
<i>NUDT5</i>	A_15_P304016	-2.201	-1.138	4.06E-02
	A_15_P100474	-2.340	-1.227	1.40E-02
<i>NUF2</i>	A_15_P118024	-1.900	-0.926	2.21E-02
<i>NUMBL</i>	A_15_P663876	1.619	0.695	4.87E-03
	A_15_P176736	1.528	0.612	3.97E-02
<i>NUP160</i>	A_15_P109150	1.610	0.687	2.85E-02
<i>NUP54</i>	A_15_P725561	2.185	1.128	4.05E-03
<i>NUP93</i>	A_15_P331624	1.925	0.945	8.55E-04
<i>NUTF2</i>	A_15_P380440	-2.018	-1.013	1.01E-02
	A_15_P624946	-1.537	-0.620	1.05E-02
<i>NWD1</i>	A_15_P386870	2.915	1.543	1.87E-02
<i>NXNL2</i>	A_15_P113454	-2.391	-1.258	3.60E-02
<i>OCRL</i>	A_15_P216106	-1.637	-0.711	5.63E-03
<i>ONECUT1</i>	A_15_P142826	1.848	0.886	1.77E-02
<i>ONECUT3</i>	A_15_P761771	2.457	1.297	4.73E-02
<i>OPA1</i>	A_15_P113446	-1.648	-0.720	3.11E-02
<i>OPRD1</i>	A_15_P658621	-1.738	-0.797	1.73E-02
<i>ORMDL1</i>	A_15_P579592	-1.667	-0.737	2.51E-02
<i>OSBPL10</i>	A_15_P118163	2.216	1.148	2.77E-02
<i>OSBPL2</i>	A_15_P161471	-1.835	-0.876	5.97E-03
<i>OSBPL8</i>	A_15_P158761	1.904	0.929	1.74E-03
<i>OSGEP</i>	A_15_P113817	-1.625	-0.701	4.92E-02
<i>OSTF1</i>	A_15_P621626	-1.507	-0.591	3.25E-02
	A_15_P145476	-1.601	-0.679	3.96E-02
<i>OTOL1</i>	A_15_P163266	-1.692	-0.759	2.67E-02
<i>OTUD6B</i>	A_15_P110221	-1.816	-0.860	2.81E-02
<i>OTULIN</i>	A_15_P114253	-2.215	-1.147	1.18E-02
<i>OXSRI</i>	A_15_P439960	-1.631	-0.705	3.75E-03

<i>P4HA1</i>	A_15_P639016	-1.813	-0.858	2.85E-02
<i>PA2G4</i>	A_15_P443250	-1.533	-0.616	4.77E-02
<i>PABPC1</i>	A_15_P434175	1.589	0.668	5.21E-03
<i>PABPC3</i>	A_15_P656726	1.822	0.866	2.11E-02
	A_15_P736096	1.557	0.639	1.23E-02
	A_15_P133836	1.763	0.818	1.19E-02
<i>PACSN1</i>	A_15_P186241	-1.598	-0.676	1.14E-02
<i>PAFAH1B1</i>	A_15_P163541	-1.713	-0.777	1.22E-02
<i>PAIP1</i>	A_15_P104747	-1.988	-0.991	1.24E-04
<i>PAK1</i>	A_15_P282616	1.742	0.800	2.19E-02
<i>PAK2</i>	A_15_P446725	2.034	1.024	4.01E-02
<i>PALB2</i>	A_15_P497442	-1.887	-0.916	1.17E-02
	A_15_P472400	-2.253	-1.172	2.55E-02
<i>PALM3</i>	A_15_P768116	-1.585	-0.664	3.66E-02
<i>PALMD</i>	A_15_P517412	-1.833	-0.874	3.75E-02
<i>PAN3</i>	A_15_P105498	-2.854	-1.513	4.75E-03
<i>PAOX</i>	A_15_P442225	-2.060	-1.043	4.45E-03
<i>PARN</i>	A_15_P710006	1.809	0.856	2.68E-02
	A_15_P444255	2.496	1.319	3.63E-04
<i>PARP12</i>	A_15_P399300	2.016	1.011	4.28E-02
<i>PATL2</i>	A_15_P450205	-3.103	-1.634	3.41E-02
<i>PAX7</i>	A_15_P107848	1.504	0.589	1.54E-02
<i>PAXIP1</i>	A_15_P719551	-1.619	-0.695	2.39E-02
	A_15_P364895	-1.624	-0.699	4.98E-02
<i>PBDC1</i>	A_15_P157731	-1.560	-0.641	2.57E-02
<i>PBX4</i>	A_15_P421685	1.793	0.843	2.33E-02
<i>PCBP2</i>	A_15_P739351	1.566	0.647	7.25E-03
<i>PCDH10</i>	A_15_P131716	1.844	0.883	3.33E-02
<i>PCDH17</i>	A_15_P179911	-1.670	-0.740	4.20E-02
<i>PCDH19</i>	A_15_P101631	1.881	0.912	3.00E-02
<i>PCDHB3</i>	A_15_P102070	2.037	1.026	1.95E-02
<i>PCF11</i>	A_15_P109373	1.606	0.683	3.81E-02
<i>PCGF5</i>	A_15_P544282	-2.220	-1.150	4.42E-03
	A_15_P731191	-2.046	-1.033	2.86E-02
	A_15_P533207	-1.867	-0.900	1.49E-02
<i>PCNA</i>	A_15_P322966	-2.512	-1.329	3.92E-02
	A_15_P105183	-2.702	-1.434	2.00E-02
	A_15_P744731	-2.561	-1.357	3.60E-02
<i>PCNX</i>	A_15_P197881	1.743	0.802	3.70E-02
<i>PCNXL2</i>	A_15_P558357	1.728	0.789	3.17E-02
<i>PCP4</i>	A_15_P289011	-1.722	-0.784	2.45E-02
<i>PCSK2</i>	A_15_P685166	1.570	0.650	5.94E-03
<i>PCYT2</i>	A_15_P100181	-1.528	-0.611	1.44E-03
	A_15_P512947	-1.892	-0.920	4.09E-03
<i>PDAP1</i>	A_15_P166606	-1.607	-0.685	3.17E-02
	A_15_P223011	-1.568	-0.649	3.39E-02
<i>PDC</i>	A_15_P113248	2.964	1.567	4.54E-02
<i>PDE4D</i>	A_15_P189111	1.529	0.613	4.50E-02
<i>PDE6H</i>	A_15_P675851	1.918	0.939	4.68E-02
<i>PDE8B</i>	A_15_P484865	2.486	1.314	4.23E-02
<i>PDGFA</i>	A_15_P228266	1.569	0.650	1.90E-02
<i>PDHX</i>	A_15_P259226	1.978	0.984	1.38E-02
	A_15_P732081	1.746	0.804	1.08E-02
<i>PK2</i>	A_15_P105148	-2.426	-1.279	2.39E-02

<i>PDK4</i>	A_15_P182791	-2.956	-1.563	3.22E-02
<i>PDPR</i>	A_15_P444321	2.429	1.280	2.30E-02
<i>PDS5A</i>	A_15_P551752	1.630	0.705	1.08E-02
<i>PDZD2</i>	A_15_P289931	1.721	0.784	2.97E-02
<i>PDZD8</i>	A_15_P283946	2.029	1.021	2.69E-02
<i>PDZK1IP1</i>	A_15_P746876	1.805	0.852	9.45E-04
<i>PEAK1</i>	A_15_P403710	1.779	0.831	4.76E-02
<i>PER2</i>	A_15_P456650	1.675	0.744	2.64E-02
	A_15_P286166	2.409	1.268	1.78E-02
<i>PEX14</i>	A_15_P368365	-1.653	-0.725	2.58E-02
<i>PEX26</i>	A_15_P106272	-1.506	-0.590	4.95E-02
<i>PFDN2</i>	A_15_P231931	-2.133	-1.093	1.45E-02
<i>PFDN4</i>	A_15_P115065	-2.527	-1.337	3.59E-02
<i>PFDN5</i>	A_15_P327881	2.230	1.157	4.34E-02
<i>PFKP</i>	A_15_P244116	-2.185	-1.128	4.90E-02
	A_15_P100084	-1.525	-0.609	1.24E-02
<i>PFN2</i>	A_15_P732686	-1.681	-0.749	2.78E-02
	A_15_P703836	-1.778	-0.830	9.49E-03
	A_15_P574682	-1.816	-0.861	1.02E-02
<i>PGAM1</i>	A_15_P604097	-2.008	-1.006	6.38E-03
<i>PGGT1B</i>	A_15_P543322	1.722	0.784	3.04E-02
	A_15_P220581	2.013	1.009	1.13E-02
	A_15_P730931	1.706	0.771	4.51E-02
<i>PGM3</i>	A_15_P114056	-1.863	-0.898	4.32E-02
<i>PGR</i>	A_15_P166236	-2.781	-1.476	1.36E-02
<i>PHACTR4</i>	A_15_P540932	1.507	0.592	2.08E-02
<i>PHEX</i>	A_15_P119527	-2.005	-1.004	4.15E-02
<i>PHF23</i>	A_15_P118377	-1.572	-0.653	1.79E-02
<i>PHF6</i>	A_15_P119247	-1.545	-0.628	3.44E-02
<i>PHF8</i>	A_15_P243865	1.599	0.677	2.65E-02
<i>PHKA1</i>	A_15_P144866	-1.886	-0.916	3.03E-02
	A_15_P111581	-1.817	-0.861	4.02E-02
<i>PHKA2</i>	A_15_P307301	2.029	1.021	2.73E-02
<i>PHKG2</i>	A_15_P209941	-1.979	-0.985	1.27E-02
	A_15_P102397	-1.691	-0.757	2.49E-02
<i>PHLDA2</i>	A_15_P303961	-1.562	-0.643	2.73E-04
<i>PHLDB1</i>	A_15_P239836	2.181	1.125	4.97E-02
<i>PHYH</i>	A_15_P117891	-1.580	-0.660	4.74E-03
<i>PHYHIPL</i>	A_15_P204166	-1.509	-0.593	3.31E-02
<i>PI4KA</i>	A_15_P490587	1.818	0.862	3.83E-02
	A_15_P428915	-1.570	-0.650	2.84E-02
<i>PIAS1</i>	A_15_P121203	1.506	0.591	1.58E-02
<i>PID1</i>	A_15_P365750	2.439	1.286	1.82E-02
	A_15_P613592	2.673	1.419	8.52E-04
	A_15_P767831	2.491	1.317	4.66E-02
	A_15_P720276	2.508	1.326	1.14E-02
	A_15_P114393	1.587	0.666	2.38E-03
<i>PIGA</i>	A_15_P201686	-1.823	-0.867	3.68E-02
<i>PIGF</i>	A_15_P116871	-1.637	-0.711	4.19E-02
<i>PIGL</i>	A_15_P287766	-1.655	-0.727	3.24E-02
<i>PIK3C2A</i>	A_15_P200961	-2.399	-1.262	3.04E-03
<i>PIK3R3</i>	A_15_P660296	1.658	0.729	1.43E-02
<i>PIM1</i>	A_15_P174096	-1.714	-0.778	2.05E-02
	A_15_P177156	-1.813	-0.859	2.69E-02

<i>PIN4</i>	A_15_P120022	-1.522	-0.606	4.03E-03
<i>PINX1</i>	A_15_P656736	-1.559	-0.640	2.59E-02
<i>PIP4K2A</i>	A_15_P424555	-2.196	-1.135	2.97E-02
	A_15_P517957	-1.722	-0.784	1.16E-02
<i>PIP4K2C</i>	A_15_P173491	-1.501	-0.586	3.73E-03
<i>PIPOX</i>	A_15_P165496	-1.775	-0.828	6.03E-03
<i>PITX1</i>	A_15_P626171	1.639	0.713	4.88E-02
<i>PIWIL1</i>	A_15_P627621	-1.571	-0.651	1.04E-02
	A_15_P189906	-1.554	-0.636	1.18E-02
<i>PKIB</i>	A_15_P105856	-2.119	-1.083	3.60E-02
<i>PKN1</i>	A_15_P667241	1.730	0.791	4.83E-02
<i>PLA2G12B</i>	A_15_P588037	1.590	0.669	1.56E-02
	A_15_P103131	-4.378	-2.130	3.60E-02
<i>PLA2G15</i>	A_15_P136741	-1.507	-0.592	4.29E-02
<i>PLA2G4C</i>	A_15_P445670	-2.218	-1.149	4.67E-02
<i>PLAG1</i>	A_15_P177601	-1.918	-0.940	5.62E-03
<i>PLCB3</i>	A_15_P266106	1.695	0.761	3.94E-02
<i>PLCB4</i>	A_15_P143701	1.695	0.762	4.72E-02
<i>PLCH2</i>	A_15_P220536	3.081	1.623	5.36E-03
<i>PLD1</i>	A_15_P102144	-2.240	-1.163	1.39E-02
<i>PLEC</i>	A_15_P561927	-1.789	-0.839	9.96E-03
<i>PLEK2</i>	A_15_P625457	1.549	0.631	2.39E-02
<i>PLEKHA1</i>	A_15_P103416	-1.664	-0.734	2.36E-02
<i>PLEKHF2</i>	A_15_P118763	1.519	0.603	1.95E-02
<i>PLEKHG5</i>	A_15_P269541	1.816	0.861	3.11E-02
<i>PLEKHG7</i>	A_15_P384021	2.703	1.434	4.51E-03
<i>PLEKHJ1</i>	A_15_P731216	-1.528	-0.611	6.75E-03
	A_15_P199651	-1.570	-0.651	4.76E-02
	A_15_P104056	-1.816	-0.861	1.91E-02
<i>PLK2</i>	A_15_P272086	1.514	0.598	3.41E-02
<i>PLOD2</i>	A_15_P156376	-3.164	-1.662	1.41E-02
<i>PLSCR1</i>	A_15_P193626	-1.520	-0.604	1.75E-03
	A_15_P117823	-1.500	-0.585	3.98E-02
<i>PLXNA1</i>	A_15_P655476	1.948	0.962	4.61E-02
<i>PNKP</i>	A_15_P571326	2.209	1.144	4.62E-02
<i>PNN</i>	A_15_P580782	-2.051	-1.036	1.63E-04
<i>PNPT1</i>	A_15_P374070	1.930	0.949	2.07E-02
<i>PNRC1</i>	A_15_P747431	1.956	0.968	1.16E-02
	A_15_P570672	1.605	0.683	8.42E-03
	A_15_P487440	2.302	1.203	1.43E-02
<i>POFUT1</i>	A_15_P195926	-2.011	-1.008	9.92E-03
<i>POGZ</i>	A_15_P471896	1.748	0.805	2.40E-02
<i>POLB</i>	A_15_P366165	-1.536	-0.619	8.99E-03
<i>POLD3</i>	A_15_P120857	-1.574	-0.655	8.37E-05
<i>POLR1A</i>	A_15_P101296	-1.512	-0.597	1.53E-03
<i>POLR2G</i>	A_15_P659356	-1.719	-0.781	4.09E-02
<i>POLR2I</i>	A_15_P117542	-1.543	-0.626	7.74E-03
	A_15_P119697	-1.631	-0.706	3.52E-03
<i>POLR3G</i>	A_15_P256601	-3.449	-1.786	3.30E-02
<i>POMC</i>	A_15_P195406	-2.942	-1.557	3.48E-02
<i>POMP</i>	A_15_P118871	-1.926	-0.945	4.41E-02
<i>POMT1</i>	A_15_P169691	-1.618	-0.694	2.93E-02
	A_15_P147271	-2.014	-1.010	1.03E-02
	A_15_P603607	-1.675	-0.744	1.30E-02

<i>POSTN</i>	A_15_P755806	-1.933	-0.951	2.10E-02
<i>POU3F1</i>	A_15_P179791	-2.420	-1.275	1.18E-02
<i>POU3F2</i>	A_15_P644331	-1.793	-0.843	1.55E-02
<i>POU3F3</i>	A_15_P119411	1.642	0.715	2.16E-02
	A_15_P658696	-1.612	-0.689	2.57E-02
<i>PPA2</i>	A_15_P107293	-1.668	-0.738	2.05E-02
	A_15_P276976	-1.740	-0.799	7.36E-03
	A_15_P720701	-1.560	-0.641	4.86E-02
	A_15_P115334	-1.828	-0.870	6.34E-03
<i>PPFIA1</i>	A_15_P442260	1.617	0.693	1.76E-02
	A_15_P686386	2.453	1.295	3.82E-02
<i>PPFIA4</i>	A_15_P237576	1.572	0.652	3.67E-02
<i>PPFIBP1</i>	A_15_P394775	-1.790	-0.840	3.99E-02
<i>PPIA</i>	A_15_P349860	-1.814	-0.859	2.05E-02
<i>PPIH</i>	A_15_P194331	-1.659	-0.730	2.87E-02
<i>PPIL2</i>	A_15_P101938	-1.736	-0.796	2.66E-02
	A_15_P231261	-1.599	-0.677	2.43E-02
<i>PPIL4</i>	A_15_P425565	1.581	0.661	1.49E-02
<i>PPM1B</i>	A_15_P115240	-1.659	-0.730	3.53E-03
<i>PPM1N</i>	A_15_P320953	1.546	0.629	3.77E-02
<i>PPP1CC</i>	A_15_P435865	-1.539	-0.622	4.23E-02
<i>PPP1R12C</i>	A_15_P164156	-2.057	-1.040	2.80E-02
	A_15_P745966	-1.505	-0.590	1.70E-02
	A_15_P217031	-1.649	-0.721	4.35E-03
<i>PPP1R14B</i>	A_15_P112472	-1.784	-0.835	1.49E-02
	A_15_P114799	-1.848	-0.886	1.16E-02
<i>PPP1R21</i>	A_15_P418240	2.098	1.069	1.66E-02
	A_15_P107530	1.705	0.770	2.50E-02
<i>PPP1R27</i>	A_15_P186326	5.722	2.517	2.51E-02
	A_15_P174831	9.525	3.252	2.79E-02
	A_15_P188046	3.785	1.920	4.08E-02
<i>PPP2CB</i>	A_15_P103368	-1.533	-0.616	4.63E-02
<i>PPP2R5E</i>	A_15_P116920	-1.521	-0.605	2.14E-04
	A_15_P465315	-1.519	-0.603	3.23E-03
	A_15_P133431	-1.578	-0.658	2.67E-02
<i>PRC1</i>	A_15_P535902	-1.592	-0.671	2.81E-02
<i>PRDX4</i>	A_15_P176306	21.337	4.415	3.46E-02
<i>PREX2</i>	A_15_P156491	-1.767	-0.822	3.93E-02
<i>PRIM1</i>	A_15_P209721	-1.509	-0.594	3.35E-02
<i>PRIMPOL</i>	A_15_P160906	-1.537	-0.620	9.08E-03
	A_15_P662856	-1.906	-0.931	7.14E-03
<i>PRKAG1</i>	A_15_P186276	-1.501	-0.586	3.69E-02
	A_15_P426125	-1.815	-0.860	1.26E-02
<i>PRKCSH</i>	A_15_P112616	-1.669	-0.739	3.34E-02
<i>PRKRIP1</i>	A_15_P147471	-1.544	-0.626	4.87E-03
<i>PRMT1</i>	A_15_P117861	-1.606	-0.684	4.38E-02
	A_15_P119062	-1.652	-0.724	2.32E-02
	A_15_P114252	-1.640	-0.714	2.06E-02
<i>PRMT7</i>	A_15_P659257	1.741	0.800	1.76E-02
<i>PRODH2</i>	A_15_P755056	-1.622	-0.698	3.36E-02
<i>PROZ</i>	A_15_P162991	2.030	1.022	3.30E-02
<i>PRPF38A</i>	A_15_P179246	-1.500	-0.585	1.95E-02
	A_15_P120917	-1.665	-0.735	2.88E-02
<i>PRPF6</i>	A_15_P183221	1.554	0.636	4.54E-02

<i>PRPF8</i>	A_15_P468270	3.819	1.933	2.55E-02
<i>PRPSAP1</i>	A_15_P624496	-1.548	-0.630	1.94E-02
<i>PRRC2A</i>	A_15_P278531	1.908	0.932	1.90E-02
<i>PRRC2B</i>	A_15_P472775	2.205	1.141	2.66E-03
<i>PRRC2C</i>	A_15_P192041	1.905	0.930	4.64E-02
<i>PRRG1</i>	A_15_P596527	2.683	1.424	3.52E-02
<i>PRRX1</i>	A_15_P104149	2.310	1.208	4.10E-02
<i>PRSS23</i>	A_15_P190841	-2.100	-1.071	6.07E-03
<i>PRTFDC1</i>	A_15_P196056	-1.787	-0.837	4.12E-02
	A_15_P417285	-2.125	-1.087	3.96E-02
<i>PRUNE2</i>	A_15_P541822	-1.606	-0.683	7.68E-03
<i>PSENEEN</i>	A_15_P111406	-1.546	-0.629	2.57E-02
	A_15_P620901	-1.681	-0.750	4.16E-02
<i>PSMB3</i>	A_15_P104914	-1.522	-0.606	3.16E-02
<i>PSMC3</i>	A_15_P116353	-1.976	-0.983	4.64E-02
	A_15_P735346	-2.213	-1.146	3.11E-02
<i>PSMC3IP</i>	A_15_P603702	-2.357	-1.237	2.49E-02
	A_15_P222971	-1.538	-0.621	4.21E-02
<i>PSMC6</i>	A_15_P161001	-1.515	-0.599	1.76E-02
<i>PSMD2</i>	A_15_P451620	1.621	0.697	4.21E-02
<i>PSMD7</i>	A_15_P623716	-1.507	-0.591	2.27E-02
<i>PSMD8</i>	A_15_P108087	-1.549	-0.631	1.06E-02
<i>PSME3</i>	A_15_P536587	-1.565	-0.647	2.42E-02
	A_15_P408970	-1.508	-0.592	2.81E-03
<i>PSMG2</i>	A_15_P598447	-1.713	-0.776	2.76E-02
	A_15_P674051	-1.704	-0.769	1.79E-02
	A_15_P114500	-1.725	-0.787	8.20E-03
<i>PTAR1</i>	A_15_P110519	2.366	1.242	2.59E-02
<i>PTBP1</i>	A_15_P694741	-1.836	-0.876	4.59E-02
	A_15_P180241	-1.602	-0.680	3.75E-03
<i>PTBP2</i>	A_15_P691741	-1.535	-0.618	2.46E-02
<i>PTGER4</i>	A_15_P258601	-2.371	-1.246	7.06E-03
	A_15_P400790	4.065	2.023	1.98E-02
<i>PTK2</i>	A_15_P100452	1.796	0.845	3.06E-02
<i>PTMA</i>	A_15_P419522	-1.650	-0.723	8.26E-03
<i>PTPN11</i>	A_15_P110472	-1.513	-0.598	1.30E-02
<i>PTPN13</i>	A_15_P242811	-1.730	-0.791	2.33E-02
<i>PTPRA</i>	A_15_P101473	-1.674	-0.744	2.53E-02
<i>PTPRB</i>	A_15_P273376	1.675	0.745	3.51E-02
<i>PTPRF</i>	A_15_P749802	1.787	0.837	6.96E-03
	A_15_P404745	1.568	0.649	4.31E-02
	A_15_P534968	1.644	0.717	4.99E-02
	A_15_P660396	2.357	1.237	1.30E-02
<i>PTPRK</i>	A_15_P484770	1.673	0.742	1.57E-02
<i>PTPRO</i>	A_15_P747001	1.854	0.890	4.17E-02
	A_15_P650981	1.614	0.691	1.51E-02
<i>PTPRZ1</i>	A_15_P143586	-1.741	-0.800	1.85E-02
<i>PTRHD1</i>	A_15_P184161	-1.699	-0.765	2.93E-03
<i>PUM1</i>	A_15_P103730	1.523	0.607	6.90E-03
<i>PUS7</i>	A_15_P154861	2.517	1.332	2.06E-02
	A_15_P763276	2.124	1.087	4.17E-02
<i>PXK</i>	A_15_P600157	-1.512	-0.596	2.07E-02
<i>PYROXD1</i>	A_15_P504527	1.515	0.599	2.18E-02
<i>QDPR</i>	A_15_P185001	-1.861	-0.896	1.75E-02

<i>QTRT1</i>	A_15_P117054	-1.530	-0.614	2.94E-02
<i>RAB11B</i>	A_15_P398855	-1.823	-0.866	2.71E-02
<i>RAB11FIP3</i>	A_15_P139706	2.397	1.261	1.26E-02
<i>RAB13</i>	A_15_P417545	-1.580	-0.660	2.35E-02
	A_15_P163031	-1.833	-0.874	1.16E-02
	A_15_P119075	-2.079	-1.056	2.04E-02
<i>RAB1B</i>	A_15_P659531	-1.773	-0.827	4.55E-02
<i>RAB24</i>	A_15_P622311	-1.823	-0.866	2.56E-02
<i>RAB30</i>	A_15_P106643	-1.610	-0.687	2.59E-03
<i>RAB36</i>	A_15_P103940	-1.708	-0.772	3.51E-02
<i>RAB3B</i>	A_15_P138166	1.511	0.596	4.51E-02
<i>RAB3GAP1</i>	A_15_P687441	2.160	1.111	1.89E-02
<i>RAB43</i>	A_15_P580232	1.612	0.689	6.83E-03
<i>RAB4B</i>	A_15_P117624	-1.625	-0.700	3.11E-03
<i>RAB5A</i>	A_15_P753291	-1.598	-0.676	1.52E-02
<i>RAB6A</i>	A_15_P492277	-2.023	-1.016	1.07E-03
<i>RAB8A</i>	A_15_P625181	1.609	0.686	1.92E-02
<i>RABL2B</i>	A_15_P752731	-1.871	-0.904	3.96E-02
<i>RABL3</i>	A_15_P376375	-1.889	-0.917	3.46E-02
<i>RAD51D</i>	A_15_P100192	-1.706	-0.770	6.37E-03
	A_15_P149806	-1.702	-0.768	1.61E-03
<i>RAD54L2</i>	A_15_P566142	1.758	0.814	2.64E-02
<i>RALA</i>	A_15_P509027	-2.248	-1.169	6.49E-03
<i>RAP1GAP</i>	A_15_P102570	-1.722	-0.784	6.30E-03
<i>RAPGEF1</i>	A_15_P194731	1.522	0.606	2.71E-02
<i>RASA4</i>	A_15_P481320	-2.032	-1.023	3.90E-02
<i>RASD1</i>	A_15_P195831	-1.679	-0.747	2.40E-02
<i>RASGRF2</i>	A_15_P725351	-1.696	-0.763	2.42E-02
	A_15_P273758	-1.695	-0.761	3.56E-02
<i>RASL10B</i>	A_15_P145926	1.675	0.744	3.99E-02
<i>RASL11A</i>	A_15_P106629	1.636	0.710	3.79E-02
<i>RASSF4</i>	A_15_P197646	-1.957	-0.969	1.63E-02
<i>RAVER2</i>	A_15_P116882	1.901	0.927	4.25E-02
<i>RBM12</i>	A_15_P627081	-1.745	-0.803	3.31E-02
<i>RBM14</i>	A_15_P696956	2.292	1.197	4.00E-02
<i>RBM15B</i>	A_15_P273431	2.404	1.265	8.22E-03
<i>RBM17</i>	A_15_P101956	-1.803	-0.851	7.69E-03
	A_15_P645126	-1.686	-0.754	1.59E-02
<i>RBM24</i>	A_15_P284806	3.136	1.649	1.30E-02
<i>RBM6</i>	A_15_P109546	1.513	0.597	4.74E-02
<i>RBMX2</i>	A_15_P209521	-1.629	-0.704	1.79E-02
	A_15_P102501	-1.653	-0.725	9.69E-03
<i>RBP7</i>	A_15_P186046	4.252	2.088	4.81E-02
<i>RDH14</i>	A_15_P113472	-1.597	-0.675	3.81E-02
<i>RDX</i>	A_15_P436115	-1.977	-0.984	3.67E-02
	A_15_P133561	-1.734	-0.794	6.23E-03
<i>RECQL</i>	A_15_P104496	-2.038	-1.027	1.06E-02
<i>RELL1</i>	A_15_P144891	-1.504	-0.589	1.48E-02
<i>RENBP</i>	A_15_P148896	-2.315	-1.211	3.73E-02
<i>REV3L</i>	A_15_P221846	-2.325	-1.217	3.01E-04
<i>RFWD2</i>	A_15_P207316	-1.983	-0.988	9.93E-05
	A_15_P264861	-1.957	-0.969	4.10E-02
<i>RFX1</i>	A_15_P743086	1.507	0.592	1.90E-02
<i>RFX7</i>	A_15_P213286	2.200	1.138	4.86E-02

<i>RGS16</i>	A_15_P629676	-2.278	-1.188	2.87E-02
<i>RGS7BP</i>	A_15_P383215	-1.677	-0.746	4.95E-03
<i>RHBDL1</i>	A_15_P291271	1.523	0.606	3.47E-02
<i>RHO</i>	A_15_P111884	1.957	0.969	4.64E-02
<i>RHOA</i>	A_15_P542457	-1.553	-0.635	1.41E-02
<i>RHOC</i>	A_15_P133296	-1.762	-0.817	1.93E-02
<i>RIBC1</i>	A_15_P745806	-3.748	-1.906	9.36E-03
	A_15_P545547	-4.786	-2.259	3.64E-03
<i>RILP</i>	A_15_P287341	1.904	0.929	3.41E-02
<i>RILPL2</i>	A_15_P412351	-1.812	-0.857	3.67E-02
	A_15_P113419	-1.665	-0.736	3.69E-02
<i>RIT1</i>	A_15_P198426	-1.849	-0.887	1.53E-02
	A_15_P107332	-2.028	-1.020	1.41E-02
<i>RLTPR</i>	A_15_P167756	1.647	0.720	1.50E-02
<i>RMI1</i>	A_15_P207891	-1.738	-0.797	1.93E-02
	A_15_P627751	-1.830	-0.872	1.78E-02
<i>RMI2</i>	A_15_P477800	-1.758	-0.814	2.31E-02
<i>RN7SK</i>	A_15_P249301	1.844	0.883	1.14E-02
<i>RNASEH1</i>	A_15_P366805	-1.884	-0.914	7.78E-03
<i>RNF141</i>	A_15_P117363	-1.504	-0.589	2.53E-02
<i>RNF150</i>	A_15_P762171	-1.818	-0.862	3.51E-02
<i>RNF175</i>	A_15_P271786	-1.655	-0.727	3.38E-02
<i>RNF2</i>	A_15_P748921	2.000	1.000	2.93E-02
<i>RNF212B</i>	A_15_P498799	3.064	1.615	4.28E-03
<i>RNF213</i>	A_15_P216246	2.567	1.360	3.07E-02
<i>RNF32</i>	A_15_P663696	-1.681	-0.749	3.96E-02
<i>ROBO3</i>	A_15_P130586	1.987	0.991	7.32E-03
<i>ROCK2</i>	A_15_P677436	1.602	0.680	1.93E-02
<i>RP2</i>	A_15_P108294	-1.845	-0.884	4.05E-02
	A_15_P623736	-2.058	-1.042	2.78E-06
	A_15_P365640	-2.480	-1.310	3.57E-03
<i>RPA1</i>	A_15_P110325	-1.551	-0.634	1.98E-02
	A_15_P103944	-1.518	-0.603	6.30E-03
<i>RPA2</i>	A_15_P160886	-1.624	-0.700	4.22E-02
<i>RPAP1</i>	A_15_P297403	1.502	0.587	1.13E-02
<i>RPL9</i>	A_15_P440735	-1.532	-0.615	2.55E-02
<i>RPLP0</i>	A_15_P256271	-1.580	-0.659	4.78E-02
<i>RPRML</i>	A_15_P173141	-3.998	-1.999	4.77E-02
<i>RPS16</i>	A_15_P532942	-1.585	-0.665	3.18E-02
<i>RPS23</i>	A_15_P294871	-1.716	-0.779	5.46E-03
	A_15_P757301	-1.823	-0.866	3.69E-03
	A_15_P180326	-1.608	-0.685	3.39E-03
<i>RPS26</i>	A_15_P104858	-1.553	-0.635	8.30E-03
<i>RPS6KA1</i>	A_15_P658986	-1.623	-0.699	9.18E-04
<i>RPUSD1</i>	A_15_P170816	-2.326	-1.218	5.61E-03
<i>RRAGC</i>	A_15_P171466	-1.521	-0.605	2.91E-02
<i>RRAS</i>	A_15_P432420	-1.594	-0.673	3.27E-02
<i>RREB1</i>	A_15_P503972	-2.472	-1.306	1.92E-02
<i>RRM2</i>	A_15_P456255	-2.061	-1.044	2.17E-03
	A_15_P154211	-1.975	-0.982	1.95E-02
	A_15_P105192	-1.551	-0.634	3.98E-02
	A_15_P528597	-1.712	-0.776	1.73E-02
	A_15_P727796	-1.713	-0.776	2.29E-02
	A_15_P726552	-1.655	-0.727	2.68E-02

	A_15_P506957	-1.890	-0.919	2.00E-02
	A_15_P225316	-1.613	-0.690	3.58E-02
	A_15_P474705	-2.644	-1.403	1.25E-03
<i>RSF1</i>	A_15_P133686	-1.734	-0.794	8.77E-03
	A_15_P117577	-1.660	-0.731	3.98E-03
<i>RSG1</i>	A_15_P664876	-1.633	-0.708	3.67E-02
<i>RTKN2</i>	A_15_P134541	-3.226	-1.690	6.66E-04
<i>RTN3</i>	A_15_P119635	1.528	0.611	1.09E-02
<i>RTN4R</i>	A_15_P631726	-1.618	-0.695	3.57E-02
<i>RTN4RL2</i>	A_15_P620206	-2.680	-1.422	9.47E-03
	A_15_P103219	-5.270	-2.398	1.15E-02
<i>RUNX2</i>	A_15_P252826	-1.898	-0.925	6.11E-03
	A_15_P142811	1.784	0.835	1.07E-02
<i>RUSC1</i>	A_15_P121128	-1.506	-0.591	2.84E-02
<i>RUSC2</i>	A_15_P145946	1.909	0.933	1.53E-02
<i>RYBP</i>	A_15_P239201	-1.805	-0.852	9.33E-04
<i>RYR2</i>	A_15_P332454	2.155	1.108	2.82E-02
	A_15_P241066	2.847	1.509	2.21E-02
<i>S100B</i>	A_15_P100371	-1.744	-0.803	1.76E-02
	A_15_P100416	-1.852	-0.889	4.73E-02
<i>SALL4</i>	A_15_P512832	-2.634	-1.397	2.90E-02
<i>SAMD12</i>	A_15_P182941	2.634	1.397	2.40E-02
<i>SAP130</i>	A_15_P107163	-1.703	-0.768	2.48E-02
<i>SAR1A</i>	A_15_P100331	-1.787	-0.838	3.40E-02
<i>SAT2</i>	A_15_P153216	-1.521	-0.605	3.20E-02
<i>SBK1</i>	A_15_P157191	2.621	1.390	6.43E-03
<i>SBNO1</i>	A_15_P104943	1.754	0.811	3.83E-02
	A_15_P514902	2.967	1.569	7.74E-03
	A_15_P399740	1.694	0.760	4.64E-02
<i>SC5D</i>	A_15_P107141	-1.671	-0.741	4.10E-02
	A_15_P103953	-1.549	-0.631	1.41E-02
	A_15_P721231	-2.049	-1.035	1.56E-02
	A_15_P393020	-2.034	-1.024	2.85E-03
	A_15_P366960	-1.964	-0.974	1.28E-02
<i>SCAMP2</i>	A_15_P506417	-2.229	-1.156	4.79E-02
<i>SCAMP4</i>	A_15_P264546	-2.088	-1.062	4.52E-02
<i>SCD</i>	A_15_P104758	-1.663	-0.734	1.32E-02
	A_15_P607712	-1.932	-0.950	3.78E-03
<i>SCGN</i>	A_15_P106540	-2.422	-1.276	1.12E-03
<i>SCUBE1</i>	A_15_P159311	-1.735	-0.795	8.40E-03
<i>SDCBP</i>	A_15_P279771	-1.673	-0.742	4.03E-04
<i>SDCCAG3</i>	A_15_P265376	-1.509	-0.593	4.24E-02
<i>SEC13</i>	A_15_P152691	-1.516	-0.600	4.57E-03
<i>SEC22A</i>	A_15_P305701	-1.502	-0.587	4.93E-02
<i>SEC24A</i>	A_15_P181556	2.186	1.128	3.15E-02
<i>SEC31A</i>	A_15_P116778	1.797	0.845	2.68E-03
<i>SEC61A1</i>	A_15_P108417	-1.556	-0.638	1.98E-03
	A_15_P416760	1.595	0.674	3.40E-02
<i>SEMA3A</i>	A_15_P236951	-2.024	-1.017	4.90E-03
	A_15_P578347	-1.596	-0.674	4.24E-02
<i>SEMA4A</i>	A_15_P596442	-2.024	-1.017	3.11E-02
<i>SEMA4C</i>	A_15_P130691	2.084	1.059	1.59E-02
<i>SEMA6A</i>	A_15_P113425	1.996	0.997	7.92E-03
	A_15_P190066	2.167	1.116	4.64E-02

	A_15_P399235	2.620	1.390	1.14E-02
SEPN1	A_15_P627646	-1.645	-0.718	1.30E-02
	A_15_P413198	-1.675	-0.744	1.74E-03
	A_15_P175341	-1.668	-0.738	5.28E-03
SEPT12	A_15_P187421	-1.546	-0.628	1.20E-02
	A_15_P112715	-1.969	-0.978	2.13E-02
SERPINH1	A_15_P613477	-1.783	-0.835	6.43E-03
	A_15_P100880	2.594	1.375	3.52E-02
	A_15_P106877	2.882	1.527	3.50E-02
	A_15_P100253	2.168	1.117	4.25E-02
	A_15_P272571	3.693	1.885	1.71E-02
	A_15_P263671	2.436	1.284	4.61E-02
SETD1A	A_15_P231826	2.089	1.063	4.12E-02
SETD8	A_15_P179467	-2.025	-1.018	4.43E-02
SF1	A_15_P114375	-1.694	-0.760	2.38E-02
SF3B3	A_15_P240891	2.706	1.436	6.51E-03
SFRP1	A_15_P553022	-1.516	-0.600	3.11E-02
SGSH	A_15_P416555	-1.642	-0.716	5.19E-03
SH2D1A	A_15_P378150	-1.622	-0.697	2.90E-02
SH3BGRL	A_15_P682131	1.576	0.656	4.83E-02
SH3GLB1	A_15_P215021	-1.636	-0.710	3.17E-02
SH3GLB2	A_15_P151736	1.656	0.728	4.71E-02
SHC1	A_15_P406940	1.762	0.817	1.17E-02
	A_15_P516547	-1.718	-0.780	4.17E-02
SHCBP1	A_15_P151376	-2.087	-1.061	2.14E-02
SHH	A_15_P161816	-2.990	-1.580	3.19E-02
SHROOM2	A_15_P602652	-3.319	-1.731	1.06E-02
SIAE	A_15_P207946	-2.371	-1.246	4.52E-02
SKA1	A_15_P113521	-2.382	-1.252	6.60E-03
	A_15_P366560	-5.062	-2.340	2.70E-03
SKI	A_15_P111860	-1.548	-0.630	2.87E-02
SKOR1	A_15_P144411	-2.497	-1.320	4.68E-02
SLC11A2	A_15_P130351	1.690	0.757	1.95E-02
SLC12A5	A_15_P260386	1.828	0.871	2.70E-02
SLC12A9	A_15_P507387	1.741	0.800	2.09E-02
SLC16A9	A_15_P501012	-1.980	-0.986	2.96E-03
SLC17A5	A_15_P169006	-1.762	-0.817	4.21E-02
SLC17A6	A_15_P196506	-1.548	-0.630	1.39E-03
SLC18A2	A_15_P376755	-1.823	-0.866	4.29E-02
SLC22A13	A_15_P610982	-2.559	-1.356	3.38E-02
SLC22A4	A_15_P378055	1.678	0.747	4.31E-02
SLC25A12	A_15_P185186	1.847	0.885	2.13E-02
SLC25A13	A_15_P375255	-1.830	-0.872	8.17E-03
SLC25A14	A_15_P110932	1.628	0.703	4.00E-03
SLC25A17	A_15_P187261	-2.150	-1.104	5.48E-03
	A_15_P206976	-1.533	-0.616	3.34E-02
	A_15_P748976	-2.310	-1.208	1.55E-02
	A_15_P615747	-3.468	-1.794	9.26E-03
SLC25A24	A_15_P115592	-1.784	-0.835	1.58E-02
SLC25A37	A_15_P721551	1.780	0.832	1.38E-02
SLC25A4	A_15_P120885	7.449	2.897	3.88E-02
	A_15_P117984	7.651	2.936	4.57E-02
SLC25A48	A_15_P210836	-1.818	-0.863	3.31E-02
	A_15_P728101	-2.256	-1.174	3.37E-02

	A_15_P580217	-1.919	-0.940	3.38E-02
SLC26A1	A_15_P258291	-1.946	-0.961	5.03E-03
SLC27A1	A_15_P624066	-1.767	-0.822	3.01E-02
SLC27A2	A_15_P104073	-4.904	-2.294	1.80E-02
SLC27A4	A_15_P365295	-1.832	-0.874	3.46E-02
	A_15_P195796	-1.803	-0.850	1.10E-02
SLC29A1	A_15_P365795	1.664	0.734	3.34E-02
SLC29A2	A_15_P172706	-2.464	-1.301	3.08E-02
SLC29A4	A_15_P115594	-1.939	-0.956	3.01E-02
SLC2A10	A_15_P160156	-1.775	-0.827	3.29E-02
SLC30A9	A_15_P119060	-1.613	-0.689	2.30E-02
SLC35B4	A_15_P105841	-1.736	-0.795	4.21E-02
SLC35E3	A_15_P104408	-3.102	-1.633	9.75E-03
SLC35F2	A_15_P492922	-1.767	-0.821	3.09E-02
SLC38A4	A_15_P316916	-2.687	-1.426	2.52E-02
	A_15_P699556	-2.252	-1.171	2.96E-02
SLC38A5	A_15_P393205	-1.752	-0.809	4.70E-02
SLC39A10	A_15_P118323	-1.588	-0.667	1.62E-02
SLC3A2	A_15_P107639	-1.518	-0.602	2.61E-02
SLC46A3	A_15_P551062	-2.228	-1.156	6.68E-03
	A_15_P492092	1.705	0.770	1.75E-02
SLC4A4	A_15_P104924	-1.843	-0.882	2.16E-02
SLC5A6	A_15_P171546	1.784	0.835	1.02E-02
SLC6A19	A_15_P140526	-1.920	-0.941	3.31E-02
SLC6A3	A_15_P668576	2.278	1.188	2.17E-02
	A_15_P284396	1.776	0.828	4.08E-02
SLC6A9	A_15_P418868	-2.137	-1.095	3.51E-02
SLC7A10	A_15_P546612	-2.423	-1.277	3.69E-02
SLC8A1	A_15_P570817	1.815	0.860	1.50E-02
SLC8A2	A_15_P168606	1.969	0.978	1.22E-02
SLF2	A_15_P389910	-1.918	-0.940	1.03E-02
SLTM	A_15_P510672	1.522	0.606	2.82E-02
SLU7	A_15_P227181	-1.586	-0.666	4.92E-02
SMAD6	A_15_P528902	1.741	0.800	1.49E-02
	A_15_P721506	-1.579	-0.659	1.88E-04
	A_15_P164461	-1.557	-0.639	4.12E-03
SMARCAD1	A_15_P189631	-1.532	-0.616	2.41E-02
SMARCD3	A_15_P320161	-1.734	-0.794	3.43E-02
SMARCE1	A_15_P514912	1.734	0.794	4.80E-03
	A_15_P620696	1.887	0.916	1.94E-02
SMC1A	A_15_P338870	-1.756	-0.812	6.27E-03
SMC4	A_15_P133426	-2.584	-1.369	3.04E-02
SMCR8	A_15_P622466	-2.156	-1.109	9.21E-03
SMG7	A_15_P655566	1.846	0.884	4.16E-02
SMOX	A_15_P620661	-2.188	-1.130	5.04E-03
	A_15_P114049	-2.550	-1.351	9.91E-04
SMTN	A_15_P412955	-1.596	-0.674	4.58E-02
SMUG1	A_15_P160116	-2.009	-1.006	9.08E-03
SMYD1	A_15_P163436	7.715	2.948	4.81E-02
	A_15_P131246	5.347	2.419	4.16E-02
SNN	A_15_P115971	-1.633	-0.707	3.11E-02
	A_15_P101034	-1.671	-0.741	1.13E-02
SNRNP200	A_15_P730906	1.569	0.650	1.43E-02
SNRPC	A_15_P115796	-1.670	-0.740	8.85E-04

<i>SNTB1</i>	A_15_P416840	-1.576	-0.657	7.29E-03
<i>SNW1</i>	A_15_P628786	-1.593	-0.672	2.01E-02
<i>SNX13</i>	A_15_P548862	-1.572	-0.653	7.24E-03
<i>SNX17</i>	A_15_P225261	-1.585	-0.664	1.92E-03
<i>SNX5</i>	A_15_P660101	-1.577	-0.657	2.72E-02
<i>SNX9</i>	A_15_P622136	1.524	0.608	3.74E-02
<i>SOCS3</i>	A_15_P119415	-4.981	-2.317	3.78E-03
<i>SOCS5</i>	A_15_P625177	2.545	1.348	1.79E-03
<i>SOCS7</i>	A_15_P469000	1.644	0.717	7.34E-03
<i>SOD1</i>	A_15_P485200	-7.054	-2.818	1.30E-02
<i>SOD3</i>	A_15_P116958	-1.986	-0.990	1.11E-02
<i>SOGA1</i>	A_15_P437655	2.891	1.532	3.54E-02
<i>SOGA3</i>	A_15_P391680	-1.527	-0.611	2.75E-02
<i>SORL1</i>	A_15_P281646	1.590	0.669	2.86E-02
<i>SOS1</i>	A_15_P470220	2.397	1.261	2.08E-02
<i>SOSTDC1</i>	A_15_P108972	-2.531	-1.340	4.35E-02
<i>SOX11</i>	A_15_P131486	-1.978	-0.984	5.24E-03
<i>SP8</i>	A_15_P104390	-1.941	-0.957	1.60E-02
<i>SPAG17</i>	A_15_P258656	-4.527	-2.179	4.81E-03
<i>SPAG9</i>	A_15_P178796	2.414	1.272	1.20E-02
<i>SPARCL1</i>	A_15_P276001	-2.154	-1.107	2.83E-03
	A_15_P115365	-1.934	-0.951	4.63E-02
<i>SPATA20</i>	A_15_P226416	1.736	0.795	1.78E-02
<i>SPATA5L1</i>	A_15_P271486	1.508	0.593	2.70E-02
<i>SPC25</i>	A_15_P491707	-2.438	-1.285	3.36E-02
<i>SPCS2</i>	A_15_P690216	-1.857	-0.893	6.40E-05
	A_15_P587202	-2.201	-1.138	5.65E-03
<i>SPDL1</i>	A_15_P662261	-1.840	-0.879	4.03E-02
<i>SPEF2</i>	A_15_P134601	2.146	1.102	3.53E-02
<i>SPEG</i>	A_15_P112814	-1.738	-0.797	3.21E-02
	A_15_P161022	-1.733	-0.793	1.43E-02
<i>SPG11</i>	A_15_P371520	3.001	1.585	1.42E-02
<i>SPHK1</i>	A_15_P758941	2.083	1.059	2.20E-02
<i>SPHK2</i>	A_15_P416740	-1.874	-0.906	1.40E-02
<i>SPHKAP</i>	A_15_P168811	2.353	1.234	3.20E-03
<i>SPICE1</i>	A_15_P172431	-1.699	-0.764	4.40E-02
<i>SPNS2</i>	A_15_P520707	-1.619	-0.695	4.69E-02
<i>SPOCK3</i>	A_15_P100348	-1.717	-0.780	1.82E-03
<i>SPP1</i>	A_15_P629241	4.987	2.318	1.98E-02
	A_15_P109228	6.706	2.745	6.96E-03
<i>SPRED2</i>	A_15_P196971	1.596	0.675	1.23E-02
<i>SPRYD3</i>	A_15_P307241	-1.667	-0.737	1.95E-02
<i>SPTBN2</i>	A_15_P469535	2.275	1.186	3.20E-02
<i>SPTLC1</i>	A_15_P109984	-1.785	-0.836	4.79E-03
<i>SQLF</i>	A_15_P630396	-3.128	-1.645	1.89E-02
	A_15_P487460	-2.695	-1.430	1.43E-02
<i>SRC</i>	A_15_P594102	1.666	0.736	4.35E-03
<i>SREBF2</i>	A_15_P402025	1.695	0.761	4.53E-04
<i>SRF</i>	A_15_P602277	-1.551	-0.633	2.25E-02
<i>SRP72</i>	A_15_P155756	-1.541	-0.624	1.42E-02
<i>SRP9</i>	A_15_P114245	-1.512	-0.596	1.56E-02
<i>SRR</i>	A_15_P356910	-1.670	-0.740	3.99E-02
<i>SRSF5</i>	A_15_P726411	2.066	1.047	3.35E-02
<i>SRSF9</i>	A_15_P725956	-1.657	-0.729	1.99E-02

SS18L2	A_15_P108302	-1.747	-0.805	3.71E-02
	A_15_P288456	-1.667	-0.737	3.02E-02
SSH2	A_15_P276586	1.705	0.769	3.73E-02
SSR3	A_15_P608607	-1.804	-0.851	1.53E-02
	A_15_P766691	-1.628	-0.703	1.05E-03
SSRP1	A_15_P188651	-1.872	-0.905	6.12E-03
	A_15_P296976	-1.751	-0.808	4.64E-02
	A_15_P163651	-2.095	-1.067	2.83E-02
ST3GAL2	A_15_P116325	1.772	0.826	1.40E-02
ST6GAL1	A_15_P102648	-1.885	-0.915	3.22E-02
ST6GALNAC1	A_15_P207416	-5.029	-2.330	1.49E-02
ST7	A_15_P622941	1.672	0.742	4.22E-02
ST8SIA2	A_15_P148106	-1.603	-0.681	4.79E-02
ST8SIA4	A_15_P195466	1.514	0.598	4.36E-02
STAC3	A_15_P720456	23.335	4.544	3.39E-02
	A_15_P365985	21.560	4.430	4.99E-02
STAMBP	A_15_P121238	-1.688	-0.756	1.88E-03
STAU2	A_15_P415315	1.655	0.727	1.98E-02
STC2	A_15_P114719	-1.607	-0.685	2.62E-02
	A_15_P420940	-1.646	-0.719	3.85E-02
STIL	A_15_P622106	-3.436	-1.781	1.09E-02
STK3	A_15_P658946	1.748	0.806	1.56E-02
STK35	A_15_P744761	1.897	0.924	1.97E-02
	A_15_P323122	1.848	0.886	2.92E-02
STK39	A_15_P674141	-1.808	-0.854	1.39E-03
	A_15_P748576	-1.806	-0.853	3.34E-03
STMN3	A_15_P376180	-1.589	-0.668	4.94E-02
STOX1	A_15_P178156	-1.711	-0.775	4.77E-02
	A_15_P197251	-1.726	-0.788	2.31E-03
STX16	A_15_P528227	-1.863	-0.898	1.43E-02
STX17	A_15_P113647	-2.690	-1.427	1.33E-02
STX2	A_15_P120230	3.203	1.679	3.79E-02
STX5	A_15_P100808	-1.684	-0.752	3.29E-02
SULT2B1	A_15_P192746	-2.180	-1.124	6.43E-03
SUMF1	A_15_P107748	-1.701	-0.766	1.14E-02
SUMO3	A_15_P565462	-1.835	-0.876	4.24E-02
	A_15_P276871	-1.520	-0.604	2.68E-02
SUPT4H1	A_15_P110968	-2.050	-1.036	4.36E-02
SUZ12	A_15_P106104	-2.364	-1.241	1.17E-02
SVOP	A_15_P146006	1.689	0.757	8.06E-03
SYN1	A_15_P565967	1.793	0.842	1.79E-02
SYNE1	A_15_P202536	1.818	0.862	1.55E-02
SYNGAP1	A_15_P204881	1.650	0.723	4.80E-02
SYNGR3	A_15_P622531	-3.587	-1.843	4.28E-02
	A_15_P195991	-3.343	-1.741	4.08E-02
SYT1	A_15_P153151	-3.409	-1.769	1.84E-02
SYT7	A_15_P136141	2.137	1.095	2.75E-02
TACR2	A_15_P268616	-2.084	-1.059	1.33E-02
TACR3	A_15_P498067	-1.738	-0.798	1.06E-02
TADA1	A_15_P498337	1.981	0.986	3.58E-02
TADA2B	A_15_P659996	1.570	0.651	2.75E-02
TAF1A	A_15_P192676	-1.741	-0.800	1.33E-02
TAF3	A_15_P118156	-1.582	-0.662	3.17E-02
	A_15_P177306	-1.817	-0.862	7.02E-03

TAF6	A_15_P176536	-1.802	-0.849	3.86E-02
TAGLN3	A_15_P147731	1.707	0.771	3.56E-02
TANC2	A_15_P307226	2.242	1.165	5.86E-03
TANGO6	A_15_P599902	-1.598	-0.677	2.44E-02
TAOK1	A_15_P270501	-1.717	-0.780	2.69E-03
TAOK2	A_15_P442365	3.282	1.715	4.18E-02
TAPT1	A_15_P200291	-1.624	-0.699	1.03E-02
TARBP1	A_15_P269016	-1.509	-0.593	2.54E-02
TBC1D22A	A_15_P411165	-1.628	-0.703	2.10E-02
TBC1D24	A_15_P460040	1.741	0.800	2.17E-02
TBC1D5	A_15_P182206	-2.137	-1.096	5.11E-03
TBRG4	A_15_P484145	-1.655	-0.727	2.88E-02
TBX4	A_15_P115999	-2.101	-1.071	4.90E-02
TC2N	A_15_P197731	1.728	0.789	3.45E-02
TCEANC	A_15_P111935	-1.862	-0.897	1.09E-02
	A_15_P219546	-2.108	-1.076	4.36E-02
TCEB2	A_15_P107497	-1.607	-0.684	4.40E-02
TCF15	A_15_P101438	-2.167	-1.115	3.61E-02
TCF19	A_15_P392535	1.690	0.757	2.09E-02
TCF20	A_15_P476095	1.769	0.823	1.16E-02
	A_15_P119813	1.911	0.934	1.59E-02
TCF25	A_15_P483330	-1.609	-0.686	1.45E-02
	A_15_P746586	-1.563	-0.645	2.29E-02
TCHP	A_15_P101051	-1.610	-0.687	2.23E-02
TDG	A_15_P687141	-3.637	-1.863	2.37E-02
	A_15_P107219	-2.432	-1.282	3.48E-02
TDRD6	A_15_P221556	-1.925	-0.945	6.96E-03
TECPR2	A_15_P483420	1.857	0.893	8.41E-03
TECTA	A_15_P147536	2.342	1.227	4.17E-02
TEF	A_15_P108054	-1.987	-0.990	2.32E-02
	A_15_P200906	2.321	1.215	3.91E-02
TEP1	A_15_P337517	-1.567	-0.648	6.47E-03
TES	A_15_P666661	-1.586	-0.665	2.93E-02
TESC	A_15_P146446	-1.722	-0.784	4.53E-02
TEX9	A_15_P103365	-1.664	-0.734	1.75E-02
TFDP1	A_15_P112675	1.638	0.712	4.15E-02
TFPI	A_15_P721811	1.588	0.667	1.95E-02
TGFB3	A_15_P400260	1.893	0.920	4.57E-02
TGM1	A_15_P137266	-2.030	-1.022	4.20E-02
	A_15_P472140	-1.741	-0.800	1.03E-02
TGM2	A_15_P193006	-1.842	-0.881	3.30E-02
THAP3	A_15_P666378	-1.648	-0.720	2.39E-02
	A_15_P209756	-1.799	-0.848	4.48E-02
	A_15_P661191	-1.682	-0.750	1.45E-02
	A_15_P212828	-1.918	-0.940	3.22E-02
THBS2	A_15_P157666	3.741	1.903	2.24E-02
THG1L	A_15_P629856	-1.736	-0.796	8.94E-03
TIAL1	A_15_P323556	-1.502	-0.587	3.30E-02
TIFA	A_15_P115435	-2.298	-1.201	3.50E-02
TIMELESS	A_15_P105092	1.626	0.702	3.87E-02
TIMP2	A_15_P223056	-2.282	-1.190	4.72E-02
TIPARP	A_15_P169141	-2.817	-1.494	7.11E-03
TIRAP	A_15_P155851	-1.505	-0.590	1.65E-02
TKFC	A_15_P484065	1.818	0.863	3.13E-02

TLK1	A_15_P115908	-1.876	-0.908	1.81E-02
TLN2	A_15_P110141	-1.658	-0.729	3.72E-02
TLX1	A_15_P625936	-2.198	-1.136	4.00E-02
	A_15_P116281	-4.317	-2.110	3.02E-02
TM7SF2	A_15_P503017	-1.640	-0.713	1.60E-02
TM7SF3	A_15_P682601	-1.806	-0.853	3.70E-02
TM9SF1	A_15_P444365	-1.572	-0.652	2.50E-03
TMA16	A_15_P657798	-2.448	-1.291	4.23E-03
TMC4	A_15_P420700	3.615	1.854	4.79E-02
TMC04	A_15_P672071	-1.547	-0.629	3.69E-02
	A_15_P265846	-1.544	-0.626	2.30E-02
TMED1	A_15_P100524	-1.878	-0.909	4.08E-02
TMED9	A_15_P172341	-1.881	-0.912	2.11E-02
TMEFF1	A_15_P108134	-1.590	-0.669	9.69E-04
	A_15_P574947	2.433	1.283	4.89E-03
	A_15_P134031	-1.942	-0.958	1.72E-03
TMEM104	A_15_P187166	-2.066	-1.047	1.04E-03
TMEM106B	A_15_P171186	-1.627	-0.703	2.21E-02
	A_15_P511987	-2.301	-1.203	2.68E-02
TMEM117	A_15_P286546	3.828	1.937	1.11E-02
TMEM125	A_15_P646976	-2.643	-1.402	2.00E-02
TMEM144	A_15_P151771	-1.947	-0.961	2.11E-02
TMEM168	A_15_P142446	3.191	1.674	3.59E-02
TMEM184C	A_15_P471450	1.581	0.660	2.19E-02
TMEM189	A_15_P109516	-1.718	-0.781	4.62E-02
TMEM235	A_15_P760396	-1.961	-0.971	1.32E-02
TMEM241	A_15_P587597	-2.203	-1.140	4.94E-02
TMEM37	A_15_P620396	-2.517	-1.332	4.04E-02
	A_15_P118238	-1.571	-0.652	2.15E-02
TMEM47	A_15_P277516	-2.325	-1.217	4.40E-02
TMEM57	A_15_P118660	-1.750	-0.808	4.86E-03
	A_15_P105470	-1.512	-0.597	1.08E-02
TMEM65	A_15_P565472	-2.030	-1.021	1.38E-02
TMOD4	A_15_P104093	-2.018	-1.013	2.77E-02
TMPO	A_15_P164056	-1.569	-0.650	2.43E-02
TMPRSS2	A_15_P108948	2.151	1.105	2.04E-02
TMTC2	A_15_P108150	-2.363	-1.240	1.17E-03
TMX2	A_15_P591182	-2.033	-1.024	4.48E-03
	A_15_P279946	-2.478	-1.309	3.76E-04
TNFAIP2	A_15_P566692	3.738	1.902	4.72E-02
TNFRSF21	A_15_P150341	-2.235	-1.160	1.47E-02
TNK1	A_15_P112196	-2.009	-1.006	3.80E-04
TNN	A_15_P731941	2.267	1.181	1.04E-02
TNNI2	A_15_P664046	16.387	4.034	3.49E-02
	A_15_P152786	11.273	3.495	3.10E-02
	A_15_P705891	13.580	3.763	2.53E-02
	A_15_P211721	19.343	4.274	3.16E-02
TNNT3	A_15_P107319	14.402	3.848	4.38E-02
	A_15_P743431	17.900	4.162	3.83E-02
	A_15_P111239	14.958	3.903	4.32E-02
	A_15_P118218	16.504	4.045	3.81E-02
	A_15_P115653	14.059	3.813	4.82E-02
TNRC6B	A_15_P724331	12.662	3.662	4.69E-02
	A_15_P421665	1.796	0.845	2.51E-02

<i>TNS1</i>	A_15_P105613	-1.509	-0.594	4.68E-02
<i>TOM1</i>	A_15_P114356	-1.686	-0.753	2.12E-03
<i>TOMM22</i>	A_15_P267756	-1.659	-0.731	3.67E-02
<i>TOX</i>	A_15_P108305	-1.586	-0.666	1.11E-02
	A_15_P530522	-1.696	-0.762	2.98E-02
<i>TP53BP2</i>	A_15_P580032	2.523	1.335	4.65E-02
<i>TPD52L1</i>	A_15_P659506	-2.014	-1.010	3.25E-02
<i>TPD52L2</i>	A_15_P745156	-1.795	-0.844	2.37E-02
<i>TPM3</i>	A_15_P727816	-1.790	-0.840	9.04E-03
	A_15_P578902	-1.801	-0.849	6.24E-03
<i>TPP1</i>	A_15_P744681	-1.770	-0.824	8.43E-04
<i>TPR</i>	A_15_P435380	2.401	1.264	4.31E-02
<i>TPRKB</i>	A_15_P110075	-1.655	-0.727	3.77E-02
<i>TPX2</i>	A_15_P471255	-3.115	-1.639	2.95E-03
<i>TRAF6</i>	A_15_P739941	1.835	0.876	7.19E-03
<i>TRAF7</i>	A_15_P630851	2.812	1.492	1.48E-03
	A_15_P143396	1.749	0.807	1.60E-02
	A_15_P529927	-2.271	-1.183	4.45E-02
<i>TRIM32</i>	A_15_P429585	2.304	1.204	3.97E-02
<i>TRIM46</i>	A_15_P204361	1.639	0.713	3.53E-02
<i>TRIM54</i>	A_15_P184551	4.206	2.072	4.18E-02
<i>TRIM67</i>	A_15_P155811	1.522	0.606	3.27E-02
<i>TRIM8</i>	A_15_P562942	1.571	0.652	4.34E-02
<i>TRIO</i>	A_15_P119874	1.912	0.935	1.11E-02
	A_15_P576982	1.811	0.857	3.02E-02
<i>TRIOBP</i>	A_15_P542497	-1.731	-0.791	6.43E-03
<i>TRMT12</i>	A_15_P174256	-1.741	-0.800	2.53E-03
<i>TRMT5</i>	A_15_P102338	-1.527	-0.611	4.87E-02
<i>TRPA1</i>	A_15_P161306	-1.927	-0.947	4.03E-02
<i>TRPC4</i>	A_15_P287606	-1.603	-0.681	4.56E-02
<i>TRPC6</i>	A_15_P445185	-2.754	-1.462	1.22E-02
<i>TRPM7</i>	A_15_P514522	1.666	0.736	1.56E-02
<i>TRPS1</i>	A_15_P597992	2.817	1.494	7.83E-03
<i>TRPT1</i>	A_15_P693526	1.661	0.732	2.49E-02
<i>TSEN15</i>	A_15_P765181	-1.758	-0.814	3.12E-02
<i>TSFM</i>	A_15_P749776	-1.806	-0.853	2.05E-02
	A_15_P149386	-1.688	-0.756	1.84E-02
<i>TSHZ1</i>	A_15_P372065	-1.845	-0.884	1.24E-02
<i>TSNAXIP1</i>	A_15_P174291	-1.731	-0.792	2.79E-02
<i>TSPAN14</i>	A_15_P118916	-2.002	-1.001	4.01E-02
<i>TSPAN3</i>	A_15_P176091	-1.526	-0.610	2.20E-02
<i>TSPAN4</i>	A_15_P148056	1.701	0.767	4.70E-02
<i>TSPAN9</i>	A_15_P104765	-1.727	-0.788	4.35E-02
	A_15_P106616	-13.264	-3.729	2.61E-02
<i>TSTA3</i>	A_15_P185032	1.786	0.837	3.24E-02
<i>TTBK1</i>	A_15_P179926	1.510	0.594	1.38E-02
	A_15_P202936	1.832	0.874	3.03E-02
<i>TTC12</i>	A_15_P103573	-1.621	-0.697	2.04E-03
<i>TTC25</i>	A_15_P416880	1.602	0.679	2.44E-02
<i>TTC37</i>	A_15_P295556	1.863	0.897	2.30E-02
<i>TTC4</i>	A_15_P365665	-1.529	-0.613	3.17E-02
<i>TTC9C</i>	A_15_P119332	-1.509	-0.594	2.80E-02
	A_15_P367385	-2.234	-1.160	1.16E-02
<i>TTF1</i>	A_15_P490122	-2.201	-1.138	1.53E-03

	A_15_P550547	-1.667	-0.737	3.67E-02
<i>TTK</i>	A_15_P210251	-1.594	-0.672	3.08E-02
<i>TTN</i>	A_15_P675376	13.210	3.724	4.36E-02
	A_15_P101261	3.755	1.909	4.73E-02
	A_15_P468525	18.800	4.233	2.91E-02
	A_15_P515472	19.855	4.311	4.22E-02
	A_15_P370250	13.499	3.755	4.34E-02
	A_15_P572077	6.730	2.751	3.46E-02
<i>TTYH2</i>	A_15_P106557	-1.682	-0.751	1.26E-02
<i>TTYH3</i>	A_15_P456005	-1.618	-0.694	9.99E-03
	A_15_P116086	-1.555	-0.637	2.69E-04
	A_15_P407240	-1.975	-0.982	9.79E-03
<i>TWF1</i>	A_15_P658836	-1.724	-0.786	4.69E-03
<i>TWSG1</i>	A_15_P107282	1.959	0.970	3.25E-02
	A_15_P594462	1.845	0.883	1.03E-02
<i>TXNDC5</i>	A_15_P226781	2.576	1.365	4.05E-02
	A_15_P722521	-1.631	-0.706	4.07E-02
<i>TXNL4A</i>	A_15_P116293	-1.517	-0.601	2.88E-02
<i>TYMS</i>	A_15_P119814	-1.928	-0.947	3.47E-02
<i>TYRP1</i>	A_15_P110475	2.014	1.010	5.63E-03
<i>U2AF2</i>	A_15_P753221	-1.607	-0.684	8.52E-03
	A_15_P151521	-1.745	-0.803	1.30E-02
	A_15_P603532	-1.973	-0.981	4.88E-02
<i>UBA1</i>	A_15_P726916	-1.618	-0.694	1.43E-02
<i>UBA2</i>	A_15_P100346	-1.508	-0.593	1.63E-02
	A_15_P515234	-1.540	-0.623	4.15E-02
<i>UBA52</i>	A_15_P295646	-1.644	-0.717	4.43E-02
<i>UBE2B</i>	A_15_P552577	1.563	0.644	2.08E-02
<i>UBE2C</i>	A_15_P723801	-1.960	-0.971	4.57E-02
<i>UBE2E2</i>	A_15_P412420	-1.513	-0.598	2.03E-02
<i>UBE2G1</i>	A_15_P104448	-1.553	-0.635	3.91E-03
<i>UBE2I</i>	A_15_P470595	-1.559	-0.641	3.86E-02
<i>UBE2T</i>	A_15_P205326	-1.625	-0.700	4.69E-03
<i>UBE2V2</i>	A_15_P111834	-2.039	-1.028	1.31E-02
<i>UBE2Z</i>	A_15_P112895	-1.923	-0.944	4.55E-02
<i>UBE3C</i>	A_15_P115490	-1.565	-0.646	1.17E-02
<i>UBFD1</i>	A_15_P110415	-1.532	-0.615	4.00E-02
<i>UBP1</i>	A_15_P182876	1.879	0.910	3.09E-02
	A_15_P629806	1.809	0.855	1.15E-02
<i>UBR5</i>	A_15_P595107	1.917	0.939	4.85E-02
<i>UBTD1</i>	A_15_P193091	-1.724	-0.786	4.90E-02
	A_15_P376390	-1.718	-0.781	3.02E-02
<i>UBXN1</i>	A_15_P721296	-1.848	-0.886	1.16E-02
	A_15_P367035	-1.775	-0.828	4.21E-03
<i>UBXN10</i>	A_15_P379610	-1.846	-0.885	3.89E-02
	A_15_P730591	-2.130	-1.091	6.54E-03
	A_15_P751306	-1.924	-0.944	6.09E-03
	A_15_P542007	-2.536	-1.343	7.33E-03
<i>UCHL5</i>	A_15_P235116	-1.504	-0.589	2.95E-02
<i>UCK1</i>	A_15_P602647	-1.584	-0.663	2.27E-02
<i>UFM1</i>	A_15_P531127	-1.506	-0.590	1.10E-02
<i>UGGT1</i>	A_15_P707286	2.971	1.571	1.55E-02
<i>UGT1A1</i>	A_15_P161031	-2.314	-1.210	4.52E-02
	A_15_P622316	-2.332	-1.221	6.87E-03

<i>UHRF1</i>	A_15_P304326	-1.595	-0.673	3.50E-02
<i>ULK3</i>	A_15_P495267	2.154	1.107	3.12E-02
<i>UNC13B</i>	A_15_P339425	-3.199	-1.678	1.55E-03
<i>UNC13C</i>	A_15_P310976	1.544	0.627	4.31E-02
<i>UNC5A</i>	A_15_P626166	1.507	0.592	7.23E-03
<i>UPB1</i>	A_15_P108369	-1.737	-0.797	2.36E-02
<i>UPF1</i>	A_15_P199676	1.524	0.608	4.84E-02
<i>UPF3B</i>	A_15_P120021	-2.062	-1.044	1.67E-02
<i>UQCRB</i>	A_15_P110872	-1.511	-0.595	2.60E-02
<i>URAD</i>	A_15_P142611	-1.759	-0.815	1.82E-02
<i>USF1</i>	A_15_P108770	-1.522	-0.606	4.55E-02
<i>USP3</i>	A_15_P136876	-1.689	-0.756	1.24E-03
<i>USP44</i>	A_15_P237076	-1.917	-0.939	2.97E-02
<i>USP8</i>	A_15_P283001	2.449	1.292	1.75E-02
<i>UTS2R</i>	A_15_P166831	-1.500	-0.585	9.09E-03
<i>VEGFA</i>	A_15_P147821	-1.593	-0.672	6.32E-03
<i>VEZF1</i>	A_15_P515907	1.845	0.883	2.94E-02
<i>VGf</i>	A_15_P344575	-1.505	-0.590	9.53E-03
<i>VGLL2</i>	A_15_P329691	-2.378	-1.250	2.18E-02
<i>VPS8</i>	A_15_P200601	1.540	0.623	2.29E-02
<i>VSIG10</i>	A_15_P419170	-1.780	-0.832	3.33E-03
<i>VTA1</i>	A_15_P504407	-1.642	-0.715	2.83E-02
<i>VTI1B</i>	A_15_P285236	-1.706	-0.771	4.81E-02
<i>VWA5B1</i>	A_15_P489262	1.659	0.730	8.61E-03
<i>WDFY4</i>	A_15_P375075	2.126	1.088	2.07E-02
<i>WDHD1</i>	A_15_P102190	-1.524	-0.608	2.59E-02
	A_15_P668351	-1.515	-0.599	1.40E-02
<i>WDR37</i>	A_15_P120560	-1.752	-0.809	2.71E-02
<i>WDR45B</i>	A_15_P153846	1.642	0.715	2.29E-02
<i>WDR61</i>	A_15_P446230	-2.287	-1.193	1.96E-02
	A_15_P114376	-1.561	-0.642	3.15E-03
<i>WDR73</i>	A_15_P661516	-1.506	-0.590	9.20E-03
<i>WEE1</i>	A_15_P106410	-1.741	-0.800	4.41E-02
<i>WHSC1</i>	A_15_P656956	-1.629	-0.704	6.72E-03
	A_15_P197111	-1.850	-0.887	1.33E-03
<i>XDH</i>	A_15_P247121	-3.700	-1.888	2.91E-02
<i>XKR4</i>	A_15_P169501	1.657	0.729	3.97E-02
<i>XKR7</i>	A_15_P205286	1.747	0.805	3.28E-02
<i>XPC</i>	A_15_P134231	-1.821	-0.865	4.12E-02
<i>XPO7</i>	A_15_P491962	1.544	0.626	2.36E-03
<i>XRN1</i>	A_15_P732846	-1.533	-0.616	3.41E-02
<i>YAE1D1</i>	A_15_P660711	-1.819	-0.863	4.87E-02
	A_15_P119359	-1.530	-0.614	3.78E-02
<i>YAP1</i>	A_15_P673471	-1.728	-0.789	4.71E-02
	A_15_P117829	-1.816	-0.861	2.12E-02
<i>YBX1</i>	A_15_P114925	-1.502	-0.587	1.27E-02
	A_15_P338810	-1.520	-0.605	3.28E-02
<i>YEATS4</i>	A_15_P367295	-1.742	-0.801	2.26E-02
	A_15_P721516	-1.722	-0.784	2.65E-02
<i>YES1</i>	A_15_P107924	-1.502	-0.587	7.73E-03
<i>YLPM1</i>	A_15_P101184	1.699	0.764	4.17E-02
<i>ZAK</i>	A_15_P114694	1.519	0.603	4.45E-02
<i>ZBED4</i>	A_15_P152751	-1.999	-1.000	4.57E-02
<i>ZC3H10</i>	A_15_P302831	1.695	0.761	5.44E-04

ZC3H18	A_15_P730526	-1.734	-0.794	1.53E-02
	A_15_P541772	-1.802	-0.850	2.31E-02
	A_15_P178211	-2.206	-1.141	1.06E-02
ZC3H4	A_15_P510572	1.579	0.659	1.50E-02
ZC4H2	A_15_P720496	-1.562	-0.643	4.14E-02
ZCCHC24	A_15_P118593	-1.546	-0.629	4.43E-02
	A_15_P432695	-2.539	-1.344	3.69E-03
ZCCHC7	A_15_P118571	-1.959	-0.970	1.72E-03
	A_15_P106053	-2.180	-1.124	2.80E-03
	A_15_P200266	-1.622	-0.698	3.60E-02
	A_15_P200261	-1.884	-0.914	1.74E-02
ZCRB1	A_15_P109294	-1.701	-0.766	1.47E-02
ZDHHHC1	A_15_P730566	-1.539	-0.622	3.11E-02
ZDHHHC18	A_15_P152381	-1.842	-0.882	5.26E-03
ZDHHHC20	A_15_P557222	-2.013	-1.009	2.32E-04
	A_15_P507347	-2.225	-1.153	5.63E-03
	A_15_P158181	-2.466	-1.302	7.21E-03
	A_15_P509062	-2.043	-1.030	4.42E-02
ZDHHHC9	A_15_P450735	-1.760	-0.816	1.92E-02
ZER1	A_15_P668116	2.744	1.456	4.90E-03
ZFAND6	A_15_P366290	-1.784	-0.835	3.68E-02
ZFP91	A_15_P498017	1.769	0.823	4.80E-03
ZFPM1	A_15_P627011	2.203	1.140	3.38E-02
ZHX2	A_15_P118662	-1.744	-0.802	7.10E-04
	A_15_P204451	-1.758	-0.814	1.96E-02
ZMPSTE24	A_15_P101841	-1.640	-0.714	2.64E-02
	A_15_P629076	-1.561	-0.643	3.64E-02
ZMYND8	A_15_P406770	-1.603	-0.680	1.12E-02
ZNF148	A_15_P346725	-1.603	-0.681	4.48E-02
ZNF362	A_15_P495962	2.421	1.276	3.34E-02
ZNF423	A_15_P346140	1.870	0.903	3.72E-02
ZNF507	A_15_P117201	-1.693	-0.760	1.95E-02
ZNF646	A_15_P103453	1.914	0.937	4.04E-02
ZNF654	A_15_P598967	-1.715	-0.778	2.52E-02
ZNF687	A_15_P246981	-2.017	-1.012	3.37E-02
ZNF704	A_15_P110629	1.632	0.707	1.87E-02
ZNF710	A_15_P392650	-1.633	-0.707	5.96E-03
ZNF729	A_15_P161866	-1.663	-0.734	3.96E-02
	A_15_P636266	3.453	1.788	4.23E-02
	A_15_P270036	2.155	1.107	3.05E-02
	A_15_P772346	-2.791	-1.481	9.41E-03
	A_15_P726301	-1.501	-0.586	4.47E-02
	A_15_P677186	2.544	1.347	1.35E-02
	A_15_P620811	-1.649	-0.721	4.52E-02
	A_15_P663806	-1.822	-0.866	4.86E-02
	A_15_P762671	3.854	1.946	8.50E-03
	A_15_P546157	-1.573	-0.653	2.33E-02
	A_15_P171626	1.574	0.654	4.87E-02
	A_15_P623046	1.950	0.964	4.88E-02
	A_15_P400205	-1.559	-0.640	8.65E-03
	A_15_P546097	-1.632	-0.707	1.22E-02
	A_15_P137801	-1.736	-0.796	1.70E-03
A_15_P759146	2.620	1.390	7.30E-03	
A_15_P613417	1.689	0.756	4.90E-02	

	A_15_P764441	-2.103	-1.072	4.80E-02
	A_15_P242936	-1.501	-0.586	3.69E-02
	A_15_P356940	2.016	1.012	4.83E-03
	A_15_P554127	-2.084	-1.059	2.87E-03
ZNF770	A_15_P374565	-1.961	-0.972	2.34E-02
	A_15_P575117	-1.944	-0.959	2.21E-02
	A_15_P576742	-1.524	-0.608	4.22E-02
	A_15_P221356	-2.874	-1.523	1.04E-02
ZNHIT6	A_15_P450475	-2.103	-1.073	3.85E-02
ZNRF2	A_15_P644531	-1.558	-0.639	1.86E-02
	A_15_P520837	-1.614	-0.690	1.36E-02

Supplementary Information Table 2. Annotated genes altered in aged adult male zebrafish brain exposed to 10 µg/L Pb during embryogenesis.

Symbol	Probe ID	Expression Fold Change	Log ₂ Expression Ratio	p-Value
<i>A2M</i>	A_15_P733733	-1.913	-0.936	4.85E-02
<i>AAAS</i>	A_15_P720526	1.542	0.625	1.82E-02
<i>AAED1</i>	A_15_P297371	-2.128	-1.089	1.50E-02
<i>AAMP</i>	A_15_P629666	1.594	0.672	1.29E-03
	A_15_P107203	1.534	0.618	7.38E-04
<i>AANAT</i>	A_15_P119137	1.589	0.668	2.49E-03
<i>ABCA1</i>	A_15_P533082	-1.716	-0.779	5.62E-03
	A_15_P107891	-1.518	-0.603	1.67E-02
	A_15_P735956	-1.591	-0.670	9.09E-03
<i>ABCA7</i>	A_15_P492597	1.517	0.602	2.53E-02
<i>ABCC13</i>	A_15_P244256	-1.706	-0.771	3.89E-02
<i>ABCG4</i>	A_15_P624556	1.872	0.904	4.06E-02
<i>ABHD8</i>	A_15_P375271	1.625	0.701	3.44E-02
<i>ABI3BP</i>	A_15_P102132	-1.504	-0.589	4.20E-02
<i>ACSM3</i>	A_15_P630491	-2.240	-1.164	2.87E-02
<i>ACTC1</i>	A_15_P661986	1.838	0.878	2.40E-03
<i>ADAMTS1</i>	A_15_P219366	-1.518	-0.602	1.90E-02
<i>ADAMTS2</i>	A_15_P548097	-2.007	-1.005	4.60E-02
<i>ADAMTS9</i>	A_15_P760206	-2.775	-1.473	8.57E-03
<i>ADD3</i>	A_15_P434675	1.561	0.642	1.38E-03
<i>ADGRA3</i>	A_15_P371955	2.347	1.231	2.18E-02
<i>ADGRV1</i>	A_15_P106492	1.701	0.766	2.15E-02
<i>ADRA2C</i>	A_15_P121461	-1.547	-0.629	3.63E-02
	A_15_P111474	-1.569	-0.650	4.97E-02
<i>ADSSL1</i>	A_15_P537297	2.252	1.171	1.62E-02
<i>ALAS2</i>	A_15_P752286	-1.944	-0.959	3.37E-02
<i>ALDH2</i>	A_15_P109735	2.190	1.131	4.51E-02
<i>ALDOB</i>	A_15_P734776	2.095	1.067	4.85E-02
	A_15_P416695	1.959	0.970	3.79E-02
<i>ANKRD31</i>	A_15_P620426	-1.529	-0.613	3.65E-02
<i>ANKRD33</i>	A_15_P185801	-2.590	-1.373	1.08E-02
<i>ANKS3</i>	A_15_P752116	-1.560	-0.641	2.88E-02
<i>ANTXR1</i>	A_15_P268741	-1.534	-0.618	2.17E-02
<i>ANXA4</i>	A_15_P225706	-2.220	-1.151	1.58E-02
	A_15_P113967	-2.208	-1.143	9.45E-03
<i>APLP2</i>	A_15_P241108	1.635	0.709	4.87E-03
<i>AQP8</i>	A_15_P102367	-1.685	-0.752	1.07E-02
<i>ARHGAP18</i>	A_15_P241671	1.562	0.643	4.11E-02
<i>ARHGAP19</i>	A_15_P235396	-1.871	-0.904	3.77E-03
<i>ARHGEF2</i>	A_15_P270782	-1.511	-0.595	1.53E-02
<i>ARL5C</i>	A_15_P120937	-1.660	-0.731	4.10E-02
<i>ARX</i>	A_15_P208846	1.589	0.668	3.06E-02
<i>ATOX1</i>	A_15_P625371	2.191	1.132	2.70E-03
<i>ATP13A1</i>	A_15_P416470	2.526	1.337	2.80E-02
<i>ATP6V1E1</i>	A_15_P211946	1.897	0.923	2.74E-02
	A_15_P664336	1.867	0.900	2.66E-02
<i>B3GALT4</i>	A_15_P397070	-1.513	-0.597	1.08E-03
<i>BACH1</i>	A_15_P157871	-1.962	-0.973	3.31E-02
<i>BAZ1B</i>	A_15_P449455	-1.505	-0.590	4.07E-02
<i>BCOR</i>	A_15_P104859	1.504	0.589	4.87E-03
<i>BDKRB1</i>	A_15_P101722	-1.847	-0.885	7.01E-03

<i>BLZF1</i>	A_15_P182966	1.547	0.629	3.13E-02
<i>BMP1</i>	A_15_P190241	-2.585	-1.370	4.40E-02
<i>BMP10</i>	A_15_P498192	-2.093	-1.065	5.62E-03
<i>BMP7</i>	A_15_P131106	1.609	0.686	8.98E-03
<i>BORA</i>	A_15_P273421	-1.666	-0.737	2.48E-02
<i>BRF1</i>	A_15_P210921	1.964	0.974	2.39E-02
<i>C10orf11</i>	A_15_P769331	-1.523	-0.607	3.26E-02
<i>C1orf106</i>	A_15_P505107	1.815	0.860	8.99E-03
<i>CA8</i>	A_15_P105692	1.713	0.776	3.70E-03
	A_15_P170001	1.713	0.776	1.89E-02
<i>CA9</i>	A_15_P520122	-1.822	-0.865	4.49E-02
<i>CACNA1S</i>	A_15_P117067	1.830	0.872	3.01E-02
<i>CACNA2D1</i>	A_15_P120563	-1.838	-0.878	3.39E-04
<i>CALR3</i>	A_15_P732420	-1.593	-0.672	2.55E-02
<i>CAPN5</i>	A_15_P103655	-1.942	-0.958	3.92E-02
<i>CASQ2</i>	A_15_P275301	3.653	1.869	1.61E-02
<i>CASZ1</i>	A_15_P120437	2.955	1.563	5.02E-03
<i>CBLB</i>	A_15_P114158	-1.705	-0.770	1.03E-02
<i>CCDC120</i>	A_15_P109113	-1.715	-0.778	3.87E-02
<i>CCDC66</i>	A_15_P676556	-2.082	-1.058	2.90E-02
<i>CCSAP</i>	A_15_P176986	1.553	0.635	2.98E-02
<i>CDC42EP1</i>	A_15_P570272	1.883	0.913	4.40E-02
<i>CDKN2AIPNL</i>	A_15_P378780	1.593	0.672	4.91E-03
<i>CDT1</i>	A_15_P591717	1.959	0.970	1.79E-03
<i>CELSR1</i>	A_15_P136471	-2.035	-1.025	1.66E-02
<i>CENPI</i>	A_15_P450320	-1.708	-0.772	2.61E-02
<i>CENPT</i>	A_15_P266317	-1.899	-0.925	2.97E-02
	A_15_P414506	-1.810	-0.856	1.27E-02
<i>CEP128</i>	A_15_P621186	1.839	0.879	4.24E-02
<i>CEP57</i>	A_15_P154436	-1.824	-0.867	3.43E-02
<i>CERCAM</i>	A_15_P118681	-1.627	-0.702	3.27E-02
<i>CFAP58</i>	A_15_P555281	-1.532	-0.615	3.01E-02
<i>CGN</i>	A_15_P134361	1.512	0.596	1.52E-02
<i>CHD7</i>	A_15_P333669	1.609	0.687	4.58E-02
<i>CHRNA1</i>	A_15_P116128	4.386	2.133	1.66E-02
<i>CHST13</i>	A_15_P183876	-2.083	-1.059	2.78E-02
<i>CLCN1</i>	A_15_P153541	-1.723	-0.785	4.59E-02
<i>CLDN6</i>	A_15_P730701	4.751	2.248	4.96E-02
<i>CNOT6L</i>	A_15_P120537	-1.578	-0.658	7.98E-03
<i>CNRIP1</i>	A_15_P196886	-1.502	-0.587	3.11E-02
<i>COBLL1</i>	A_15_P262346	1.510	0.594	3.44E-02
<i>COL11A1</i>	A_15_P671961	-1.732	-0.792	6.18E-03
<i>COL11A2</i>	A_15_P504557	2.209	1.143	4.72E-03
<i>COL15A1</i>	A_15_P285771	-2.553	-1.352	1.88E-02
<i>COL4A2</i>	A_15_P415340	-1.627	-0.702	3.97E-02
<i>COL7A1</i>	A_15_P488985	-1.673	-0.743	2.03E-02
<i>COLQ</i>	A_15_P548462	-2.068	-1.048	3.94E-02
<i>CPA1</i>	A_15_P117784	2.738	1.453	1.53E-03
	A_15_P116208	2.042	1.030	9.17E-03
<i>CPLX3</i>	A_15_P442120	-2.805	-1.488	8.10E-03
<i>CPSF6</i>	A_15_P279121	1.514	0.599	1.84E-02
<i>CRACR2A</i>	A_15_P159116	-1.687	-0.755	1.01E-03
<i>CSNK2A1</i>	A_15_P284606	1.762	0.817	4.52E-02
<i>CSRNP1</i>	A_15_P580222	-2.161	-1.112	4.31E-02

<i>CSRP2</i>	A_15_P207836	1.744	0.803	4.66E-02
<i>CTBP2</i>	A_15_P106555	1.818	0.862	2.10E-02
<i>C3</i>	A_15_P310441	-1.776	-0.828	4.39E-02
<i>CTPS1</i>	A_15_P117541	1.614	0.691	4.59E-02
<i>CXorf57</i>	A_15_P437300	-1.735	-0.795	4.21E-02
<i>CYB5R1</i>	A_15_P750211	1.606	0.684	2.90E-02
<i>CYP2J2</i>	A_15_P121060	1.760	0.816	5.67E-03
<i>CYP51A1</i>	A_15_P738216	1.861	0.896	4.51E-02
<i>DAZAP2</i>	A_15_P401990	1.531	0.615	9.40E-03
<i>DBI</i>	A_15_P627806	1.654	0.726	4.50E-02
	A_15_P150566	1.625	0.700	3.18E-02
<i>DDHD1</i>	A_15_P432375	-1.612	-0.689	4.26E-02
<i>DES</i>	A_15_P663176	2.034	1.024	3.06E-02
<i>DGUOK</i>	A_15_P415885	1.669	0.739	2.11E-02
	A_15_P734571	1.606	0.684	3.89E-02
<i>DLK1</i>	A_15_P705461	1.541	0.624	1.44E-02
<i>DNAH3</i>	A_15_P155631	-1.887	-0.916	2.42E-02
<i>DPM1</i>	A_15_P112449	-2.312	-1.209	4.16E-02
<i>DPY19L1</i>	A_15_P621126	-1.948	-0.962	3.59E-02
<i>DSN1</i>	A_15_P607897	-1.738	-0.797	3.30E-02
<i>DUSP10</i>	A_15_P155101	-1.655	-0.726	2.17E-02
<i>DUSP2</i>	A_15_P630961	-2.159	-1.110	3.89E-02
	A_15_P108853	-2.113	-1.079	4.19E-02
<i>DUSP23</i>	A_15_P110079	-1.787	-0.837	1.04E-02
<i>DUSP27</i>	A_15_P581697	-1.597	-0.676	2.26E-02
<i>DUSP7</i>	A_15_P403985	-1.849	-0.887	2.77E-02
<i>DXO</i>	A_15_P223101	-1.533	-0.616	8.08E-03
<i>EBP</i>	A_15_P504977	1.553	0.635	1.64E-02
	A_15_P109540	1.565	0.646	4.83E-02
	A_15_P116121	1.795	0.844	2.87E-03
<i>EIF3I</i>	A_15_P597757	-1.728	-0.789	2.56E-02
<i>ELMSAN1</i>	A_15_P556417	1.560	0.642	2.40E-02
<i>ELP5</i>	A_15_P149426	1.685	0.753	2.85E-02
<i>EMP2</i>	A_15_P187401	-1.549	-0.631	4.43E-02
<i>EN1</i>	A_15_P118364	1.796	0.845	3.81E-02
<i>ENPP2</i>	A_15_P284306	-1.652	-0.724	3.41E-02
<i>ENTPD2</i>	A_15_P100727	2.066	1.047	7.31E-04
<i>EPCAM</i>	A_15_P109227	-1.933	-0.951	2.33E-02
<i>EPO</i>	A_15_P487320	2.269	1.182	3.84E-02
<i>EPPK1</i>	A_15_P514167	-1.522	-0.606	8.09E-03
<i>ESR2</i>	A_15_P192221	-1.649	-0.722	3.15E-02
<i>ETFA</i>	A_15_P112680	1.601	0.679	1.67E-02
<i>ETV5</i>	A_15_P102717	1.617	0.693	2.02E-02
	A_15_P185506	1.688	0.756	2.10E-02
<i>EWSR1</i>	A_15_P277286	-1.939	-0.955	2.56E-03
	A_15_P560823	-2.138	-1.096	1.40E-03
	A_15_P627836	-2.462	-1.300	3.93E-03
	A_15_P742866	-2.031	-1.022	1.35E-03
<i>EXT1</i>	A_15_P443670	-1.952	-0.965	2.45E-02
<i>EZR</i>	A_15_P203556	-2.165	-1.115	4.76E-03
<i>F2RL1</i>	A_15_P242841	-1.797	-0.845	1.63E-02
<i>FAM107B</i>	A_15_P720531	-1.907	-0.931	3.79E-03
	A_15_P293776	-1.774	-0.827	2.92E-02
	A_15_P121288	-1.958	-0.969	7.68E-04

<i>FAM131C</i>	A_15_P606477	1.645	0.718	4.37E-02
<i>FAM208B</i>	A_15_P115924	-1.585	-0.665	5.54E-03
<i>FAM43B</i>	A_15_P117604	-1.714	-0.777	3.54E-02
<i>FANK1</i>	A_15_P103581	1.860	0.895	1.09E-02
<i>FBXL7</i>	A_15_P413600	1.585	0.664	1.25E-02
<i>FGF2</i>	A_15_P109975	2.844	1.508	1.92E-02
<i>FGF8</i>	A_15_P105035	2.492	1.317	3.35E-02
<i>FGG</i>	A_15_P439455	-1.813	-0.858	2.18E-02
<i>FHOD1</i>	A_15_P362850	-3.701	-1.888	1.59E-02
<i>FKTN</i>	A_15_P135763	-1.913	-0.936	4.63E-02
<i>FLI1</i>	A_15_P109368	1.544	0.627	2.26E-03
<i>FMN1</i>	A_15_P184436	-2.975	-1.573	3.31E-02
<i>FOXL2</i>	A_15_P282031	1.978	0.984	3.42E-02
<i>FOXP1</i>	A_15_P596262	-1.692	-0.759	3.75E-02
<i>FPGS</i>	A_15_P209441	-1.848	-0.886	4.78E-02
<i>FRAS1</i>	A_15_P363650	-1.791	-0.841	4.68E-02
<i>FRRS1</i>	A_15_P198541	-3.433	-1.780	1.43E-02
<i>FSHR</i>	A_15_P113693	-2.069	-1.049	1.14E-02
<i>FUT8</i>	A_15_P287041	-1.504	-0.589	2.93E-02
<i>GART</i>	A_15_P656536	1.506	0.590	3.51E-03
<i>GAS2</i>	A_15_P411120	-1.514	-0.599	3.25E-02
<i>GATSL3</i>	A_15_P419225	-1.678	-0.747	4.80E-02
<i>GBX2</i>	A_15_P104642	1.830	0.872	2.16E-03
<i>GCM2</i>	A_15_P101196	1.857	0.893	3.00E-02
<i>GDF10</i>	A_15_P557412	1.752	0.809	6.30E-03
<i>GDNF</i>	A_15_P164611	-1.633	-0.708	4.88E-03
<i>GGPS1</i>	A_15_P749141	1.525	0.608	4.81E-02
<i>GJD4</i>	A_15_P156366	-1.513	-0.598	4.10E-02
<i>GOLGA2</i>	A_15_P437485	1.805	0.852	4.91E-02
<i>GPBR1</i>	A_15_P257096	-1.734	-0.794	3.94E-02
<i>GPT2</i>	A_15_P562677	-1.586	-0.666	1.17E-02
<i>GRB10</i>	A_15_P301806	-1.730	-0.791	5.65E-03
	A_15_P182246	-1.774	-0.827	2.54E-02
<i>GRIK1</i>	A_15_P165896	1.655	0.727	4.66E-02
<i>GTF2F1</i>	A_15_P101140	3.383	1.758	2.55E-02
<i>GUCA1C</i>	A_15_P537302	-2.044	-1.031	4.81E-02
<i>GYS2</i>	A_15_P101171	-1.638	-0.712	2.79E-02
<i>HAND2</i>	A_15_P632716	-1.955	-0.967	3.85E-02
<i>HBP1</i>	A_15_P193621	-1.835	-0.875	2.54E-02
	A_15_P630166	-1.894	-0.922	2.87E-02
<i>HBZ</i>	A_15_P111458	-2.625	-1.392	3.71E-02
<i>HDAC8</i>	A_15_P116819	-1.722	-0.784	1.06E-02
<i>HEG1</i>	A_15_P283483	-2.532	-1.340	1.82E-02
<i>HGS</i>	A_15_P173116	1.500	0.585	1.78E-02
<i>HIC1</i>	A_15_P411550	-2.722	-1.445	2.63E-02
<i>HIF3A</i>	A_15_P281686	-1.898	-0.924	2.47E-02
	A_15_P101503	-2.131	-1.091	5.15E-04
	A_15_P404495	-1.977	-0.983	2.50E-02
	A_15_P165446	-1.603	-0.681	8.58E-04
	A_15_P108026	-1.744	-0.803	1.10E-03
	A_15_P621106	-1.780	-0.832	7.10E-04
A_15_P102540	-1.914	-0.937	1.33E-02	
<i>HLA-DPA1</i>	A_15_P109701	-1.751	-0.808	4.54E-02
<i>HNF4A</i>	A_15_P110568	1.638	0.712	2.47E-02

<i>HOOK2</i>	A_15_P112239	5.413	2.436	3.65E-02
<i>HOXB9</i>	A_15_P163356	-1.515	-0.600	4.01E-02
<i>HPSE2</i>	A_15_P102729	-1.639	-0.713	9.58E-03
<i>HSD11B2</i>	A_15_P768186	-2.096	-1.068	4.78E-02
	A_15_P100202	-2.098	-1.069	3.77E-02
	A_15_P613927	-2.059	-1.042	4.57E-02
<i>HSPB9</i>	A_15_P131406	-1.617	-0.693	2.31E-02
<i>HUNK</i>	A_15_P675781	-1.970	-0.978	4.07E-02
	A_15_P492182	-1.676	-0.745	3.72E-02
<i>IGF2BP1</i>	A_15_P599497	1.921	0.942	2.71E-02
<i>IGFLR1</i>	A_15_P760966	-2.364	-1.241	4.66E-02
<i>ILVBL</i>	A_15_P748641	-2.770	-1.470	4.08E-02
<i>IMPG2</i>	A_15_P113564	-2.621	-1.390	2.32E-02
<i>INSIG2</i>	A_15_P114064	2.092	1.065	1.84E-02
<i>INTS2</i>	A_15_P622716	-2.127	-1.089	3.45E-02
<i>IQGAP1</i>	A_15_P467920	-2.198	-1.136	3.47E-02
<i>IQGAP2</i>	A_15_P543077	-1.884	-0.914	9.35E-03
<i>IRAK1</i>	A_15_P519417	-2.066	-1.047	3.02E-02
<i>ITGA5</i>	A_15_P115729	-1.548	-0.630	1.56E-02
<i>ITIH2</i>	A_15_P160766	-1.751	-0.808	4.29E-03
<i>ITIH3</i>	A_15_P160756	-1.686	-0.753	3.96E-02
<i>ITIH6</i>	A_15_P554272	1.995	0.997	3.58E-02
<i>ITLN1</i>	A_15_P190506	-1.904	-0.929	4.18E-02
<i>ITSN2</i>	A_15_P431825	-1.962	-0.972	2.83E-02
	A_15_P409715	-2.061	-1.043	3.29E-03
<i>KCNJ1</i>	A_15_P399905	2.258	1.175	3.18E-02
<i>KCNN4</i>	A_15_P310861	-1.751	-0.808	3.55E-03
<i>KEAP1</i>	A_15_P737741	2.348	1.232	3.05E-02
<i>KIAA1524</i>	A_15_P244291	-1.551	-0.633	4.39E-02
<i>KIF17</i>	A_15_P237751	-1.872	-0.905	5.18E-03
<i>KIF1C</i>	A_15_P147756	-1.744	-0.803	7.68E-03
<i>KLF9</i>	A_15_P735206	-4.063	-2.023	3.81E-02
	A_15_P146191	-4.572	-2.193	3.13E-02
<i>KRT5</i>	A_15_P495025	3.462	1.792	1.37E-02
<i>KY</i>	A_15_P268561	-1.530	-0.614	3.88E-02
<i>LEP</i>	A_15_P159456	1.702	0.767	2.71E-02
<i>LGI2</i>	A_15_P444615	2.059	1.042	3.89E-03
<i>LHPP</i>	A_15_P378530	-1.742	-0.801	2.85E-02
	A_15_P727896	-1.582	-0.662	1.56E-02
<i>LHX8</i>	A_15_P189136	-1.759	-0.815	2.13E-02
<i>LIMA1</i>	A_15_P107878	-2.164	-1.114	1.72E-02
	A_15_P624041	-1.715	-0.778	4.10E-03
	A_15_P291286	-2.168	-1.116	3.98E-02
<i>LLGL1</i>	A_15_P598332	-1.692	-0.759	1.62E-02
	A_15_P742736	-2.206	-1.141	4.17E-02
<i>LMAN2L</i>	A_15_P723841	1.711	0.775	4.54E-02
<i>LOC100996634</i>	A_15_P283696	1.502	0.587	6.15E-03
<i>LOXHD1</i>	A_15_P695506	-2.101	-1.071	6.74E-03
<i>LOXL1</i>	A_15_P117879	2.670	1.417	1.80E-02
<i>LPIN3</i>	A_15_P551652	-2.065	-1.046	3.37E-02
<i>LPL</i>	A_15_P272131	1.590	0.669	4.16E-02
<i>LRRC58</i>	A_15_P394970	2.610	1.384	2.94E-02
	A_15_P738926	1.608	0.685	5.62E-03
<i>LRRC8D</i>	A_15_P198601	-1.782	-0.833	2.29E-02

<i>LTBP3</i>	A_15_P316846	3.199	1.677	2.08E-02
<i>MAD2L1BP</i>	A_15_P463100	-2.727	-1.447	2.38E-03
<i>MAGI1</i>	A_15_P223426	-1.648	-0.720	2.76E-02
<i>MAN1A1</i>	A_15_P511712	1.704	0.769	2.43E-02
<i>MAP3K12</i>	A_15_P570717	1.783	0.835	1.29E-02
<i>MATN3</i>	A_15_P184796	-2.332	-1.221	5.32E-03
	A_15_P643781	-1.722	-0.784	5.53E-03
<i>MEGF8</i>	A_15_P633531	-1.700	-0.766	2.14E-02
<i>MEOX1</i>	A_15_P105497	2.137	1.096	1.59E-02
<i>METRN</i>	A_15_P157116	-1.510	-0.594	4.67E-02
<i>METTL16</i>	A_15_P178071	-2.169	-1.117	2.03E-03
<i>MFAP4</i>	A_15_P357085	-3.378	-1.756	2.06E-02
	A_15_P219886	2.161	1.111	4.63E-02
<i>MFF</i>	A_15_P564532	1.675	0.744	4.86E-02
<i>MFSD4</i>	A_15_P183391	1.566	0.647	1.97E-02
<i>MMADHC</i>	A_15_P113004	-2.165	-1.114	1.39E-03
<i>MOB2</i>	A_15_P136791	-2.227	-1.155	1.44E-02
	A_15_P740356	-2.176	-1.122	8.86E-03
	A_15_P446315	-2.078	-1.055	8.47E-03
	A_15_P115255	-1.871	-0.904	1.58E-02
	A_15_P495002	-1.812	-0.858	2.51E-04
	A_15_P571537	-2.063	-1.044	3.90E-03
	A_15_P506892	-2.140	-1.098	7.93E-03
A_15_P263506	-2.174	-1.120	8.88E-03	
<i>MORC3</i>	A_15_P208601	-2.537	-1.343	3.82E-02
<i>MPP7</i>	A_15_P166681	-2.402	-1.264	1.16E-02
<i>MSRA</i>	A_15_P103662	1.505	0.590	1.87E-03
<i>MSTN</i>	A_15_P114781	1.663	0.734	2.46E-02
<i>MTFR1</i>	A_15_P514128	2.169	1.117	7.60E-03
<i>MTMR1</i>	A_15_P110989	1.635	0.709	2.31E-02
<i>MTMR4</i>	A_15_P155636	-2.821	-1.496	2.07E-02
<i>MTUS1</i>	A_15_P563767	-1.515	-0.600	4.08E-02
	A_15_P269426	-1.649	-0.722	5.26E-04
<i>MUSK</i>	A_15_P554302	-2.766	-1.468	3.68E-02
<i>MYBPC1</i>	A_15_P611332	-2.986	-1.578	1.09E-03
<i>MYBPH</i>	A_15_P645361	-2.218	-1.149	3.81E-02
<i>MYCL</i>	A_15_P732791	-1.629	-0.704	2.96E-02
<i>MYF5</i>	A_15_P666156	-2.172	-1.119	1.45E-02
<i>MYH11</i>	A_15_P116227	-1.644	-0.717	2.53E-02
<i>MYL2</i>	A_15_P738056	-2.250	-1.170	1.22E-02
<i>MYLK4</i>	A_15_P192406	-1.851	-0.888	4.58E-02
<i>MYO5B</i>	A_15_P107657	-1.641	-0.715	1.73E-02
<i>MYOZ3</i>	A_15_P135696	-1.536	-0.619	4.79E-02
<i>NBEAL2</i>	A_15_P297886	-1.536	-0.619	3.38E-02
<i>NDUFB3</i>	A_15_P575752	2.229	1.157	3.19E-03
<i>NFE2L3</i>	A_15_P527812	-1.587	-0.666	3.99E-02
<i>NKX2-2</i>	A_15_P108187	1.510	0.595	1.49E-03
<i>NOM1</i>	A_15_P275976	1.641	0.714	2.59E-02
<i>NOTCH1</i>	A_15_P131531	-2.210	-1.144	2.72E-02
<i>NPFF</i>	A_15_P758221	-2.022	-1.016	7.33E-04
<i>NR5A1</i>	A_15_P626106	1.826	0.869	3.52E-02
	A_15_P100569	2.616	1.388	3.64E-02
<i>NR6A1</i>	A_15_P161986	-1.631	-0.706	4.41E-02
<i>NRIP1</i>	A_15_P379500	-1.512	-0.596	4.76E-02

<i>NUDT1</i>	A_15_P102359	1.723	0.785	7.79E-03
<i>NUDT14</i>	A_15_P192231	-1.570	-0.651	1.84E-02
<i>NUGGC</i>	A_15_P181916	-1.893	-0.921	3.73E-02
<i>OLFML1</i>	A_15_P572617	4.349	2.121	2.97E-02
<i>OLIG3</i>	A_15_P598467	2.203	1.139	2.38E-04
<i>OR8G5</i>	A_15_P118863	-1.929	-0.948	3.51E-02
	A_15_P165706	-1.954	-0.966	3.12E-02
<i>OSBPL3</i>	A_15_P105684	-3.449	-1.786	2.09E-02
<i>P2RY4</i>	A_15_P622731	-1.657	-0.729	1.61E-02
<i>PAH</i>	A_15_P101511	1.768	0.822	2.64E-02
<i>PAX3</i>	A_15_P199351	-1.743	-0.802	3.26E-02
<i>PCOLCE2</i>	A_15_P410160	-1.690	-0.757	1.76E-02
<i>PDCD6IP</i>	A_15_P182881	1.636	0.710	4.89E-02
<i>PK2</i>	A_15_P105148	-1.716	-0.779	2.42E-02
	A_15_P166716	-2.021	-1.015	3.97E-02
<i>PFKFB4</i>	A_15_P174861	-1.922	-0.942	4.03E-02
	A_15_P102138	-2.142	-1.099	4.68E-03
	A_15_P186271	-1.803	-0.850	4.31E-02
<i>PFKP</i>	A_15_P536227	1.609	0.686	7.72E-03
<i>PGPEP1</i>	A_15_P161876	-1.623	-0.699	1.12E-02
<i>PHC3</i>	A_15_P563577	-1.530	-0.613	4.00E-02
<i>PIAS4</i>	A_15_P581782	-2.970	-1.570	8.89E-03
<i>PIK3R3</i>	A_15_P207341	-2.485	-1.313	2.40E-02
	A_15_P286046	-2.552	-1.352	2.53E-02
<i>PKNOX1</i>	A_15_P483385	1.644	0.717	1.10E-03
<i>PLCB3</i>	A_15_P614617	-1.729	-0.790	1.58E-02
<i>PLD3</i>	A_15_P300291	-2.067	-1.048	3.10E-02
<i>PLEKHG5</i>	A_15_P160536	-1.699	-0.764	3.58E-02
<i>PLEKHG7</i>	A_15_P384021	-2.920	-1.546	5.75E-03
<i>PLEKHM1</i>	A_15_P486485	-1.539	-0.622	2.56E-02
<i>PLEKHN1</i>	A_15_P350635	-2.431	-1.282	2.62E-03
<i>PLIN2</i>	A_15_P598962	-2.476	-1.308	1.04E-02
	A_15_P107567	-1.991	-0.993	4.30E-03
	A_15_P150646	-2.512	-1.329	2.25E-03
<i>POLE4</i>	A_15_P160266	-1.693	-0.760	2.96E-02
<i>POPDC2</i>	A_15_P231306	-1.676	-0.745	4.38E-03
<i>POU2F3</i>	A_15_P659961	1.738	0.797	1.82E-02
	A_15_P134737	1.876	0.907	8.55E-03
<i>PPAP2C</i>	A_15_P235156	-1.902	-0.928	4.82E-02
<i>PPT1</i>	A_15_P100598	1.949	0.963	4.45E-02
<i>PRDM12</i>	A_15_P119788	1.678	0.747	3.62E-02
<i>PREX2</i>	A_15_P229311	-2.214	-1.146	3.28E-02
<i>PRICKLE1</i>	A_15_P253071	3.108	1.636	3.81E-02
<i>PRKG1</i>	A_15_P151231	-1.616	-0.692	1.31E-02
<i>PRKG2</i>	A_15_P146616	1.822	0.865	4.12E-02
<i>PRR11</i>	A_15_P696746	1.511	0.596	4.63E-02
<i>PRR5</i>	A_15_P460315	-1.799	-0.847	5.00E-02
<i>PRSS12</i>	A_15_P401410	-1.814	-0.859	4.40E-03
<i>PRSS57</i>	A_15_P138436	-1.842	-0.881	4.82E-02
<i>PRSS57</i>	A_15_P105846	-1.534	-0.617	2.61E-02
<i>PSKH1</i>	A_15_P545207	-1.511	-0.595	4.05E-02
<i>PTK2B</i>	A_15_P408010	2.143	1.099	2.99E-02
<i>PTPN21</i>	A_15_P570867	-4.381	-2.131	7.28E-03
<i>PTPRB</i>	A_15_P273376	2.420	1.275	3.96E-02

	A_15_P135666	-1.951	-0.964	3.44E-02
<i>PTRH2</i>	A_15_P666686	2.084	1.059	1.41E-02
<i>PTX4</i>	A_15_P696191	2.451	1.294	2.89E-02
<i>PUS7</i>	A_15_P763276	1.505	0.590	1.58E-02
<i>RAB3IP</i>	A_15_P720196	1.967	0.976	4.49E-02
	A_15_P365625	2.060	1.043	3.08E-02
<i>RAD1</i>	A_15_P108031	1.877	0.908	4.46E-02
<i>RASGRP3</i>	A_15_P742726	-1.538	-0.621	1.47E-02
<i>RASSF3</i>	A_15_P158771	-1.644	-0.717	3.32E-02
<i>RAVER1</i>	A_15_P258041	-1.736	-0.796	3.29E-02
<i>RBM14</i>	A_15_P696956	1.514	0.599	3.73E-02
<i>RCBTB2</i>	A_15_P459840	1.908	0.932	4.58E-02
<i>RCE1</i>	A_15_P409580	-1.630	-0.705	2.93E-02
<i>RDH8</i>	A_15_P186911	2.290	1.196	1.59E-02
<i>RFWD3</i>	A_15_P264941	-1.976	-0.983	6.76E-03
<i>RGS3</i>	A_15_P130216	1.561	0.642	3.98E-04
	A_15_P110651	1.657	0.729	7.26E-04
<i>RGS9</i>	A_15_P205901	-1.846	-0.884	4.97E-04
<i>RNF111</i>	A_15_P562012	-1.563	-0.645	1.17E-02
<i>RNF182</i>	A_15_P171456	-1.673	-0.742	1.62E-02
<i>RNF212B</i>	A_15_P498799	-2.729	-1.449	4.42E-02
<i>ROBO2</i>	A_15_P165866	-1.568	-0.649	2.23E-02
<i>ROMO1</i>	A_15_P100280	-2.778	-1.474	1.14E-02
<i>ROS1</i>	A_15_P106431	-3.028	-1.598	2.81E-02
<i>RPL7</i>	A_15_P263206	-1.575	-0.655	4.92E-02
<i>RPS15A</i>	A_15_P111486	4.208	2.073	3.72E-02
<i>RPS6KB1</i>	A_15_P157916	-2.750	-1.459	3.67E-03
<i>RRAGD</i>	A_15_P169866	1.921	0.942	3.69E-02
<i>SALL4</i>	A_15_P139746	-2.196	-1.135	2.27E-02
<i>SAT1</i>	A_15_P110641	-1.778	-0.831	4.74E-02
	A_15_P630986	-1.713	-0.776	3.60E-02
<i>SCMH1</i>	A_15_P344815	-1.927	-0.947	3.75E-02
<i>SDHAF1</i>	A_15_P758011	1.506	0.591	2.24E-02
<i>SEC16A</i>	A_15_P416225	2.027	1.020	3.72E-02
<i>SELE</i>	A_15_P184276	-1.737	-0.797	2.43E-02
<i>SEMA3A</i>	A_15_P116849	-1.848	-0.886	4.73E-02
<i>SENP7</i>	A_15_P139046	-1.739	-0.798	1.49E-02
<i>SEPT9</i>	A_15_P100725	1.799	0.847	1.35E-02
	A_15_P725201	1.564	0.645	3.61E-02
<i>SERGEF</i>	A_15_P136301	1.543	0.626	1.10E-02
<i>SERPINA7</i>	A_15_P116686	-2.241	-1.164	2.45E-02
<i>SERTAD2</i>	A_15_P307006	-1.923	-0.943	2.00E-02
<i>SETD8</i>	A_15_P173531	-1.501	-0.586	2.97E-02
<i>SGK2</i>	A_15_P626931	-1.525	-0.609	2.37E-02
<i>SH3GL3</i>	A_15_P660096	1.525	0.609	3.95E-02
<i>SIGIRR</i>	A_15_P660651	-2.022	-1.016	6.94E-03
<i>SIM1</i>	A_15_P158656	-2.290	-1.195	2.35E-02
<i>SIX6</i>	A_15_P105434	1.942	0.957	3.52E-02
<i>SLC10A3</i>	A_15_P719996	1.608	0.685	2.39E-03
	A_15_P581737	1.511	0.595	4.10E-03
<i>SLC12A9</i>	A_15_P593207	-1.543	-0.625	4.00E-02
<i>SLC15A2</i>	A_15_P107171	-1.594	-0.673	6.95E-03
<i>SLC22A3</i>	A_15_P498977	2.504	1.324	2.65E-03
<i>SLC25A40</i>	A_15_P101190	1.610	0.687	3.57E-02

SLC38A4	A_15_P741511	-1.566	-0.647	5.00E-02
	A_15_P158706	-1.908	-0.932	3.19E-02
	A_15_P226861	-1.568	-0.649	2.16E-02
SLC7A1	A_15_P252646	-1.584	-0.663	2.72E-02
SLF2	A_15_P285061	-1.606	-0.684	1.56E-02
SNAI3	A_15_P529407	-1.545	-0.627	2.34E-02
SOD1	A_15_P103988	1.545	0.628	1.27E-02
SOWAHC	A_15_P531242	1.508	0.593	4.58E-02
SPR	A_15_P171031	1.690	0.757	4.19E-02
SSH2	A_15_P640611	-2.600	-1.379	1.52E-02
	A_15_P302426	-2.339	-1.226	1.58E-02
	A_15_P595397	-1.956	-0.968	1.05E-03
SSTR2	A_15_P290931	2.377	1.249	4.49E-03
SSTR4	A_15_P375700	-1.546	-0.628	1.48E-02
ST14	A_15_P175546	3.206	1.681	1.50E-02
ST3GAL4	A_15_P632381	-1.670	-0.740	3.53E-02
ST6GALNAC5	A_15_P106493	1.585	0.665	4.95E-02
STK24	A_15_P725911	-2.345	-1.229	1.75E-02
STK26	A_15_P112821	-1.570	-0.651	5.22E-03
STK35	A_15_P107103	-2.237	-1.162	4.15E-02
	A_15_P744761	-1.963	-0.973	3.04E-02
	A_15_P739506	-2.210	-1.144	3.04E-02
	A_15_P183961	-1.990	-0.993	4.75E-02
	A_15_P204988	-2.427	-1.279	2.43E-02
	A_15_P323122	-2.009	-1.007	1.36E-02
STOM	A_15_P112994	1.698	0.764	7.08E-03
SULF2	A_15_P209406	1.505	0.590	2.40E-02
SUZ12	A_15_P419460	-1.713	-0.777	2.19E-02
TCP1	A_15_P116402	2.050	1.036	1.36E-02
TFAP2C	A_15_P135236	-1.790	-0.840	3.84E-02
TGDS	A_15_P762606	-1.820	-0.864	2.39E-02
	A_15_P106529	1.851	0.889	1.46E-04
	A_15_P444460	1.574	0.655	2.43E-02
THBS2	A_15_P512667	-1.646	-0.719	6.93E-03
TLCD2	A_15_P487220	1.551	0.633	3.72E-02
TLE3	A_15_P144426	1.561	0.642	3.19E-04
TMA16	A_15_P117059	1.913	0.936	1.73E-03
TMC6	A_15_P688126	1.645	0.718	6.08E-03
TMEM59L	A_15_P121289	1.867	0.900	3.25E-02
TMEM97	A_15_P436645	2.210	1.144	2.92E-02
	A_15_P165511	2.667	1.415	3.72E-02
TMPRSS9	A_15_P137966	-2.367	-1.243	1.52E-05
	A_15_P516072	-1.733	-0.793	1.88E-03
	A_15_P205161	-1.613	-0.690	4.23E-03
TNNI2	A_15_P106964	-2.646	-1.404	4.37E-02
TRAF7	A_15_P211156	1.720	0.783	7.59E-03
TRAIIP	A_15_P280946	1.760	0.815	3.71E-02
TRIB3	A_15_P119740	-1.635	-0.709	3.91E-02
TRIM24	A_15_P150971	1.534	0.618	2.72E-03
TRIM35	A_15_P221264	-2.381	-1.252	1.15E-02
TRIM55	A_15_P119047	-3.052	-1.610	2.54E-02
TRMT10C	A_15_P109024	12.455	3.639	2.85E-02
TTC36	A_15_P117654	2.421	1.276	1.49E-02
TTC7A	A_15_P268447	-1.774	-0.827	1.12E-02

<i>TTF1</i>	A_15_P603320	2.548	1.349	4.75E-02
<i>TTL2</i>	A_15_P634344	2.188	1.130	2.62E-02
	A_15_P184676	2.234	1.160	3.77E-02
	A_15_P622811	2.984	1.577	3.66E-02
<i>TULP2</i>	A_15_P108388	-3.899	-1.963	6.45E-03
<i>TWIST1</i>	A_15_P121033	1.732	0.792	3.13E-02
<i>UOX</i>	A_15_P107519	-2.278	-1.188	3.25E-02
<i>USP37</i>	A_15_P194831	1.672	0.742	4.34E-02
<i>VGLL2</i>	A_15_P329691	2.381	1.252	5.19E-03
<i>VIP</i>	A_15_P119279	1.511	0.596	3.62E-02
<i>VWA1</i>	A_15_P520862	-1.567	-0.648	1.01E-02
<i>VWA2</i>	A_15_P400665	1.603	0.681	4.17E-02
<i>WBP1L</i>	A_15_P620891	-1.611	-0.688	4.61E-02
<i>WDR55</i>	A_15_P551392	1.722	0.784	5.94E-03
<i>WSCD2</i>	A_15_P146036	-1.706	-0.770	1.72E-02
<i>XDH</i>	A_15_P288316	-1.574	-0.655	4.44E-02
	A_15_P322306	-2.663	-1.413	6.29E-05
<i>XPO1</i>	A_15_P473385	-1.529	-0.612	3.59E-02
<i>ZAN</i>	A_15_P605687	-1.911	-0.934	3.47E-02
<i>ZAR1L</i>	A_15_P104077	-1.521	-0.605	3.08E-02
<i>ZBED1</i>	A_15_P260696	-2.092	-1.065	3.32E-02
<i>ZNF729</i>	A_15_P270036	2.993	1.582	2.39E-02
	A_15_P442470	-3.348	-1.743	9.14E-03
	A_15_P761854	-1.640	-0.714	2.74E-02
	A_15_P613417	-1.623	-0.698	3.91E-02
	A_15_P264306	1.576	0.656	1.02E-02
<i>ZNHIT1</i>	A_15_P102926	-1.575	-0.655	4.03E-02
<i>ZP3</i>	A_15_P103400	-2.084	-1.059	1.94E-02
<i>ZSWIM6</i>	A_15_P158611	1.696	0.762	7.34E-03

Supplementary Table 3. Primers for qPCR analysis for microarray data confirmation

Sequence ID ^a	Zebrafish symbol	Human homolog ^b		Sequence
NM_131564.2	<i>appa</i>	<i>APP</i> ^c	forward	ACCGTCTGCTCTCACACTACTA
			reverse	TCAGTGTGAGGAGGAAGAGGAA
NM_152886.1	<i>appb</i>	<i>APP</i> ^c	forward	GGCAGATGTGTAGAAGGAAGCT
			reverse	CCCCATGCAACCATTAAGTGTG
NM_001083002.1	<i>arid3b</i>	<i>ARID3B</i> ^c	forward	CTTACATGCAGAAACGAGGTACAC
			reverse	TCTTCTTGTGATCACCTTACCA
NM_205704.1	<i>bace1</i>	<i>BACE1</i> ^c	forward	ATCATGGAGGGTTTCTATGTGG
			reverse	GGACGTTATAGCCACAGTCTC
NM_198144.2	<i>emx1</i>	<i>EMX1</i> ^c	forward	AACAGCCTCAGTTTATCCGAGA
			reverse	TGTGGTGGTTTCCTTTCTTCTT
NM_001144818.1	<i>ggcta</i>	<i>GGCT</i> ^c	forward	AACCTCACACCTGTTTACCTT
			reverse	AAGAGCCGCTGTAATTGTTTGT
NM_199729.1	<i>gtf2f1</i>	<i>GTF2F1</i> ^d	forward	GAAAGCCCATGACCACTAAAGA
			reverse	GTTCTTCTCTCTGGATTGAGC
NM_001089425.1	<i>prdx4</i>	<i>PRDX4</i> ^c	forward	TCTACCTCTGGACTTCACGTT
			reverse	GATCCAGGCCAGATGAGTAAAC
NM_200797.4	<i>romo1</i>	<i>ROMO1</i> ^d	forward	AGTGTAGGATCGTACGGACAGC
			reverse	AGACAGGAGAAAAGTCCCAAACA
NM_212784.1	<i>rpl13a</i>	<i>RPL13A</i> ^{c, d}	forward	GAGAAAGGAAAAGGCCAAGCTG
			reverse	GGACAGCTCAAACAAGAACC
NM_212762.1	<i>rps15a</i>	<i>RPS15A</i> ^d	forward	GAAGTGGCAGAACAACCTTCTC
			reverse	AAGAACCCAAGGATTTTCTC
NM_200164.1	<i>slc25a14</i>	<i>SLC25A14</i> ^c	forward	TAGCTTAAACTGGAAAACCACCA
			reverse	TATATCCCAACCTAATGGACGTG
NM_001007332.2	<i>trmt10c</i>	<i>TRMT10C</i> ^d	forward	ACTGGGATTGTGGAGCTAAAAA
			reverse	TGGAAACCTTTGTGTTTCTCT
NM_001111230.1	<i>tll2</i>	<i>TLL2</i> ^d	forward	AAACTCAAGTCTCCAACCTTCG
			reverse	CTCTCGAGATGCTTCCAAGTT

^a Sequence ID of zebrafish was obtained from National Center for Biotechnology Information (NCBI) Reference Sequence (RefSeq) database. ^b Genes in zebrafish were matched to annotated human gene symbols. qPCR analysis was conducted on selected targets for confirmation of microarray data from brain of aged adult ^c female and ^d male zebrafish exposed to 10 µg/L Pb during embryogenesis.

Supplementary Information Table 4. Annotated genes altered in aged adult female and male zebrafish brain exposed to 10 µg/L Pb during embryogenesis.

Symbol	Entrez Gene Name
<i>A2M</i>	alpha-2-macroglobulin
<i>ABCA1</i>	ATP-binding cassette, sub-family A (ABC1), member 1
<i>ABCG4</i>	ATP-binding cassette, sub-family G (WHITE), member 4
<i>ABI3BP</i>	ABI family, member 3 (NESH) binding protein
<i>ALDOB</i>	aldolase B, fructose-bisphosphate
<i>APLP2</i>	amyloid beta (A4) precursor-like protein 2
<i>ATP6V1E1</i>	ATPase, H ⁺ transporting, lysosomal 31kDa, V1 subunit E1
<i>BMP1</i>	bone morphogenetic protein 1
<i>BORA</i>	bora, aurora kinase A activator
<i>C1orf106</i>	chromosome 1 open reading frame 106
<i>CA9</i>	carbonic anhydrase IX
<i>CALR3</i>	calreticulin 3
<i>CBLB</i>	Cbl proto-oncogene B, E3 ubiquitin protein ligase
<i>CCDC120</i>	coiled-coil domain containing 120
<i>CENPT</i>	centromere protein T
<i>CFAP58</i>	cilia and flagella associated protein 58
<i>CGN</i>	cingulin
<i>COL11A1</i>	collagen, type XI, alpha 1
<i>CTBP2</i>	C-terminal binding protein 2
<i>CYP2J2</i>	cytochrome P450, family 2, subfamily J, polypeptide 2
<i>CYP51A1</i>	cytochrome P450, family 51, subfamily A, polypeptide 1
<i>DBI</i>	diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein)
<i>DES</i>	desmin
<i>DPY19L1</i>	dpy-19-like 1 (C. elegans)
<i>DUSP27</i>	dual specificity phosphatase 27 (putative)
<i>ENTPD2</i>	ectonucleoside triphosphate diphosphohydrolase 2
<i>EWSR1</i>	EWS RNA-binding protein 1
<i>FAM208B</i>	family with sequence similarity 208, member B
<i>FHOD1</i>	formin homology 2 domain containing 1
<i>FLI1</i>	Fli-1 proto-oncogene, ETS transcription factor
<i>FUT8</i>	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)
<i>GRB10</i>	growth factor receptor-bound protein 10
<i>GRIK1</i>	glutamate receptor, ionotropic, kainate 1
<i>GTF2F1</i>	general transcription factor IIF, polypeptide 1, 74kDa
<i>HGS</i>	hepatocyte growth factor-regulated tyrosine kinase substrate
<i>HLA-DPA1</i>	major histocompatibility complex, class II, DP alpha 1
<i>HUNK</i>	hormonally up-regulated Neu-associated kinase
<i>IGF2BP1</i>	insulin-like growth factor 2 mRNA binding protein 1
<i>ITIH3</i>	inter-alpha-trypsin inhibitor heavy chain 3
<i>ITLN1</i>	intelectin 1 (galactofuranose binding)
<i>KEAP1</i>	kelch-like ECH-associated protein 1
<i>KIF1C</i>	kinesin family member 1C
<i>LIMA1</i>	LIM domain and actin binding 1
<i>LOC100996634</i>	transmembrane protein FLJ37396
<i>LRRC8D</i>	leucine rich repeat containing 8 family, member D
<i>MAD2L1BP</i>	MAD2L1 binding protein
<i>MAGI1</i>	membrane associated guanylate kinase, WW and PDZ domain containing 1
<i>MAP3K12</i>	mitogen-activated protein kinase kinase kinase 12
<i>MFAP4</i>	microfibrillar-associated protein 4
<i>MOB2</i>	MOB kinase activator 2
<i>MTUS1</i>	microtubule associated tumor suppressor 1
<i>MYCL</i>	v-myc avian myelocytomatosis viral oncogene lung carcinoma derived homolog
<i>MYH11</i>	myosin, heavy chain 11, smooth muscle

<i>NKX2-2</i>	NK2 homeobox 2
<i>NRIP1</i>	nuclear receptor interacting protein 1
<i>NUDT1</i>	nudix (nucleoside diphosphate linked moiety X)-type motif 1
<i>PDK2</i>	pyruvate dehydrogenase kinase, isozyme 2
<i>PFKP</i>	phosphofructokinase, platelet
<i>PIK3R3</i>	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)
<i>PLCB3</i>	phospholipase C, beta 3 (phosphatidylinositol-specific)
<i>PLEKHG5</i>	pleckstrin homology domain containing, family G (with RhoGef domain) member 5
<i>PLEKHG7</i>	pleckstrin homology domain containing, family G (with RhoGef domain) member 7
<i>PREX2</i>	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 2
<i>PTPRB</i>	protein tyrosine phosphatase, receptor type, B
<i>PUS7</i>	pseudouridylate synthase 7 (putative)
<i>RBM14</i>	RNA binding motif protein 14
<i>RNF212B</i>	ring finger protein 212B
<i>SALL4</i>	spalt-like transcription factor 4
<i>SEMA3A</i>	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A
<i>SETD8</i>	SET domain containing (lysine methyltransferase) 8
<i>SLC12A9</i>	solute carrier family 12, member 9
<i>SLC38A4</i>	solute carrier family 38, member 4
<i>SLF2</i>	SMC5-SMC6 complex localization factor 2
<i>SOD1</i>	superoxide dismutase 1, soluble
<i>SSH2</i>	slingshot protein phosphatase 2
<i>STK35</i>	serine/threonine kinase 35
<i>SUZ12</i>	SUZ12 polycomb repressive complex 2 subunit
<i>THBS2</i>	thrombospondin 2
<i>TMA16</i>	translation machinery associated 16 homolog (<i>S. cerevisiae</i>)
<i>TNNI2</i>	troponin I type 2 (skeletal, fast)
<i>TRAF7</i>	TNF receptor-associated factor 7, E3 ubiquitin protein ligase
<i>TTF1</i>	transcription termination factor, RNA polymerase I
<i>VGLL2</i>	vestigial-like family member 2
<i>XDH</i>	xanthine dehydrogenase
<i>ZNF729</i>	zinc finger protein 729
