

Supp table 1: Differentially expressed genes in brain of AD subjects at 25% FDR

ID	Gene	log2FoldCha	FC	lfcSE	pvalue	padj	Module Color
ENSG00000138741	TRPC3	-0.29	0.82	0.05	4.57E-09	4.16E-05	brown
ENSG00000196169	KIF19	0.31	1.24	0.05	5.74E-09	4.16E-05	blue
ENSG00000164946	FREM1	-0.26	0.83	0.05	1.14E-07	5.49E-04	thistle2
ENSG00000110723	EXPH5	-0.24	0.85	0.05	1.72E-07	6.22E-04	thistle2
ENSG00000166819	PLIN1	0.29	1.22	0.06	6.58E-07	1.65E-03	black
ENSG00000175455	CCDC14	-0.13	0.91	0.03	6.84E-07	1.65E-03	paleturquoise
ENSG00000096060	FKBP5	0.28	1.21	0.06	9.96E-07	1.80E-03	brown4
ENSG00000100433	KCNK10	0.19	1.14	0.04	1.08E-06	1.80E-03	blue
ENSG00000204950	LRRC10B	0.26	1.20	0.05	1.16E-06	1.80E-03	grey60
ENSG00000139144	PIK3C2G	-0.28	0.82	0.06	1.32E-06	1.80E-03	grey
ENSG00000162929	KIAA1841	-0.13	0.91	0.03	1.50E-06	1.80E-03	brown
ENSG00000164604	GPR85	-0.22	0.86	0.05	1.54E-06	1.80E-03	brown
ENSG00000007062	PROM1	-0.24	0.84	0.05	1.61E-06	1.80E-03	brown
ENSG00000167772	ANGPTL4	0.25	1.19	0.05	2.72E-06	2.81E-03	brown4
ENSG00000154721	JAM2	-0.19	0.88	0.04	2.91E-06	2.81E-03	black
ENSG00000162654	GBP4	-0.26	0.83	0.06	3.94E-06	3.56E-03	brown
ENSG00000111404	RERGL	-0.26	0.83	0.06	4.50E-06	3.56E-03	brown
ENSG00000142089	IFITM3	0.27	1.20	0.06	4.52E-06	3.56E-03	brown4
ENSG00000106714	CNTNAP3	0.18	1.14	0.04	4.90E-06	3.56E-03	blue
ENSG00000183856	IQGAP3	0.26	1.20	0.06	4.91E-06	3.56E-03	grey
ENSG00000142449	FBN3	-0.26	0.84	0.06	5.47E-06	3.77E-03	grey60
ENSG00000153822	KCNJ16	-0.25	0.84	0.06	6.77E-06	4.45E-03	black
ENSG00000170959	DCDC1	-0.23	0.85	0.05	1.01E-05	6.33E-03	turquoise
ENSG00000117009	KMO	-0.23	0.85	0.05	1.05E-05	6.33E-03	mediumpurple3
ENSG00000107562	CXCL12	-0.25	0.84	0.06	1.20E-05	6.95E-03	brown
ENSG00000206432	TMEM200C	-0.17	0.89	0.04	1.53E-05	8.54E-03	lightsteelblue1
ENSG00000138336	TET1	-0.14	0.91	0.03	1.70E-05	9.12E-03	paleturquoise
ENSG00000172878	METAP1D	-0.14	0.91	0.03	1.82E-05	9.43E-03	turquoise
ENSG00000198830	HMG2	0.19	1.14	0.04	2.04E-05	9.98E-03	paleturquoise
ENSG00000102359	SRPX2	0.24	1.18	0.06	2.07E-05	9.98E-03	brown4
ENSG00000129353	SLC44A2	0.18	1.14	0.04	2.19E-05	1.01E-02	brown4
ENSG00000198408	MGEA5	0.12	1.09	0.03	2.23E-05	1.01E-02	darkgrey
ENSG00000205221	VIT	-0.23	0.85	0.06	2.50E-05	1.10E-02	brown
ENSG00000141736	ERBB2	0.23	1.18	0.06	2.70E-05	1.14E-02	brown4
ENSG00000183090	FREM3	-0.24	0.84	0.06	2.75E-05	1.14E-02	mediumpurple3
ENSG00000132470	ITGB4	0.24	1.18	0.06	3.06E-05	1.21E-02	brown4
ENSG00000141314	RHBDL3	0.18	1.13	0.04	3.10E-05	1.21E-02	lightsteelblue1
ENSG00000147872	PLIN2	0.24	1.18	0.06	3.82E-05	1.46E-02	brown4
ENSG00000143341	HMCN1	-0.24	0.85	0.06	3.93E-05	1.46E-02	lightgreen
ENSG00000111696	NT5DC3	0.16	1.12	0.04	4.40E-05	1.55E-02	lightsteelblue1
ENSG00000124145	SDC4	0.24	1.18	0.06	4.45E-05	1.55E-02	black
ENSG00000214872	SMTNL1	0.22	1.17	0.05	4.60E-05	1.55E-02	turquoise
ENSG00000165899	OTOGL	-0.20	0.87	0.05	4.61E-05	1.55E-02	lightsteelblue1
ENSG00000147647	DPYS	-0.19	0.88	0.05	5.03E-05	1.59E-02	lightsteelblue1
ENSG00000074410	CA12	0.21	1.16	0.05	5.04E-05	1.59E-02	brown4
ENSG00000116711	PLA2G4A	-0.21	0.86	0.05	5.05E-05	1.59E-02	brown
ENSG00000081248	CACNA1S	-0.23	0.85	0.06	5.25E-05	1.61E-02	grey60

ENSG00000116717	GADD45A	0.24	1.18	0.06	5.34E-05	1.61E-02	brown4
ENSG00000120756	PLS1	-0.14	0.90	0.04	5.49E-05	1.62E-02	lightsteelblue1
ENSG00000048052	HDAC9	-0.15	0.90	0.04	5.62E-05	1.63E-02	lightsteelblue1
ENSG00000137857	DUOX1	0.19	1.14	0.05	6.08E-05	1.71E-02	yellow
ENSG00000113369	ARRDC3	0.23	1.17	0.06	6.18E-05	1.71E-02	brown4
ENSG00000244694	PTCHD4	-0.16	0.89	0.04	6.26E-05	1.71E-02	mediumpurple3
ENSG00000050165	DKK3	0.13	1.09	0.03	7.62E-05	2.04E-02	brown
ENSG00000122863	CHST3	0.23	1.17	0.06	7.85E-05	2.07E-02	brown4
ENSG00000187193	MT1X	0.22	1.16	0.06	8.09E-05	2.09E-02	brown4
ENSG00000154736	ADAMTS5	-0.19	0.88	0.05	8.23E-05	2.09E-02	navajowhite2
ENSG00000145681	HAPLN1	-0.21	0.87	0.05	8.78E-05	2.19E-02	thistle2
ENSG00000010322	NISCH	0.12	1.09	0.03	9.15E-05	2.21E-02	yellow
ENSG00000188729	OSTN	-0.23	0.85	0.06	9.15E-05	2.21E-02	brown
ENSG00000158480	SPATA2	0.12	1.09	0.03	9.68E-05	2.30E-02	yellow
ENSG00000060656	PTPRU	0.16	1.11	0.04	0.00010754	2.51E-02	yellow
ENSG00000110092	CCND1	-0.21	0.87	0.05	0.00011148	2.52E-02	lightgreen
ENSG00000108551	RASD1	0.21	1.15	0.05	0.00011168	2.52E-02	brown4
ENSG00000173011	TADA2B	0.10	1.07	0.03	0.00011371	2.52E-02	yellow
ENSG00000124205	EDN3	-0.22	0.86	0.06	0.0001164	2.52E-02	brown
ENSG00000164104	HMGB2	0.21	1.16	0.06	0.00011701	2.52E-02	brown4
ENSG00000139304	PTPRQ	-0.21	0.87	0.05	0.00011827	2.52E-02	turquoise
ENSG00000131187	F12	0.19	1.14	0.05	0.00012814	2.68E-02	grey60
ENSG00000128578	STRIP2	-0.13	0.91	0.03	0.00012947	2.68E-02	mediumpurple3
ENSG00000141469	SLC14A1	0.21	1.16	0.06	0.00013691	2.79E-02	black
ENSG00000155287	SLC25A28	0.10	1.07	0.03	0.00014467	2.90E-02	blue
ENSG00000144908	ALDH1L1	0.22	1.16	0.06	0.00015171	2.90E-02	brown4
ENSG00000183323	CCDC125	-0.11	0.93	0.03	0.00015593	2.90E-02	blue
ENSG00000162367	TAL1	-0.21	0.86	0.06	0.00015631	2.90E-02	lightcyan
ENSG00000175104	TRAF6	0.10	1.07	0.03	0.00015828	2.90E-02	darkgrey
ENSG00000122574	WIPF3	0.15	1.11	0.04	0.00015889	2.90E-02	yellow
ENSG00000171189	GRIK1	-0.16	0.89	0.04	0.00015929	2.90E-02	thistle2
ENSG00000102362	SYTL4	0.22	1.16	0.06	0.00016008	2.90E-02	brown4
ENSG00000151929	BAG3	0.21	1.16	0.06	0.00016021	2.90E-02	brown4
ENSG00000152818	UTRN	-0.14	0.91	0.04	0.00016545	2.93E-02	lightgreen
ENSG00000111907	TPD52L1	0.21	1.16	0.06	0.00016585	2.93E-02	black
ENSG00000138246	DNAJC13	-0.09	0.94	0.02	0.0001791	3.12E-02	darkgrey
ENSG00000123473	STIL	-0.12	0.92	0.03	0.00019321	3.33E-02	brown
ENSG00000101413	RPRD1B	0.08	1.05	0.02	0.00019661	3.34E-02	brown4
ENSG00000141682	PMAIP1	-0.22	0.86	0.06	0.00019847	3.34E-02	navajowhite2
ENSG00000118777	ABCG2	-0.21	0.87	0.06	0.00021336	3.55E-02	brown
ENSG00000120907	ADRA1A	-0.16	0.90	0.04	0.00022169	3.63E-02	salmon4
ENSG00000178015	GPR150	0.18	1.13	0.05	0.00022565	3.63E-02	brown
ENSG00000058866	DGKG	0.15	1.11	0.04	0.00022725	3.63E-02	brown4
ENSG00000174576	NPAS4	0.12	1.09	0.03	0.00023018	3.63E-02	darkslateblue
ENSG00000225828	FAM229A	0.19	1.14	0.05	0.00023524	3.63E-02	yellow
ENSG00000112706	IMPG1	-0.16	0.89	0.04	0.00023571	3.63E-02	darkgrey
ENSG00000103742	IGDCC4	0.19	1.14	0.05	0.00023789	3.63E-02	brown4
ENSG00000136297	MMD2	-0.21	0.86	0.06	0.00024055	3.63E-02	salmon4
ENSG00000166035	LIPC	-0.20	0.87	0.06	0.00024097	3.63E-02	grey
ENSG00000173085	COQ2	-0.15	0.90	0.04	0.00024339	3.63E-02	paleturquoise

ENSG00000186160	CYP4Z1	-0.17	0.89	0.05	0.0002476	3.66E-02	turquoise
ENSG00000163346	PBXIP1	0.19	1.14	0.05	0.00025246	3.69E-02	black
ENSG00000126003	PLAGL2	0.16	1.11	0.04	0.00026342	3.72E-02	yellow
ENSG00000135537	LACE1	-0.10	0.94	0.03	0.00026385	3.72E-02	darkgrey
ENSG00000110492	MDK	0.21	1.16	0.06	0.00026626	3.72E-02	brown4
ENSG00000176273	SLC35G1	-0.17	0.89	0.05	0.00026642	3.72E-02	brown
ENSG00000071575	TRIB2	-0.15	0.90	0.04	0.00026958	3.72E-02	darkslateblue
ENSG00000132334	PTPRE	-0.11	0.93	0.03	0.00026971	3.72E-02	brown
ENSG00000130821	SLC6A8	0.14	1.10	0.04	0.00028428	3.87E-02	blue
ENSG00000160862	AZGP1	0.21	1.15	0.06	0.0002859	3.87E-02	blue
ENSG00000115112	TFCP2L1	0.19	1.14	0.05	0.00028938	3.88E-02	brown4
ENSG00000156030	ELMSAN1	0.12	1.09	0.03	0.00029571	3.93E-02	brown4
ENSG00000120885	CLU	0.16	1.12	0.05	0.00030398	3.98E-02	brown4
ENSG00000151470	C4orf33	-0.12	0.92	0.03	0.00030588	3.98E-02	brown
ENSG00000087274	ADD1	0.07	1.05	0.02	0.00030907	3.98E-02	blue
ENSG00000198574	SH2D1B	0.20	1.15	0.06	0.00031042	3.98E-02	darkorange2
ENSG00000018280	SLC11A1	0.18	1.13	0.05	0.00031467	4.00E-02	brown4
ENSG00000101134	DOK5	-0.14	0.91	0.04	0.00032363	4.07E-02	lightsteelblue1
ENSG00000170396	ZNF804A	-0.15	0.90	0.04	0.00035004	4.37E-02	lightsteelblue1
ENSG00000115758	ODC1	0.17	1.13	0.05	0.00035701	4.42E-02	brown
ENSG00000172399	MYOZ2	0.18	1.13	0.05	0.00036533	4.48E-02	brown
ENSG00000240038	AMY2B	-0.11	0.93	0.03	0.00037326	4.51E-02	darkgrey
ENSG00000120158	RCL1	0.12	1.08	0.03	0.00037687	4.51E-02	brown4
ENSG00000049540	ELN	-0.20	0.87	0.06	0.00037739	4.51E-02	blue
ENSG00000143494	VASH2	0.16	1.11	0.04	0.00038871	4.61E-02	turquoise
ENSG00000164035	EMCN	-0.19	0.87	0.05	0.00039468	4.63E-02	lightcyan
ENSG00000203668	CHML	-0.14	0.91	0.04	0.00039624	4.63E-02	lightsteelblue1
ENSG00000162621	LRRC53	-0.19	0.88	0.05	0.00040625	4.70E-02	grey
ENSG00000170365	SMAD1	0.12	1.09	0.03	0.0004182	4.80E-02	brown4
ENSG00000152583	SPARCL1	0.15	1.11	0.04	0.00042422	4.82E-02	brown4
ENSG00000182508	LHFPL1	-0.20	0.87	0.06	0.000426	4.82E-02	black
ENSG00000111405	ENDOU	0.20	1.15	0.06	0.00045338	5.09E-02	black
ENSG00000099968	BCL2L13	0.09	1.07	0.03	0.00045948	5.12E-02	brown
ENSG00000168743	NPNT	-0.18	0.88	0.05	0.00046405	5.12E-02	lightgreen
ENSG00000144306	SCRN3	-0.11	0.93	0.03	0.00046709	5.12E-02	paleturquoise
ENSG00000139329	LUM	-0.20	0.87	0.06	0.00047643	5.18E-02	lightgreen
ENSG00000137288	UQCC2	-0.11	0.93	0.03	0.00048321	5.22E-02	grey60
ENSG00000093010	COMT	0.14	1.10	0.04	0.00048709	5.22E-02	blue
ENSG00000081059	TCF7	0.17	1.12	0.05	0.00049297	5.22E-02	yellow
ENSG00000132793	LPIN3	0.19	1.14	0.06	0.000495	5.22E-02	brown4
ENSG00000180287	PLD5	-0.15	0.90	0.04	0.00049757	5.22E-02	thistle2
ENSG00000189056	RELN	-0.20	0.87	0.06	0.00050383	5.23E-02	thistle2
ENSG00000015133	CCDC88C	-0.18	0.88	0.05	0.00050626	5.23E-02	grey60
ENSG00000169184	MN1	-0.17	0.89	0.05	0.00052968	5.44E-02	thistle2
ENSG00000095015	MAP3K1	-0.12	0.92	0.03	0.0005399	5.50E-02	paleturquoise
ENSG00000131378	RFTN1	-0.13	0.91	0.04	0.00054922	5.53E-02	grey60
ENSG00000079819	EPB41L2	-0.10	0.93	0.03	0.00055007	5.53E-02	mediumpurple3
ENSG00000113240	CLK4	-0.11	0.93	0.03	0.00055655	5.56E-02	brown
ENSG00000008394	MGST1	0.20	1.15	0.06	0.00057177	5.64E-02	brown4
ENSG00000148600	CDHR1	0.19	1.14	0.06	0.00057271	5.64E-02	yellow

ENSG00000156587	UBE2L6	0.15	1.11	0.04	0.00057898	5.66E-02	palevioletred3
ENSG00000074803	SLC12A1	-0.19	0.88	0.06	0.00058282	5.66E-02	lightsteelblue1
ENSG00000016391	CHDH	0.15	1.11	0.04	0.00058839	5.68E-02	black
ENSG00000211452	DIO1	0.19	1.14	0.05	0.00061319	5.85E-02	turquoise
ENSG00000145824	CXCL14	-0.19	0.88	0.06	0.00061462	5.85E-02	thistle2
ENSG00000183091	NEB	-0.16	0.89	0.05	0.00063305	5.99E-02	grey
ENSG00000007384	RHBDF1	0.17	1.12	0.05	0.0006535	6.07E-02	brown4
ENSG00000106025	TSPAN12	-0.18	0.88	0.05	0.00065674	6.07E-02	black
ENSG00000165685	TMEM52B	-0.20	0.87	0.06	0.00066005	6.07E-02	brown
ENSG00000100994	PYGB	0.13	1.09	0.04	0.00066191	6.07E-02	darkolivegreen
ENSG00000180638	SLC47A2	0.18	1.14	0.05	0.0006626	6.07E-02	yellow
ENSG00000154330	PGM5	-0.19	0.87	0.06	0.00067169	6.08E-02	lightgreen
ENSG00000140022	STON2	0.19	1.14	0.06	0.0006758	6.08E-02	black
ENSG00000174175	SELP	0.20	1.15	0.06	0.00067664	6.08E-02	turquoise
ENSG00000004799	PDK4	0.19	1.14	0.06	0.00068053	6.08E-02	brown4
ENSG00000161395	PGAP3	0.11	1.08	0.03	0.00069704	6.12E-02	darkolivegreen
ENSG00000101203	COL20A1	-0.18	0.88	0.05	0.00070022	6.12E-02	tan
ENSG00000137766	UNC13C	-0.13	0.91	0.04	0.00070938	6.12E-02	brown
ENSG00000163453	IGFBP7	0.18	1.13	0.05	0.00071416	6.12E-02	brown4
ENSG00000164512	ANKRD55	-0.17	0.89	0.05	0.00071687	6.12E-02	thistle2
ENSG00000122477	LRRC39	-0.12	0.92	0.04	0.00072138	6.12E-02	brown
ENSG00000261609	GAN	0.12	1.08	0.03	0.00072161	6.12E-02	brown4
ENSG00000136436	CALCOCO2	0.14	1.10	0.04	0.00072473	6.12E-02	brown4
ENSG00000111846	GCNT2	-0.17	0.89	0.05	0.0007308	6.12E-02	thistle2
ENSG00000172554	SNTG2	0.20	1.15	0.06	0.00073235	6.12E-02	grey
ENSG00000144366	GULP1	-0.14	0.91	0.04	0.00073323	6.12E-02	lightsteelblue1
ENSG00000197943	PLCG2	-0.18	0.88	0.05	0.00073529	6.12E-02	lightcyan
ENSG00000140545	MFGE8	-0.17	0.89	0.05	0.00074105	6.12E-02	grey60
ENSG00000163808	KIF15	-0.14	0.91	0.04	0.00074403	6.12E-02	darkgrey
ENSG00000143819	EPHX1	0.18	1.13	0.05	0.00075017	6.12E-02	brown4
ENSG00000086717	PPEF1	-0.18	0.88	0.05	0.00075211	6.12E-02	brown
ENSG00000120318	ARAP3	0.19	1.14	0.06	0.00078495	6.27E-02	tan
ENSG00000130222	GADD45G	0.19	1.14	0.06	0.00078691	6.27E-02	brown4
ENSG00000003989	SLC7A2	0.20	1.15	0.06	0.00078692	6.27E-02	brown4
ENSG00000068976	PYGM	-0.19	0.87	0.06	0.00078833	6.27E-02	salmon4
ENSG00000198342	ZNF442	0.19	1.14	0.06	0.00080356	6.32E-02	brown4
ENSG00000150630	VEGFC	-0.19	0.88	0.06	0.00080402	6.32E-02	lightgreen
ENSG00000140522	RLBP1	-0.19	0.88	0.06	0.00081203	6.34E-02	salmon4
ENSG00000051825	MPHOSPH9	-0.08	0.95	0.02	0.0008184	6.34E-02	turquoise
ENSG00000000003	TSPAN6	0.18	1.13	0.05	0.00082096	6.34E-02	brown4
ENSG00000042286	AIFM2	0.15	1.11	0.04	0.00082286	6.34E-02	tan
ENSG00000143390	RFX5	-0.11	0.93	0.03	0.00083158	6.37E-02	brown
ENSG00000237172	B3GNT9	0.17	1.12	0.05	0.00084681	6.45E-02	blue
ENSG00000143554	SLC27A3	0.16	1.12	0.05	0.00085366	6.47E-02	brown4
ENSG00000126709	IFI6	0.19	1.14	0.06	0.00086261	6.50E-02	palevioletred3
ENSG00000229894	GK3P	0.18	1.13	0.05	0.0008801	6.58E-02	turquoise
ENSG00000196510	ANAPC7	-0.09	0.94	0.03	0.00088223	6.58E-02	brown
ENSG00000147852	VLDLR	-0.14	0.91	0.04	0.00089301	6.62E-02	brown
ENSG00000172197	MBOAT1	-0.19	0.87	0.06	0.00089613	6.62E-02	blue
ENSG00000110651	CD81	0.12	1.09	0.04	0.00090329	6.64E-02	brown4

ENSG0000079482	OPHN1	0.12	1.09	0.04	0.00091236	6.67E-02	black
ENSG00000164211	STARD4	-0.15	0.90	0.05	0.00092152	6.70E-02	brown
ENSG00000010319	SEMA3G	-0.19	0.88	0.06	0.00094102	6.79E-02	brown
ENSG00000143036	SLC44A3	0.19	1.14	0.06	0.00094341	6.79E-02	brown4
ENSG00000081853	PCDHGA2	0.17	1.12	0.05	0.00095464	6.84E-02	black
ENSG00000149131	SERPING1	0.18	1.13	0.05	0.00096289	6.87E-02	brown4
ENSG00000107242	PIP5K1B	-0.15	0.90	0.05	0.00097279	6.90E-02	mediumpurple3
ENSG00000100949	RABGGTA	-0.13	0.92	0.04	0.00099045	6.98E-02	grey60
ENSG00000107738	C10orf54	0.19	1.14	0.06	0.00099368	6.98E-02	brown4
ENSG00000147121	KRBOX4	0.11	1.08	0.03	0.00101508	7.07E-02	brown4
ENSG00000163492	CCDC141	-0.19	0.88	0.06	0.00101667	7.07E-02	grey
ENSG00000175556	LONRF3	0.18	1.13	0.05	0.0010352	7.17E-02	brown4
ENSG00000137198	GMPR	0.19	1.14	0.06	0.00105632	7.28E-02	brown4
ENSG00000197647	ZNF433	0.14	1.11	0.04	0.00111355	7.64E-02	brown4
ENSG00000104899	AMH	0.19	1.14	0.06	0.00112179	7.64E-02	yellow
ENSG00000135414	GDF11	-0.13	0.91	0.04	0.00113565	7.64E-02	salmon4
ENSG00000111328	CDK2AP1	-0.14	0.91	0.04	0.00113575	7.64E-02	paleturquoise
ENSG00000257335	MGAM	0.18	1.14	0.06	0.00114104	7.64E-02	brown4
ENSG00000181396	OGFOD3	0.11	1.08	0.03	0.00114453	7.64E-02	tan
ENSG00000214456	PLIN5	0.19	1.14	0.06	0.00114558	7.64E-02	brown4
ENSG00000130208	APOC1	-0.19	0.88	0.06	0.00117315	7.72E-02	lightcyan
ENSG00000131969	ABHD12B	-0.13	0.91	0.04	0.00117352	7.72E-02	lightsteelblue1
ENSG00000104365	IKBKB	-0.10	0.93	0.03	0.00117353	7.72E-02	blue
ENSG00000047457	CP	0.16	1.11	0.05	0.00118794	7.77E-02	brown4
ENSG00000151632	AKR1C2	0.18	1.13	0.06	0.00120524	7.77E-02	grey
ENSG00000148498	PARD3	0.17	1.12	0.05	0.00121211	7.77E-02	black
ENSG00000100156	SLC16A8	0.18	1.13	0.06	0.00121251	7.77E-02	plum1
ENSG00000171246	NPTX1	0.15	1.11	0.05	0.00121741	7.77E-02	darkorange2
ENSG00000170325	PRDM10	-0.08	0.94	0.03	0.00122228	7.77E-02	lightsteelblue1
ENSG00000162419	GMEB1	-0.09	0.94	0.03	0.00122302	7.77E-02	darkolivegreen
ENSG00000221968	FADS3	0.12	1.09	0.04	0.00122323	7.77E-02	yellow
ENSG00000140798	ABCC12	-0.17	0.89	0.05	0.00124488	7.87E-02	brown
ENSG00000170439	METTL7B	0.19	1.14	0.06	0.00125739	7.91E-02	brown4
ENSG00000197747	S100A10	0.19	1.14	0.06	0.00128206	8.03E-02	brown4
ENSG00000104823	ECH1	0.11	1.08	0.04	0.00128722	8.03E-02	darkolivegreen
ENSG00000168874	ATOH8	0.19	1.14	0.06	0.00130202	8.03E-02	brown4
ENSG00000145832	SLC25A48	0.19	1.14	0.06	0.00130498	8.03E-02	blue
ENSG00000168394	TAP1	0.18	1.13	0.05	0.00130856	8.03E-02	palevioletred3
ENSG00000175899	A2M	-0.17	0.89	0.05	0.00130988	8.03E-02	lightcyan
ENSG00000165478	HEPACAM	0.17	1.12	0.05	0.001326	8.05E-02	brown4
ENSG00000137822	TUBGCP4	-0.07	0.95	0.02	0.00132828	8.05E-02	lightsteelblue1
ENSG00000176907	C8orf4	-0.18	0.88	0.06	0.00132911	8.05E-02	brown
ENSG00000105127	AKAP8	0.11	1.08	0.03	0.00134492	8.11E-02	brown
ENSG00000097046	CDC7	-0.13	0.92	0.04	0.00135089	8.11E-02	brown
ENSG00000108018	SORCS1	0.10	1.07	0.03	0.00137696	8.24E-02	lightsteelblue1
ENSG00000105974	CAV1	-0.18	0.88	0.06	0.00138685	8.26E-02	lightgreen
ENSG00000254245	PCDHGA3	0.16	1.12	0.05	0.00140754	8.30E-02	black
ENSG00000187608	ISG15	0.18	1.13	0.06	0.00140831	8.30E-02	palevioletred3
ENSG00000102265	TIMP1	0.19	1.14	0.06	0.00141406	8.30E-02	brown4
ENSG00000137513	NARS2	-0.12	0.92	0.04	0.00141562	8.30E-02	brown

ENSG00000088280	ASAP3	0.15	1.11	0.05	0.00143135	8.35E-02	brown4
ENSG00000174130	TLR6	-0.18	0.88	0.06	0.00145278	8.44E-02	lightcyan
ENSG00000169738	DCXR	0.13	1.09	0.04	0.00148872	8.61E-02	darkolivegreen
ENSG00000101333	PLCB4	-0.10	0.93	0.03	0.0015014	8.61E-02	lightsteelblue1
ENSG00000147571	CRH	-0.18	0.88	0.06	0.00150149	8.61E-02	darkslateblue
ENSG00000100243	CYB5R3	0.12	1.09	0.04	0.00150727	8.61E-02	brown4
ENSG00000186026	ZNF284	-0.12	0.92	0.04	0.00151101	8.61E-02	brown
ENSG00000160087	UBE2J2	0.09	1.07	0.03	0.00152491	8.62E-02	grey60
ENSG00000113319	RASGRF2	-0.13	0.92	0.04	0.00152549	8.62E-02	mediumpurple3
ENSG00000101213	PTK6	0.18	1.14	0.06	0.00154169	8.64E-02	blue
ENSG00000121417	ZNF211	-0.08	0.95	0.03	0.00154492	8.64E-02	paleturquoise
ENSG00000141665	FBXO15	-0.13	0.91	0.04	0.00154553	8.64E-02	blue
ENSG00000144596	GRIP2	-0.14	0.91	0.05	0.00156597	8.72E-02	grey60
ENSG00000132274	TRIM22	0.17	1.13	0.05	0.00158204	8.77E-02	palevioletred3
ENSG00000133687	TMTC1	0.12	1.08	0.04	0.00161506	8.90E-02	brown
ENSG00000180914	OXTR	0.18	1.13	0.06	0.00161686	8.90E-02	brown4
ENSG00000130589	HELZ2	0.18	1.14	0.06	0.0016274	8.92E-02	palevioletred3
ENSG00000176014	TUBB6	0.18	1.13	0.06	0.00164682	8.97E-02	brown4
ENSG00000125534	PPDPF	0.16	1.12	0.05	0.00164937	8.97E-02	yellow
ENSG00000185245	GP1BA	0.17	1.13	0.06	0.00166359	9.01E-02	yellow
ENSG00000165621	OXGR1	-0.18	0.88	0.06	0.00167726	9.01E-02	mediumpurple3
ENSG00000166979	EVA1C	0.13	1.09	0.04	0.00167846	9.01E-02	blue
ENSG00000149599	DUSP15	0.17	1.13	0.06	0.00168078	9.01E-02	brown4
ENSG00000182601	HS3ST4	0.17	1.13	0.05	0.00170837	9.12E-02	darkorange2
ENSG00000076248	UNG	0.14	1.11	0.05	0.00172594	9.12E-02	brown4
ENSG00000128989	ARPP19	-0.13	0.92	0.04	0.00172909	9.12E-02	brown
ENSG00000115616	SLC9A2	-0.16	0.89	0.05	0.0017322	9.12E-02	brown
ENSG00000154975	CA10	-0.13	0.92	0.04	0.001733	9.12E-02	mediumpurple3
ENSG00000124787	RPP40	-0.14	0.91	0.04	0.0017393	9.12E-02	brown
ENSG00000153902	LGI4	0.14	1.10	0.04	0.00174447	9.12E-02	brown4
ENSG00000151466	SCLT1	-0.09	0.94	0.03	0.0017556	9.12E-02	paleturquoise
ENSG00000152578	GRIA4	-0.12	0.92	0.04	0.00175726	9.12E-02	mediumpurple3
ENSG00000120903	CHRNA2	-0.17	0.89	0.06	0.00179842	9.26E-02	thistle2
ENSG00000163644	PPM1K	0.09	1.07	0.03	0.00179849	9.26E-02	darkgrey
ENSG00000112576	CCND3	0.11	1.08	0.04	0.00181863	9.33E-02	brown4
ENSG00000163312	HELQ	-0.09	0.94	0.03	0.0018401	9.41E-02	darkgrey
ENSG00000168918	INPP5D	-0.16	0.89	0.05	0.0018521	9.42E-02	lightcyan
ENSG00000243710	WDR65	-0.16	0.89	0.05	0.00185402	9.42E-02	mediumpurple3
ENSG00000008083	JARID2	0.10	1.07	0.03	0.00186096	9.42E-02	brown4
ENSG00000143248	RGS5	-0.15	0.90	0.05	0.00186963	9.43E-02	brown
ENSG00000185201	IFITM2	0.17	1.13	0.06	0.00189951	9.51E-02	brown4
ENSG00000164089	ETNPPL	0.18	1.13	0.06	0.00190999	9.51E-02	black
ENSG00000173376	NDNF	-0.18	0.88	0.06	0.00191222	9.51E-02	thistle2
ENSG00000162927	PUS10	-0.11	0.92	0.04	0.00191291	9.51E-02	turquoise
ENSG00000155380	SLC16A1	0.18	1.13	0.06	0.00197997	9.81E-02	brown4
ENSG00000138678	AGPAT9	-0.16	0.90	0.05	0.0019858	9.81E-02	brown
ENSG00000108932	SLC16A6	0.17	1.12	0.05	0.00200673	9.88E-02	brown4
ENSG00000162738	VANGL2	0.16	1.12	0.05	0.0020137	9.88E-02	brown4
ENSG00000188321	ZNF559	-0.12	0.92	0.04	0.00202472	9.90E-02	paleturquoise
ENSG00000173588	CCDC41	-0.09	0.94	0.03	0.0020475	9.98E-02	darkgrey

ENSG00000177030	DEAF1	0.11	1.08	0.04	0.00207308	1.01E-01	darkolivegreen
ENSG00000163535	SGOL2	-0.13	0.92	0.04	0.00208636	1.01E-01	darkgrey
ENSG00000067955	CBFB	0.16	1.12	0.05	0.00210551	1.02E-01	paleturquoise
ENSG00000125148	MT2A	0.18	1.13	0.06	0.00212755	1.02E-01	brown4
ENSG00000167525	PROCA1	0.15	1.11	0.05	0.00213653	1.02E-01	brown4
ENSG00000105438	KDELR1	0.08	1.06	0.03	0.00213897	1.02E-01	yellow
ENSG00000197948	FCHSD1	0.13	1.09	0.04	0.00213991	1.02E-01	tan
ENSG00000170837	GPR27	0.13	1.09	0.04	0.0021499	1.02E-01	grey
ENSG00000117650	NEK2	-0.18	0.88	0.06	0.0021714	1.03E-01	brown
ENSG00000124762	CDKN1A	0.16	1.12	0.05	0.00218153	1.03E-01	brown4
ENSG00000144619	CNTN4	-0.10	0.93	0.03	0.00218839	1.03E-01	lightsteelblue1
ENSG00000085721	RRN3	0.11	1.08	0.04	0.00221684	1.04E-01	darkgrey
ENSG00000161904	LEMD2	0.09	1.06	0.03	0.00221818	1.04E-01	blue
ENSG00000196396	PTPN1	0.08	1.06	0.03	0.00224809	1.04E-01	brown4
ENSG00000005108	THSD7A	-0.14	0.90	0.05	0.00225442	1.04E-01	thistle2
ENSG00000152760	TCTEX1D1	-0.15	0.90	0.05	0.00225806	1.04E-01	lightsteelblue1
ENSG00000110013	SIAE	-0.10	0.94	0.03	0.00225866	1.04E-01	brown
ENSG00000072952	MRVI1	0.17	1.13	0.06	0.00230335	1.06E-01	brown4
ENSG00000154928	EPHB1	-0.13	0.92	0.04	0.00232749	1.06E-01	salmon4
ENSG00000173208	ABCD2	-0.13	0.91	0.04	0.00233222	1.06E-01	lightsteelblue1
ENSG00000126882	FAM78A	-0.13	0.92	0.04	0.00233362	1.06E-01	grey60
ENSG00000170324	FRMPD2	-0.17	0.89	0.06	0.00234065	1.06E-01	brown
ENSG00000196549	MME	-0.16	0.90	0.05	0.00234856	1.06E-01	lightsteelblue1
ENSG00000185689	C6orf201	0.16	1.12	0.05	0.00235487	1.06E-01	grey
ENSG00000267508	ZNF285	-0.11	0.93	0.04	0.00239591	1.08E-01	blue
ENSG00000103811	CTSH	-0.15	0.90	0.05	0.00240826	1.08E-01	brown4
ENSG00000138795	LEF1	-0.15	0.90	0.05	0.00243234	1.09E-01	lightgreen
ENSG00000167703	SLC43A2	0.14	1.10	0.05	0.00245771	1.09E-01	brown4
ENSG00000153767	GTF2E1	-0.10	0.93	0.03	0.00246085	1.09E-01	brown
ENSG00000069535	MAOB	0.12	1.09	0.04	0.0024788	1.10E-01	brown4
ENSG00000101276	SLC52A3	0.17	1.13	0.06	0.00251698	1.11E-01	brown4
ENSG00000173517	PEAK1	-0.07	0.95	0.02	0.00252325	1.11E-01	yellow
ENSG00000164379	FOXQ1	-0.17	0.89	0.06	0.00256424	1.12E-01	grey
ENSG00000122254	HS3ST2	0.18	1.13	0.06	0.00258127	1.13E-01	darkorange2
ENSG00000184304	PRKD1	-0.09	0.94	0.03	0.00259097	1.13E-01	turquoise
ENSG00000182287	AP1S2	-0.12	0.92	0.04	0.00261367	1.14E-01	brown
ENSG00000241563	CORT	-0.17	0.89	0.06	0.00265815	1.15E-01	grey60
ENSG00000171488	LRR8C	-0.11	0.93	0.04	0.00268519	1.16E-01	brown
ENSG00000106034	CPED1	-0.17	0.89	0.06	0.00271139	1.16E-01	lightgreen
ENSG00000156049	GNA14	0.16	1.11	0.05	0.00271461	1.16E-01	brown4
ENSG00000197081	IGF2R	0.07	1.05	0.02	0.00271841	1.16E-01	yellow
ENSG00000162694	EXTL2	-0.13	0.92	0.04	0.00272285	1.16E-01	lightsteelblue1
ENSG00000136425	CIB2	0.15	1.11	0.05	0.00273476	1.16E-01	darkolivegreen
ENSG00000167100	SAMD14	0.14	1.10	0.05	0.00275646	1.17E-01	yellow
ENSG00000197299	BLM	-0.13	0.91	0.04	0.00277656	1.18E-01	brown
ENSG00000164326	CARTPT	0.15	1.11	0.05	0.00278558	1.18E-01	lightsteelblue1
ENSG00000197956	S100A6	0.14	1.10	0.05	0.00280892	1.18E-01	skyblue3
ENSG00000181631	P2RY13	-0.15	0.90	0.05	0.00283036	1.18E-01	lightcyan
ENSG00000167291	TBC1D16	0.09	1.06	0.03	0.00284098	1.18E-01	brown4
ENSG00000169064	ZBBX	-0.15	0.90	0.05	0.00284437	1.18E-01	lightsteelblue1

ENSG00000112280	COL9A1	-0.14	0.91	0.05	0.00284929	1.18E-01	paleturquoise
ENSG00000095585	BLNK	-0.17	0.89	0.06	0.00285023	1.18E-01	lightcyan
ENSG00000172059	KLF11	0.13	1.09	0.04	0.00286074	1.18E-01	brown4
ENSG00000203326	ZNF525	-0.13	0.91	0.04	0.00288338	1.19E-01	paleturquoise
ENSG00000138821	SLC39A8	-0.13	0.91	0.04	0.00289384	1.19E-01	darkgrey
ENSG00000116679	IVNS1ABP	-0.13	0.92	0.04	0.00291385	1.19E-01	paleturquoise
ENSG00000175054	ATR	-0.07	0.95	0.02	0.00291785	1.19E-01	brown
ENSG0000017483	SLC38A5	-0.17	0.89	0.06	0.00292026	1.19E-01	brown
ENSG00000105122	RASAL3	-0.17	0.89	0.06	0.00293611	1.19E-01	lightcyan
ENSG00000152034	MCHR2	-0.14	0.90	0.05	0.0029386	1.19E-01	lightsteelblue1
ENSG00000130529	TRPM4	0.14	1.10	0.05	0.0029446	1.19E-01	yellow
ENSG00000139352	ASCL1	-0.14	0.90	0.05	0.00296043	1.19E-01	salmon4
ENSG00000168491	CCDC110	-0.14	0.91	0.05	0.00297982	1.20E-01	lightsteelblue1
ENSG00000184270	HIST2H2AB	0.13	1.10	0.04	0.00298228	1.20E-01	black
ENSG00000152595	MEPE	0.17	1.13	0.06	0.00299615	1.20E-01	brown
ENSG00000143772	ITPKB	0.16	1.12	0.05	0.00300677	1.20E-01	brown4
ENSG00000138669	PRKG2	-0.12	0.92	0.04	0.00305596	1.21E-01	mediumpurple3
ENSG00000177951	BET1L	0.09	1.06	0.03	0.0030562	1.21E-01	yellow
ENSG00000101349	PAK7	-0.10	0.93	0.03	0.00307406	1.21E-01	lightsteelblue1
ENSG00000115415	STAT1	0.15	1.11	0.05	0.00308019	1.21E-01	palevioletred3
ENSG00000106351	AGFG2	0.09	1.06	0.03	0.00308676	1.21E-01	brown4
ENSG00000066382	MPPED2	-0.09	0.94	0.03	0.00310572	1.22E-01	mediumpurple3
ENSG00000102393	GLA	-0.14	0.91	0.05	0.00310693	1.22E-01	brown
ENSG00000116729	WLS	0.13	1.09	0.04	0.00312755	1.22E-01	brown4
ENSG00000166949	SMAD3	-0.09	0.94	0.03	0.00314068	1.22E-01	grey60
ENSG00000115239	GPR75-ASB3	0.09	1.07	0.03	0.00314394	1.22E-01	black
ENSG00000160124	CCDC58	-0.11	0.93	0.04	0.00317414	1.23E-01	darkgrey
ENSG00000175077	RTP1	-0.17	0.89	0.06	0.00318938	1.23E-01	lightsteelblue1
ENSG00000139410	SDSL	0.17	1.13	0.06	0.00322642	1.24E-01	brown4
ENSG00000145451	GLRA3	-0.14	0.91	0.05	0.00324943	1.25E-01	mediumpurple3
ENSG00000122547	EEDP1	-0.12	0.92	0.04	0.00329801	1.25E-01	blue
ENSG00000021461	CYP3A43	0.17	1.12	0.06	0.0033114	1.25E-01	turquoise
ENSG00000173926	43162	0.17	1.12	0.06	0.00331468	1.25E-01	brown4
ENSG00000197019	SERTAD1	0.17	1.13	0.06	0.00332166	1.25E-01	plum2
ENSG00000118432	CNR1	-0.13	0.91	0.04	0.00333094	1.25E-01	thistle2
ENSG00000127252	HRASLS	-0.12	0.92	0.04	0.00333158	1.25E-01	brown
ENSG00000109111	SUPT6H	0.08	1.06	0.03	0.00333306	1.25E-01	yellow
ENSG00000168003	SLC3A2	0.12	1.09	0.04	0.00333396	1.25E-01	brown4
ENSG00000125520	SLC2A4RG	0.14	1.10	0.05	0.00335437	1.26E-01	brown4
ENSG00000133048	CHI3L1	0.14	1.10	0.05	0.00336823	1.26E-01	brown4
ENSG00000056277	ZNF280C	-0.08	0.94	0.03	0.00338503	1.26E-01	darkgrey
ENSG00000185885	IFITM1	0.17	1.12	0.06	0.00339451	1.26E-01	palevioletred3
ENSG00000005243	COP22	0.16	1.12	0.05	0.00340792	1.26E-01	brown4
ENSG00000143367	TUFT1	0.10	1.07	0.03	0.00342974	1.27E-01	grey60
ENSG00000174371	EXO1	-0.16	0.90	0.05	0.00343029	1.27E-01	thistle2
ENSG00000141485	SLC13A5	-0.16	0.89	0.06	0.00344228	1.27E-01	salmon4
ENSG00000183682	BMP8A	0.13	1.10	0.05	0.00344974	1.27E-01	grey60
ENSG00000165970	SLC6A5	-0.16	0.89	0.05	0.00345607	1.27E-01	lightsteelblue1
ENSG00000133710	SPINK5	-0.14	0.91	0.05	0.00351244	1.28E-01	blue
ENSG00000141337	ARSG	0.12	1.09	0.04	0.00353909	1.28E-01	tan

ENSG00000224470	ATXN1L	0.08	1.05	0.03	0.00354065	1.28E-01	blue
ENSG00000088992	TESC	-0.14	0.91	0.05	0.00354618	1.28E-01	darkolivegreen
ENSG00000211448	DIO2	-0.17	0.89	0.06	0.00355042	1.28E-01	black
ENSG00000160224	AIRE	0.17	1.12	0.06	0.00355426	1.28E-01	yellow
ENSG00000156535	CD109	0.14	1.11	0.05	0.00355554	1.28E-01	black
ENSG00000159403	C1R	0.17	1.13	0.06	0.00356552	1.28E-01	brown4
ENSG00000128928	IVD	0.08	1.06	0.03	0.00357711	1.28E-01	brown4
ENSG00000130940	CASZ1	0.16	1.12	0.06	0.0035854	1.28E-01	brown4
ENSG00000198721	ECI2	0.12	1.09	0.04	0.00359795	1.28E-01	brown4
ENSG00000128606	LRRC17	-0.15	0.90	0.05	0.00362264	1.29E-01	grey
ENSG00000137720	C11orf1	-0.10	0.93	0.03	0.00365851	1.30E-01	brown
ENSG00000072682	P4HA2	0.11	1.08	0.04	0.00368205	1.30E-01	yellow
ENSG00000205639	MFSD2B	0.16	1.12	0.06	0.00369026	1.30E-01	turquoise
ENSG00000115604	IL18R1	0.14	1.10	0.05	0.00369955	1.30E-01	brown4
ENSG00000176293	ZNF135	-0.10	0.93	0.04	0.00370283	1.30E-01	blue
ENSG00000010810	FYN	0.09	1.07	0.03	0.003718	1.30E-01	brown4
ENSG00000164344	KLKB1	-0.16	0.89	0.06	0.00374033	1.31E-01	black
ENSG00000166292	TMEM100	0.17	1.12	0.06	0.00382403	1.33E-01	black
ENSG00000172243	CLEC7A	-0.17	0.89	0.06	0.00385658	1.34E-01	lightcyan
ENSG00000140678	ITGAX	-0.17	0.89	0.06	0.00386303	1.34E-01	lightcyan
ENSG00000180881	CAPS2	-0.10	0.93	0.04	0.0038725	1.34E-01	lightsteelblue1
ENSG00000241852	C8orf58	0.13	1.10	0.05	0.00390332	1.35E-01	brown4
ENSG00000183943	PRKX	0.14	1.11	0.05	0.00390644	1.35E-01	brown4
ENSG00000165449	SLC16A9	0.17	1.12	0.06	0.00392791	1.35E-01	black
ENSG00000042493	CAPG	0.17	1.12	0.06	0.00393882	1.35E-01	brown4
ENSG00000072210	ALDH3A2	0.09	1.07	0.03	0.0039469	1.35E-01	darkgrey
ENSG00000110628	SLC22A18	0.16	1.11	0.05	0.00395235	1.35E-01	grey60
ENSG00000156017	C9orf41	-0.10	0.93	0.04	0.00396488	1.35E-01	lightsteelblue1
ENSG00000107186	MPDZ	-0.08	0.95	0.03	0.00396747	1.35E-01	paleturquoise
ENSG00000175970	UNC119B	0.07	1.05	0.02	0.00397307	1.35E-01	grey
ENSG00000128655	PDE11A	-0.16	0.90	0.05	0.00397858	1.35E-01	blue
ENSG00000156140	ADAMTS3	-0.13	0.92	0.04	0.00403519	1.36E-01	mediumpurple3
ENSG00000147082	CCNB3	-0.16	0.89	0.06	0.00406424	1.37E-01	blue
ENSG00000070269	TMEM260	-0.08	0.95	0.03	0.00407812	1.37E-01	paleturquoise
ENSG00000072182	ASIC4	-0.14	0.91	0.05	0.00408773	1.37E-01	grey60
ENSG00000179918	SEPHS2	0.11	1.08	0.04	0.004099	1.37E-01	grey60
ENSG00000166228	PCBD1	0.11	1.08	0.04	0.00410234	1.37E-01	brown4
ENSG00000185507	IRF7	0.15	1.11	0.05	0.00412963	1.37E-01	brown4
ENSG00000146469	VIP	-0.16	0.89	0.06	0.0041625	1.38E-01	thistle2
ENSG00000100439	ABHD4	0.15	1.11	0.05	0.00418023	1.38E-01	brown4
ENSG00000013503	POLR3B	-0.08	0.95	0.03	0.0041923	1.38E-01	brown
ENSG00000119737	GPR75	0.13	1.09	0.04	0.00419468	1.38E-01	black
ENSG00000087008	ACOX3	0.07	1.05	0.03	0.00421104	1.39E-01	yellow
ENSG00000026508	CD44	0.14	1.11	0.05	0.00425293	1.39E-01	brown4
ENSG00000197093	GAL3ST4	-0.16	0.90	0.06	0.00425913	1.39E-01	lightcyan
ENSG00000178623	GPR35	0.16	1.11	0.05	0.00426172	1.39E-01	yellow
ENSG00000183570	PCBP3	0.13	1.09	0.04	0.00427767	1.39E-01	yellow
ENSG00000115750	TAF1B	-0.08	0.94	0.03	0.00435669	1.42E-01	brown
ENSG00000121060	TRIM25	0.12	1.09	0.04	0.0043868	1.42E-01	palevioletred3
ENSG00000170412	GPRC5C	0.16	1.12	0.06	0.00442527	1.43E-01	brown4

ENSG00000197037	ZSCAN25	0.06	1.04	0.02	0.00445771	1.44E-01	tan
ENSG00000116985	BMP8B	0.13	1.09	0.04	0.00447614	1.44E-01	blue
ENSG00000101825	MXRA5	-0.16	0.89	0.06	0.00448647	1.44E-01	brown
ENSG00000081320	STK17B	0.17	1.12	0.06	0.00455348	1.46E-01	black
ENSG00000038532	CLEC16A	0.06	1.04	0.02	0.00458524	1.47E-01	yellow
ENSG00000141434	MEP1B	0.15	1.11	0.05	0.00459106	1.47E-01	turquoise
ENSG00000214050	FBXO16	-0.10	0.93	0.04	0.00461562	1.47E-01	lightsteelblue1
ENSG00000186480	INSIG1	-0.14	0.91	0.05	0.00465018	1.48E-01	brown
ENSG00000120675	DNAJC15	-0.12	0.92	0.04	0.00465322	1.48E-01	paleturquoise
ENSG00000134874	DZIP1	0.08	1.06	0.03	0.00471675	1.49E-01	yellow
ENSG00000070366	SMG6	0.08	1.06	0.03	0.00476131	1.50E-01	brown4
ENSG00000118729	CASQ2	-0.15	0.90	0.05	0.00479059	1.51E-01	lightgreen
ENSG00000189114	BLOC1S3	0.11	1.08	0.04	0.00483294	1.51E-01	yellow
ENSG00000182324	KCNJ14	-0.15	0.90	0.05	0.00483801	1.51E-01	grey60
ENSG00000187123	LYPD6	-0.12	0.92	0.04	0.00483891	1.51E-01	thistle2
ENSG00000198053	SIRPA	0.09	1.06	0.03	0.00484677	1.51E-01	yellow
ENSG00000185950	IRS2	0.10	1.07	0.04	0.00484936	1.51E-01	yellow
ENSG00000070882	OSBPL3	-0.11	0.93	0.04	0.00495057	1.54E-01	brown
ENSG00000198298	ZNF485	-0.12	0.92	0.04	0.00496242	1.54E-01	paleturquoise
ENSG00000177707	PVRL3	-0.12	0.92	0.04	0.00499433	1.54E-01	mediumpurple3
ENSG00000197016	ZNF470	-0.09	0.94	0.03	0.00500381	1.54E-01	brown
ENSG00000106633	GCK	0.14	1.10	0.05	0.00501058	1.54E-01	darkolivegreen
ENSG00000146143	PRIM2	-0.10	0.94	0.03	0.00501611	1.54E-01	paleturquoise
ENSG00000100226	GTPBP1	0.08	1.06	0.03	0.00502229	1.54E-01	darkolivegreen
ENSG00000147124	ZNF41	-0.07	0.95	0.03	0.00503034	1.54E-01	brown
ENSG00000146242	TPBG	-0.15	0.90	0.05	0.00504203	1.54E-01	lightsteelblue1
ENSG00000103319	EEF2K	0.10	1.07	0.04	0.00505105	1.54E-01	brown4
ENSG00000204611	ZNF616	-0.09	0.94	0.03	0.00505747	1.54E-01	paleturquoise
ENSG00000181220	ZNF746	0.08	1.06	0.03	0.00508174	1.54E-01	yellow
ENSG00000118596	SLC16A7	-0.11	0.93	0.04	0.00508405	1.54E-01	lightsteelblue1
ENSG00000169129	AFAP1L2	-0.10	0.93	0.04	0.00514743	1.56E-01	grey60
ENSG00000160801	PTH1R	0.14	1.10	0.05	0.00519553	1.57E-01	brown4
ENSG00000067182	TNFRSF1A	0.16	1.11	0.06	0.00520479	1.57E-01	brown4
ENSG00000171160	MORN4	-0.09	0.94	0.03	0.00522373	1.57E-01	grey60
ENSG00000122971	ACADS	0.14	1.10	0.05	0.00522448	1.57E-01	brown4
ENSG00000168675	LDLRAD4	-0.10	0.93	0.03	0.00523331	1.57E-01	paleturquoise
ENSG00000101104	PABPC1L	-0.12	0.92	0.04	0.00524808	1.57E-01	tan
ENSG00000169083	AR	-0.13	0.91	0.05	0.0052488	1.57E-01	darkgrey
ENSG00000143393	PI4KB	0.08	1.05	0.03	0.00528074	1.57E-01	darkolivegreen
ENSG00000145248	SLC10A4	-0.15	0.90	0.05	0.00530817	1.57E-01	thistle2
ENSG00000004864	SLC25A13	-0.15	0.90	0.05	0.00531236	1.57E-01	blue
ENSG00000136802	LRRC8A	0.11	1.08	0.04	0.00531312	1.57E-01	black
ENSG00000162601	MYSM1	-0.08	0.94	0.03	0.00535535	1.58E-01	lightsteelblue1
ENSG00000018869	ZNF582	-0.08	0.95	0.03	0.00536496	1.58E-01	paleturquoise
ENSG00000173391	OLR1	-0.16	0.90	0.06	0.00538233	1.58E-01	lightcyan
ENSG00000131435	PDLIM4	0.16	1.12	0.06	0.00538259	1.58E-01	brown4
ENSG00000181104	F2R	0.15	1.11	0.06	0.00538716	1.58E-01	brown4
ENSG00000164142	FAM160A1	-0.14	0.91	0.05	0.00540944	1.58E-01	grey60
ENSG00000140939	NOL3	0.13	1.10	0.05	0.00544126	1.59E-01	blue
ENSG00000205758	CRYZL1	0.06	1.05	0.02	0.00545587	1.59E-01	brown

ENSG00000176222	ZNF404	-0.11	0.93	0.04	0.00545902	1.59E-01	paleturquoise
ENSG00000152495	CAMK4	-0.12	0.92	0.04	0.00554541	1.60E-01	lightsteelblue1
ENSG00000175445	LPL	0.15	1.11	0.06	0.00554709	1.60E-01	darkgrey
ENSG00000196235	SUPT5H	0.08	1.06	0.03	0.00556093	1.60E-01	darkolivegreen
ENSG00000136859	ANGPTL2	-0.14	0.91	0.05	0.0055653	1.60E-01	blue
ENSG00000118292	C1orf54	0.16	1.12	0.06	0.00557529	1.60E-01	brown4
ENSG00000182463	TSHZ2	0.14	1.10	0.05	0.00559442	1.61E-01	saddlebrown
ENSG00000179941	BBS10	-0.10	0.93	0.04	0.00563212	1.61E-01	darkgrey
ENSG00000062598	ELMO2	0.07	1.05	0.02	0.00565332	1.62E-01	blue
ENSG00000117791	43161	0.09	1.07	0.03	0.00567705	1.62E-01	brown4
ENSG00000110975	SYT10	-0.15	0.90	0.05	0.00568346	1.62E-01	lightsteelblue1
ENSG00000128641	MYO1B	-0.12	0.92	0.05	0.00574135	1.63E-01	mediumpurple3
ENSG00000134243	SORT1	0.10	1.07	0.04	0.00577007	1.63E-01	blue
ENSG00000157404	KIT	-0.14	0.91	0.05	0.00577447	1.63E-01	thistle2
ENSG00000145725	PIIP5K2	-0.07	0.95	0.03	0.00579004	1.63E-01	brown
ENSG00000117594	HSD11B1	-0.16	0.89	0.06	0.00579551	1.63E-01	blue
ENSG00000005844	ITGAL	-0.16	0.89	0.06	0.00579838	1.63E-01	lightcyan
ENSG00000240583	AQP1	0.14	1.10	0.05	0.00581995	1.64E-01	blue
ENSG00000168792	ABHD15	0.14	1.10	0.05	0.00583591	1.64E-01	brown4
ENSG00000077092	RARB	-0.12	0.92	0.05	0.00584959	1.64E-01	lightsteelblue1
ENSG00000186395	KRT10	0.11	1.08	0.04	0.00585285	1.64E-01	yellowgreen
ENSG00000165061	ZMAT4	-0.12	0.92	0.04	0.0059029	1.64E-01	lightsteelblue1
ENSG00000151468	CCDC3	0.10	1.07	0.04	0.00590525	1.64E-01	darkolivegreen
ENSG00000075151	EIF4G3	-0.07	0.95	0.03	0.00591943	1.64E-01	brown
ENSG00000186352	ANKRD37	-0.15	0.90	0.06	0.00605164	1.68E-01	grey
ENSG00000077238	IL4R	0.16	1.11	0.06	0.00606261	1.68E-01	brown4
ENSG00000154764	WNT7A	-0.14	0.91	0.05	0.00608173	1.68E-01	thistle2
ENSG00000174306	ZHX3	0.08	1.05	0.03	0.00608933	1.68E-01	black
ENSG00000119973	PRLHR	-0.15	0.90	0.06	0.00616148	1.69E-01	thistle2
ENSG00000054277	OPN3	-0.13	0.92	0.05	0.0061794	1.69E-01	brown
ENSG00000051620	HEBP2	0.13	1.10	0.05	0.00618122	1.69E-01	brown4
ENSG00000214113	LYRM4	-0.08	0.94	0.03	0.00618425	1.69E-01	brown
ENSG00000169313	P2RY12	-0.16	0.90	0.06	0.00618664	1.69E-01	lightcyan
ENSG00000197921	HES5	-0.16	0.90	0.06	0.006214	1.69E-01	salmon4
ENSG00000109113	RAB34	0.15	1.11	0.06	0.00626067	1.70E-01	brown4
ENSG00000104903	LYL1	-0.16	0.90	0.06	0.00631529	1.71E-01	lightcyan
ENSG00000103196	CRISPLD2	0.16	1.12	0.06	0.00631801	1.71E-01	brown4
ENSG00000088836	SLC4A11	0.16	1.12	0.06	0.00633645	1.71E-01	yellow
ENSG00000197520	FAM177B	-0.16	0.90	0.06	0.00635681	1.71E-01	lightcyan
ENSG00000165124	SVEP1	0.16	1.12	0.06	0.00637567	1.71E-01	blue
ENSG00000078401	EDN1	0.15	1.11	0.06	0.00637642	1.71E-01	brown4
ENSG00000108091	CCDC6	0.09	1.06	0.03	0.0063842	1.71E-01	lightsteelblue1
ENSG00000063761	ADCK1	-0.11	0.92	0.04	0.00639913	1.71E-01	plum1
ENSG00000143179	UCK2	-0.08	0.95	0.03	0.00640966	1.71E-01	grey60
ENSG00000142609	C1orf222	-0.13	0.91	0.05	0.00647576	1.73E-01	yellow
ENSG00000198301	SDAD1	-0.08	0.95	0.03	0.00653278	1.74E-01	brown
ENSG00000109906	ZBTB16	0.13	1.09	0.05	0.00653609	1.74E-01	yellow
ENSG00000196950	SLC39A10	-0.12	0.92	0.04	0.00655055	1.74E-01	brown
ENSG00000005189	AC004381.6	-0.11	0.93	0.04	0.00657489	1.74E-01	grey
ENSG00000135472	FAIM2	0.10	1.07	0.04	0.00661914	1.75E-01	grey60

ENSG00000164292	RHOBTB3	0.15	1.11	0.05	0.00663498	1.75E-01	black
ENSG00000140519	RHCG	0.11	1.08	0.04	0.00667595	1.75E-01	yellow
ENSG00000168958	MFF	-0.08	0.95	0.03	0.00667713	1.75E-01	paleturquoise
ENSG00000168309	FAM107A	0.15	1.11	0.05	0.00670648	1.75E-01	brown4
ENSG00000172824	CES4A	0.12	1.09	0.04	0.00670969	1.75E-01	tan
ENSG00000177575	CD163	0.12	1.09	0.04	0.00671875	1.75E-01	brown4
ENSG00000119685	TTLL5	-0.06	0.96	0.02	0.00672322	1.75E-01	blue
ENSG00000066629	EML1	-0.07	0.95	0.03	0.00672356	1.75E-01	paleturquoise
ENSG00000112312	GMNN	0.15	1.11	0.06	0.00673063	1.75E-01	brown4
ENSG00000175766	EIF4E1B	-0.13	0.91	0.05	0.00674398	1.75E-01	darkolivegreen
ENSG00000145623	OSMR	0.15	1.11	0.06	0.0067624	1.75E-01	brown4
ENSG00000187474	FPR3	0.16	1.12	0.06	0.00677406	1.75E-01	brown4
ENSG00000081148	IMPG2	-0.12	0.92	0.05	0.0068105	1.75E-01	lightsteelblue1
ENSG00000076321	KLHL20	-0.08	0.95	0.03	0.00681248	1.75E-01	paleturquoise
ENSG00000119917	IFIT3	0.16	1.11	0.06	0.00681822	1.75E-01	palevioletred3
ENSG00000121578	B4GALT4	0.08	1.06	0.03	0.0068248	1.75E-01	brown4
ENSG00000246705	H2AFJ	0.15	1.11	0.06	0.00683396	1.75E-01	brown4
ENSG00000147434	CHRNA6	-0.15	0.90	0.06	0.00683734	1.75E-01	thistle2
ENSG00000074181	NOTCH3	-0.15	0.90	0.06	0.00683868	1.75E-01	lightgreen
ENSG00000135503	ACVR1B	0.08	1.06	0.03	0.00684896	1.75E-01	grey60
ENSG00000134326	CMPK2	0.14	1.10	0.05	0.00685369	1.75E-01	palevioletred3
ENSG00000213088	DARC	0.16	1.12	0.06	0.00691078	1.76E-01	brown4
ENSG00000155324	GRAMD3	0.14	1.11	0.05	0.00691519	1.76E-01	black
ENSG00000112936	C7	0.14	1.10	0.05	0.00692433	1.76E-01	lightgreen
ENSG00000112319	EYA4	-0.14	0.91	0.05	0.00695681	1.76E-01	paleturquoise
ENSG00000139687	RB1	-0.09	0.94	0.03	0.00696208	1.76E-01	paleturquoise
ENSG00000186918	ZNF395	0.11	1.08	0.04	0.00697179	1.76E-01	brown4
ENSG00000136250	AOAH	-0.14	0.91	0.05	0.0069774	1.76E-01	lightcyan
ENSG00000066427	ATXN3	-0.08	0.95	0.03	0.00701452	1.76E-01	brown
ENSG00000118961	C2orf43	-0.10	0.93	0.04	0.00707222	1.77E-01	brown
ENSG00000135108	FBXO21	0.07	1.05	0.03	0.00708502	1.77E-01	brown
ENSG00000103316	CRYM	-0.13	0.91	0.05	0.00713187	1.78E-01	darkolivegreen
ENSG00000213672	NCKIPSD	0.09	1.06	0.03	0.00714052	1.78E-01	grey60
ENSG00000197324	LRP10	0.14	1.10	0.05	0.0071715	1.78E-01	brown4
ENSG00000127329	PTPRB	-0.11	0.93	0.04	0.00717557	1.78E-01	lightgreen
ENSG00000062096	ARSF	-0.15	0.90	0.06	0.00721609	1.79E-01	salmon4
ENSG00000126010	GRPR	-0.15	0.90	0.06	0.00721666	1.79E-01	thistle2
ENSG00000151789	ZNF385D	-0.12	0.92	0.04	0.00726114	1.79E-01	thistle2
ENSG00000037280	FLT4	-0.15	0.90	0.05	0.00727606	1.79E-01	darkolivegreen
ENSG00000157399	ARSE	-0.13	0.91	0.05	0.00728951	1.79E-01	grey
ENSG00000148516	ZEB1	-0.07	0.95	0.03	0.00729001	1.79E-01	darkgrey
ENSG00000166821	PEX11A	0.11	1.08	0.04	0.00729323	1.79E-01	black
ENSG00000105483	CARD8	-0.12	0.92	0.04	0.00730007	1.79E-01	blue
ENSG00000075223	SEMA3C	-0.14	0.91	0.05	0.00731752	1.79E-01	paleturquoise
ENSG00000071243	ING3	-0.08	0.95	0.03	0.00736029	1.80E-01	brown
ENSG00000165972	CCDC38	0.15	1.11	0.06	0.00739211	1.80E-01	turquoise
ENSG00000135547	HEY2	-0.14	0.91	0.05	0.00739494	1.80E-01	lightgreen
ENSG00000126351	THRA	0.07	1.05	0.03	0.00747748	1.82E-01	darkolivegreen
ENSG00000140443	IGF1R	0.08	1.06	0.03	0.00748751	1.82E-01	yellow
ENSG00000153179	RASSF3	-0.12	0.92	0.05	0.00753554	1.83E-01	brown

ENSG00000162595	DIRAS3	0.14	1.10	0.05	0.00762286	1.84E-01	brown
ENSG00000136205	TNS3	-0.13	0.91	0.05	0.00763082	1.84E-01	salmon4
ENSG00000198732	SMOC1	0.15	1.11	0.06	0.00764348	1.84E-01	blue
ENSG00000156787	TBC1D31	-0.08	0.94	0.03	0.00765592	1.84E-01	paleturquoise
ENSG00000151164	RAD9B	-0.13	0.91	0.05	0.00769997	1.85E-01	blue
ENSG00000196843	ARID5A	0.15	1.11	0.06	0.00770208	1.85E-01	brown4
ENSG00000138604	GLCE	-0.10	0.93	0.04	0.00775332	1.86E-01	brown
ENSG00000083444	PLOD1	0.11	1.08	0.04	0.00779463	1.86E-01	brown4
ENSG00000120820	GLT8D2	-0.10	0.93	0.04	0.00779747	1.86E-01	lightsteelblue1
ENSG00000109046	WSB1	-0.10	0.93	0.04	0.00786987	1.87E-01	blue
ENSG00000163531	NFASC	0.11	1.08	0.04	0.00788069	1.87E-01	blue
ENSG00000115170	ACVR1	-0.09	0.94	0.03	0.00788568	1.87E-01	brown
ENSG00000186081	KRT5	-0.16	0.90	0.06	0.00790178	1.87E-01	darkolivegreen
ENSG00000133216	EPHB2	-0.09	0.94	0.03	0.00790614	1.87E-01	grey60
ENSG00000102595	UGGT2	-0.07	0.95	0.03	0.00790913	1.87E-01	darkgrey
ENSG00000150275	PCDH15	-0.11	0.93	0.04	0.00791685	1.87E-01	paleturquoise
ENSG00000111247	RAD51AP1	-0.12	0.92	0.05	0.00792547	1.87E-01	darkgrey
ENSG00000150938	CRIM1	0.08	1.06	0.03	0.00797796	1.88E-01	brown4
ENSG00000269067	ZNF728	0.15	1.11	0.06	0.00798248	1.88E-01	brown4
ENSG00000185053	SGCZ	-0.11	0.93	0.04	0.00801883	1.88E-01	brown
ENSG00000184260	HIST2H2AC	0.14	1.10	0.05	0.00802312	1.88E-01	black
ENSG00000166887	VPS39	0.06	1.04	0.02	0.00803357	1.88E-01	darkolivegreen
ENSG00000123243	ITIH5	-0.15	0.90	0.06	0.0080343	1.88E-01	lightgreen
ENSG00000122035	RASL11A	-0.15	0.90	0.05	0.00807046	1.88E-01	darkolivegreen
ENSG00000124440	HIF3A	0.15	1.11	0.06	0.00807755	1.88E-01	black
ENSG00000198914	POU3F3	-0.09	0.94	0.03	0.00808053	1.88E-01	paleturquoise
ENSG00000157045	NTAN1	-0.08	0.94	0.03	0.00815256	1.89E-01	brown
ENSG00000120451	SNX19	0.06	1.04	0.02	0.00821642	1.90E-01	blue
ENSG00000147394	ZNF185	0.11	1.08	0.04	0.00822465	1.90E-01	blue
ENSG00000170962	PDGFD	-0.14	0.90	0.05	0.00824689	1.90E-01	thistle2
ENSG00000230797	YY2	0.14	1.10	0.05	0.00825994	1.90E-01	paleturquoise
ENSG00000143603	KCNN3	0.14	1.10	0.05	0.00827072	1.90E-01	black
ENSG00000103460	TOX3	-0.13	0.92	0.05	0.00832075	1.91E-01	thistle2
ENSG00000167676	PLIN4	0.15	1.11	0.06	0.00834727	1.91E-01	brown4
ENSG00000155366	RHOC	0.14	1.10	0.05	0.00835267	1.91E-01	brown4
ENSG00000179361	ARID3B	-0.11	0.92	0.04	0.00835816	1.91E-01	yellow
ENSG00000078237	C12orf5	-0.10	0.93	0.04	0.008359	1.91E-01	brown
ENSG00000174989	FBXW8	-0.08	0.95	0.03	0.00838123	1.91E-01	yellow
ENSG00000172987	HPSE2	-0.15	0.90	0.06	0.00841038	1.91E-01	salmon4
ENSG00000120159	CAAP1	-0.08	0.95	0.03	0.00841363	1.91E-01	darkgrey
ENSG00000262576	PCDHGA4	0.11	1.08	0.04	0.00842448	1.91E-01	brown4
ENSG00000035115	SH3YL1	-0.07	0.95	0.03	0.00848065	1.92E-01	turquoise
ENSG00000071205	ARHGAP10	-0.12	0.92	0.05	0.00853569	1.93E-01	mediumpurple3
ENSG00000244405	ETV5	-0.14	0.91	0.05	0.0085653	1.93E-01	darkslateblue
ENSG00000163116	STPG2	-0.13	0.92	0.05	0.00864464	1.95E-01	paleturquoise
ENSG00000163702	IL17RC	0.11	1.08	0.04	0.00875604	1.97E-01	brown4
ENSG00000171291	ZNF439	-0.07	0.95	0.03	0.00877434	1.97E-01	paleturquoise
ENSG00000140265	ZSCAN29	-0.09	0.94	0.03	0.00879044	1.97E-01	blue
ENSG00000087269	NOP14	0.07	1.05	0.03	0.00879594	1.97E-01	darkolivegreen
ENSG00000136877	FPGS	0.09	1.06	0.03	0.00887958	1.99E-01	darkolivegreen

ENSG00000137285	TUBB2B	0.15	1.11	0.06	0.0089201	1.99E-01	brown4
ENSG00000139899	CBLN3	-0.15	0.90	0.06	0.00895549	2.00E-01	grey
ENSG00000189060	H1FO	0.11	1.08	0.04	0.00904759	2.01E-01	grey60
ENSG00000163788	SNRK	-0.08	0.95	0.03	0.00905232	2.01E-01	brown
ENSG00000100815	TRIP11	-0.08	0.95	0.03	0.00914009	2.03E-01	paleturquoise
ENSG00000187091	PLCD1	0.13	1.09	0.05	0.00914883	2.03E-01	brown4
ENSG00000164691	TAGAP	-0.11	0.93	0.04	0.00925569	2.05E-01	turquoise
ENSG00000117298	ECE1	0.10	1.07	0.04	0.0092937	2.05E-01	brown4
ENSG00000039319	ZFYVE16	-0.11	0.93	0.04	0.00930985	2.05E-01	blue
ENSG00000254726	MEX3A	0.15	1.11	0.06	0.00932791	2.05E-01	brown4
ENSG00000112981	NME5	-0.11	0.93	0.04	0.0093395	2.05E-01	lightsteelblue1
ENSG00000131459	GFPT2	0.12	1.09	0.05	0.00938545	2.06E-01	plum2
ENSG00000172469	MANEA	-0.10	0.93	0.04	0.00942304	2.06E-01	paleturquoise
ENSG00000151892	GFRA1	0.13	1.09	0.05	0.0094268	2.06E-01	black
ENSG00000167384	ZNF180	-0.09	0.94	0.03	0.00942787	2.06E-01	brown
ENSG00000152580	IGSF10	-0.12	0.92	0.05	0.00943042	2.06E-01	mediumpurple3
ENSG00000102287	GABRE	0.15	1.11	0.06	0.00944798	2.06E-01	brown4
ENSG00000167528	ZNF641	-0.08	0.95	0.03	0.00945588	2.06E-01	brown
ENSG00000150551	LYPD1	-0.14	0.91	0.05	0.009483	2.06E-01	salmon4
ENSG00000139679	LPAR6	-0.12	0.92	0.05	0.009507	2.06E-01	lightcyan
ENSG00000130766	SESN2	0.11	1.08	0.04	0.00953718	2.06E-01	yellow
ENSG00000171208	NETO2	-0.11	0.93	0.04	0.00955732	2.06E-01	lightsteelblue1
ENSG00000137731	FXSD2	0.15	1.11	0.06	0.00956555	2.06E-01	yellow
ENSG00000104897	SF3A2	0.11	1.08	0.04	0.0095975	2.06E-01	yellow
ENSG00000181026	AEN	-0.12	0.92	0.05	0.0096039	2.06E-01	brown4
ENSG00000261934	PCDHGA9	0.09	1.07	0.04	0.00961656	2.06E-01	brown4
ENSG00000005007	UPF1	0.08	1.06	0.03	0.00962633	2.06E-01	yellow
ENSG00000139163	ETNK1	0.10	1.07	0.04	0.00963416	2.06E-01	darkgrey
ENSG00000118690	ARMC2	-0.07	0.95	0.03	0.00964576	2.06E-01	yellow
ENSG00000144730	IL17RD	0.13	1.09	0.05	0.0096618	2.06E-01	black
ENSG00000011295	TTC19	0.07	1.05	0.03	0.00969302	2.06E-01	brown
ENSG00000197261	C6orf141	-0.15	0.90	0.06	0.00969422	2.06E-01	mediumpurple3
ENSG00000107077	KDM4C	-0.06	0.96	0.02	0.00969539	2.06E-01	paleturquoise
ENSG00000144452	ABCA12	-0.14	0.91	0.05	0.00971797	2.06E-01	black
ENSG00000198832	SELM	0.11	1.08	0.04	0.00971845	2.06E-01	darkolivegreen
ENSG00000063978	RNF4	0.06	1.04	0.02	0.00975688	2.06E-01	skyblue3
ENSG00000176956	LY6H	0.12	1.08	0.05	0.00976124	2.06E-01	darkolivegreen
ENSG00000189269	C22orf43	-0.15	0.90	0.06	0.00977553	2.06E-01	yellow
ENSG00000235711	ANKRD34C	-0.13	0.92	0.05	0.00977718	2.06E-01	lightsteelblue1
ENSG00000179933	C14orf119	-0.10	0.93	0.04	0.00978207	2.06E-01	brown
ENSG00000113532	ST8SIA4	-0.11	0.93	0.04	0.00978417	2.06E-01	brown
ENSG00000130643	CALY	0.11	1.08	0.04	0.00981415	2.06E-01	darkolivegreen
ENSG00000163900	TMEM41A	0.09	1.06	0.03	0.00982094	2.06E-01	darkgrey
ENSG00000138092	CENPO	-0.08	0.95	0.03	0.00991985	2.08E-01	grey60
ENSG00000167178	ISLR2	0.14	1.10	0.06	0.0099558	2.08E-01	yellow
ENSG00000058668	ATP2B4	0.08	1.06	0.03	0.00996589	2.08E-01	darkorange2
ENSG00000168710	AHCYL1	0.12	1.09	0.05	0.00997302	2.08E-01	black
ENSG00000122085	MTERFD2	-0.06	0.96	0.02	0.00998491	2.08E-01	grey
ENSG00000163377	FAM19A4	-0.14	0.91	0.05	0.00999685	2.08E-01	paleturquoise
ENSG00000159423	ALDH4A1	0.13	1.10	0.05	0.01001237	2.08E-01	black

ENSG00000169744	LDB2	-0.09	0.94	0.03	0.01003171	2.08E-01	lightsteelblue1
ENSG00000152518	ZFP36L2	-0.14	0.91	0.05	0.01004474	2.08E-01	paleturquoise
ENSG00000258484	SPESP1	0.15	1.11	0.06	0.01006303	2.08E-01	navajowhite2
ENSG00000140859	KIFC3	-0.09	0.94	0.03	0.01007607	2.08E-01	darkolivegreen
ENSG00000170011	MYRIP	0.08	1.06	0.03	0.01008406	2.08E-01	saddlebrown
ENSG00000115556	PLCD4	0.13	1.10	0.05	0.01011039	2.08E-01	brown4
ENSG00000144152	FBLN7	-0.15	0.90	0.06	0.01014767	2.09E-01	grey60
ENSG00000075884	ARHGAP15	-0.14	0.91	0.05	0.01019401	2.09E-01	lightcyan
ENSG00000104497	SNX16	-0.10	0.93	0.04	0.01020439	2.09E-01	brown
ENSG00000069493	CLEC2D	-0.12	0.92	0.05	0.01031098	2.11E-01	paleturquoise
ENSG00000134115	CNTN6	-0.13	0.91	0.05	0.01031124	2.11E-01	darkorange2
ENSG00000169223	LMAN2	0.09	1.06	0.03	0.01032501	2.11E-01	darkolivegreen
ENSG00000105607	GCDH	0.10	1.07	0.04	0.01033129	2.11E-01	brown4
ENSG00000152457	DCLRE1C	-0.07	0.95	0.03	0.010353	2.11E-01	paleturquoise
ENSG00000157514	TSC22D3	0.12	1.09	0.05	0.01036153	2.11E-01	brown4
ENSG00000185122	HSF1	0.10	1.07	0.04	0.01044656	2.12E-01	yellow
ENSG00000134602	MST4	-0.13	0.91	0.05	0.01046206	2.12E-01	brown
ENSG00000088826	SMOX	0.12	1.09	0.05	0.01049956	2.13E-01	brown4
ENSG00000058262	SEC61A1	0.09	1.06	0.03	0.01053578	2.13E-01	brown4
ENSG00000142233	NTN5	0.14	1.10	0.06	0.01055072	2.13E-01	yellow
ENSG00000105855	ITGB8	0.13	1.10	0.05	0.01057221	2.13E-01	paleturquoise
ENSG00000164930	FZD6	0.12	1.08	0.05	0.01059811	2.13E-01	brown4
ENSG00000163939	PBRM1	-0.04	0.97	0.02	0.01061449	2.13E-01	paleturquoise
ENSG00000147588	PMP2	-0.14	0.91	0.05	0.01063996	2.14E-01	paleturquoise
ENSG00000166444	ST5	0.08	1.06	0.03	0.01067262	2.14E-01	yellow
ENSG00000152413	HOMER1	-0.11	0.92	0.04	0.01069987	2.14E-01	brown
ENSG00000196872	KIAA1211L	0.10	1.07	0.04	0.01070032	2.14E-01	yellow
ENSG00000179846	NKPD1	0.13	1.09	0.05	0.01082142	2.16E-01	yellow
ENSG00000112715	VEGFA	-0.15	0.90	0.06	0.01082653	2.16E-01	grey
ENSG00000157890	MEGF11	0.10	1.07	0.04	0.01091383	2.17E-01	brown4
ENSG00000206140	TMEM191C	-0.14	0.91	0.05	0.01094089	2.17E-01	grey60
ENSG00000184557	SOCS3	0.11	1.08	0.04	0.01094095	2.17E-01	brown4
ENSG00000184601	C14orf180	0.15	1.11	0.06	0.01096182	2.17E-01	yellow
ENSG00000099998	GGT5	0.15	1.11	0.06	0.01097615	2.17E-01	brown4
ENSG00000154813	DPH3	-0.09	0.94	0.04	0.01097644	2.17E-01	brown
ENSG00000122970	IFT81	-0.07	0.95	0.03	0.01098579	2.17E-01	darkgrey
ENSG00000153012	LGI2	-0.13	0.92	0.05	0.01101418	2.17E-01	thistle2
ENSG00000175471	MCTP1	0.08	1.06	0.03	0.01106783	2.18E-01	brown
ENSG00000139910	NOVA1	-0.07	0.95	0.03	0.01111462	2.19E-01	lightsteelblue1
ENSG00000137509	PRCP	0.10	1.07	0.04	0.01112968	2.19E-01	brown4
ENSG00000099715	PCDH11Y	-0.14	0.91	0.06	0.01124188	2.20E-01	navajowhite2
ENSG00000196369	SRGAP2B	-0.08	0.94	0.03	0.0113085	2.21E-01	blue
ENSG00000159885	ZNF222	-0.10	0.93	0.04	0.0113578	2.22E-01	brown
ENSG00000076242	MLH1	-0.06	0.96	0.02	0.01138662	2.22E-01	paleturquoise
ENSG00000140332	TLE3	0.11	1.08	0.04	0.01139903	2.22E-01	yellow
ENSG00000152492	CCDC50	-0.09	0.94	0.04	0.01139999	2.22E-01	paleturquoise
ENSG00000204161	C10orf128	-0.15	0.90	0.06	0.01141149	2.22E-01	blue
ENSG00000233436	BTBD18	0.11	1.08	0.05	0.01144839	2.22E-01	yellow
ENSG00000138646	HERC5	0.14	1.10	0.06	0.01149426	2.23E-01	palevioletred3
ENSG00000183624	HMCES	0.07	1.05	0.03	0.01152181	2.23E-01	saddlebrown

ENSG00000153391	INO80C	-0.08	0.94	0.03	0.01158889	2.24E-01	yellow
ENSG00000168079	SCARA5	-0.15	0.90	0.06	0.01161566	2.24E-01	lightgreen
ENSG00000153446	C16orf89	0.14	1.11	0.06	0.01163451	2.24E-01	brown4
ENSG00000149292	TTC12	0.13	1.09	0.05	0.01163634	2.24E-01	black
ENSG00000149346	SLX4IP	-0.09	0.94	0.04	0.01164351	2.24E-01	paleturquoise
ENSG00000164600	NEUROD6	-0.14	0.91	0.06	0.01164895	2.24E-01	brown
ENSG00000197776	KLHDC1	-0.08	0.94	0.03	0.01173995	2.25E-01	paleturquoise
ENSG00000150756	FAM173B	-0.09	0.94	0.04	0.01174329	2.25E-01	paleturquoise
ENSG00000128815	WDFY4	-0.14	0.90	0.06	0.0117506	2.25E-01	lightcyan
ENSG00000171885	AQP4	0.15	1.11	0.06	0.01185856	2.27E-01	black
ENSG00000176204	LRRTM4	-0.09	0.94	0.04	0.01187007	2.27E-01	mediumpurple3
ENSG00000148123	LPPR1	-0.14	0.91	0.05	0.01196361	2.28E-01	blue
ENSG00000151715	TMEM45B	-0.13	0.92	0.05	0.01198614	2.28E-01	grey
ENSG00000196867	ZFP28	-0.06	0.96	0.03	0.01202836	2.29E-01	brown
ENSG00000197375	SLC22A5	0.09	1.07	0.04	0.01206882	2.29E-01	yellow
ENSG00000188730	VWC2	-0.12	0.92	0.05	0.01213177	2.30E-01	thistle2
ENSG00000188070	C11orf95	0.08	1.06	0.03	0.0121656	2.30E-01	brown
ENSG00000164591	MYOZ3	-0.12	0.92	0.05	0.01217091	2.30E-01	darkolivegreen
ENSG00000145861	C1QTNF2	-0.12	0.92	0.05	0.01218166	2.30E-01	grey60
ENSG00000198003	CCDC151	-0.13	0.92	0.05	0.01230856	2.32E-01	grey60
ENSG00000159445	THEM4	-0.08	0.95	0.03	0.01236853	2.33E-01	grey
ENSG00000184988	TMEM106A	-0.13	0.91	0.05	0.01237096	2.33E-01	lightcyan
ENSG00000133121	STARD13	0.09	1.06	0.04	0.01239155	2.33E-01	blue
ENSG00000174600	CMKLR1	-0.14	0.91	0.06	0.01240695	2.33E-01	lightcyan
ENSG00000128805	ARHGAP22	-0.13	0.91	0.05	0.01247137	2.34E-01	blue
ENSG00000157916	RER1	0.06	1.04	0.02	0.01248318	2.34E-01	blue
ENSG00000175764	TTL11	-0.09	0.94	0.04	0.012512	2.34E-01	blue
ENSG00000123213	NLN	-0.07	0.95	0.03	0.01254691	2.34E-01	brown
ENSG00000155636	RBM45	-0.07	0.95	0.03	0.01257413	2.34E-01	paleturquoise
ENSG00000183255	PTTG1IP	0.13	1.09	0.05	0.01257466	2.34E-01	brown4
ENSG00000111652	COPS7A	-0.09	0.94	0.03	0.01259253	2.34E-01	darkolivegreen
ENSG00000221986	MYBPHL	0.14	1.10	0.06	0.0126014	2.34E-01	brown4
ENSG00000077235	GTF3C1	0.06	1.04	0.02	0.01261292	2.34E-01	grey60
ENSG00000056736	IL17RB	0.12	1.09	0.05	0.01269121	2.35E-01	black
ENSG00000056972	TRAF3IP2	0.10	1.08	0.04	0.0127003	2.35E-01	brown4
ENSG00000198771	RCSD1	-0.12	0.92	0.05	0.0127521	2.36E-01	lightcyan
ENSG00000232119	MCTS1	-0.08	0.94	0.03	0.01284456	2.37E-01	brown
ENSG00000173198	CYSLTR1	-0.14	0.91	0.06	0.01290041	2.38E-01	lightcyan
ENSG00000101193	GID8	0.05	1.03	0.02	0.01291132	2.38E-01	brown
ENSG00000213903	LTB4R	0.14	1.10	0.05	0.0129489	2.38E-01	yellow
ENSG00000163288	GABRB1	0.08	1.06	0.03	0.01296746	2.38E-01	black
ENSG00000148429	USP6NL	-0.07	0.95	0.03	0.01300541	2.39E-01	paleturquoise
ENSG00000101871	MID1	0.12	1.09	0.05	0.01302206	2.39E-01	black
ENSG00000183722	LHFP	0.11	1.08	0.04	0.01304311	2.39E-01	brown4
ENSG00000170417	TMEM182	-0.12	0.92	0.05	0.01308096	2.39E-01	lightsteelblue1
ENSG00000178573	MAF	-0.11	0.92	0.05	0.01318228	2.40E-01	brown
ENSG00000233932	CTXN2	-0.12	0.92	0.05	0.01318565	2.40E-01	lightsteelblue1
ENSG00000181523	SGSH	0.10	1.08	0.04	0.01326519	2.41E-01	yellow
ENSG00000076555	ACACB	0.13	1.10	0.05	0.01326603	2.41E-01	black
ENSG00000163884	KLF15	0.13	1.10	0.05	0.01329287	2.41E-01	brown4

ENSG00000175344	CHRNA7	-0.13	0.91	0.05	0.01334687	2.42E-01	thistle2
ENSG00000138185	ENTPD1	-0.07	0.95	0.03	0.01337397	2.42E-01	paleturquoise
ENSG00000187079	TEAD1	0.10	1.07	0.04	0.01337623	2.42E-01	black
ENSG00000138074	SLC5A6	-0.12	0.92	0.05	0.01339205	2.42E-01	darkolivegreen
ENSG00000188486	H2AFX	0.10	1.07	0.04	0.01343747	2.43E-01	yellow
ENSG00000182551	ADI1	0.10	1.07	0.04	0.01349617	2.43E-01	black
ENSG00000133878	DUSP26	0.08	1.06	0.03	0.01350653	2.43E-01	darkolivegreen
ENSG00000186591	UBE2H	0.06	1.04	0.02	0.0135286	2.43E-01	brown4
ENSG00000075240	GRAMD4	-0.08	0.95	0.03	0.01354124	2.43E-01	grey60
ENSG00000102878	HSF4	0.11	1.08	0.05	0.01357758	2.44E-01	tan
ENSG00000197372	ZNF675	-0.08	0.95	0.03	0.01365746	2.44E-01	brown
ENSG00000086544	ITPKC	0.13	1.10	0.05	0.01367243	2.44E-01	brown4
ENSG00000185973	TMLHE	-0.08	0.94	0.03	0.01368991	2.44E-01	paleturquoise
ENSG00000149480	MTA2	0.11	1.08	0.05	0.01370395	2.44E-01	brown4
ENSG00000155085	AK9	-0.08	0.95	0.03	0.01371475	2.44E-01	paleturquoise
ENSG00000145700	ANKRD31	-0.12	0.92	0.05	0.01371854	2.44E-01	blue
ENSG00000058335	RASGRF1	-0.11	0.93	0.04	0.01375805	2.45E-01	grey60
ENSG00000166596	WDR16	-0.11	0.93	0.04	0.01387111	2.46E-01	lightsteelblue1
ENSG00000102678	FGF9	-0.09	0.94	0.04	0.01387644	2.46E-01	saddlebrown
ENSG00000181938	GINS3	-0.11	0.92	0.05	0.01391095	2.46E-01	blue
ENSG00000168724	DNAJC21	-0.07	0.95	0.03	0.01392879	2.46E-01	brown
ENSG00000165912	PACSIN3	-0.13	0.91	0.05	0.01399602	2.47E-01	blue
ENSG00000138792	ENPEP	0.14	1.10	0.06	0.01400196	2.47E-01	darkslateblue
ENSG00000188739	RBM34	0.10	1.07	0.04	0.01401802	2.47E-01	yellow
ENSG00000179476	C14orf28	-0.09	0.94	0.04	0.01403361	2.47E-01	paleturquoise
ENSG00000137275	RIPK1	0.09	1.06	0.04	0.01404179	2.47E-01	brown4
ENSG00000188677	PARVB	0.08	1.06	0.03	0.0140672	2.47E-01	darkolivegreen
ENSG00000258839	MC1R	0.13	1.10	0.05	0.01410173	2.47E-01	yellow
ENSG00000143669	LYST	-0.06	0.96	0.02	0.01417656	2.48E-01	lightsteelblue1

ID: Ensembl id of the gene

log2Fold change: log2 value of the fold change calculated using DeSeq2

FC: Fold change

pvalue: P value for the fold change of expression among AD and controls

padj: FDR adjusted pvalue

ModuleColor: The group assigned to each gene on the basis of co-expression by WGCNA