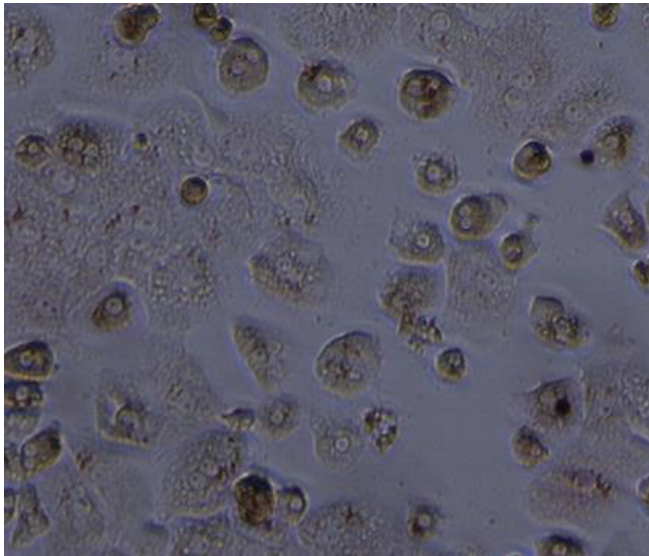


Supplementary Material

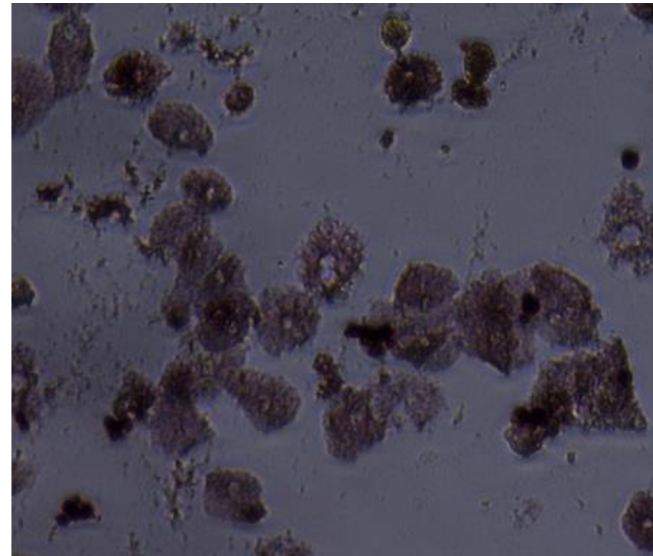
Palmitate and Fructose Interact to Induce Human Hepatocytes to Produce Pro-Fibrotic Transcriptional Responses in Hepatic Stellate Cells Exposed to Conditioned Media

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Control hepatocytes



Palmitate-treated hepatocytes

Fig. S1. Oil Red O Staining of primary hepatocytes treated with BSA or 1mM palmitate.

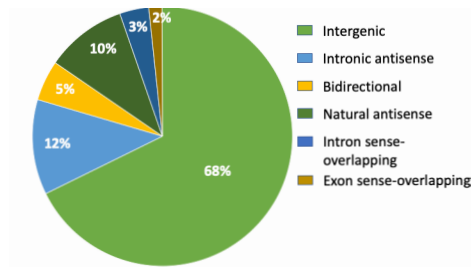


Fig. S2. Distribution of lncRNA classes in dataset.

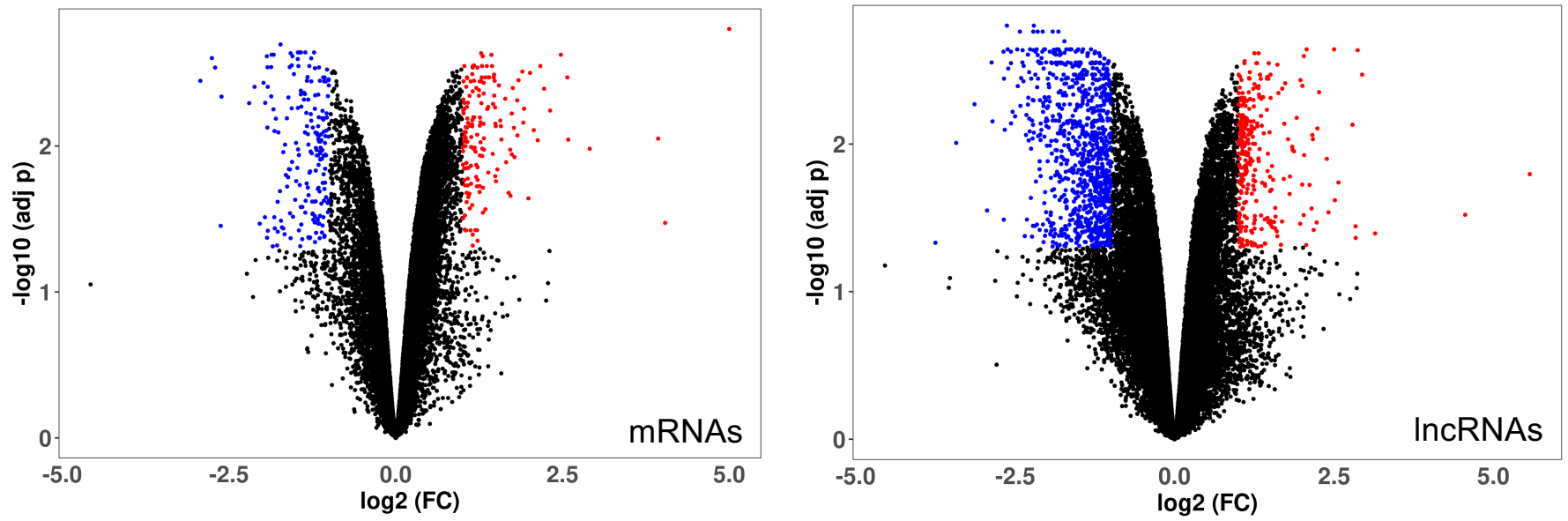


Fig. S3. Volcano plots for mRNAs and lncRNAs in the no cells versus control treatment dataset.

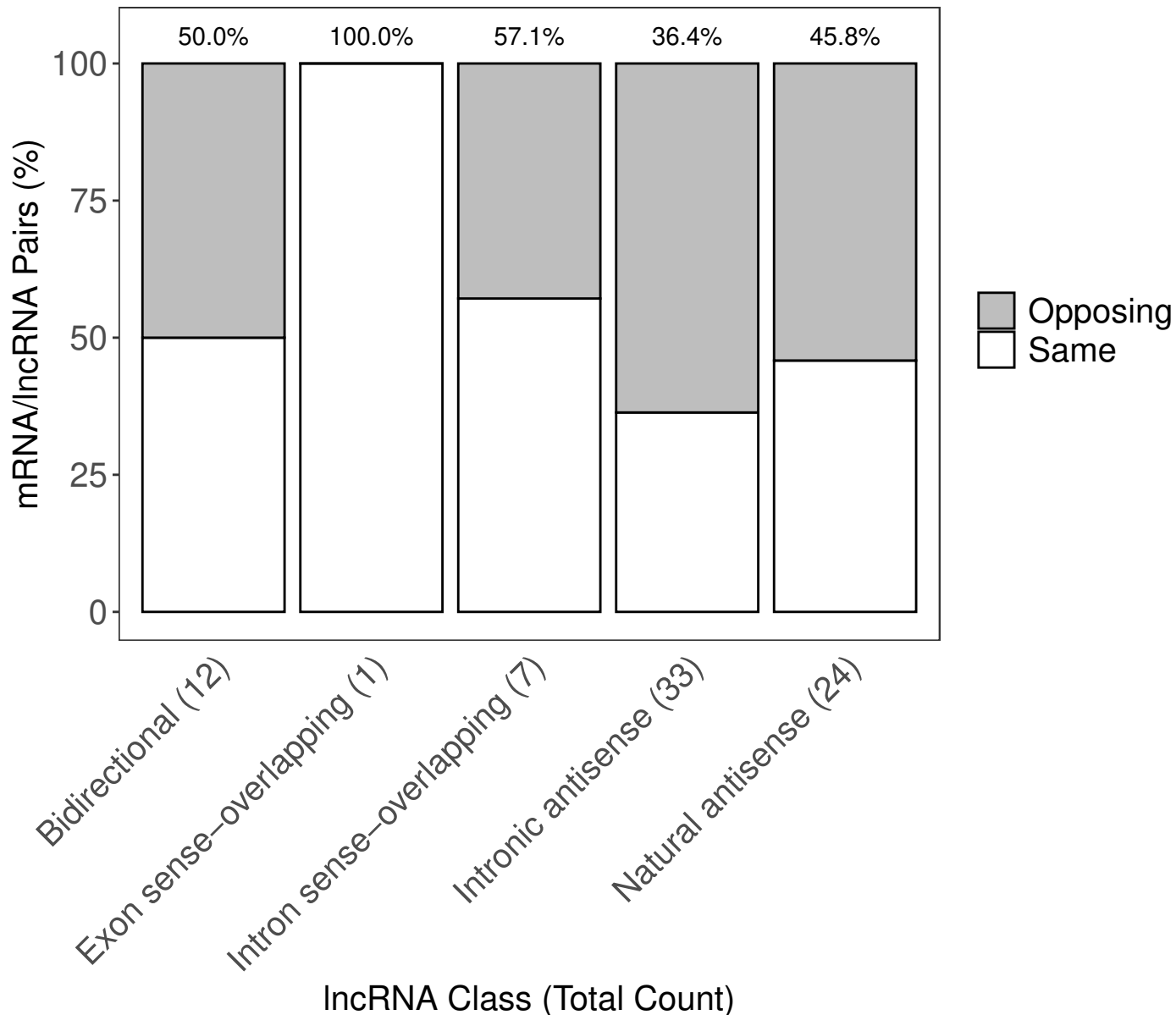


Fig. S4. Barplot of the distribution of the transcriptional relationship in the PF vs CT datasets

S1 Table. Dysregulated mRNAs in LX-2 cells exposed to conditioned media from palmitate-treated hepatocytes

Sequence Name	Gene Symbol	Avg Exp	Log ₂ FC	p-value	FDR
NM_003696	OR6A2	12.28	6.23	1.86E-09	7.29E-06
NM_001012970	C1orf100	9.48	6.10	5.91E-09	7.29E-06
NM_001135995	ATXN3L	11.90	6.01	1.52E-09	7.29E-06
NM_002632	PGF	10.99	5.89	4.92E-09	7.29E-06
NM_001098814	SRL	9.64	5.83	2.34E-09	7.29E-06
NM_000899	KITLG	12.82	5.41	3.46E-09	7.29E-06
uc011dig.1	OFCC1	13.57	5.38	4.80E-09	7.29E-06
NM_173848	RALYL	8.78	5.26	4.82E-09	7.29E-06
NM_001195581	ARL14EPL	9.18	5.19	5.97E-09	7.29E-06
NM_153813	ZFPM1	9.94	5.00	3.42E-09	7.29E-06
NM_178859	SLC51B	10.63	5.62	6.33E-09	7.31E-06
NM_018348	CMTR2	13.14	5.00	6.76E-09	7.47E-06
ENST00000596858	AC093323.1	10.06	5.47	7.31E-09	7.61E-06
NM_002987	CCL17	8.96	5.58	7.92E-09	8.02E-06
NM_001164473	FNBP1L	10.24	3.77	1.45E-08	1.11E-05
NM_153695	ZNF367	11.46	4.92	1.68E-08	1.18E-05
NM_007014	WWP2	10.50	4.15	1.71E-08	1.18E-05
NM_002103	GYS1	12.39	4.82	1.95E-08	1.26E-05
NM_001005168	OR52E8	8.67	5.96	2.02E-08	1.27E-05
ENST00000284481	C8orf12	9.71	5.93	2.43E-08	1.31E-05
NM_001003819	TRIM6-TRIM34	9.61	5.85	2.50E-08	1.31E-05
NM_153607	CREBRF	13.29	4.45	2.31E-08	1.31E-05
NM_004488	GP5	8.94	6.00	3.66E-08	1.64E-05
NM_020828	ZFP28	9.29	3.95	4.59E-08	1.89E-05
NM_007218	RNF139	11.43	2.99	4.94E-08	1.99E-05
NM_016298	FBXO40	10.35	5.78	5.48E-08	2.18E-05
NM_017433	MYO3A	13.10	5.44	6.49E-08	2.51E-05
NM_001005325	OR6M1	7.16	5.02	6.53E-08	2.51E-05
NM_015570	AUTS2	8.61	6.11	8.17E-08	3.01E-05
NM_020733	HEG1	10.23	4.82	9.06E-08	3.30E-05
NM_018214	LRRC1	11.16	2.73	9.08E-08	3.30E-05
NM_207396	RNF207	9.88	4.90	1.13E-07	4.01E-05
NM_005911	MAT2A	14.39	2.71	1.28E-07	4.43E-05
NM_001242901	DPP9-AS1	15.27	4.18	1.46E-07	4.89E-05
NM_004361	CDH7	8.00	4.32	1.75E-07	5.75E-05
NM_024817	THSD4	9.50	3.13	3.04E-07	8.91E-05
NM_001732	BTN1A1	7.24	5.05	3.44E-07	9.90E-05
NM_033210	ZNF502	9.43	4.93	4.66E-07	1.29E-04
NM_031275	TEX12	7.30	3.61	5.02E-07	1.36E-04
NM_001164464	TRIM43B	7.53	2.97	5.06E-07	1.36E-04
NM_032410	HOOK3	12.33	2.96	5.28E-07	1.41E-04
NM_020945	WDFY4	7.58	3.82	5.37E-07	1.43E-04
NM_001085399	RELL1	9.09	2.71	5.44E-07	1.44E-04
NM_002606	PDE9A	10.73	3.34	5.97E-07	1.55E-04
NM_145044	ZNF501	9.38	3.04	6.18E-07	1.59E-04
NM_031279	ETNPPL	10.27	3.46	7.31E-07	1.82E-04
NM_014344	FJX1	10.93	2.30	8.50E-07	2.07E-04
NM_017640	LRRC16A	11.69	2.68	9.89E-07	2.38E-04
NM_001204477	CDRT4	6.85	3.45	9.96E-07	2.39E-04
NM_002150	HPD	7.69	-2.28	1.01E-06	2.41E-04
ENST00000439765	AC006547.14	6.91	3.14	1.03E-06	2.44E-04
NM_022372	MLST8	12.84	1.79	1.05E-06	2.46E-04

NM_001859	SLC31A1	11.87	2.30	1.27E-06	2.84E-04
ENST00000334314	AKR1CL1	5.68	4.60	1.39E-06	3.07E-04
NM_003192	TBCC	9.70	2.44	1.45E-06	3.16E-04
NM_007003	PAGE4	6.77	3.46	1.71E-06	3.59E-04
ENST00000546949	CTD-2368P22.1	7.17	3.39	1.74E-06	3.64E-04
NM_001001850	STX19	5.33	3.12	2.06E-06	4.16E-04
NM_002526	NT5E	11.58	1.75	2.37E-06	4.62E-04
NM_001291807	FAP	7.84	-1.82	2.37E-06	4.62E-04
NM_004825	CDY2A	7.53	3.82	2.54E-06	4.84E-04
NM_024645	ZMAT4	9.42	-2.37	2.76E-06	5.13E-04
NM_001029874	REP15	11.30	2.18	2.80E-06	5.17E-04
NM_032382	COG8	10.43	1.59	3.35E-06	6.07E-04
NM_003106	SOX2	6.47	-1.76	3.42E-06	6.15E-04
NM_006851	GLIPR1	12.55	1.52	4.02E-06	7.12E-04
NM_001159	AOX1	13.82	1.70	4.29E-06	7.47E-04
NM_145265	CCDC127	12.02	1.86	5.02E-06	8.55E-04
ENST00000401499	AC008060.7	6.13	2.86	5.15E-06	8.66E-04
NM_144498	OSBPL2	10.73	2.44	5.22E-06	8.69E-04
NM_024420	PLA2G4A	8.99	-1.66	5.22E-06	8.69E-04
uc004ady.3	AL953854.2-002	5.40	-1.77	5.36E-06	8.85E-04
NM_000589	IL4	6.33	4.17	6.23E-06	1.00E-03
NM_007048	BTN3A1	10.54	3.71	6.22E-06	1.00E-03
NM_002780	PSG4	9.15	-1.37	6.51E-06	1.04E-03
NM_004004	GJB2	7.43	2.83	6.87E-06	1.07E-03
NM_001006121	RBMX1B	10.36	-1.85	7.16E-06	1.10E-03
NM_003107	SOX4	13.52	-1.55	7.46E-06	1.14E-03
NM_001446	FABP7	9.27	-1.68	7.46E-06	1.14E-03
NM_022843	PCDH20	8.07	-2.11	7.60E-06	1.15E-03
NM_001080146	CT47A1	7.12	3.40	8.15E-06	1.21E-03
NM_004176	SREBF1	16.17	-1.25	8.19E-06	1.21E-03
NM_004758	BZRAP1	6.41	3.27	8.51E-06	1.25E-03
NM_004572	PKP2	10.98	-1.31	8.87E-06	1.29E-03
NM_012134	LMOD1	6.79	-1.74	9.19E-06	1.32E-03
NM_001956	EDN2	11.55	-1.55	9.37E-06	1.34E-03
NM_001184825	PSG1	8.13	-1.75	9.36E-06	1.34E-03
ENST00000405369	LL22NC03-75H12.2	7.11	-2.01	9.60E-06	1.36E-03
NM_016279	CDH9	9.71	-1.64	9.77E-06	1.38E-03
NM_138812	DYDC1	4.66	2.12	1.07E-05	1.48E-03
NM_006166	NFYB	15.15	-1.19	1.14E-05	1.56E-03
ENST00000326958	AC026703.1	12.78	-1.80	1.16E-05	1.58E-03
NM_012254	SLC27A5	9.31	-1.30	1.20E-05	1.62E-03
NM_024642	GALNT12	12.22	1.28	1.23E-05	1.64E-03
NM_001247	ENTPD6	12.52	1.22	1.25E-05	1.65E-03
NM_198993	STAC2	9.94	-1.63	1.25E-05	1.65E-03
NM_002380	MATN2	12.20	-1.31	1.27E-05	1.67E-03
NM_001080518	LIPK	3.41	1.34	1.28E-05	1.68E-03
NM_021973	HAND2	12.38	-1.53	1.32E-05	1.72E-03
NM_181501	ITGA1	11.92	-1.18	1.34E-05	1.73E-03
NM_023070	ZFP69B	8.56	1.83	1.38E-05	1.77E-03
NM_001130448	C15orf62	8.92	-1.36	1.40E-05	1.79E-03
NM_054034	FN1	11.33	1.31	1.46E-05	1.85E-03
NM_013261	PPARGC1A	7.19	-1.15	1.57E-05	1.94E-03

NM_139072	DNER	6.17	1.08	1.63E-05	2.00E-03
NM_001003745	OR10A3	5.08	3.26	1.71E-05	2.07E-03
NM_021016	PSG3	7.75	-1.30	1.78E-05	2.14E-03
NM_002837	PTPRB	9.93	-1.18	1.79E-05	2.14E-03
NM_175061	JAZF1	12.80	-1.16	1.80E-05	2.15E-03
NM_002309	LIF	11.06	1.18	1.84E-05	2.19E-03
NM_005402	RALA	14.55	1.15	1.85E-05	2.19E-03
NM_014298	QPRT	7.57	-1.40	1.85E-05	2.19E-03
NM_025059	CCDC170	7.74	1.34	1.89E-05	2.23E-03
NM_080388	S100A16	11.13	1.11	1.97E-05	2.30E-03
NM_001291784	GRIFIN	6.93	1.38	2.00E-05	2.33E-03
NM_020724	RNF150	6.97	-1.53	2.08E-05	2.41E-03
NM_016378	VCX2	4.71	2.74	2.09E-05	2.42E-03
NM_032873	UBASH3B	9.69	1.31	2.13E-05	2.44E-03
NM_001142501	MON1A	9.52	2.20	2.15E-05	2.46E-03
NM_005438	FOSL1	16.37	1.28	2.17E-05	2.46E-03
NM_022064	RNF123	11.18	1.15	2.16E-05	2.46E-03
NM_001277333	ANKRD62	7.55	-1.54	2.19E-05	2.47E-03
NM_003553	OR1E1	5.84	2.29	2.24E-05	2.53E-03
NM_001166034	SBSN	10.20	1.09	2.26E-05	2.54E-03
NM_000800	FGF1	10.18	1.25	2.30E-05	2.57E-03
NM_017643	MBTD1	10.75	-1.09	2.31E-05	2.57E-03
NM_020190	OLFML3	9.08	-1.17	2.33E-05	2.58E-03
NM_001272020	NRXN3	9.85	-1.24	2.36E-05	2.60E-03
NM_022336	EDAR	7.30	1.23	2.42E-05	2.65E-03
NM_001122679	TENM2	8.79	-1.07	2.51E-05	2.72E-03
NM_004540	NCAM2	8.24	-1.64	2.78E-05	2.95E-03
NM_003784	SERPINB7	6.30	1.20	2.93E-05	3.07E-03
NM_003702	RGS20	9.66	1.21	2.97E-05	3.10E-03
NM_001134673	NFIA	8.38	-1.21	2.99E-05	3.10E-03
NM_001008496	PIWIL3	4.42	3.31	3.09E-05	3.18E-03
NM_014220	TM4SF1	14.22	1.21	3.10E-05	3.18E-03
NM_001004354	NRARP	10.34	-1.10	3.11E-05	3.18E-03
NM_003645	SLC27A2	9.60	-1.70	3.12E-05	3.18E-03
NM_020433	JPH2	9.90	-1.26	3.14E-05	3.19E-03
NM_006779	CDC42EP2	9.69	1.53	3.19E-05	3.23E-03
NM_013258	PYCARD	12.77	-1.09	3.24E-05	3.26E-03
NM_001012728	DPRX	8.10	1.68	3.26E-05	3.28E-03
NM_000686	AGTR2	6.17	1.89	3.29E-05	3.28E-03
NM_001204375	NPR3	9.27	-1.31	3.29E-05	3.28E-03
NM_170600	SH2D3C	11.14	-1.40	3.28E-05	3.28E-03
NM_000341	SLC3A1	6.55	-1.47	3.31E-05	3.30E-03
NM_015163	TRIM9	10.82	-1.49	3.33E-05	3.30E-03
NM_000133	F9	4.45	3.03	3.51E-05	3.44E-03
NM_016341	PLCE1	12.05	-1.09	3.51E-05	3.44E-03
NM_005739	RASGRP1	5.71	-1.25	3.51E-05	3.44E-03
NM_003897	IER3	16.50	1.01	3.57E-05	3.49E-03
NM_000609	CXCL12	11.28	-1.81	3.57E-05	3.49E-03
NM_000772	CYP2C18	6.13	2.42	3.59E-05	3.49E-03
NM_000905	NPY	6.36	1.64	3.61E-05	3.49E-03
NM_000849	GSTM3	9.66	-1.14	3.60E-05	3.49E-03
NM_015068	PEG10	11.38	-1.42	3.60E-05	3.49E-03
NM_002784	PSG9	5.75	-1.40	3.76E-05	3.62E-03
NM_000826	GRIA2	6.06	-1.70	3.81E-05	3.65E-03
NM_001145033	C11orf96	13.22	1.04	3.81E-05	3.65E-03

NM_006474	PDPN	8.76	-1.17	3.84E-05	3.66E-03
NM_014031	SLC27A6	6.51	3.04	3.89E-05	3.69E-03
uc001ayv.2	AX747988	13.44	-1.08	4.22E-05	3.93E-03
NM_002782	PSG6	8.32	-1.14	4.23E-05	3.93E-03
ENST00000539533	PCDHB17	5.60	2.98	4.28E-05	3.98E-03
NM_017933	PID1	10.74	1.14	4.36E-05	4.02E-03
NM_015103	PLXND1	13.03	-1.43	4.36E-05	4.02E-03
NM_003500	ACOX2	8.84	1.31	4.52E-05	4.11E-03
NM_018988	GFOD1	7.53	1.16	4.55E-05	4.14E-03
NM_024721	ZFHX4	12.18	-1.07	4.62E-05	4.18E-03
NM_024867	SPEF2	8.21	1.79	4.72E-05	4.23E-03
NM_017954	CADPS2	11.94	-1.01	4.83E-05	4.30E-03
NM_002166	ID2	10.97	-1.09	4.84E-05	4.30E-03
NM_153426	PITX2	12.37	-1.04	4.96E-05	4.39E-03
NM_018558	GABRQ	8.90	-1.11	5.05E-05	4.46E-03
NM_001278599	AXL	10.00	1.16	5.09E-05	4.48E-03
NM_002781	PSG5	7.86	-1.34	5.16E-05	4.54E-03
NM_003275	TMOD1	9.11	-1.14	5.18E-05	4.55E-03
NM_012429	SEC14L2	11.19	1.15	5.30E-05	4.61E-03
NM_175634	RUNX1T1	7.09	-1.28	5.44E-05	4.67E-03
NM_018004	TMEM45A	13.12	-1.10	5.59E-05	4.79E-03
NM_006006	ZBTB16	13.41	-1.17	5.65E-05	4.81E-03
NM_033378	CGB2	7.71	1.22	5.71E-05	4.84E-03
NM_005912	MC4R	9.49	-1.31	5.71E-05	4.84E-03
NM_001438	ESRRG	9.28	-1.37	6.18E-05	5.12E-03
NM_000610	CD44	15.71	1.06	6.20E-05	5.12E-03
NM_002226	JAG2	11.07	-1.05	6.20E-05	5.12E-03
NM_032827	ATOH8	8.48	-1.25	6.25E-05	5.15E-03
NM_016150	ASB2	10.89	-1.11	6.53E-05	5.32E-03
NM_004155	SERPINB9	10.99	-1.01	6.64E-05	5.38E-03
NM_030652	EGFL8	8.71	1.74	6.98E-05	5.59E-03
NM_012338	TSPAN12	9.36	-1.18	6.99E-05	5.59E-03
NM_138455	CTHRC1	6.52	-1.49	7.06E-05	5.63E-03
NM_032043	BRIP1	6.96	-1.05	7.44E-05	5.90E-03
NM_021992	TMSB15A	13.57	-1.13	7.51E-05	5.94E-03
NM_002923	RGS2	10.77	-1.15	7.57E-05	5.96E-03
NM_144594	GTSF1	10.35	1.46	8.54E-05	6.45E-03
NM_005460	SNCAIP	9.69	-1.22	8.56E-05	6.45E-03
NM_001855	COL15A1	6.00	-1.07	8.64E-05	6.50E-03
NM_018018	SLC38A4	8.29	-1.10	9.08E-05	6.70E-03
ENST00000584919	RP11-41O4.1	8.37	1.52	9.51E-05	6.91E-03
NM_006257	PRKCQ	8.31	-1.40	9.61E-05	6.93E-03
NM_012445	SPON2	7.53	-1.22	9.68E-05	6.95E-03
NM_000602	SERPINE1	15.91	1.34	9.73E-05	6.98E-03
NM_001014446	OCIAD2	12.22	-1.00	9.88E-05	7.03E-03
NM_005855	RAMP1	7.35	-1.24	9.87E-05	7.03E-03
NM_004734	DCLK1	11.13	-1.00	1.02E-04	7.16E-03
NM_017938	TMEM255A	13.91	-1.12	1.03E-04	7.25E-03
NM_005711	EDIL3	12.52	-1.33	1.08E-04	7.48E-03
NM_003105	SORL1	8.82	-1.18	1.08E-04	7.49E-03
NM_001201457	TEX14	7.46	-1.10	1.09E-04	7.52E-03
NM_017671	FERMT1	8.40	1.18	1.09E-04	7.54E-03
NM_000090	COL3A1	15.54	-1.17	1.11E-04	7.59E-03
uc010lxs.3	KIAA0146	12.00	-1.05	1.11E-04	7.61E-03
NM_021828	HPSE2	7.65	-1.73	1.12E-04	7.63E-03

NM_001005512	OR4A47	5.75	1.48	1.16E-04	7.81E-03
NM_004172	SLC1A3	6.48	-1.35	1.17E-04	7.82E-03
NM_003629	PIK3R3	7.93	-1.23	1.20E-04	7.97E-03
NM_021916	ZNF70	10.29	1.10	1.22E-04	8.02E-03
NM_001198915	PPFIBP1	11.21	1.10	1.22E-04	8.02E-03
NM_173078	SLITRK4	11.31	-1.18	1.22E-04	8.02E-03
NM_013233	STK39	10.04	-1.20	1.23E-04	8.05E-03
NM_031246	PSG2	6.78	-1.14	1.23E-04	8.07E-03
NM_014033	METTL7A	9.36	-1.17	1.25E-04	8.17E-03
NM_001242815	C2orf91	7.56	-1.57	1.29E-04	8.29E-03
NM_207362	KIAA1211L	8.18	-1.70	1.31E-04	8.37E-03
NM_021229	NTN4	11.19	1.37	1.39E-04	8.74E-03
NM_004956	ETV1	11.95	1.22	1.41E-04	8.82E-03
NM_021013	KRT34	13.61	1.74	1.42E-04	8.84E-03
NM_001165252	KRTAP2-3	10.11	2.02	1.44E-04	8.89E-03
NM_002015	FOXO1	9.79	-1.08	1.45E-04	8.93E-03
NM_005634	SOX3	9.68	-1.41	1.47E-04	9.01E-03
NM_003326	TNFSF4	13.30	1.20	1.49E-04	9.03E-03
NM_014832	TBC1D4	11.64	-1.03	1.50E-04	9.06E-03
NM_001511	CXCL1	9.45	1.39	1.53E-04	9.21E-03
NM_001394	DUSP4	12.27	1.57	1.55E-04	9.27E-03
NM_001025194	CES1	6.47	1.35	1.64E-04	9.67E-03
NM_000774	CYP2F1	7.53	1.26	1.66E-04	9.76E-03
NM_006988	ADAMTS1	13.92	-1.11	1.79E-04	1.02E-02
uc010aip.1	TCRVA15	7.36	1.50	1.80E-04	1.03E-02
NM_022117	TSPYL2	10.27	-1.06	1.82E-04	1.03E-02
NM_014897	ZNF652	14.53	-1.02	1.86E-04	1.05E-02
NM_020133	AGPAT4	13.54	-1.10	1.87E-04	1.05E-02
NM_005556	KRT7	11.28	1.05	1.89E-04	1.06E-02
NM_001010000	ARHGAP28	6.44	-1.03	1.95E-04	1.08E-02
NM_001164442	FAM159B	6.92	-1.19	2.01E-04	1.11E-02
NM_001080457	LRRC4B	10.51	-1.11	2.05E-04	1.12E-02
NM_004121	GGT5	11.99	1.12	2.05E-04	1.12E-02
NM_001122962	SIRPB2	5.93	1.12	2.15E-04	1.15E-02
NM_006158	NEFL	10.74	-1.09	2.22E-04	1.17E-02
NM_031957	KRTAP1-5	8.49	1.52	2.23E-04	1.18E-02
NM_001129826	CSAG3	9.36	-1.32	2.27E-04	1.19E-02
NM_001650	AQP4	4.81	1.56	2.30E-04	1.20E-02
NM_015419	MXRA5	8.84	-1.64	2.31E-04	1.20E-02
NM_173496	MPP7	12.12	-1.05	2.31E-04	1.20E-02
NM_003155	STC1	10.50	1.11	2.36E-04	1.22E-02
NM_000685	AGTR1	8.95	-1.01	2.42E-04	1.24E-02
NM_002031	FRK	7.16	-1.10	2.45E-04	1.25E-02
NM_181847	AMIGO2	11.45	1.36	2.52E-04	1.26E-02
NM_052862	RCSD1	7.98	-1.05	2.53E-04	1.27E-02
NM_023915	GPR87	9.45	-1.00	2.59E-04	1.29E-02
ENST00000593357	AC137056.1	5.11	1.03	2.65E-04	1.31E-02
NM_015256	ACSL6	6.88	1.36	2.73E-04	1.34E-02
NM_001546	ID4	9.85	-1.01	2.87E-04	1.38E-02
NM_001101341	SFTA3	7.17	-2.05	2.91E-04	1.38E-02
NM_001002901	FCRLB	5.92	1.04	2.97E-04	1.40E-02
NM_001085423	MILR1	10.51	1.10	3.00E-04	1.41E-02
NM_022569	NDST4	5.91	-1.50	3.01E-04	1.41E-02
NM_001282275	PRAC2	6.81	-1.28	3.03E-04	1.41E-02
NM_013231	FLRT2	8.62	-1.22	3.04E-04	1.41E-02

NM_030945	C1QTNF3	11.24	-1.03	3.06E-04	1.42E-02
NM_000522	HOXA13	6.22	-1.37	3.12E-04	1.44E-02
NM_014333	CADM1	8.30	-1.35	3.19E-04	1.45E-02
NM_001010868	C6orf163	10.17	-1.03	3.30E-04	1.48E-02
NM_005251	FOXC2	7.91	1.06	3.49E-04	1.54E-02
ENST00000593303	AC135983.2	6.53	1.21	3.52E-04	1.55E-02
NM_001012338	NTRK3	11.66	-1.20	3.53E-04	1.55E-02
NM_020879	CCDC146	10.77	-1.02	3.58E-04	1.57E-02
NM_001145026	PTPRQ	7.53	-1.29	3.68E-04	1.58E-02
ENST00000370287	CSAG1	8.09	-1.40	3.66E-04	1.58E-02
NM_030949	PPP1R14C	6.05	2.33	3.90E-04	1.63E-02
NM_004673	ANGPTL1	7.53	-1.13	4.09E-04	1.68E-02
ENST00000445534	AC112715.2	8.24	-1.03	4.13E-04	1.69E-02
NM_002118	HLA-DMB	9.78	-1.07	4.13E-04	1.69E-02
NM_198215	FAM13C	5.79	-1.20	4.18E-04	1.69E-02
NM_197941	ADAMTS6	9.66	1.21	4.26E-04	1.71E-02
NM_014353	RAB26	8.99	-1.01	4.28E-04	1.71E-02
NM_203487	PCDH9	8.55	-1.17	4.35E-04	1.73E-02
NM_001017435	CT45A3	6.60	-1.74	4.36E-04	1.73E-02
NM_014717	ZNF536	4.39	-1.10	4.40E-04	1.74E-02
NM_001112706	SCIN	5.05	-1.31	4.41E-04	1.74E-02
NM_001673	ASNS	16.47	1.41	4.43E-04	1.74E-02
NM_001878	CRABP2	8.35	-1.26	4.44E-04	1.75E-02
NM_003810	TNFSF10	6.65	1.84	4.48E-04	1.76E-02
NM_001100159	C7orf57	6.13	-1.05	4.57E-04	1.77E-02
NM_018286	TMEM100	7.46	-1.24	4.57E-04	1.77E-02
NM_030956	TLR10	3.52	1.18	4.60E-04	1.78E-02
NM_006671	SLC1A7	8.70	-1.58	4.74E-04	1.82E-02
NM_001297550	APELA	4.63	-1.08	4.85E-04	1.85E-02
NM_007023	RAPGEF4	5.98	-1.27	5.02E-04	1.90E-02
NM_001532	SLC29A2	12.63	-1.26	5.04E-04	1.90E-02
NM_019035	PCDH18	10.79	-1.10	5.06E-04	1.90E-02
NM_030641	APOL6	8.49	1.07	5.11E-04	1.91E-02
NM_032539	SLITRK2	6.51	-1.17	5.18E-04	1.92E-02
NM_032578	MYPN	6.66	-1.06	5.19E-04	1.93E-02
NM_022073	EGLN3	6.31	-1.06	5.22E-04	1.93E-02
NM_014979	SV2C	5.78	1.02	5.22E-04	1.93E-02
NM_000929	PLA2G5	7.05	-1.10	5.47E-04	1.99E-02
NM_004429	EFNB1	7.49	1.09	5.59E-04	2.01E-02
NM_019845	RPRM	6.98	-1.17	5.64E-04	2.02E-02
NM_017429	BCO1	4.45	-1.00	5.72E-04	2.04E-02
NM_144647	CAPSL	6.12	-1.21	5.75E-04	2.05E-02
ENST00000374258	AL591684.1	8.04	-1.01	5.81E-04	2.05E-02
NM_018937	PCDHB3	6.61	-1.19	5.90E-04	2.06E-02
NM_003714	STC2	15.09	1.31	6.12E-04	2.10E-02
NM_173683	XKR6	9.14	-1.01	6.14E-04	2.11E-02
NM_015444	TMEM158	11.03	1.25	6.21E-04	2.12E-02
NM_002009	FGF7	4.43	-1.27	6.38E-04	2.16E-02
NM_000204	CFI	7.78	-1.02	6.46E-04	2.18E-02
ENST00000439873	AL354993.1	5.11	-1.28	6.52E-04	2.19E-02
ENST00000265843	EXPH5	11.29	-1.08	6.57E-04	2.20E-02
NM_175873	SOWAHA	6.38	-1.09	6.72E-04	2.23E-02
NM_000223	KRT12	4.26	1.27	6.82E-04	2.25E-02
NM_001278587	LOC100134391	4.56	1.09	6.84E-04	2.26E-02
NM_014258	SYCP2	7.83	-1.16	6.85E-04	2.26E-02

NM_005746	NAMPT	13.69	1.04	6.94E-04	2.28E-02
NM_004104	FASN	14.39	-1.04	7.05E-04	2.29E-02
NM_006727	CDH10	9.30	-1.61	7.18E-04	2.32E-02
NM_001300995	NOX4	3.98	1.04	7.54E-04	2.39E-02
NM_000770	CYP2C8	7.37	-1.32	7.61E-04	2.40E-02
NM_020348	CNNM1	9.12	1.31	7.89E-04	2.44E-02
NM_080284	ABCA6	11.99	1.03	7.92E-04	2.45E-02
NM_153259	MCOLN2	5.44	-1.01	8.38E-04	2.53E-02
NM_003680	YARS	15.78	1.16	8.81E-04	2.60E-02
NM_001426	EN1	5.71	-1.08	8.96E-04	2.62E-02
NM_002160	TNC	12.94	-1.08	9.03E-04	2.63E-02
NM_144577	CCDC114	8.47	-1.01	9.96E-04	2.79E-02
NM_015541	LRIG1	8.59	1.00	9.97E-04	2.79E-02
NM_024114	TRIM48	6.42	1.55	1.07E-03	2.91E-02
NM_005194	CEBPB	8.80	1.01	1.10E-03	2.96E-02
NM_032229	SLITRK6	7.14	-1.01	1.12E-03	2.98E-02
NM_025220	ADAM33	6.84	-1.21	1.14E-03	3.02E-02
uc021sfx.1	LOC283685	6.46	1.57	1.18E-03	3.08E-02
NM_022904	RASAL3	5.70	1.45	1.19E-03	3.09E-02
NM_001024630	RUNX2	10.50	-2.22	1.19E-03	3.10E-02
NM_020116	FSTL5	6.92	-1.23	1.20E-03	3.11E-02
NM_012342	BAMBI	8.87	-1.00	1.27E-03	3.20E-02
NM_017508	SOX6	4.81	-1.27	1.27E-03	3.20E-02
NM_020685	C3orf14	8.33	-1.22	1.28E-03	3.21E-02
NM_001548	IFIT1	12.33	-1.07	1.31E-03	3.26E-02
NM_003317	NKX2-1	8.00	-1.06	1.32E-03	3.27E-02
NM_001338	CXADR	6.90	-1.12	1.33E-03	3.28E-02
NM_145234	CHRDL1	9.04	-1.05	1.44E-03	3.44E-02
NM_005279	GPR1	9.11	1.22	1.45E-03	3.44E-02
NM_006513	SARS	15.39	1.02	1.45E-03	3.45E-02
uc031qno.1	FLJ41484	8.99	-1.31	1.53E-03	3.57E-02
NM_032918	RERG	6.40	-1.03	1.57E-03	3.61E-02
NM_001083111	GNRH1	11.65	-1.07	1.59E-03	3.65E-02
NM_005596	NFIB	8.77	-1.70	1.61E-03	3.68E-02
NM_001029860	FBXO43	9.03	-1.17	1.62E-03	3.68E-02
NM_001242318	PDE7A	7.96	-1.01	1.71E-03	3.78E-02
NM_001286819	LETM2	8.80	1.03	1.75E-03	3.83E-02
NM_144618	GABPB2	8.09	1.25	1.85E-03	3.96E-02
NM_000227	LAMA3	10.74	-1.22	1.89E-03	4.02E-02
NM_080610	CST9L	4.83	-1.01	2.04E-03	4.19E-02
NM_001093729	CCDC102B	7.06	-1.04	2.05E-03	4.19E-02
NM_000599	IGFBP5	6.51	-1.09	2.08E-03	4.23E-02
NM_182756	SPDYA	7.83	-1.22	2.28E-03	4.47E-02
NM_002394	SLC3A2	13.91	1.25	2.30E-03	4.49E-02
NM_006439	MAB21L2	11.23	-1.10	2.33E-03	4.51E-02
NM_025236	RNF39	5.36	1.07	2.39E-03	4.58E-02
NM_000115	EDNRB	7.43	-1.01	2.48E-03	4.68E-02
NM_198853	TRIM74	10.95	-1.21	2.56E-03	4.77E-02
NM_001291556	PCK2	13.87	1.50	2.66E-03	4.87E-02
NM_153444	OR5P2	6.30	2.12	2.72E-03	4.95E-02

S2 Table. Dysregulated lncRNAs in LX-2 cells exposed to conditioned media from palmitate-treated hepatocytes

Sequence Name	Gene Symbol	Assoc Gene	Avg Exp	Log ₂ FC	p-value	FDR
T173832	G040382		11.06	6.67	3.23E-09	7.29E-06
NR_105039	LOC101927488		10.78	6.61	4.97E-09	7.29E-06
T314169	G073685		11.67	6.46	1.76E-09	7.29E-06
ENST00000580967	RP11-527H14.2		11.62	6.46	1.74E-09	7.29E-06
ENST00000597156	CTD-3193O13.11	CTD-3193O13.9	10.91	6.30	6.06E-09	7.29E-06
NR_125419	LOC101927543	SNTB1	11.84	6.24	1.38E-09	7.29E-06
TCONS_00018312	XLOC_008586		12.30	6.22	3.34E-09	7.29E-06
TCONS_00014675	XLOC_006774		13.05	6.16	1.18E-09	7.29E-06
ENST00000416861	AC009502.4		12.56	6.07	5.91E-09	7.29E-06
TCONS_I2_00017992	XLOC_I2_009508		11.70	6.05	4.38E-09	7.29E-06
T119684	G028271	SCAMP5	11.35	5.90	5.14E-09	7.29E-06
ENST00000566418	RP11-686F15.2		11.19	5.87	2.29E-09	7.29E-06
T271295	G062886		9.73	5.87	1.72E-09	7.29E-06
ENST00000423020	RP5-963E22.4		11.49	5.87	2.44E-09	7.29E-06
TCONS_00014959	XLOC_007038		10.93	5.80	1.96E-09	7.29E-06
T372494	G087836		11.07	5.78	2.52E-09	7.29E-06
TCONS_00000947	XLOC_000202		11.67	5.75	4.09E-09	7.29E-06
NR_002165	HMGB3P1		10.29	5.75	5.12E-09	7.29E-06
T085588	G019854		9.31	5.74	2.45E-09	7.29E-06
ENST00000531886	RP11-110I1.6	HYOU1	10.71	5.68	3.59E-09	7.29E-06
T343400	G080682		12.81	5.61	5.36E-09	7.29E-06
T108295	G025594		8.75	5.58	4.22E-09	7.29E-06
T039096	G008944		10.88	5.52	2.73E-09	7.29E-06
T149935	G034745	SNF8	11.63	5.49	4.10E-09	7.29E-06
T169470	G039345	ADGRL1	14.14	5.44	5.39E-09	7.29E-06
uc.243+	uc.243	ZFHX4	12.65	5.39	5.09E-09	7.29E-06
NR_033370	LOC63930		9.59	5.37	5.14E-09	7.29E-06
TCONS_00014706	XLOC_006804		9.74	5.36	4.36E-09	7.29E-06
TCONS_00012332	XLOC_005877		10.08	5.30	3.81E-09	7.29E-06
T350637	G082777		9.18	5.11	2.93E-09	7.29E-06
NR_015453	NOP14-AS1	NOP14	11.19	5.02	3.24E-09	7.29E-06
uc004bsl.1	AK057719	ENG	11.16	4.95	4.41E-09	7.29E-06
T253780	G058468		9.20	4.85	6.01E-09	7.29E-06
T373218	G088055		10.44	5.48	6.35E-09	7.31E-06
ENST00000579499	CTB-58E17.9	MLLT6	12.19	6.08	6.52E-09	7.35E-06
T248785	G057185		9.16	6.29	7.08E-09	7.52E-06
ENST00000515111	AC004054.1	CCSER1	8.81	5.53	6.95E-09	7.52E-06
T245034	G056203		10.16	4.77	8.00E-09	8.02E-06
T341620	G080206		11.63	5.79	8.20E-09	8.07E-06
T266645	G061674		10.73	6.65	1.00E-08	9.36E-06
ENST00000431001	RP11-439H9.1		12.83	6.25	1.00E-08	9.36E-06
ENST00000464125	RP11-475O23.3	FAM107A	13.51	5.62	1.02E-08	9.36E-06
TCONS_00012340	XLOC_005890		9.13	5.04	1.04E-08	9.36E-06
TCONS_00004668	XLOC_001314		9.71	4.36	1.12E-08	9.94E-06
ENST00000432694	RP1-15D23.2	TNFSF18	10.74	5.61	1.15E-08	1.01E-05
T281347	G065435		8.88	6.38	1.24E-08	1.03E-05
NR_104064	SMIM2-AS1	SMIM2	8.03	4.84	1.24E-08	1.03E-05
ENST00000420776	RP11-442N24_B.1	TAF12	9.77	4.72	1.22E-08	1.03E-05
uc003tjg.1	AX747182	SPDYE1	10.59	4.05	1.25E-08	1.03E-05
ENST00000563287	RP11-10O17.1		12.65	5.92	1.28E-08	1.04E-05
ENST00000527239	CTD-2589M5.4		14.08	5.02	1.34E-08	1.07E-05
uc001oou.3	BC064339	TPCN2	13.04	6.02	1.39E-08	1.09E-05
uc.132-	uc.132	RSRC1	8.88	4.72	1.44E-08	1.11E-05
T291864	G068229	LARP1	9.58	5.98	1.55E-08	1.16E-05
T079442	G018366		11.22	6.42	1.69E-08	1.18E-05
T102806	G024217		11.46	6.30	1.65E-08	1.18E-05

TCONS_00022561	XLOC_010880		8.91	5.26	1.66E-08	1.18E-05
TCONS_00019584	XLOC_009382		14.39	5.24	1.60E-08	1.18E-05
ENST00000478468	RP11-521D12.1		11.25	4.39	1.72E-08	1.18E-05
ENST00000411554	LL22NC03-23C6.13		7.82	4.50	1.77E-08	1.20E-05
T036055	G008215		9.02	6.59	1.79E-08	1.20E-05
ENST00000592638	RP11-456K23.1	SETBP1	9.67	6.19	1.84E-08	1.21E-05
GSE61474_TCONS_00016190	GSE61474_XLOC_003076		8.58	5.62	1.85E-08	1.21E-05
uc.473-	uc.473	NLGN3	9.01	5.45	1.98E-08	1.26E-05
NR_104609	HNCAT21		11.32	6.49	2.45E-08	1.31E-05
ENST00000523748	RP11-473J6.1		8.57	6.00	2.20E-08	1.31E-05
T262569	G060409		9.07	5.76	2.13E-08	1.31E-05
T370754	G087427		10.12	5.64	2.21E-08	1.31E-05
T007174	G001532		9.37	5.59	2.37E-08	1.31E-05
ENST00000607336	RP11-445F12.2	LHX1	9.88	5.54	2.29E-08	1.31E-05
T161198	G037238		13.91	5.53	2.12E-08	1.31E-05
TCONS_00022882	XLOC_011136		9.69	5.52	2.32E-08	1.31E-05
T042208	G009674		14.59	5.10	2.51E-08	1.31E-05
ENST00000445280	RP11-165J3.6		14.74	4.89	2.32E-08	1.31E-05
ENST00000559251	RP11-16B9.1		8.82	4.74	2.45E-08	1.31E-05
ENST00000507681	CTC-573N18.1		9.38	4.68	2.26E-08	1.31E-05
NR_037860	EGFL8	PPT2	9.98	4.65	2.49E-08	1.31E-05
ENST00000523083	RP11-893F2.13		8.64	4.47	2.47E-08	1.31E-05
T210081	G048607		7.31	4.21	2.37E-08	1.31E-05
ENST00000413504	AC011718.3		7.94	4.91	2.53E-08	1.31E-05
NR_109777	LOC100506281		7.47	4.86	2.56E-08	1.31E-05
T357032	G084241		11.61	6.40	2.59E-08	1.31E-05
T198560	G045831	ERCC3	14.46	4.96	2.70E-08	1.35E-05
TCONS_00012134	XLOC_005664		9.34	4.75	2.75E-08	1.37E-05
ENST00000432250	RP11-134J21.1		8.69	4.51	2.81E-08	1.38E-05
ENST00000505454	RP13-884E18.2		7.37	4.97	2.93E-08	1.43E-05
T114386	G027007		10.01	5.56	2.99E-08	1.44E-05
GSE61474_TCONS_00336607	GSE61474_XLOC_065355		9.13	5.10	3.05E-08	1.45E-05
TCONS_00021009	XLOC_010271		9.63	3.93	3.16E-08	1.49E-05
NR_073155	C1orf145	OBSCN	7.26	3.98	3.45E-08	1.58E-05
ENST00000457890	AC063976.3		8.82	5.24	3.56E-08	1.62E-05
NR_024330	SPACA6P		13.51	5.45	3.63E-08	1.64E-05
T280062	G065072		14.04	5.08	3.77E-08	1.67E-05
ENST00000459855	RP11-190P13.2		8.36	5.84	3.91E-08	1.72E-05
ENST00000518465	RP11-122L4.1		9.05	5.07	3.98E-08	1.72E-05
T102724	G024184		9.40	4.89	3.96E-08	1.72E-05
ENST00000568112	RP11-565N2.1		10.03	5.64	4.30E-08	1.83E-05
ENST00000562167	AC011525.2	THEG5	8.97	5.18	4.29E-08	1.83E-05
T292482	G068411		8.39	5.77	4.40E-08	1.86E-05
ENST00000458489	RP11-190J1.3		9.82	5.57	4.45E-08	1.87E-05
T112314	G026517		8.95	4.97	4.59E-08	1.89E-05
ENST00000436328	ISPD-AS1	ISPD	9.55	5.09	4.90E-08	1.99E-05
T281071	G065368		8.67	5.14	5.15E-08	2.07E-05
T318565	G074601		8.14	5.70	5.69E-08	2.25E-05
TCONS_00012017	XLOC_005541		8.60	5.49	5.88E-08	2.31E-05
ENST00000510512	CTD-3007L5.1		7.80	5.37	5.92E-08	2.31E-05
T245007	G056187		9.29	2.97	6.82E-08	2.60E-05
ENST00000419658	RP4-601K24.1		9.45	6.02	7.13E-08	2.69E-05
ENST00000606512	RP11-26J3.3	MRPS28	8.48	4.18	7.15E-08	2.69E-05
T172251	G040014		8.26	5.29	7.64E-08	2.85E-05
ENST00000436953	RP11-475C16.2	AL590867.1	9.66	4.54	7.67E-08	2.85E-05
uc002vnc.3	LOC440934		9.81	4.33	9.60E-08	3.46E-05
T356100	G083970		7.78	5.86	9.72E-08	3.49E-05
NR_046991	LINC00353		7.80	5.62	1.09E-07	3.89E-05

TCONS_00026483	XLOC_012810		8.76	4.07	1.16E-07	4.07E-05
ENST00000602862	RP11-118F19.1		10.28	3.87	1.21E-07	4.20E-05
T152692	G035390		7.09	5.91	1.31E-07	4.46E-05
TCONS_00028327	XLOC_013670		8.62	5.18	1.31E-07	4.46E-05
T379563	G089863		15.03	4.33	1.38E-07	4.67E-05
T163835	G038006		8.21	5.37	1.43E-07	4.80E-05
T336789	G078986		8.71	3.85	1.81E-07	5.91E-05
NR_125365	LOC401585		9.19	3.19	1.85E-07	6.01E-05
ENST00000442627	AC118653.2		9.08	5.36	2.16E-07	6.88E-05
TCONS_00004576	XLOC_002486		7.74	5.10	2.22E-07	7.01E-05
ENST00000505276	RP5-1063M23.1		7.63	4.03	2.46E-07	7.71E-05
T317650	G074381		7.23	4.46	2.55E-07	7.88E-05
NR_110838	LOC101927087		15.35	4.15	2.67E-07	8.13E-05
T177897	G041118		7.66	2.57	2.67E-07	8.13E-05
T256902	G059221		14.71	4.40	2.75E-07	8.32E-05
ENST00000394517	RP11-465B22.3		7.40	3.62	2.79E-07	8.36E-05
NR_002766	MEG3	AL117190.2	9.50	2.85	3.03E-07	8.91E-05
NR_109862	BRCAT54	MRPS30	10.46	2.79	3.18E-07	9.25E-05
T371804	G087666	GRPR	9.65	2.88	3.48E-07	9.98E-05
ENST00000597337	AC006262.10	IGFL1	16.27	3.01	3.69E-07	1.05E-04
T304787	G071083	PTCHD4	6.97	2.80	4.00E-07	1.12E-04
NR_121638	LOC100996583		5.96	2.99	4.47E-07	1.24E-04
T047336	G011013		8.51	4.13	4.82E-07	1.32E-04
NR_104113	LINC00618		10.83	2.12	4.93E-07	1.35E-04
ENST00000427584	RP11-60A8.1		6.85	3.55	5.05E-07	1.36E-04
NR_023361	AP3S2	AP3S2	8.37	3.45	5.62E-07	1.48E-04
T365656	G086447		6.79	3.85	5.69E-07	1.50E-04
TCONS_00025298	XLOC_012102		6.54	4.50	5.83E-07	1.52E-04
ENST00000571611	AC003009.1		6.69	3.74	5.90E-07	1.54E-04
T034394	G007816		4.50	2.67	6.53E-07	1.67E-04
NR_110072	LOC101928002	RAB3IP	6.45	4.63	6.58E-07	1.68E-04
TCONS_00015685	XLOC_007378		7.57	5.22	7.07E-07	1.78E-04
TCONS_00026905	XLOC_012978		7.74	3.85	7.28E-07	1.82E-04
ENST00000563772	RP11-558A11.1		6.53	3.13	7.77E-07	1.92E-04
TCONS_00019680	XLOC_009480		8.64	5.44	8.71E-07	2.11E-04
T273150	G063431		8.67	3.90	8.74E-07	2.11E-04
ENST00000428188	AC007271.3	IL1R1	14.92	4.17	1.04E-06	2.46E-04
ENST00000593382	RP11-432J9.5	SGPL1	7.67	4.33	1.05E-06	2.46E-04
T270763	G062757		9.00	5.48	1.10E-06	2.55E-04
TCONS_00016120	XLOC_007507		8.06	4.12	1.11E-06	2.56E-04
T181556	G041767		15.24	3.82	1.12E-06	2.58E-04
TCONS_00011877	XLOC_005368		6.55	3.77	1.16E-06	2.65E-04
ENST00000579603	RP11-434D2.11		7.72	3.47	1.18E-06	2.68E-04
ENST00000565401	RP11-161M6.3		5.44	4.22	1.21E-06	2.73E-04
T333565	G078212		7.16	4.75	1.29E-06	2.86E-04
NR_131986	KCCAT198		6.84	4.77	1.38E-06	3.05E-04
T372964	G087979		5.57	2.04	1.40E-06	3.07E-04
T103557	G024426		7.61	4.38	1.56E-06	3.37E-04
T380669	G090187		15.33	3.76	1.56E-06	3.37E-04
T169067	G039267	DNASE2	8.04	3.84	1.78E-06	3.70E-04
ENST00000513393	RP11-145G20.1		7.71	4.57	1.85E-06	3.80E-04
T298516	G069782		7.26	3.65	1.88E-06	3.85E-04
T285142	G066515		8.53	4.60	1.97E-06	4.00E-04
NR_104192	MIR381HG		6.12	2.02	2.16E-06	4.33E-04
GSE61474_TCONS_00314610	GSE61474_XLOC_060257		6.78	4.64	2.21E-06	4.42E-04
NR_003679	HAND2-AS1	HAND2	9.90	-2.04	2.32E-06	4.57E-04
T185424	G042567		8.47	-1.63	2.39E-06	4.63E-04
ENST00000606885	AP002856.5		6.12	3.70	2.46E-06	4.74E-04
TCONS_00026274	XLOC_012622		6.96	4.87	2.49E-06	4.79E-04
ENST00000440518	RP11-445F6.2	TXLNB	6.62	2.91	2.51E-06	4.80E-04

T272997	G063395		6.62	4.54	2.55E-06	4.84E-04
TCONS_00012365	XLOC_005930		7.54	3.35	2.68E-06	5.08E-04
T201653	G046591		5.59	3.73	2.71E-06	5.09E-04
T292931	G068549		5.69	2.65	2.72E-06	5.09E-04
T018008	G004044		7.57	2.58	2.72E-06	5.09E-04
T293529	G068712		6.66	4.20	2.80E-06	5.17E-04
T366813	G086722	STXBP1	8.20	4.08	2.81E-06	5.17E-04
ENST00000473756	LINC00973		12.27	1.85	2.99E-06	5.48E-04
NR_027094	SYT14P1	TMPRSS11F	6.99	3.91	3.03E-06	5.55E-04
T004607	G000888		6.52	2.95	3.07E-06	5.59E-04
NR_110785	DSCAS	DSC2	7.65	4.37	3.25E-06	5.90E-04
uc.178-	uc.178	RANBP17	6.73	2.02	3.37E-06	6.08E-04
NR_034119	LINC00460		10.44	1.40	3.59E-06	6.44E-04
uc.447+	uc.447	ZNF536	6.31	3.95	3.91E-06	6.97E-04
ENST00000605281	RP3-483K16.4	ELOVL5	6.41	-1.51	4.03E-06	7.12E-04
T185147	G042505		5.86	4.80	4.29E-06	7.47E-04
T164644	G038250		6.77	4.08	4.55E-06	7.90E-04
ENST00000595563	CTB-191K22.5	MYH14	7.32	2.96	4.69E-06	8.09E-04
ENST00000550319	RP11-474P2.2	SLC38A2	8.32	2.28	5.05E-06	8.56E-04
NR_120374	CERS3-AS1	CERS3	4.70	1.84	5.46E-06	8.95E-04
T224144	G051748		6.62	-2.11	6.01E-06	9.77E-04
T158580	G036567		6.64	2.46	6.16E-06	9.98E-04
uc.360+	uc.360	NOVA1	6.98	3.32	6.55E-06	1.04E-03
T003469	G000684		5.87	2.50	6.65E-06	1.05E-03
T039527	G009065	EPC1	6.76	1.70	6.72E-06	1.06E-03
ENST00000542577	RP11-3L23.2		6.45	2.13	6.83E-06	1.07E-03
uc.3-	uc.3	CASZ1	7.79	-1.25	7.39E-06	1.13E-03
T244856	G056140		7.60	2.24	7.61E-06	1.15E-03
ENST00000575085	RP13-638C3.3	FOXK2	8.17	3.27	8.05E-06	1.21E-03
T138941	G032458	SPIRE2	5.79	3.62	8.11E-06	1.21E-03
T355880	G083911		5.74	3.17	8.20E-06	1.21E-03
T210926	G048817		5.28	3.01	8.36E-06	1.23E-03
ENST00000436804	XXbac-BPG13B8.10		6.51	3.25	8.42E-06	1.24E-03
ENST00000434196	MLIP-AS1	MLIP	5.65	3.78	8.56E-06	1.25E-03
NR_126334	LOC101927932	GNAS	7.77	3.76	9.10E-06	1.31E-03
T317532	G074350		5.64	2.04	9.08E-06	1.31E-03
ENST00000541391	RP11-221N13.3		8.11	1.45	9.38E-06	1.34E-03
T361959	G085501		5.62	2.04	9.62E-06	1.36E-03
T158543	G036558		9.00	-2.47	9.74E-06	1.38E-03
T378958	G089675		7.81	2.68	9.82E-06	1.38E-03
T153991	G035679	CD300A	5.82	2.21	9.84E-06	1.38E-03
T016395	G003634		6.55	-1.30	9.92E-06	1.38E-03
T102768	G024210	BAZ1A	6.54	4.16	1.04E-05	1.45E-03
TCONS_00027001	XLOC_013049		6.10	3.48	1.07E-05	1.49E-03
T012784	G002743		6.22	4.31	1.09E-05	1.51E-03
T185529	G042588		5.61	2.30	1.10E-05	1.52E-03
T197639	G045579	INSIG2	6.41	2.30	1.13E-05	1.56E-03
ENST00000444130	AP000705.7		5.24	-1.52	1.16E-05	1.58E-03
T232600	G053509	SYN3	6.47	3.99	1.19E-05	1.62E-03
NR_024065	LINC00312		7.51	-1.40	1.22E-05	1.63E-03
ENST00000455973	RP11-359N11.1		5.30	2.12	1.24E-05	1.64E-03
T320359	G075045	NFE2L3	7.40	3.19	1.31E-05	1.71E-03
T255688	G058919		8.50	3.15	1.32E-05	1.72E-03
uc.309+	uc.309	BTRC	5.16	2.30	1.33E-05	1.72E-03
T340034	G079769		4.39	1.36	1.34E-05	1.73E-03
uc002zpq.1	U84523	UFD1L	6.96	2.18	1.34E-05	1.73E-03
NR_109780	LOC100506860		11.30	1.24	1.39E-05	1.77E-03
TCONS_00021032	XLOC_009637		7.21	3.14	1.40E-05	1.79E-03
ENST00000598137	CTD-2542C24.8		7.46	3.56	1.41E-05	1.80E-03
NR_026731	LINC01551	C14orf23	7.92	-1.18	1.47E-05	1.85E-03

ENST00000413991	AC073257.2		6.18	-1.65	1.47E-05	1.85E-03
ENST00000563811	RP11-351A20.1		6.10	2.12	1.48E-05	1.86E-03
T269533	G062431	EGF	5.15	3.80	1.50E-05	1.88E-03
T235005	G054053		6.97	3.41	1.50E-05	1.88E-03
ENST00000518861	RP11-100L22.4		4.75	3.39	1.52E-05	1.88E-03
TCONS_00016244	XLOC_007628		5.46	3.17	1.54E-05	1.91E-03
ENST00000545750	RP11-221N13.2		6.07	2.20	1.54E-05	1.91E-03
T322255	G075495		6.52	1.66	1.61E-05	1.98E-03
T235551	G054175	TBC1D22A	6.20	-1.38	1.77E-05	2.13E-03
ENST00000583314	RP11-769O8.1	YES1	6.29	3.66	1.78E-05	2.14E-03
ENST00000447908	RP4-704D23.1		9.73	1.44	1.90E-05	2.24E-03
ENST00000435271	RP11-40C11.2	PRKG1	7.14	3.92	1.96E-05	2.30E-03
T081459	G018820		6.77	1.29	2.04E-05	2.37E-03
T292715	G068512		5.59	2.58	2.06E-05	2.39E-03
uc.314+	uc.314		7.14	3.13	2.11E-05	2.43E-03
ENST00000508555	RP11-713M6.2	DKK2	5.69	2.58	2.13E-05	2.44E-03
ENST00000565127	RP11-157P23.2		5.93	2.55	2.15E-05	2.46E-03
ENST00000451510	RP4-719C8.1	PHACTR3	6.99	3.37	2.17E-05	2.46E-03
T331572	G077688		3.65	2.27	2.17E-05	2.46E-03
T015468	G003397	ABCA4	4.97	-1.79	2.26E-05	2.54E-03
GSE61474_TCONS_00299528	GSE61474_XLOC_057016		6.20	1.72	2.31E-05	2.57E-03
T040805	G009378		6.31	-2.06	2.33E-05	2.58E-03
T273789	G063571		6.12	4.53	2.34E-05	2.58E-03
ENST00000436522	RP11-368M16.3		6.50	-1.50	2.34E-05	2.58E-03
T093343	G021675		5.69	-1.13	2.38E-05	2.61E-03
NR_033987	FLJ37505		7.13	-1.13	2.52E-05	2.72E-03
T272528	G063265		5.87	2.60	2.55E-05	2.75E-03
T222044	G051317		6.58	2.18	2.69E-05	2.89E-03
ENST00000420044	RP5-1077I2.3	ISM1	6.66	1.06	2.71E-05	2.90E-03
uc.296-	uc.296		5.54	2.28	2.73E-05	2.91E-03
ENST00000456949	AC116614.1	SNTG2	6.76	-1.50	2.76E-05	2.94E-03
TCONS_00001113	XLOC_000358		7.03	-1.03	2.78E-05	2.95E-03
T009292	G002006		7.74	2.05	2.79E-05	2.95E-03
T318825	G074677		7.25	1.11	2.83E-05	2.99E-03
T338889	G079495		5.17	2.85	2.85E-05	3.00E-03
uc001zwf.1	AK021664	SLC24A5	9.88	-1.08	2.89E-05	3.05E-03
TCONS_00026898	XLOC_012965		5.41	2.01	3.05E-05	3.16E-03
ENST00000518129	CTB-118P15.2		5.61	1.76	3.06E-05	3.17E-03
ENST00000415582	RP11-465N4.4	RNPEP	5.28	-1.32	3.06E-05	3.17E-03
T048433	G011291		9.61	-1.26	3.11E-05	3.18E-03
T139221	G032492	RPH3AL	6.01	2.66	3.19E-05	3.23E-03
T215282	G049808		5.39	1.24	3.23E-05	3.26E-03
NR_104007	LOC100101148	TRIM74	6.58	2.14	3.29E-05	3.28E-03
NR_126367	PIK3CD-AS2	PIK3CD	9.10	-1.23	3.34E-05	3.31E-03
NR_051976	TRERNA1		5.26	2.60	3.38E-05	3.33E-03
T036070	G008220		8.37	1.83	3.52E-05	3.44E-03
ENST00000506172	RP11-1391J7.1	TSPAN4	8.67	-1.15	3.71E-05	3.58E-03
NR_003539	BRDTP1		6.51	-1.69	3.93E-05	3.71E-03
T259992	G059798		5.67	2.19	4.04E-05	3.80E-03
ENST00000608794	RP11-798M19.6		10.55	-1.23	4.06E-05	3.82E-03
T074944	G017266		6.52	3.07	4.12E-05	3.87E-03
NR_122034	LINC01419		9.11	-1.92	4.17E-05	3.90E-03
T093268	G021663		9.39	-1.80	4.19E-05	3.91E-03
NR_126366	PIK3CD-AS2	PIK3CD	11.61	-1.01	4.35E-05	4.02E-03
NR_024360	ZFH4-AS1	ZFH4	6.65	-1.48	4.38E-05	4.03E-03
ENST00000567614	WI2-89031B12.1		9.63	-1.37	4.39E-05	4.04E-03
ENST00000510137	CTD-2263F21.1		8.31	1.17	4.48E-05	4.10E-03
GSE61474_TCONS_00273127	GSE61474_XLOC_051396		4.78	2.11	4.70E-05	4.23E-03
T271349	G062907		5.09	1.33	4.76E-05	4.26E-03

T051756	G012088		5.93	-1.05	5.22E-05	4.57E-03
T167146	G038863	VAV1	5.94	2.09	5.27E-05	4.59E-03
GSE61474_TCONS_00005236	GSE61474_XLOC_000919		11.32	-1.15	5.31E-05	4.61E-03
T140746	G032815		5.45	2.74	5.33E-05	4.62E-03
ENST00000606809	RP5-1024N4.4	SLC5A9	7.37	-1.10	5.34E-05	4.62E-03
ENST00000424010	AC010980.2		8.83	-1.13	5.43E-05	4.67E-03
T190886	G043948	MEIS1	6.04	-1.87	5.44E-05	4.67E-03
T095486	G022318		4.58	3.91	5.62E-05	4.80E-03
ENST00000562082	RP11-119F7.5		10.39	-1.32	5.63E-05	4.80E-03
ENST00000560938	RP11-424I19.1		4.31	2.21	5.68E-05	4.82E-03
NR_038932	LINC00838		4.78	1.89	5.76E-05	4.87E-03
ENST00000608142	RP11-1399P15.1		6.91	-1.63	5.77E-05	4.87E-03
NR_038341	STK4-AS1	STK4	6.82	2.25	5.83E-05	4.92E-03
T014835	G003253		5.98	2.19	5.93E-05	4.97E-03
ENST00000455599	RP11-177F11.1	FMN2	5.64	1.89	5.96E-05	4.99E-03
T110253	G026127		4.76	1.19	6.12E-05	5.08E-03
ENST00000532068	CTD-2210P24.2		5.48	2.50	6.43E-05	5.26E-03
ENST00000517884	RP11-662G23.1	NECAB1	5.89	-1.69	6.45E-05	5.27E-03
uc010vfu.3	VHDJH	AC142381.1	6.80	-1.16	6.51E-05	5.31E-03
ENST00000582558	RP13-650J16.1	DCXR	7.35	-1.01	6.55E-05	5.32E-03
NR_024475	LINC00704		7.86	1.98	6.60E-05	5.36E-03
T177108	G040961		4.74	2.56	6.64E-05	5.38E-03
T103213	G024322		7.30	2.05	6.68E-05	5.40E-03
T306101	G071509		11.58	1.26	6.87E-05	5.53E-03
GSE61474_TCONS_00329799	GSE61474_XLOC_063835		5.29	1.64	6.97E-05	5.59E-03
NR_110262	LOC101929723		9.70	-1.37	7.40E-05	5.88E-03
ENST00000606328	RP11-458N5.1		9.99	-1.18	7.52E-05	5.94E-03
ENST00000607140	RP11-254F7.4		8.78	-1.02	7.55E-05	5.96E-03
ENST00000481521	RN7SL277P	CAPZB	5.52	2.46	7.63E-05	5.99E-03
NR_110263	LOC101929723		11.68	-1.30	7.72E-05	6.05E-03
ENST00000435175	AC106875.1	LPIN1	6.78	-1.52	7.90E-05	6.15E-03
ENST00000435028	RP11-160E2.17		10.10	1.18	8.02E-05	6.20E-03
T275194	G063967		5.11	1.07	8.02E-05	6.20E-03
T247900	G057021		8.08	-1.07	8.40E-05	6.40E-03
TCONS_00011945	XLOC_005455		8.84	-1.63	8.39E-05	6.40E-03
ENST00000547942	RP11-1049A21.2	NCKAP1L	5.86	2.33	8.45E-05	6.41E-03
NR_038950	LARGE-AS1	LARGE	5.22	3.23	8.49E-05	6.43E-03
NR_121630	CA3-AS1	CA3	5.08	2.91	8.58E-05	6.46E-03
ENST00000567907	RP11-359E8.5		4.69	1.83	8.77E-05	6.55E-03
NR_046312	KIAA1656	CCDC157	8.75	-1.22	8.79E-05	6.55E-03
T332144	G077858		4.90	3.08	8.85E-05	6.59E-03
TCONS_00010162	XLOC_004625		7.54	1.04	8.90E-05	6.62E-03
ENST00000607586	U91328.20		10.72	-1.14	9.11E-05	6.72E-03
TCONS_00010716	XLOC_004430		7.35	-1.08	9.39E-05	6.87E-03
T291011	G068025		5.92	3.08	9.44E-05	6.88E-03
T143266	G033334		3.90	1.31	9.60E-05	6.93E-03
T032981	G007483		6.36	1.33	9.68E-05	6.95E-03
ENST00000428348	RP11-160E2.16		10.21	1.22	9.66E-05	6.95E-03
ENST00000576632	CTD-2529O21.1	TBC1D16	4.60	1.88	9.77E-05	7.00E-03
ENST00000530418	RP11-222N13.1		4.59	1.99	9.98E-05	7.09E-03
ENST00000425963	AC005592.2		5.01	1.37	9.97E-05	7.09E-03
ENST00000421509	RP11-281A20.2		5.69	2.03	1.00E-04	7.11E-03
T016663	G003729	FAM102B	4.88	2.92	1.01E-04	7.14E-03
T048680	G011361		4.18	1.32	1.01E-04	7.14E-03
T376960	G089128		5.65	2.65	1.04E-04	7.25E-03
ENST00000549807	RP11-818F20.5	TXNRD1	9.53	-1.06	1.06E-04	7.40E-03
ENST00000588041	RP1-193H18.2		9.52	-1.56	1.06E-04	7.41E-03
ENST00000442726	RP11-177F15.1		4.75	2.14	1.10E-04	7.58E-03
T252766	G058209		5.84	1.61	1.11E-04	7.60E-03

ENST00000568809	RP11-524D16_A.3		8.64	1.46	1.12E-04	7.63E-03
ENST00000520370	RP11-246K15.1		5.24	1.12	1.14E-04	7.73E-03
uc001phf.3	AB231724		8.88	2.50	1.16E-04	7.80E-03
T343621	G080745		7.07	-1.26	1.16E-04	7.81E-03
TCONS_00014799	XLOC_006874		5.43	1.80	1.17E-04	7.83E-03
uc004bos.3	AB074162	NR6A1	8.42	-1.39	1.17E-04	7.83E-03
ENST00000605085	RP11-307C12.12	SHC1	9.78	-1.05	1.19E-04	7.92E-03
T015988	G003518		10.79	-1.08	1.22E-04	8.02E-03
T317645	G074379	CARD11	6.20	1.95	1.23E-04	8.03E-03
T305136	G071206		7.67	-1.13	1.23E-04	8.04E-03
uc001bxa.1	AX747064		9.02	-1.03	1.27E-04	8.23E-03
ENST00000585706	RP11-879F14.3		7.08	1.12	1.28E-04	8.25E-03
T354996	G083661		5.54	3.41	1.31E-04	8.37E-03
ENST00000595428	LA16c-OS12.2		10.78	-1.15	1.31E-04	8.39E-03
GSE61474_TCONS_00267256	GSE61474_XLOC_050076	SPRY4	7.56	1.01	1.34E-04	8.51E-03
NR_027252	CYP1B1-AS1		6.91	-1.09	1.34E-04	8.53E-03
uc003pvc.4	AF216583		6.88	-1.07	1.38E-04	8.72E-03
T323384	G075676		5.11	1.55	1.44E-04	8.89E-03
T118902	G028086		4.52	-1.25	1.44E-04	8.89E-03
ENST00000605911	RP11-347C18.5	CCNE2	8.14	-1.23	1.45E-04	8.92E-03
ENST00000587099	RP11-384O8.1		10.38	-1.44	1.48E-04	9.01E-03
ENST00000514061	CTC-303L1.2	KIAA0825	7.39	2.07	1.49E-04	9.03E-03
T204050	G047155	CERKL	10.52	-1.38	1.52E-04	9.15E-03
NR_131221	SPRY4-IT1	SPRY4	11.77	1.52	1.54E-04	9.27E-03
TCONS_00020439	XLOC_009769		7.44	2.30	1.56E-04	9.36E-03
NR_120430	LOC101928100	KLRC4-KLRK1	7.47	-2.04	1.58E-04	9.42E-03
uc.428-	uc.428	AC012123.1	4.87	2.13	1.59E-04	9.46E-03
T076588	G017648		4.97	2.66	1.62E-04	9.61E-03
ENST00000567484	RP11-429B14.4		9.37	-1.19	1.63E-04	9.63E-03
ENST00000561655	RP11-475B2.1		6.01	-1.38	1.63E-04	9.64E-03
ENST00000574883	RP11-517A5.7	ABCC6	5.13	1.18	1.68E-04	9.82E-03
GSE61474_TCONS_00093410	GSE61474_XLOC_018091		6.51	2.43	1.68E-04	9.84E-03
T213063	G049174		5.94	1.35	1.69E-04	9.84E-03
ENST00000599815	RP11-65J3.15		7.03	2.09	1.70E-04	9.86E-03
uc001pxw.1	AK091275	SORL1	5.83	1.09	1.70E-04	9.89E-03
uc001szi.3	AK022997		12.43	-1.22	1.74E-04	1.00E-02
NR_003239	SNHG11		6.92	1.43	1.78E-04	1.02E-02
NR_038283	PTPRG-AS1	PTPRG	8.34	-1.56	1.78E-04	1.02E-02
NR_026802	FAM74A4		6.66	1.25	1.82E-04	1.04E-02
T324884	G076093		7.88	-1.63	1.83E-04	1.04E-02
T132753	G031149		7.03	-1.18	1.90E-04	1.06E-02
NR_120635	LOC101928272		6.03	-1.39	1.92E-04	1.07E-02
T157850	G036367		6.46	1.41	1.95E-04	1.08E-02
AF339807	AF339807		8.68	-1.38	1.95E-04	1.08E-02
TCONS_00008111	XLOC_003578		4.14	1.01	2.01E-04	1.11E-02
ENST00000527483	RP11-383C5.4	EDRF1	7.21	1.55	2.02E-04	1.11E-02
T161392	G037297		5.96	-1.21	2.06E-04	1.12E-02
TCONS_00011409	XLOC_005530		7.44	-1.08	2.08E-04	1.13E-02
ENST00000585520	CTD-2231E14.4		6.28	-1.16	2.11E-04	1.14E-02
T299396	G069986		4.89	1.01	2.13E-04	1.15E-02
ENST00000609134	RP11-5C23.2	PAXIP1	10.38	-1.05	2.16E-04	1.15E-02
ENST00000569655	RP11-143K11.1		7.03	-1.24	2.17E-04	1.16E-02
T320706	G075124		8.19	-1.44	2.21E-04	1.17E-02
NR_110084	LOC101927391	MIOS	7.69	-1.01	2.24E-04	1.18E-02
TCONS_00008282	XLOC_003724		5.74	2.79	2.27E-04	1.19E-02
ENST00000450746	AC116035.1		4.80	1.22	2.29E-04	1.20E-02
ENST00000606482	CTD-2081C10.7		9.27	-1.15	2.29E-04	1.20E-02
T026966	G006003		5.16	2.24	2.31E-04	1.20E-02

T295607	G069111		4.26	1.00	2.34E-04	1.21E-02
T279976	G065036		5.18	1.90	2.35E-04	1.21E-02
NR_026801	FAM74A3		5.73	1.81	2.35E-04	1.21E-02
ENST00000421604	AP001255.2		6.06	-1.29	2.37E-04	1.22E-02
uc003igh.1	AK093416		9.53	-1.47	2.38E-04	1.22E-02
NR_027132	LINC00924		4.40	1.26	2.43E-04	1.24E-02
NR_103486	DNM3OS	DNM3	9.78	-1.50	2.48E-04	1.25E-02
uc003fdu.3	AK055323		9.10	-1.04	2.50E-04	1.26E-02
ENST00000398777	RP11-16N2.1		4.78	1.02	2.58E-04	1.28E-02
TCONS_00007086	XLOC_003007	PIGX	4.47	1.00	2.58E-04	1.29E-02
ENST00000508799	RP11-818C3.1		4.35	1.30	2.65E-04	1.31E-02
T073378	G016850		7.53	2.29	2.66E-04	1.31E-02
ENST00000421759	AC073283.7	TTC7A	6.67	1.49	2.67E-04	1.32E-02
uc004dfa.1	AK056524		5.90	-1.12	2.68E-04	1.32E-02
T162932	G037683		5.13	1.67	2.69E-04	1.32E-02
NR_120346	THSD4-AS2	THSD4	8.71	-1.50	2.82E-04	1.37E-02
ENST00000416100	AC102953.6		4.93	1.30	2.83E-04	1.37E-02
ENST00000608767	AF129408.17	PSMG1	9.37	-1.14	2.83E-04	1.37E-02
T122605	G028937		6.46	1.38	2.85E-04	1.37E-02
ENST00000414300	AC096669.2		4.83	-1.22	2.86E-04	1.37E-02
ENST00000453714	AC012370.3		3.85	1.45	2.88E-04	1.38E-02
T308984	G072355		3.87	1.05	2.88E-04	1.38E-02
ENST00000531702	C6orf3	TRAF3IP2	10.45	-1.07	2.89E-04	1.38E-02
T013242	G002874		4.82	1.58	2.98E-04	1.40E-02
T299425	G069993		10.29	1.17	2.98E-04	1.40E-02
T382609	G090622		7.86	-1.05	2.96E-04	1.40E-02
ENST00000508189	RP11-234O6.2	FSTL5	5.84	-1.27	2.97E-04	1.40E-02
ENST00000607735	CTD-2168K21.2	NEFL	9.32	-1.57	2.96E-04	1.40E-02
ENST00000542062	RP11-711K1.7		7.66	-1.02	3.02E-04	1.41E-02
NR_102709	UCHL1-AS1	UCHL1	6.35	1.88	3.14E-04	1.44E-02
ENST00000594400	AC006115.3	ZIM2	4.34	1.38	3.14E-04	1.44E-02
ENST00000608204	RP11-367N14.3		8.80	-1.27	3.16E-04	1.45E-02
T109944	G026042		5.91	1.40	3.17E-04	1.45E-02
T129230	G030262		5.73	2.70	3.29E-04	1.48E-02
NR_110088	LOC101927497	CDK6	6.78	1.04	3.37E-04	1.51E-02
ENST00000441046	RP5-893G23.1		5.10	1.31	3.48E-04	1.54E-02
T059801	G013929		8.26	1.14	3.53E-04	1.55E-02
NR_033967	SLC2A1-AS1	SLC2A1	6.18	-1.11	3.61E-04	1.57E-02
T288177	G067335		5.23	1.19	3.64E-04	1.58E-02
T210178	G048630		7.65	1.07	3.64E-04	1.58E-02
NR_038397	DNM3OS	DNM3	7.28	-1.40	3.65E-04	1.58E-02
T346297	G081525		5.58	1.63	3.69E-04	1.58E-02
ENST00000453229	RP11-230B22.1	DOCK7	4.69	1.01	3.68E-04	1.58E-02
ENST00000607697	CTD-2541M15.4		8.34	-1.09	3.82E-04	1.62E-02
ENST00000589101	CTD-2105E13.13	RPL28	8.10	-1.13	3.98E-04	1.65E-02
T323286	G075661		8.34	1.62	4.05E-04	1.67E-02
T132588	G031106		6.99	2.14	4.26E-04	1.71E-02
T268044	G062041		10.13	-1.09	4.30E-04	1.72E-02
ENST00000556669	RP11-433J8.2		4.45	1.40	4.36E-04	1.73E-02
TCONS_00019717	XLOC_009514		5.86	2.15	4.41E-04	1.74E-02
TCONS_00011982	XLOC_005493		5.16	1.30	4.41E-04	1.74E-02
uc004ami.1	AK097447	SPATA31D3	8.42	1.42	4.42E-04	1.74E-02
uc003z mh.1	BX648501	C9orf92	6.42	1.17	4.44E-04	1.75E-02
ENST00000564121	RP11-521O16.2		3.98	1.11	4.49E-04	1.76E-02
ENST00000509834	RP11-420A23.1		6.13	-1.01	4.51E-04	1.76E-02
T247979	G057036	CD96	4.73	1.31	4.62E-04	1.79E-02
ENST00000436418	RP1-92C4.2		4.08	2.75	4.67E-04	1.80E-02
T060504	G014066		4.44	1.42	4.76E-04	1.82E-02
T239670	G055138		5.31	1.09	4.93E-04	1.87E-02
NR_038268	LINC00840		8.58	-1.42	4.93E-04	1.87E-02
NR_003276	CES1P1		6.68	1.38	4.95E-04	1.88E-02

TCONS_00010053	XLOC_004500		4.44	1.72	5.02E-04	1.90E-02
ENST00000597609	CTB-12A17.3	CALM3	7.09	1.54	5.10E-04	1.91E-02
T268800	G062249		4.61	1.45	5.16E-04	1.92E-02
ENST00000450628	AC010096.2		4.47	2.25	5.24E-04	1.94E-02
ENST00000590983	RP11-873E20.1		5.49	1.22	5.33E-04	1.95E-02
ENST00000478294	RP13-463N16.6		8.26	1.20	5.32E-04	1.95E-02
NR_001574	RBMV2EP		7.51	-1.36	5.39E-04	1.97E-02
TCONS_00006666	XLOC_003262		5.51	1.53	5.70E-04	2.03E-02
T038570	G008800		5.50	1.05	5.87E-04	2.06E-02
T285256	G066548		4.45	2.15	5.88E-04	2.06E-02
T033340	G007545		5.83	1.74	5.98E-04	2.08E-02
T342650	G080423		4.56	2.29	6.02E-04	2.09E-02
TCONS_00012358	XLOC_005917		7.01	2.07	6.05E-04	2.09E-02
ENST00000438151	RP11-556N4.1		5.16	1.44	6.05E-04	2.09E-02
ENST00000586478	RP11-687F6.1		6.06	-1.31	6.07E-04	2.10E-02
T093525	G021733	DGKH	4.48	2.41	6.17E-04	2.11E-02
T222510	G051388		5.01	1.12	6.27E-04	2.13E-02
ENST00000558818	RP11-27M9.1		4.46	1.39	6.37E-04	2.16E-02
T013562	G002969	NEXN	4.91	1.04	6.45E-04	2.18E-02
T005322	G001070		9.96	-1.27	6.45E-04	2.18E-02
NR_122104	LOC440446		5.15	1.64	6.46E-04	2.18E-02
TCONS_00018344	XLOC_008625		5.52	1.54	6.61E-04	2.21E-02
ENST00000430540	RP11-473A10.2		10.01	-1.18	6.92E-04	2.27E-02
ENST00000418621	AC016716.2	CTNNA2	5.72	1.15	7.26E-04	2.33E-02
TCONS_00016270	XLOC_007647		4.05	2.31	7.32E-04	2.35E-02
ENST00000607352	RP11-91J19.4		8.81	-1.19	7.36E-04	2.35E-02
T232757	G053563		4.86	1.16	7.38E-04	2.35E-02
T321703	G075352		4.86	1.34	7.64E-04	2.40E-02
ENST00000505825	CTC-459M5.2	EPB41L4A	4.36	1.27	7.68E-04	2.40E-02
NR_110197	LOC100506457		8.69	1.07	7.69E-04	2.40E-02
T105391	G024884		4.40	1.28	7.73E-04	2.41E-02
T191664	G044136		6.17	-1.55	7.89E-04	2.44E-02
TCONS_00027419	XLOC_013407		4.72	1.40	8.08E-04	2.47E-02
ENST00000419668	AC002454.1		6.73	1.08	8.18E-04	2.49E-02
TCONS_00008566	XLOC_004060		4.36	1.66	8.35E-04	2.52E-02
T269719	G062492		3.90	1.20	8.39E-04	2.53E-02
NR_121625	LOC100507639		8.05	-1.10	8.53E-04	2.56E-02
T206557	G047822		5.80	1.65	8.59E-04	2.57E-02
T072311	G016660	ANO2	6.99	1.11	8.64E-04	2.58E-02
GSE61474_TCONS_00308979	GSE61474_XLOC_059051		5.81	1.82	8.69E-04	2.58E-02
T045392	G010524		4.81	1.99	8.82E-04	2.60E-02
NR_046438	MEIS1-AS3		7.22	-1.34	8.85E-04	2.60E-02
T008148	G001747		11.24	-2.46	9.16E-04	2.65E-02
T204998	G047395		4.87	1.42	9.24E-04	2.67E-02
NR_024121	LINC00235	CAPN15	7.17	1.50	9.33E-04	2.68E-02
T360949	G085265		4.93	1.05	9.34E-04	2.68E-02
NR_038978	MORF4L2-AS1	MORF4L2	8.04	-1.20	9.31E-04	2.68E-02
T133594	G031404		5.40	1.39	9.47E-04	2.70E-02
T209102	G048355		10.61	1.10	9.75E-04	2.75E-02
NR_026713	FAM182A		5.68	-1.38	9.95E-04	2.79E-02
ENST00000597288	RP11-256I23.3		10.33	-1.02	1.00E-03	2.80E-02
T077308	G017899		4.84	1.72	1.01E-03	2.82E-02
NR_049896	C18orf61		6.38	-1.17	1.05E-03	2.88E-02
T049251	G011518		4.50	1.53	1.05E-03	2.88E-02
NR_001562	ANXA2P1	TRIM2	14.69	1.24	1.09E-03	2.94E-02
T113727	G026842		5.58	1.13	1.09E-03	2.95E-02
NR_130726	LINC00243		8.30	1.16	1.10E-03	2.95E-02
T198302	G045742		5.17	1.26	1.13E-03	2.99E-02
TCONS_00020373	XLOC_009705		6.28	-1.18	1.14E-03	3.02E-02
ENST00000441666	AP000146.2		6.29	-1.11	1.19E-03	3.10E-02

T050878	G011921		5.10	1.01	1.22E-03	3.15E-02
ENST00000412639	RP3-510D11.2		8.32	-1.12	1.24E-03	3.17E-02
T086702	G020122		6.09	1.58	1.24E-03	3.17E-02
T112525	G026557		5.37	1.49	1.25E-03	3.18E-02
ENST00000419832	RP11-332K15.1	IQUB	5.97	-1.47	1.25E-03	3.18E-02
T270163	G062604		5.72	1.28	1.26E-03	3.18E-02
T102579	G024141		4.97	1.23	1.29E-03	3.23E-02
T157395	G036272	COLEC12	6.27	1.58	1.29E-03	3.24E-02
T284782	G066435		4.34	1.47	1.30E-03	3.25E-02
T371403	G087584	PRPS2	7.33	-1.03	1.33E-03	3.29E-02
NR_120424	LOC101929259		5.18	1.30	1.34E-03	3.30E-02
TCONS_00013039	XLOC_006164		5.47	1.21	1.35E-03	3.32E-02
T222636	G051401		4.21	1.30	1.36E-03	3.33E-02
ENST00000418393	AC004231.2	KRT23	5.84	1.06	1.38E-03	3.35E-02
uc002how.1	AL832615		5.27	1.80	1.40E-03	3.39E-02
ENST00000582120	RP11-720L2.2	COLEC12	6.24	1.63	1.41E-03	3.39E-02
ENST00000555383	RP11-404P21.5	BDKRB2	10.91	-1.27	1.42E-03	3.41E-02
T164245	G038121		6.35	-1.07	1.42E-03	3.41E-02
T336706	G078953		4.60	1.01	1.43E-03	3.43E-02
ENST00000579097	RP11-161I6.2		5.13	1.27	1.44E-03	3.43E-02
T292627	G068474		4.67	1.12	1.46E-03	3.46E-02
ENST00000417801	RP11-394O9.1		5.86	1.41	1.48E-03	3.49E-02
T081070	G018684		4.97	1.48	1.49E-03	3.51E-02
uc002hmk.1	AX747639	TBC1D3G	5.56	1.92	1.50E-03	3.52E-02
ENST00000433101	AP000459.7		4.49	1.21	1.54E-03	3.58E-02
ENST00000578243	RP11-527H14.4		7.91	-1.01	1.55E-03	3.60E-02
ENST00000602607	RP3-426I6.5	STX12	10.94	-1.01	1.56E-03	3.60E-02
ENST00000432032	AP000355.2	UPB1	6.64	-1.14	1.62E-03	3.69E-02
T077403	G017928		8.28	-1.18	1.62E-03	3.69E-02
T347936	G082016		4.70	1.04	1.64E-03	3.70E-02
NR_027345	LINC00173		9.07	-1.07	1.64E-03	3.70E-02
ENST00000606743	XXbac-BPG181B23.7		10.62	-1.16	1.65E-03	3.71E-02
ENST00000400432	RP11-172E9.2		5.43	-1.09	1.65E-03	3.71E-02
T140209	G032709		5.80	1.05	1.68E-03	3.75E-02
TCONS_00004621	XLOC_002530		7.27	-1.02	1.68E-03	3.75E-02
NR_104116	LINC00877		8.02	-1.13	1.71E-03	3.78E-02
TCONS_00004291	XLOC_002136		5.50	1.68	1.72E-03	3.79E-02
uc.433+	uc.433		5.20	1.48	1.79E-03	3.88E-02
T195306	G044998		4.76	1.19	1.80E-03	3.89E-02
T330734	G077449		5.39	1.27	1.84E-03	3.94E-02
T061773	G014292	RBM4B	9.02	-1.18	1.85E-03	3.96E-02
T195789	G045105		5.21	1.03	1.90E-03	4.02E-02
T266066	G061499		6.15	-1.37	1.94E-03	4.08E-02
ENST00000607296	CTD-2235C13.3		10.16	-1.21	1.95E-03	4.08E-02
T011935	G002541		4.61	1.03	1.98E-03	4.12E-02
T160672	G037127	ASXL3	4.64	1.88	1.99E-03	4.13E-02
uc.188+	uc.188	ATXN1	6.68	-1.07	1.99E-03	4.13E-02
ENST00000594899	RP11-277L2.5		8.41	-1.22	2.01E-03	4.15E-02
T280246	G065127		6.70	-1.03	2.02E-03	4.17E-02
NR_045385	ASAP1-IT2	ASAP1	8.62	-1.04	2.02E-03	4.17E-02
T047814	G011114		6.75	1.23	2.06E-03	4.21E-02
T097044	G022791		5.91	1.22	2.08E-03	4.23E-02
T269343	G062397		7.16	1.10	2.08E-03	4.23E-02
T294701	G068922	COL23A1	4.75	1.07	2.08E-03	4.23E-02
T341469	G080147		5.33	1.51	2.08E-03	4.23E-02
TCONS_00027541	XLOC_013072		5.99	-1.10	2.12E-03	4.26E-02
T206137	G047699	ICOS	4.48	1.00	2.13E-03	4.28E-02
T063194	G014583		7.77	1.05	2.13E-03	4.28E-02
T193685	G044640		6.13	1.27	2.14E-03	4.29E-02
ENST00000606980	RP11-111M22.4	LOC100506127	10.47	-1.07	2.14E-03	4.29E-02

T003482	G000681		7.01	1.32	2.19E-03	4.35E-02
ENST00000522408	RP11-109P6.2		7.91	-1.32	2.22E-03	4.39E-02
NR_110809	LOC101927666	DYNLL2	6.94	1.54	2.23E-03	4.40E-02
T161999	G037451	DYM	7.70	-1.20	2.28E-03	4.47E-02
T240875	G055454		5.85	1.05	2.32E-03	4.51E-02
T356321	G084032		6.71	1.90	2.33E-03	4.52E-02
T032592	G007359		5.12	1.49	2.34E-03	4.53E-02
T351302	G082935		6.13	2.46	2.41E-03	4.60E-02
NR_026844	ANKRD36BP1		9.86	-1.17	2.48E-03	4.68E-02
T342717	G080450		5.84	-1.66	2.51E-03	4.72E-02
ENST00000585329	RP11-527L4.5	FAM215A	4.88	-1.09	2.51E-03	4.72E-02
T379787	G089932		4.11	1.18	2.53E-03	4.74E-02
T278201	G064528		7.33	1.16	2.55E-03	4.76E-02
ENST00000446709	AC097461.4	ACSL3	5.68	-1.29	2.55E-03	4.76E-02
T310662	G072820		4.48	1.79	2.56E-03	4.77E-02
uc031qdd.1	LOC642414		4.12	1.86	2.70E-03	4.92E-02

S3 Table. Dysregulated mRNAs in LX-2 cells exposed to conditioned media from PF-treated hepatocytes

Sequence Name	Gene Symbol	Avg Exp	Log ₂ FC	p-value	FDR
NM_018348	CMTR2	13.30	5.32	6.36E-10	2.52E-06
NM_000899	KITLG	13.00	5.76	4.38E-10	2.52E-06
NM_003696	OR6A2	12.45	6.58	7.14E-10	2.58E-06
uc011dig.1	OFCC1	13.61	5.47	2.54E-09	5.36E-06
NM_017433	MYO3A	13.16	5.56	2.79E-09	5.36E-06
NM_001135995	ATXN3L	12.16	6.53	3.46E-09	5.36E-06
NM_153607	CREBRF	13.49	4.85	5.40E-09	6.64E-06
NM_002103	GYS1	12.59	5.21	5.31E-09	6.64E-06
NM_001242901	DPP9-AS1	15.27	4.16	6.11E-09	7.04E-06
NM_001012970	C1orf100	9.70	6.54	7.01E-09	7.21E-06
NM_001098814	SRL	9.95	6.44	8.09E-09	7.75E-06
NM_024645	ZMAT4	9.21	-2.78	1.33E-08	9.20E-06
NM_153695	ZNF367	11.62	5.24	1.36E-08	9.20E-06
NM_001195581	ARL14EPL	9.52	5.87	1.31E-08	9.20E-06
NM_178859	SLC51B	10.79	5.94	1.33E-08	9.20E-06
NM_005911	MAT2A	14.54	3.02	1.52E-08	9.56E-06
NM_002987	CCL17	9.23	6.12	1.82E-08	9.97E-06
NM_173848	RALYL	9.07	5.85	1.88E-08	1.00E-05
NM_001005325	OR6M1	7.48	5.65	1.95E-08	1.02E-05
ENST00000405369	LL22NC03-75H12.2	6.85	-2.52	2.15E-08	1.07E-05
NM_016298	FBXO40	10.51	6.08	2.41E-08	1.13E-05
NM_007014	WWP2	10.71	4.57	2.99E-08	1.25E-05
ENST00000596858	AC093323.1	10.32	6.00	3.04E-08	1.25E-05
NM_001005168	OR52E8	9.04	6.70	3.26E-08	1.29E-05
NM_052860	ZNF300	7.48	-2.00	4.95E-08	1.63E-05
NM_031461	CRISPLD1	5.06	-2.21	5.51E-08	1.70E-05
NM_153813	ZFPM1	10.19	5.51	5.60E-08	1.72E-05
NM_002632	PGF	11.30	6.51	6.66E-08	1.80E-05
NM_003774	GALNT4	6.91	-1.85	6.87E-08	1.83E-05
NM_207396	RNF207	10.18	5.50	6.87E-08	1.83E-05
NM_001003819	TRIM6-TRIM34	9.98	6.59	7.41E-08	1.87E-05
NM_004488	GP5	9.39	6.91	7.76E-08	1.88E-05
ENST00000401499	AC008060.7	6.50	3.60	7.94E-08	1.91E-05
NM_020828	ZFP28	9.56	4.49	8.16E-08	1.91E-05
ENST00000284481	C8orf12	10.12	6.76	8.44E-08	1.91E-05
NM_004176	SREBF1	15.95	-1.69	9.59E-08	2.03E-05
NM_001164473	FNBP1L	10.55	4.38	1.03E-07	2.09E-05
NM_003955	SOCS3	6.09	1.83	1.18E-07	2.17E-05
NM_001732	BTN1A1	7.69	5.94	1.26E-07	2.28E-05
NM_004004	GJB2	7.75	3.46	1.35E-07	2.34E-05
NM_016279	CDH9	9.52	-2.03	1.49E-07	2.42E-05
NM_000609	CXCL12	11.29	-1.79	1.48E-07	2.42E-05
NM_001794	CDH4	8.27	1.85	1.53E-07	2.44E-05
NM_000686	AGTR2	6.44	2.43	1.56E-07	2.44E-05
NM_015570	AUTS2	9.12	7.13	1.60E-07	2.44E-05
NM_001004312	RTP2	5.84	2.28	1.72E-07	2.52E-05
NM_004065	CDR1	4.26	-2.15	1.80E-07	2.59E-05
NM_002150	HPD	7.92	-1.80	1.91E-07	2.69E-05
ENST00000522186	RP11-386G21.1	4.95	2.24	1.93E-07	2.69E-05
NM_020733	HEG1	10.65	5.66	1.97E-07	2.74E-05

NM_003107	SOX4	13.30	-1.99	2.05E-07	2.78E-05
NM_005438	FOSL1	16.53	1.61	2.06E-07	2.78E-05
NM_003645	SLC27A2	9.61	-1.69	2.19E-07	2.85E-05
NM_033210	ZNF502	9.79	5.63	2.27E-07	2.94E-05
NM_006158	NEFL	10.52	-1.53	2.36E-07	3.00E-05
ENST00000334314	AKR1CL1	6.17	5.58	2.44E-07	3.02E-05
NM_007218	RNF139	11.68	3.48	2.58E-07	3.07E-05
NM_031957	KRTAP1-5	9.04	2.62	2.59E-07	3.08E-05
NM_024817	THSD4	9.85	3.83	2.60E-07	3.08E-05
NM_170600	SH2D3C	10.85	-1.98	2.61E-07	3.10E-05
NM_001024613	FEZF1	6.89	-1.88	2.65E-07	3.12E-05
NM_001004456	OR1M1	5.85	-2.58	2.74E-07	3.20E-05
uc031skz.1	LOC728637	5.14	-2.14	2.86E-07	3.28E-05
NM_000090	COL3A1	15.15	-1.96	2.94E-07	3.30E-05
NM_004211	SLC6A5	5.27	-1.73	3.02E-07	3.33E-05
ENST00000326958	AC026703.1	12.49	-2.40	3.04E-07	3.35E-05
NM_004106	FCER1G	7.92	-1.40	3.05E-07	3.35E-05
NM_001317	CSH1	6.57	-1.69	3.10E-07	3.36E-05
NM_001164464	TRIM43B	7.87	3.65	3.15E-07	3.37E-05
NM_032410	HOOK3	12.63	3.56	3.37E-07	3.50E-05
NM_153244	C10orf111	5.76	-2.53	3.55E-07	3.59E-05
NM_001080457	LRRC4B	10.26	-1.62	3.56E-07	3.59E-05
ENST00000546949	CTD- 2368P22.1	7.42	3.89	3.55E-07	3.59E-05
NM_031279	ETNPPL	10.56	4.04	3.59E-07	3.61E-05
NM_001024630	RUNX2	9.92	-3.38	3.67E-07	3.66E-05
NM_006474	PDPN	8.50	-1.70	3.68E-07	3.66E-05
NM_000589	IL4	6.72	4.95	3.87E-07	3.80E-05
NM_001034841	ITPRIPL2	8.67	1.47	3.88E-07	3.81E-05
NM_001077706	ECT2L	6.61	-1.80	3.94E-07	3.84E-05
ENST00000588212	CTC-512J12.6	7.65	-1.47	3.94E-07	3.84E-05
NM_001446	FABP7	9.08	-2.07	4.01E-07	3.88E-05
NM_031275	TEX12	7.61	4.22	4.00E-07	3.88E-05
NM_001159	AOX1	14.05	2.14	4.04E-07	3.89E-05
NM_001159522	ZNF727	8.05	-1.54	4.36E-07	4.10E-05
NM_003814	ADAM20	7.86	-1.35	4.65E-07	4.30E-05
NM_018214	LRRC1	11.39	3.18	4.70E-07	4.32E-05
NM_017726	PPP1R14D	5.38	-1.37	4.73E-07	4.33E-05
NM_001956	EDN2	11.10	-2.45	4.78E-07	4.36E-05
NM_145262	GLYCTK	7.80	1.34	4.87E-07	4.41E-05
NM_004361	CDH7	8.28	4.89	4.98E-07	4.46E-05
NM_001025194	CES1	6.64	1.69	5.02E-07	4.47E-05
NM_001001850	STX19	5.66	3.78	5.17E-07	4.58E-05
NM_031273	TEX13B	5.50	-1.35	5.41E-07	4.74E-05
NM_004734	DCLK1	10.93	-1.41	5.45E-07	4.77E-05
NM_004574	4-Sep	11.06	-1.34	5.63E-07	4.83E-05
NM_024420	PLA2G4A	8.85	-1.94	5.67E-07	4.85E-05
NM_152404	UGT3A1	5.59	-2.15	5.77E-07	4.91E-05
NM_021013	KRT34	14.04	2.60	6.08E-07	5.07E-05
NM_003326	TNFSF4	13.43	1.46	6.21E-07	5.13E-05
NM_020945	WDFY4	7.99	4.63	6.42E-07	5.21E-05
ENST00000593303	AC135983.2	6.91	1.98	6.62E-07	5.28E-05
NM_145044	ZNF501	9.58	3.43	6.66E-07	5.29E-05
NM_002606	PDE9A	11.07	4.01	6.73E-07	5.33E-05
NM_005402	RALA	14.68	1.41	6.77E-07	5.34E-05

NM_001278599	AXL	10.29	1.75	6.83E-07	5.36E-05
NM_006691	LYVE1	8.33	-1.98	6.87E-07	5.38E-05
NM_033266	ERN2	5.77	-1.45	6.89E-07	5.39E-05
ENST00000593656	AL137002.1	4.97	-1.39	7.00E-07	5.41E-05
uc003pcc.1	AX746830	5.11	-1.32	7.06E-07	5.44E-05
NM_002155	HSPA6	9.63	1.54	7.39E-07	5.56E-05
uc010lxs.3	KIAA0146	11.90	-1.25	7.64E-07	5.64E-05
NM_022372	MLST8	13.04	2.18	7.75E-07	5.70E-05
NM_002518	NPAS2	8.25	1.34	7.84E-07	5.70E-05
NM_032873	UBASH3B	9.82	1.58	7.85E-07	5.70E-05
NM_003553	OR1E1	6.21	3.04	7.86E-07	5.70E-05
NM_001080146	CT47A1	7.58	4.32	7.80E-07	5.70E-05
NM_015868	KIR2DL3	5.69	-1.70	7.87E-07	5.71E-05
NM_001128636	ELFN1	7.92	1.32	7.94E-07	5.73E-05
NM_198993	STAC2	9.94	-1.65	8.07E-07	5.77E-05
NM_003192	TBCC	9.95	2.93	8.09E-07	5.77E-05
NM_178821	DAW1	6.46	1.44	8.27E-07	5.85E-05
NM_001511	CXCL1	9.61	1.71	8.37E-07	5.87E-05
NM_006727	CDH10	9.25	-1.71	8.40E-07	5.88E-05
NM_015068	PEG10	11.05	-2.09	8.45E-07	5.89E-05
NM_001165252	KRTAP2-3	10.56	2.92	8.53E-07	5.91E-05
NM_002380	MATN2	12.19	-1.34	8.80E-07	6.04E-05
NM_002163	IRF8	6.20	-1.53	8.82E-07	6.04E-05
NM_007048	BTN3A1	10.74	4.11	8.83E-07	6.04E-05
NM_017640	LRRC16A	11.91	3.10	9.03E-07	6.13E-05
NM_002826	QSOX1	10.54	1.34	9.07E-07	6.15E-05
NM_001122679	TENM2	8.64	-1.38	9.15E-07	6.19E-05
NM_014031	SLC27A6	6.88	3.78	9.16E-07	6.19E-05
NM_002280	KRT35	8.83	-1.84	9.32E-07	6.24E-05
NM_006779	CDC42EP2	9.92	1.98	9.30E-07	6.24E-05
NM_001204477	CDRT4	7.04	3.84	9.69E-07	6.38E-05
NM_014289	CAPN6	6.13	-1.54	9.82E-07	6.45E-05
NM_007003	PAGE4	7.33	4.58	1.00E-06	6.49E-05
NM_012254	SLC27A5	9.15	-1.63	1.01E-06	6.54E-05
NM_001291807	FAP	7.86	-1.78	1.04E-06	6.64E-05
NM_002526	NT5E	11.53	1.66	1.05E-06	6.69E-05
NM_003140	SRY	7.55	-2.31	1.06E-06	6.70E-05
NM_021973	HAND2	12.28	-1.72	1.07E-06	6.76E-05
ENST00000376591	TMC4	9.52	-1.30	1.07E-06	6.78E-05
NM_015205	ATP11A	6.64	-1.45	1.11E-06	6.94E-05
NM_018022	TMEM51	8.82	1.17	1.11E-06	6.94E-05
NM_175061	JAZF1	12.65	-1.47	1.12E-06	6.96E-05
NM_173600	MUC19	6.71	-1.98	1.15E-06	7.06E-05
NM_144594	GTSF1	10.43	1.62	1.17E-06	7.19E-05
NM_002166	ID2	10.92	-1.18	1.21E-06	7.37E-05
NM_004836	EIF2AK3	13.12	-1.24	1.22E-06	7.37E-05
NM_002639	SERPINB5	4.64	-1.41	1.24E-06	7.40E-05
uc031ryf.1	DQ591848	14.04	-1.18	1.23E-06	7.40E-05
NM_001129820	SLFN14	10.96	-1.11	1.24E-06	7.40E-05
NM_001247	ENTPD6	12.62	1.42	1.23E-06	7.40E-05
NM_000602	SERPINE1	16.23	1.98	1.24E-06	7.40E-05
NM_004117	FKBP5	12.28	-1.26	1.25E-06	7.41E-05
NM_018988	GFOD1	7.88	1.87	1.26E-06	7.47E-05
NM_006166	NFYB	15.05	-1.39	1.29E-06	7.60E-05
ENST00000593357	AC137056.1	5.66	2.12	1.31E-06	7.66E-05

NM_001082968	TOM1L2	8.78	1.47	1.31E-06	7.67E-05
NM_032023	RASSF4	11.66	-1.56	1.34E-06	7.76E-05
NM_013258	PYCARD	12.52	-1.58	1.38E-06	7.88E-05
NM_003944	SELENBP1	9.64	-1.20	1.39E-06	7.92E-05
NM_004758	BZRAP1	6.86	4.16	1.47E-06	8.24E-05
NM_080388	S100A16	11.23	1.33	1.50E-06	8.31E-05
NM_024867	SPEF2	8.59	2.54	1.53E-06	8.40E-05
NM_001278587	LOC100134391	5.07	2.11	1.58E-06	8.59E-05
NM_014344	FJX1	11.22	2.90	1.59E-06	8.62E-05
NM_181501	ITGA1	11.76	-1.50	1.61E-06	8.65E-05
NM_020762	SRGAP1	9.66	1.24	1.63E-06	8.70E-05
NM_004205	USP2	11.67	-1.40	1.64E-06	8.72E-05
NM_015103	PLXND1	12.77	-1.95	1.66E-06	8.82E-05
NM_001256155	ARMCX4	5.98	-1.87	1.68E-06	8.86E-05
NM_152890	COL24A1	5.13	-1.90	1.71E-06	8.92E-05
NM_014298	QPRT	7.63	-1.28	1.71E-06	8.93E-05
NM_032382	COG8	10.70	2.13	1.73E-06	8.99E-05
NM_001173461	SHISA6	5.29	-1.68	1.79E-06	9.18E-05
NM_000929	PLA2G5	7.00	-1.20	1.79E-06	9.18E-05
NM_001012728	DPRX	8.36	2.21	1.82E-06	9.25E-05
NM_012429	SEC14L2	11.15	1.07	1.82E-06	9.28E-05
NM_004825	CDY2A	7.97	4.70	1.83E-06	9.29E-05
NM_016341	PLCE1	12.00	-1.19	1.83E-06	9.30E-05
NM_012285	KCNH4	6.29	-1.89	1.85E-06	9.34E-05
NM_022064	RNF123	11.39	1.58	1.88E-06	9.43E-05
NM_001005512	OR4A47	6.07	2.11	1.89E-06	9.47E-05
NM_004572	PKP2	11.08	-1.11	1.89E-06	9.49E-05
NM_001191	BCL2L1	8.66	1.37	1.91E-06	9.53E-05
NM_002779	PSD	9.25	1.74	1.91E-06	9.53E-05
NM_001561	TNFRSF9	8.02	-1.31	1.93E-06	9.59E-05
ENST00000445534	AC112715.2	8.10	-1.29	1.93E-06	9.59E-05
NM_001135768	PVR	8.88	1.25	1.98E-06	9.70E-05
NM_138812	DYDC1	4.99	2.76	1.99E-06	9.72E-05
NM_207398	GBP7	4.64	1.45	2.07E-06	9.98E-05
NM_005634	SOX3	9.65	-1.48	2.10E-06	1.00E-04
NM_015429	ABI3BP	12.34	1.16	2.09E-06	1.00E-04
NM_005251	FOXC2	8.18	1.61	2.09E-06	1.00E-04
NM_013372	GREM1	10.10	1.52	2.10E-06	1.00E-04
NM_000024	ADRB2	9.70	1.14	2.11E-06	1.00E-04
NM_018413	CHST11	8.97	1.25	2.12E-06	1.01E-04
NM_001012338	NTRK3	11.31	-1.90	2.14E-06	1.01E-04
NM_178505	TMEM26	6.32	-1.31	2.19E-06	1.03E-04
NM_005658	TRAF1	11.97	-1.04	2.19E-06	1.03E-04
NM_001001852	PIM3	10.08	1.08	2.21E-06	1.03E-04
NM_017882	CLN6	8.89	1.31	2.21E-06	1.03E-04
NM_002615	SERPINF1	6.80	-1.37	2.22E-06	1.04E-04
NM_022569	NDST4	5.75	-1.82	2.24E-06	1.04E-04
NM_006225	PLCD1	12.64	-1.12	2.25E-06	1.04E-04
NM_015164	PLEKHM2	9.01	1.32	2.26E-06	1.05E-04
NM_173516	PNLDC1	10.41	-1.16	2.27E-06	1.05E-04
NM_005279	GPR1	9.22	1.44	2.27E-06	1.05E-04
NM_001308147	PLEKHG3	14.81	-1.06	2.27E-06	1.05E-04
NM_175698	SSX2	5.47	1.37	2.31E-06	1.06E-04
NM_003199	TCF4	11.39	-1.08	2.33E-06	1.07E-04
NM_012294	RAPGEF5	8.12	-2.89	2.36E-06	1.08E-04

NM_001673	ASNS	16.58	1.63	2.36E-06	1.08E-04
NM_030949	PPP1R14C	6.57	3.35	2.35E-06	1.08E-04
NM_014220	TM4SF1	14.23	1.23	2.39E-06	1.08E-04
NM_032744	ADTRP	7.83	1.28	2.39E-06	1.08E-04
NM_080676	MACROD2	5.41	-1.20	2.40E-06	1.09E-04
NM_017999	RNF31	8.36	1.05	2.40E-06	1.09E-04
NM_030912	TRIM8	8.95	1.30	2.41E-06	1.09E-04
ENST00000566854	CTD-3203P2.2	5.37	-1.36	2.42E-06	1.09E-04
NM_001251	CD68	6.10	1.42	2.42E-06	1.09E-04
NM_015163	TRIM9	10.51	-2.12	2.43E-06	1.09E-04
NM_024009	GJB3	7.55	-1.25	2.46E-06	1.10E-04
NM_021241	WIZ	11.13	1.11	2.47E-06	1.10E-04
NM_001080436	WTIP	8.59	1.22	2.47E-06	1.10E-04
NM_006439	MAB21L2	10.95	-1.67	2.49E-06	1.11E-04
NM_003897	IER3	16.56	1.13	2.49E-06	1.11E-04
NM_001195234	TRIM49C	5.17	2.05	2.49E-06	1.11E-04
NM_005092	TNFSF18	6.96	1.14	2.52E-06	1.12E-04
NM_006688	C1QL1	15.44	-1.05	2.57E-06	1.13E-04
NM_080657	RSAD2	6.50	-1.20	2.58E-06	1.13E-04
NM_198699	KRTAP10-12	8.18	-1.21	2.59E-06	1.13E-04
NM_001291332	MROH7	5.04	-1.13	2.61E-06	1.14E-04
NM_006293	TYRO3	9.38	1.06	2.63E-06	1.14E-04
NM_001031711	ERGIC1	9.83	1.08	2.63E-06	1.14E-04
NM_201274	MPRIP	12.44	1.07	2.64E-06	1.14E-04
NM_021257	NGB	7.13	-2.25	2.67E-06	1.15E-04
ENST00000433584	GPR113	6.70	-1.14	2.68E-06	1.15E-04
NM_014164	FXD5	14.08	1.26	2.70E-06	1.16E-04
NM_025165	ELL3	10.66	-1.23	2.73E-06	1.16E-04
NM_012242	DKK1	16.08	1.13	2.72E-06	1.16E-04
NM_005912	MC4R	9.28	-1.73	2.75E-06	1.17E-04
NM_001286819	LETM2	9.10	1.64	2.76E-06	1.17E-04
NM_003500	ACOX2	9.02	1.66	2.76E-06	1.17E-04
NM_003242	TGFBR2	7.96	1.20	2.78E-06	1.17E-04
NM_004043	ASMT	6.31	-1.48	2.79E-06	1.17E-04
NM_003714	STC2	15.26	1.65	2.79E-06	1.18E-04
NM_001146068	CAPN2	15.29	1.01	2.80E-06	1.18E-04
NM_018286	TMEM100	7.42	-1.32	2.84E-06	1.18E-04
NM_024114	TRIM48	7.01	2.73	2.86E-06	1.19E-04
NM_001008496	PIWIL3	4.73	3.92	2.86E-06	1.19E-04
NM_014033	METTL7A	9.04	-1.79	2.88E-06	1.19E-04
NM_014984	CEP131	8.63	1.06	2.88E-06	1.19E-04
NM_002923	RGS2	10.63	-1.42	2.93E-06	1.20E-04
NM_032138	KBTBD7	12.10	-1.17	2.95E-06	1.20E-04
NM_000794	DRD1	10.01	-1.14	2.95E-06	1.20E-04
NM_001797	CDH11	8.70	-1.15	2.99E-06	1.22E-04
NM_001276266	DUOXA1	6.48	1.05	3.01E-06	1.22E-04
NM_023070	ZFP69B	8.77	2.25	3.00E-06	1.22E-04
NM_001085399	RELL1	9.40	3.33	3.00E-06	1.22E-04
NM_182645	VGLL2	6.05	-1.13	3.02E-06	1.22E-04
NM_004421	DVL1	10.23	1.11	3.03E-06	1.22E-04
NM_173536	GABRG1	5.68	-2.83	3.04E-06	1.22E-04
ENST00000377548	RP11-160N1.10	10.22	1.10	3.05E-06	1.23E-04
NM_015221	DNMBP	11.29	1.29	3.07E-06	1.23E-04
NM_016034	MRPS2	9.78	1.14	3.11E-06	1.24E-04

NM_005194	CEBPB	9.02	1.45	3.13E-06	1.24E-04
NM_000214	JAG1	9.25	-1.04	3.18E-06	1.26E-04
NM_030773	TUBB1	4.51	-1.52	3.21E-06	1.26E-04
NM_024336	IRX3	10.87	-1.20	3.21E-06	1.26E-04
NM_203411	TMEM88	8.50	-1.01	3.21E-06	1.26E-04
NM_014983	HMGXB3	9.32	1.44	3.21E-06	1.26E-04
NM_007162	TFEB	12.49	-1.10	3.23E-06	1.26E-04
NM_174977	SEC14L4	8.50	1.03	3.23E-06	1.26E-04
NM_145214	TRIM11	9.39	1.05	3.24E-06	1.26E-04
uc010pbf.2	LOC388692	6.64	1.23	3.25E-06	1.26E-04
NM_001014446	OCIAD2	11.90	-1.64	3.32E-06	1.28E-04
NM_001283054	STMN4	5.80	-1.04	3.32E-06	1.28E-04
NM_001129826	CSAG3	9.19	-1.67	3.35E-06	1.29E-04
NM_001005375	DAZ4	6.14	-1.54	3.35E-06	1.29E-04
NM_001001479	SLC35E4	8.93	1.11	3.36E-06	1.29E-04
NM_003106	SOX2	6.61	-1.48	3.37E-06	1.30E-04
NM_013275	ANKRD11	9.26	1.59	3.40E-06	1.30E-04
NM_017643	MBTD1	10.70	-1.19	3.41E-06	1.30E-04
NM_018660	ZNF395	14.06	-1.19	3.49E-06	1.33E-04
NM_020724	RNF150	7.11	-1.25	3.53E-06	1.34E-04
ENST00000539533	PCDHB17	6.17	4.12	3.57E-06	1.34E-04
NM_004308	ARHGAP1	8.08	-1.02	3.60E-06	1.35E-04
NM_153377	LRIG3	10.55	-1.01	3.60E-06	1.35E-04
NM_178450	3-Mar	13.42	1.20	3.61E-06	1.35E-04
NM_138813	ATP8B3	7.93	-1.11	3.62E-06	1.35E-04
NM_020116	FSTL5	6.91	-1.25	3.67E-06	1.36E-04
NM_000905	NPY	6.57	2.05	3.68E-06	1.37E-04
NM_001282489	USH1G	6.81	-1.24	3.74E-06	1.38E-04
NM_145913	SLC5A8	4.03	2.88	3.74E-06	1.38E-04
NM_018004	TMEM45A	12.71	-1.92	3.74E-06	1.38E-04
NM_016946	F11R	11.99	-1.26	3.77E-06	1.39E-04
NM_145032	FBXL13	8.58	1.14	3.79E-06	1.39E-04
ENST00000584919	RP11-41O4.1	8.60	1.98	3.79E-06	1.39E-04
NM_005920	MEF2D	7.46	1.21	3.80E-06	1.39E-04
NM_030652	EGFL8	8.82	1.97	3.79E-06	1.39E-04
ENST00000377658	KLHL21	7.21	1.45	3.85E-06	1.41E-04
NM_004098	EMX2	7.31	-1.18	3.91E-06	1.42E-04
NM_006091	CORO2B	7.95	1.30	3.93E-06	1.42E-04
NM_030641	APOL6	8.75	1.59	3.92E-06	1.42E-04
NM_002561	P2RX5	11.51	1.10	3.93E-06	1.42E-04
ENST00000439765	AC006547.14	7.23	3.78	3.95E-06	1.42E-04
NM_015658	NOC2L	10.36	1.06	3.96E-06	1.43E-04
NM_006062	SMYD5	8.76	1.17	3.97E-06	1.43E-04
NM_000519	HBD	5.59	-1.93	3.99E-06	1.43E-04
NM_001142568	BBX	14.05	-1.03	4.00E-06	1.44E-04
NM_005980	S100P	7.30	-1.21	4.04E-06	1.44E-04
NM_001006121	RBM1Y1B	10.11	-2.35	4.15E-06	1.47E-04
NM_003275	TMOD1	9.00	-1.37	4.19E-06	1.47E-04
NM_002474	MYH11	6.44	-1.30	4.18E-06	1.47E-04
NM_016150	ASB2	10.79	-1.29	4.18E-06	1.47E-04
NM_003021	SGTA	9.99	1.04	4.19E-06	1.47E-04
NM_001031628	SMAGP	9.17	1.29	4.19E-06	1.47E-04
NM_003450	ZNF174	9.35	1.29	4.25E-06	1.49E-04
NM_000598	IGFBP3	6.59	1.26	4.26E-06	1.49E-04
NM_001306084	CFAP54	8.08	-1.14	4.28E-06	1.50E-04

NM_021247	PRM3	6.06	-1.60	4.35E-06	1.51E-04
NM_001003750	OR8I2	5.71	-1.16	4.35E-06	1.51E-04
NM_004039	ANXA2	16.43	1.16	4.36E-06	1.51E-04
NM_016639	TNFRSF12A	13.68	1.20	4.37E-06	1.52E-04
NM_138370	PKDCC	12.08	-1.33	4.39E-06	1.52E-04
NM_000676	ADORA2B	9.68	1.09	4.39E-06	1.52E-04
NM_000445	PLEC	12.12	1.23	4.41E-06	1.52E-04
NM_001001936	AFAP1L2	13.92	-1.29	4.44E-06	1.53E-04
NM_020685	C3orf14	8.21	-1.47	4.46E-06	1.53E-04
NM_001278543	C8B	4.23	-1.26	4.46E-06	1.53E-04
NM_152909	ZNF548	5.71	-1.15	4.47E-06	1.53E-04
NM_022168	IFIH1	11.90	-1.03	4.54E-06	1.55E-04
NM_005170	ASCL2	10.63	-1.11	4.55E-06	1.55E-04
NM_001555	IGSF1	5.39	-2.36	4.56E-06	1.56E-04
NM_145265	CCDC127	12.15	2.11	4.57E-06	1.56E-04
NM_138499	PWWP2B	8.44	1.01	4.58E-06	1.56E-04
NM_144498	OSBPL2	10.95	2.87	4.70E-06	1.58E-04
NM_004811	LPXN	4.91	1.65	4.74E-06	1.59E-04
NM_016433	GLTP	10.71	1.03	4.91E-06	1.63E-04
NM_020433	JPH2	9.91	-1.24	4.94E-06	1.64E-04
NM_206948	TRPM3	7.26	1.24	5.00E-06	1.65E-04
NM_020784	TXNDC16	12.07	-1.08	5.06E-06	1.66E-04
uc002ica.2	LINC00671	6.07	-1.05	5.06E-06	1.66E-04
NM_003619	PRSS12	11.89	-1.13	5.12E-06	1.68E-04
uc011ljo.2	COL22A1	6.98	-1.72	5.16E-06	1.68E-04
NM_006440	TXNRD2	7.49	1.26	5.16E-06	1.68E-04
ENST00000452801	AC104667.3	5.86	2.19	5.14E-06	1.68E-04
NM_001143833	IQCF6	5.56	-1.76	5.24E-06	1.69E-04
NM_021077	NMB	12.69	-1.11	5.26E-06	1.70E-04
NM_144974	CCDC122	7.57	1.14	5.29E-06	1.70E-04
NM_001042573	ENGASE	8.41	1.05	5.34E-06	1.72E-04
NM_139318	KCNH5	6.88	1.21	5.42E-06	1.73E-04
NM_006851	GLIPR1	12.80	2.00	5.50E-06	1.75E-04
NM_018168	C14orf105	5.92	-1.08	5.51E-06	1.75E-04
NM_173472	FANCD2OS	5.56	-1.86	5.59E-06	1.76E-04
NM_006006	ZBTB16	13.22	-1.54	5.60E-06	1.76E-04
NM_178508	C6orf1	10.56	1.01	5.60E-06	1.76E-04
NM_004327	BCR	10.32	1.14	5.65E-06	1.77E-04
NM_020190	OLFML3	8.99	-1.35	5.71E-06	1.78E-04
NM_004155	SERPINB9	10.95	-1.09	5.73E-06	1.78E-04
NM_032840	SPRYD3	9.65	1.02	5.72E-06	1.78E-04
NM_000133	F9	4.79	3.70	5.72E-06	1.78E-04
NM_001675	ATF4	15.29	1.33	5.84E-06	1.80E-04
NM_000610	CD44	15.70	1.05	5.85E-06	1.80E-04
NM_175735	LYG2	6.39	1.10	5.90E-06	1.81E-04
NM_197941	ADAMTS6	9.74	1.37	5.89E-06	1.81E-04
NM_017990	PDPR	7.66	1.02	5.95E-06	1.82E-04
NM_001426	EN1	5.49	-1.52	5.97E-06	1.82E-04
NM_002309	LIF	11.07	1.20	5.97E-06	1.82E-04
NM_144618	GABPB2	8.38	1.84	6.09E-06	1.84E-04
NM_002851	PTPRZ1	6.25	-1.50	6.17E-06	1.85E-04
NM_005202	COL8A2	7.37	1.13	6.17E-06	1.85E-04
NM_025179	PLXNA2	7.96	1.45	6.16E-06	1.85E-04
NM_005990	STK10	10.89	1.30	6.18E-06	1.85E-04
NM_021135	RPS6KA2	8.14	1.52	6.26E-06	1.86E-04

NM_148170	CTSC	13.54	1.11	6.36E-06	1.88E-04
NM_001004354	NRARP	10.30	-1.17	6.37E-06	1.88E-04
NM_001104631	PDE4D	6.70	1.09	6.38E-06	1.88E-04
NM_002837	PTPRB	9.95	-1.15	6.41E-06	1.88E-04
ENST00000558425	RP11-812E19.9	6.11	-1.11	6.41E-06	1.88E-04
NM_001270379	ANKRD46	7.28	-1.05	6.41E-06	1.88E-04
NM_023110	FGFR1	9.99	1.02	6.40E-06	1.88E-04
NM_003680	YARS	15.98	1.57	6.42E-06	1.88E-04
NM_012194	KIAA1549L	6.45	1.31	6.43E-06	1.88E-04
NM_052862	RCSD1	7.81	-1.38	6.48E-06	1.89E-04
NM_002090	CXCL3	9.74	1.09	6.48E-06	1.89E-04
NM_002593	PCOLCE	14.42	-1.07	6.64E-06	1.92E-04
NM_000849	GSTM3	9.53	-1.41	6.67E-06	1.93E-04
NM_004419	DUSP5	10.49	1.31	6.66E-06	1.93E-04
NM_001005324	OR10V1	5.34	1.73	6.67E-06	1.93E-04
NM_024913	CPED1	8.94	1.26	6.70E-06	1.93E-04
NM_080862	SPSB4	7.15	1.29	6.71E-06	1.93E-04
NM_003486	SLC7A5	6.98	1.93	6.71E-06	1.93E-04
NM_001873	CPE	11.37	-1.05	6.73E-06	1.94E-04
NM_017553	INO80	11.56	1.05	6.81E-06	1.95E-04
NM_005860	FSTL3	9.97	1.31	6.82E-06	1.95E-04
NM_152462	SLC35G3	5.17	1.76	6.82E-06	1.95E-04
NM_003235	TG	9.97	-1.12	6.83E-06	1.95E-04
NM_130771	OSCAR	8.36	1.14	6.85E-06	1.95E-04
NM_001002901	FCRLB	6.18	1.58	6.89E-06	1.96E-04
NM_005632	CAPN15	7.69	1.22	6.96E-06	1.97E-04
NM_207370	GPR153	14.66	-1.20	6.98E-06	1.98E-04
NM_003810	TNFSF10	6.96	2.47	7.04E-06	1.99E-04
NM_000936	PNLIP	5.79	1.40	7.22E-06	2.02E-04
NM_175575	WFIKKN2	5.29	1.85	7.31E-06	2.03E-04
NM_002133	HMOX1	9.50	1.02	7.32E-06	2.03E-04
NM_152335	C15orf27	6.14	-1.54	7.37E-06	2.04E-04
NM_005923	MAP3K5	13.26	-1.24	7.47E-06	2.06E-04
NM_006317	BASP1	10.95	1.22	7.47E-06	2.06E-04
NM_004540	NCAM2	8.11	-1.89	7.51E-06	2.06E-04
NM_001878	CRABP2	8.30	-1.36	7.53E-06	2.06E-04
NM_016378	VCX2	5.14	3.61	7.54E-06	2.06E-04
NM_001397	ECE1	11.30	1.11	7.57E-06	2.07E-04
NM_001080512	BICC1	10.48	-1.05	7.59E-06	2.07E-04
NM_033129	SCRT2	4.42	-1.08	7.62E-06	2.08E-04
NM_002224	ITPR3	12.87	1.11	7.68E-06	2.08E-04
NM_015299	KHNYN	10.12	1.05	7.71E-06	2.09E-04
NM_024575	TNFAIP8L2	6.61	-1.17	7.73E-06	2.09E-04
NM_020747	ZNF608	10.29	-1.15	7.74E-06	2.09E-04
NM_001859	SLC31A1	12.17	2.91	7.86E-06	2.12E-04
NM_003629	PIK3R3	7.90	-1.30	7.92E-06	2.13E-04
NM_022103	ZNF667	12.34	-1.04	7.93E-06	2.13E-04
ENST00000269392	AZI1	9.04	1.18	7.94E-06	2.13E-04
NM_207362	KIAA1211L	8.02	-2.03	8.03E-06	2.15E-04
NM_006610	MASP2	6.30	-1.63	8.02E-06	2.15E-04
NM_001291454	ATP2C2	6.03	-1.22	8.03E-06	2.15E-04
ENST00000403226	AC091801.1	12.27	-1.04	8.06E-06	2.16E-04
NM_012334	MYO10	9.67	1.06	8.08E-06	2.16E-04
NM_001142501	MON1A	9.83	2.82	8.08E-06	2.16E-04

NM_020768	KCTD16	6.18	1.20	8.24E-06	2.19E-04
NM_022152	TMBIM1	12.24	1.04	8.37E-06	2.21E-04
NM_013261	PPARGC1A	7.20	-1.11	8.44E-06	2.22E-04
NM_007150	ZNF185	8.15	1.21	8.44E-06	2.22E-04
NM_001970	EIF5A	14.49	1.07	8.49E-06	2.23E-04
NM_002571	PAEP	7.04	-1.09	8.50E-06	2.23E-04
NM_002986	CCL11	4.84	-1.84	8.55E-06	2.24E-04
NM_006365	C1orf61	7.15	-1.15	8.56E-06	2.24E-04
NM_001144995	CCDC85C	9.96	1.08	8.56E-06	2.24E-04
NM_033397	ITPRIP	8.84	1.25	8.61E-06	2.25E-04
NM_014897	ZNF652	14.40	-1.28	8.68E-06	2.26E-04
ENST00000256257	RNF122	12.56	-1.06	8.89E-06	2.29E-04
NM_002226	JAG2	10.99	-1.21	8.92E-06	2.29E-04
NM_000201	ICAM1	8.02	1.01	8.92E-06	2.29E-04
ENST00000598428	AC016885.1	7.07	1.04	8.92E-06	2.29E-04
NM_001282509	TSPAN16	6.22	1.55	9.02E-06	2.30E-04
NM_000621	HTR2A	4.53	-1.64	9.06E-06	2.31E-04
NM_020761	RPTOR	8.88	1.12	9.10E-06	2.31E-04
NM_152243	CDC42EP1	7.57	1.40	9.11E-06	2.31E-04
NM_032727	INA	7.34	1.17	9.29E-06	2.35E-04
NM_152792	ASPRV1	10.61	-1.23	9.39E-06	2.36E-04
NM_145287	ZNF519	7.05	-1.34	9.40E-06	2.36E-04
NM_024642	GALNT12	12.30	1.43	9.50E-06	2.38E-04
NM_203403	LURAP1L	9.99	1.14	9.53E-06	2.38E-04
NM_004118	FOXS1	7.80	-1.35	9.55E-06	2.38E-04
NM_153252	BRWD3	11.36	-1.04	9.60E-06	2.39E-04
NM_198215	FAM13C	5.51	-1.75	9.93E-06	2.44E-04
uc001ayv.2	AX747988	13.29	-1.39	9.91E-06	2.44E-04
NM_001123364	METTL24	6.30	-1.36	9.90E-06	2.44E-04
NM_001017368	RFFL	8.02	1.17	9.90E-06	2.44E-04
NM_001127217	SMAD9	7.67	1.19	9.92E-06	2.44E-04
NM_173496	MPP7	11.90	-1.49	1.00E-05	2.44E-04
NM_012445	SPON2	7.52	-1.22	1.00E-05	2.44E-04
NM_002667	PLN	5.75	-1.04	1.01E-05	2.45E-04
NM_015327	SMG5	11.72	1.35	1.01E-05	2.45E-04
NM_006682	FGL2	5.99	1.04	1.01E-05	2.45E-04
NM_002977	SCN9A	6.51	1.06	1.01E-05	2.45E-04
NM_021916	ZNF70	10.48	1.47	1.03E-05	2.48E-04
NM_001438	ESRRG	9.19	-1.56	1.03E-05	2.48E-04
NM_005479	FRAT1	11.49	-1.06	1.03E-05	2.49E-04
NM_033386	MICALL1	12.35	1.38	1.05E-05	2.51E-04
NM_001080209	TMEM200C	6.74	1.40	1.05E-05	2.52E-04
NM_001024383	NAV3	6.80	1.60	1.06E-05	2.52E-04
NM_025059	CCDC170	7.90	1.67	1.06E-05	2.52E-04
NM_004684	SPARCL1	5.12	-2.07	1.07E-05	2.54E-04
NM_001971	CELA1	5.20	1.28	1.07E-05	2.55E-04
uc004cnm.1	WDR85	8.18	1.04	1.08E-05	2.55E-04
NM_015589	SAMD4A	10.29	1.19	1.08E-05	2.55E-04
NM_001001966	OR14A16	5.45	-1.05	1.09E-05	2.56E-04
NM_020371	AVEN	11.31	1.02	1.09E-05	2.56E-04
NM_005429	VEGFC	12.12	1.00	1.11E-05	2.59E-04
NM_173801	OOSP2	5.11	-1.41	1.11E-05	2.60E-04
NM_005746	NAMPT	13.73	1.13	1.11E-05	2.60E-04
NM_001004692	OR2T12	6.76	-1.39	1.14E-05	2.63E-04
NM_001136508	C1orf185	5.23	1.13	1.15E-05	2.65E-04

NM_012083	FRAT2	14.20	-1.11	1.16E-05	2.66E-04
uc001wdv.4	TRA@	5.43	1.85	1.16E-05	2.66E-04
NM_001113434	C17orf51	8.29	1.09	1.16E-05	2.67E-04
NM_003973	RPL14	7.55	1.01	1.19E-05	2.71E-04
NM_002653	PITX1	7.63	1.55	1.20E-05	2.72E-04
NM_014333	CADM1	8.22	-1.50	1.21E-05	2.73E-04
NM_003265	TLR3	6.49	-1.14	1.21E-05	2.73E-04
NM_031304	DOHH	7.38	1.28	1.21E-05	2.73E-04
NM_152505	LCA5L	5.77	1.21	1.22E-05	2.75E-04
uc010uaf.1	AK302306	5.66	1.15	1.23E-05	2.75E-04
NM_001003745	OR10A3	5.50	4.10	1.23E-05	2.75E-04
NM_001242815	C2orf91	7.23	-2.23	1.23E-05	2.76E-04
NM_021114	SPINK2	8.35	-1.12	1.23E-05	2.76E-04
NM_001198915	PPFIBP1	11.18	1.05	1.25E-05	2.79E-04
NM_181449	CD300E	5.77	-1.46	1.25E-05	2.79E-04
NM_001128933	SYNPO2	6.19	-1.72	1.26E-05	2.80E-04
NM_006122	MAN2A2	8.02	1.16	1.26E-05	2.80E-04
NM_015541	LRIG1	8.76	1.35	1.26E-05	2.80E-04
NM_015256	ACSL6	7.09	1.78	1.28E-05	2.82E-04
NM_005460	SNCAIP	9.73	-1.15	1.28E-05	2.82E-04
NM_018234	STEAP3	8.38	1.18	1.28E-05	2.82E-04
NM_001011	RPS7	7.95	1.17	1.31E-05	2.87E-04
NM_001532	SLC29A2	12.35	-1.82	1.33E-05	2.89E-04
NM_018953	HOXC5	12.10	-1.17	1.33E-05	2.90E-04
NM_178012	TUBB2B	11.82	-1.08	1.36E-05	2.94E-04
NM_007368	RASA3	6.61	1.07	1.38E-05	2.97E-04
NM_153426	PITX2	12.28	-1.23	1.38E-05	2.97E-04
NM_001005283	OR9Q2	7.52	1.11	1.39E-05	2.98E-04
NM_018558	GABRQ	8.83	-1.27	1.39E-05	2.98E-04
NM_001029874	REP15	11.60	2.77	1.39E-05	2.99E-04
NM_207514	DEF8	6.82	1.27	1.40E-05	2.99E-04
ENST00000595430	AL626787.1	7.16	-1.14	1.42E-05	3.02E-04
NM_013233	STK39	9.94	-1.39	1.43E-05	3.04E-04
NM_015419	MXRA5	8.53	-2.25	1.43E-05	3.04E-04
NM_001695	ATP6V1C1	12.58	1.17	1.44E-05	3.04E-04
NM_001166034	SBSN	10.22	1.13	1.44E-05	3.04E-04
NM_000186	CFH	11.23	-1.19	1.44E-05	3.05E-04
NM_021229	NTN4	11.26	1.51	1.44E-05	3.05E-04
NM_001300995	NOX4	4.34	1.76	1.45E-05	3.05E-04
uc004ady.3	AL953854.2-002	5.50	-1.55	1.45E-05	3.05E-04
NM_138815	DPPA2	5.40	1.87	1.47E-05	3.09E-04
NM_022843	PCDH20	8.19	-1.88	1.47E-05	3.09E-04
NM_022767	AEN	7.80	1.11	1.49E-05	3.12E-04
NM_001101341	SFTA3	7.20	-1.98	1.50E-05	3.14E-04
NM_004438	EPHA4	14.66	-1.15	1.51E-05	3.16E-04
NM_018937	PCDHB3	6.66	-1.09	1.52E-05	3.17E-04
NM_001099661	EIF3CL	13.28	1.12	1.52E-05	3.17E-04
NM_013363	PCOLCE2	6.67	-1.54	1.54E-05	3.19E-04
uc031qno.1	FLJ41484	8.86	-1.58	1.57E-05	3.24E-04
NM_199051	BRINP3	5.28	-1.06	1.57E-05	3.24E-04
NM_000826	GRIA2	6.06	-1.70	1.58E-05	3.25E-04
NM_144590	ANKRD22	5.85	1.78	1.58E-05	3.25E-04
NM_138995	MYO3B	5.32	-1.44	1.59E-05	3.26E-04
NM_017933	PID1	10.76	1.19	1.59E-05	3.26E-04

NM_138288	SPTSSA	13.46	-1.01	1.60E-05	3.27E-04
NM_015696	GPX7	6.60	-1.40	1.63E-05	3.32E-04
uc021sfx.1	LOC283685	6.94	2.53	1.64E-05	3.33E-04
NM_003558	PIP5K1B	6.38	-1.46	1.65E-05	3.33E-04
NM_001085437	C2orf54	5.63	-2.30	1.65E-05	3.33E-04
NM_030775	WNT5B	11.34	1.02	1.65E-05	3.33E-04
NM_018169	KIAA1551	11.82	-1.18	1.66E-05	3.35E-04
NM_032545	CFC1	7.20	1.84	1.67E-05	3.36E-04
NM_006393	NEBL	8.73	-1.19	1.68E-05	3.38E-04
ENST00000304311	DPCR1	5.93	-1.12	1.68E-05	3.38E-04
NM_000800	FGF1	10.31	1.51	1.69E-05	3.38E-04
ENST00000597278	AL009178.1	5.25	-1.14	1.70E-05	3.39E-04
NM_000363	TNNI3	9.22	-1.09	1.70E-05	3.39E-04
NM_000435	NOTCH3	13.58	-1.05	1.71E-05	3.40E-04
NM_006460	HEXIM1	13.85	-1.22	1.72E-05	3.41E-04
NM_207407	TMPRSS11F	5.94	1.06	1.72E-05	3.41E-04
NM_005345	HSPA1A	8.74	1.13	1.74E-05	3.44E-04
NM_003122	SPINK1	6.84	1.19	1.74E-05	3.44E-04
ENST00000502505	AC005609.1	7.17	1.22	1.74E-05	3.44E-04
NM_001282275	PRAC2	6.88	-1.14	1.75E-05	3.44E-04
NM_018899	PCDHAC2	5.10	-1.23	1.75E-05	3.46E-04
NM_001204375	NPR3	9.20	-1.46	1.76E-05	3.46E-04
NM_005667	RNF103	13.87	-1.13	1.78E-05	3.49E-04
NM_003047	SLC9A1	9.05	1.04	1.78E-05	3.49E-04
NM_001198986	EPPIN-WFDC6	6.25	-1.01	1.79E-05	3.49E-04
NM_138410	CMTM7	11.20	1.12	1.79E-05	3.49E-04
NM_152687	GAPT	6.68	1.04	1.79E-05	3.50E-04
NM_001164442	FAM159B	6.95	-1.13	1.80E-05	3.50E-04
NM_175634	RUNX1T1	7.20	-1.06	1.80E-05	3.50E-04
NM_003877	SOCS2	9.16	-1.03	1.81E-05	3.52E-04
NM_024954	UBTD1	9.56	1.10	1.84E-05	3.56E-04
NM_012301	MAGI2	11.88	-1.09	1.85E-05	3.57E-04
NM_001039029	LRTM2	5.79	-1.48	1.85E-05	3.57E-04
NM_013241	FHOD1	12.72	-1.22	1.85E-05	3.57E-04
NM_000758	CSF2	6.65	1.16	1.87E-05	3.59E-04
NM_001163922	VSIG10L	9.98	-1.04	1.90E-05	3.62E-04
NM_000862	HSD3B1	4.33	1.58	1.92E-05	3.65E-04
NM_080614	WFDC3	9.40	-1.27	1.92E-05	3.65E-04
NM_012373	OR3A3	6.64	-1.04	1.92E-05	3.65E-04
NM_000504	F10	11.90	-1.04	1.92E-05	3.65E-04
NM_020208	SLC6A20	6.21	1.37	1.93E-05	3.65E-04
NM_006907	PYCR1	10.69	1.39	1.93E-05	3.66E-04
NM_030956	TLR10	3.85	1.84	1.94E-05	3.67E-04
NM_018719	CDCA7L	15.67	-1.07	1.96E-05	3.70E-04
NM_014600	EHD3	6.77	1.01	1.97E-05	3.70E-04
NM_006767	LZTR1	8.22	1.09	1.97E-05	3.71E-04
NM_173563	FAM217A	5.10	1.11	2.00E-05	3.74E-04
NM_005269	GLI1	10.04	-1.37	2.02E-05	3.77E-04
NM_017954	CADPS2	11.82	-1.23	2.02E-05	3.77E-04
NM_005228	EGFR	9.07	1.06	2.05E-05	3.80E-04
NM_002282	KRT83	7.28	1.32	2.07E-05	3.83E-04
NM_001105572	PLA2G2C	7.84	-1.24	2.10E-05	3.86E-04
NM_024636	STEAP4	6.19	-1.06	2.11E-05	3.87E-04
NM_016292	TRAP1	11.46	1.17	2.11E-05	3.87E-04
NM_052964	CLNK	4.40	1.22	2.12E-05	3.88E-04

NM_001033017	DEFB135	5.56	-1.40	2.12E-05	3.89E-04
NM_001039724	NOSTRIN	5.09	-1.35	2.13E-05	3.89E-04
NM_003612	SEMA7A	13.56	1.22	2.14E-05	3.91E-04
ENST00000316412	PRAMEF20	6.50	-1.42	2.17E-05	3.93E-04
NM_019606	MEPCE	11.42	1.04	2.17E-05	3.94E-04
uc010uaj.1	LOC283767	5.22	1.23	2.18E-05	3.95E-04
NM_178562	TSPAN33	9.44	1.13	2.20E-05	3.98E-04
NM_002286	LAG3	9.52	-1.17	2.20E-05	3.98E-04
NM_015440	MTHFD1L	14.14	1.30	2.20E-05	3.98E-04
NM_001142784	IL11RA	10.44	-1.14	2.22E-05	3.99E-04
NM_033271	BTBD6	10.50	1.06	2.22E-05	4.00E-04
NM_000424	KRT5	5.63	-1.48	2.23E-05	4.01E-04
NM_001109977	FAM160A1	7.90	1.39	2.24E-05	4.03E-04
NM_003561	PLA2G10	5.44	1.23	2.24E-05	4.03E-04
NM_198471	KANK3	7.13	1.01	2.25E-05	4.04E-04
NM_005063	SCD	10.48	-1.02	2.25E-05	4.05E-04
NM_015444	TMEM158	11.09	1.38	2.29E-05	4.09E-04
NM_018354	TMEM74B	10.02	-1.26	2.30E-05	4.10E-04
NM_015169	RRS1	9.47	1.10	2.34E-05	4.14E-04
NM_001166692	C11orf91	6.51	1.21	2.34E-05	4.15E-04
NM_144975	SLFN5	8.40	1.19	2.35E-05	4.16E-04
NM_054034	FN1	11.30	1.26	2.41E-05	4.24E-04
NM_014979	SV2C	6.17	1.79	2.42E-05	4.26E-04
NM_003239	TGFB3	10.52	-1.05	2.44E-05	4.29E-04
NM_001128326	BSPH1	5.00	-1.37	2.45E-05	4.29E-04
NM_033341	BIRC8	7.07	1.05	2.46E-05	4.30E-04
NM_003702	RGS20	9.70	1.31	2.48E-05	4.32E-04
NM_001139444	TRAPPC3L	5.60	-1.85	2.50E-05	4.35E-04
NM_005596	NFIB	8.94	-1.36	2.50E-05	4.35E-04
NM_033214	GK2	4.90	-1.20	2.53E-05	4.38E-04
NM_005041	PRF1	6.79	-1.17	2.55E-05	4.40E-04
uc010vgb.2	BC068290	13.30	-1.15	2.55E-05	4.40E-04
NM_000324	RHAG	7.77	1.07	2.55E-05	4.40E-04
NM_007030	TPPP	13.24	-1.04	2.57E-05	4.42E-04
NM_022336	EDAR	7.47	1.57	2.57E-05	4.42E-04
NM_006918	SC5D	9.23	-1.11	2.57E-05	4.42E-04
NM_133468	BMPER	7.80	1.22	2.58E-05	4.43E-04
NM_052841	TSSK3	4.97	-1.14	2.61E-05	4.45E-04
NM_000772	CYP2C18	6.58	3.32	2.61E-05	4.46E-04
NM_000857	GUCY1B3	10.42	-1.14	2.61E-05	4.46E-04
NM_032409	PINK1	12.72	1.08	2.62E-05	4.47E-04
NM_019117	KLHL4	11.61	-1.24	2.63E-05	4.48E-04
NM_032276	RHBDD1	8.51	1.22	2.63E-05	4.48E-04
NM_017671	FERMT1	8.51	1.40	2.65E-05	4.49E-04
NM_012240	SIRT4	9.67	-1.00	2.66E-05	4.51E-04
NM_005542	INSIG1	13.31	-1.80	2.72E-05	4.58E-04
NM_001011700	MCCD1	5.25	1.16	2.72E-05	4.58E-04
NM_015059	TLN2	9.43	1.26	2.73E-05	4.58E-04
NM_145172	WDR63	8.18	-1.04	2.74E-05	4.61E-04
NM_080616	NOL4L	12.75	-1.26	2.81E-05	4.68E-04
NM_173078	SLITRK4	11.13	-1.53	2.82E-05	4.70E-04
NM_033378	CGB2	8.05	1.89	2.83E-05	4.70E-04
NM_001277053	TRABD2A	13.65	-1.09	2.84E-05	4.71E-04
NM_002422	MMP3	6.42	1.11	2.84E-05	4.71E-04
NM_001548	IFIT1	12.05	-1.63	2.85E-05	4.72E-04

NM_001040129	SPINK13	5.81	-2.02	2.85E-05	4.72E-04
NM_012188	FOX11	6.48	-1.48	2.86E-05	4.73E-04
NM_001009606	HS3ST6	5.46	-1.06	2.87E-05	4.73E-04
NM_001004476	OR10K2	6.26	1.47	2.86E-05	4.73E-04
NM_052831	SLC18B1	12.04	-1.03	2.87E-05	4.73E-04
NM_001080518	LIPK	3.73	1.98	2.88E-05	4.74E-04
uc001sos.4	BC033961	13.23	-1.01	2.89E-05	4.75E-04
NM_006636	MTHFD2	14.80	1.36	2.90E-05	4.76E-04
NM_001267571	TBC1D2	8.37	1.21	2.92E-05	4.79E-04
NM_017993	ENOX1	8.71	1.13	2.94E-05	4.81E-04
NM_182496	CCDC38	5.20	-1.19	2.95E-05	4.81E-04
NM_024721	ZFHX4	12.14	-1.15	2.95E-05	4.81E-04
NM_019035	PCDH18	10.59	-1.51	2.96E-05	4.82E-04
NM_003959	HIP1R	9.79	1.04	2.97E-05	4.84E-04
NM_182924	MICALL2	13.93	-1.38	3.00E-05	4.87E-04
NM_053283	DCD	6.65	1.69	3.00E-05	4.87E-04
NM_174928	N6AMT2	8.49	1.19	3.02E-05	4.89E-04
NM_002912	REV3L	13.08	-1.02	3.02E-05	4.89E-04
NM_014883	FAM13A	13.16	-1.31	3.03E-05	4.91E-04
ENST00000594963	AL161784.1	7.19	-1.30	3.03E-05	4.91E-04
NM_015340	LARS2	9.36	1.03	3.05E-05	4.92E-04
uc022ajm.1	AK301666	9.82	-1.16	3.06E-05	4.93E-04
NM_001554	CYR61	12.58	1.25	3.07E-05	4.93E-04
NM_006632	SLC17A3	4.29	1.51	3.07E-05	4.93E-04
NM_003407	ZFP36	7.60	1.10	3.10E-05	4.96E-04
ENST00000598338	AC119673.1	6.76	-1.05	3.13E-05	5.00E-04
NM_031936	GPR61	6.21	-2.25	3.16E-05	5.00E-04
NM_004664	LIN7A	9.41	-1.01	3.15E-05	5.00E-04
NM_021828	HPSE2	7.41	-2.22	3.23E-05	5.07E-04
NM_001130448	C15orf62	8.68	-1.85	3.24E-05	5.09E-04
NM_001195226	PRODH	7.53	-1.19	3.31E-05	5.15E-04
NM_003637	ITGA10	6.57	1.23	3.33E-05	5.16E-04
NM_002118	HLA-DMB	9.53	-1.57	3.36E-05	5.20E-04
NM_001145712	NUPR1L	5.89	1.11	3.36E-05	5.20E-04
NM_203434	IER5L	10.37	-1.01	3.37E-05	5.20E-04
NM_000574	CD55	12.00	1.28	3.39E-05	5.22E-04
NM_181712	KANK4	5.04	1.23	3.45E-05	5.29E-04
NM_138455	CTHRC1	6.35	-1.83	3.46E-05	5.29E-04
NM_001017920	DAPL1	7.07	-1.35	3.48E-05	5.31E-04
NM_024746	HHIPL2	9.41	-1.04	3.51E-05	5.33E-04
NM_006946	SPTBN2	5.90	1.15	3.51E-05	5.33E-04
NM_001004464	OR10G8	5.97	-1.52	3.56E-05	5.39E-04
NM_001257309	KRTAP29-1	6.47	1.03	3.62E-05	5.45E-04
NM_004767	GPR37L1	7.20	1.03	3.64E-05	5.48E-04
NM_005556	KRT7	11.32	1.14	3.65E-05	5.48E-04
NM_014630	ZNF592	10.44	1.02	3.67E-05	5.51E-04
ENST00000378545	C1orf86	14.60	1.18	3.68E-05	5.52E-04
NM_003116	SPAG4	12.63	-1.19	3.69E-05	5.53E-04
NM_005147	DNAJA3	10.84	1.19	3.73E-05	5.56E-04
NM_024594	PANK3	12.96	-1.01	3.74E-05	5.57E-04
NM_002055	GFAP	4.60	-1.14	3.74E-05	5.57E-04
NM_004673	ANGPTL1	7.39	-1.41	3.75E-05	5.58E-04
NM_003474	ADAM12	11.98	-1.06	3.75E-05	5.58E-04
NM_152704	AMER2	6.55	1.39	3.80E-05	5.62E-04
NM_001017930	DCAF8L1	5.35	-1.60	3.82E-05	5.63E-04

NM_002394	SLC3A2	14.18	1.79	3.83E-05	5.63E-04
NM_002359	MAFG	8.39	1.12	3.84E-05	5.65E-04
NM_181847	AMIGO2	11.51	1.48	3.85E-05	5.65E-04
NM_006533	MIA	10.24	-1.04	3.87E-05	5.67E-04
NM_001184772	BCORL1	9.51	-1.12	3.93E-05	5.73E-04
NM_014330	PPP1R15A	16.73	1.08	3.98E-05	5.77E-04
NM_178134	CYP4Z1	6.23	-1.78	3.99E-05	5.77E-04
NM_001353	AKR1C1	10.64	1.04	3.99E-05	5.77E-04
NM_182663	RASSF5	12.43	-1.25	4.04E-05	5.82E-04
NM_001199012	STPG1	10.53	1.08	4.04E-05	5.82E-04
NM_152304	RAB42	9.35	-1.10	4.05E-05	5.82E-04
NM_002037	FYN	14.43	1.08	4.06E-05	5.83E-04
NM_015374	SUN2	11.78	1.11	4.06E-05	5.83E-04
NM_030882	APOL2	9.59	1.13	4.08E-05	5.85E-04
NM_006671	SLC1A7	8.29	-2.41	4.10E-05	5.87E-04
NM_014210	EVI2A	6.65	1.60	4.17E-05	5.94E-04
NM_001080393	GXYLT2	11.76	-1.02	4.25E-05	6.02E-04
NM_001010872	FAM83B	5.83	1.46	4.25E-05	6.02E-04
NM_000204	CFI	7.63	-1.33	4.29E-05	6.05E-04
NM_153021	PLB1	6.97	-1.11	4.32E-05	6.07E-04
NM_030945	C1QTNF3	11.12	-1.28	4.36E-05	6.11E-04
NM_001007089	RESP18	5.23	-1.37	4.37E-05	6.13E-04
NM_205848	SYT6	6.58	-1.04	4.45E-05	6.20E-04
NM_024979	MCF2L	8.79	1.08	4.46E-05	6.21E-04
uc021vfb.1	C2orf53	5.26	-1.03	4.51E-05	6.26E-04
ENST00000529278	RP11-315O6.2	4.44	1.18	4.52E-05	6.26E-04
NM_001674	ATF3	10.42	1.63	4.54E-05	6.29E-04
ENST00000375671	RP11-410N8.4	5.35	-1.08	4.66E-05	6.40E-04
NM_020707	HHATL	6.08	-1.07	4.70E-05	6.44E-04
NM_014353	RAB26	8.94	-1.11	4.74E-05	6.47E-04
NM_015529	MOXD1	13.79	-1.07	4.75E-05	6.47E-04
ENST00000593798	AC007382.1	11.85	-1.20	4.77E-05	6.49E-04
NM_001002	RPLP0	5.26	-1.16	4.84E-05	6.56E-04
NM_145205	HMGB4	4.55	1.40	4.87E-05	6.60E-04
NM_004780	TCEAL1	11.38	-1.12	4.89E-05	6.61E-04
NM_002646	PIK3C2B	10.59	-1.27	4.92E-05	6.64E-04
NM_000816	GABRG2	6.69	-1.26	4.93E-05	6.65E-04
NM_001080434	LMTK3	13.20	-1.26	5.00E-05	6.71E-04
NM_001146336	TMEM114	6.71	-1.77	5.11E-05	6.79E-04
NM_018018	SLC38A4	8.25	-1.19	5.11E-05	6.79E-04
NM_014286	NCS1	7.87	1.16	5.11E-05	6.79E-04
NM_197947	CLEC7A	5.26	1.28	5.11E-05	6.79E-04
NM_032229	SLITRK6	6.95	-1.40	5.16E-05	6.83E-04
NM_004772	NREP	16.50	-1.09	5.30E-05	6.95E-04
NM_006513	SARS	15.56	1.36	5.34E-05	6.98E-04
NM_001010980	NCMAP	6.09	-1.59	5.38E-05	7.01E-04
NM_003105	SORL1	8.85	-1.11	5.45E-05	7.08E-04
NM_001277333	ANKRD62	7.53	-1.58	5.46E-05	7.09E-04
NM_000859	HMGCR	12.68	-1.37	5.46E-05	7.09E-04
ENST00000597412	AC018445.1	5.86	1.09	5.47E-05	7.09E-04
uc021rvp.1	AV4S1	4.80	1.26	5.54E-05	7.13E-04
NM_004712	HGS	11.18	1.12	5.59E-05	7.18E-04
NM_001081552	SPAG11A	4.35	-1.31	5.62E-05	7.21E-04
NM_012368	OR2C1	7.97	1.29	5.69E-05	7.27E-04
NM_144577	CCDC114	8.39	-1.16	5.76E-05	7.32E-04

ENST00000445360	LRRC9	5.83	1.72	5.78E-05	7.34E-04
NM_174938	FRMD3	11.04	1.04	5.90E-05	7.45E-04
NM_014208	DSPP	5.78	1.01	5.95E-05	7.51E-04
NM_020911	PLXNA4	5.27	-1.45	6.04E-05	7.58E-04
NM_003055	SLC18A3	9.89	-1.12	6.14E-05	7.68E-04
NM_001562	IL18	6.29	1.71	6.15E-05	7.68E-04
NM_006257	PRKCQ	8.31	-1.39	6.18E-05	7.70E-04
NM_032787	ADGRG7	6.92	-1.53	6.20E-05	7.71E-04
NM_004172	SLC1A3	6.58	-1.14	6.20E-05	7.71E-04
NM_000640	IL13RA2	4.93	1.59	6.24E-05	7.74E-04
NM_001171623	VEGFA	10.98	1.03	6.27E-05	7.76E-04
NM_004088	DNNT	5.47	1.21	6.29E-05	7.79E-04
NM_004073	PLK3	10.95	1.05	6.43E-05	7.90E-04
NM_173629	DYNAP	4.33	1.38	6.44E-05	7.90E-04
NM_173630	RTTN	14.03	1.00	6.47E-05	7.93E-04
NM_019897	OR2S2	5.33	-1.54	6.48E-05	7.94E-04
NM_001389	DSCAM	5.16	1.76	6.62E-05	8.04E-04
NM_004975	KCNB1	6.75	-1.58	6.78E-05	8.17E-04
NM_021992	TMSB15A	13.42	-1.42	6.84E-05	8.20E-04
NM_002148	HOXD10	11.74	-1.12	6.84E-05	8.20E-04
NM_031473	IFT81	12.26	1.31	6.83E-05	8.20E-04
NM_015404	DFNB31	14.25	-1.07	6.84E-05	8.20E-04
NM_148896	NPB	9.85	-1.13	7.02E-05	8.33E-04
NM_014009	FOXP3	5.48	1.08	7.04E-05	8.35E-04
NM_006608	PHTF1	12.30	-1.19	7.05E-05	8.35E-04
NM_014258	SYCP2	7.87	-1.08	7.06E-05	8.35E-04
NM_001042575	TMPRSS7	7.50	-1.24	7.11E-05	8.39E-04
NM_021154	PSAT1	7.75	1.25	7.19E-05	8.45E-04
NM_001242780	LOC100506388	4.87	-1.13	7.26E-05	8.50E-04
NM_181457	PAX3	5.14	-1.25	7.34E-05	8.56E-04
NM_001543	NDST1	8.23	1.18	7.34E-05	8.56E-04
NM_000749	CHRN3	7.24	-1.01	7.36E-05	8.57E-04
NM_005417	SRC	9.48	1.01	7.47E-05	8.66E-04
NM_003784	SERPIN7	6.61	1.82	7.52E-05	8.70E-04
NM_003896	ST3GAL5	14.31	-1.33	7.58E-05	8.74E-04
NM_001282695	FAM107B	8.58	1.22	7.65E-05	8.79E-04
ENST00000456890	AC006455.1	5.31	1.10	7.72E-05	8.85E-04
NM_031200	CCR9	5.59	1.42	7.74E-05	8.86E-04
NM_002220	ITPKA	7.89	1.16	7.81E-05	8.91E-04
NM_001291784	GRIFIN	7.23	1.99	7.86E-05	8.95E-04
NM_032350	C7orf50	11.58	1.06	7.94E-05	9.01E-04
NM_172006	WFDC10B	10.21	-1.66	7.95E-05	9.01E-04
NM_001029883	C2orf71	6.45	-1.65	7.94E-05	9.01E-04
NM_006495	EVI2B	8.00	1.15	7.99E-05	9.05E-04
NM_014622	VWA5A	7.57	1.09	8.09E-05	9.14E-04
uc021sqz.1	AX747193	8.22	-1.02	8.15E-05	9.18E-04
NM_006623	PHGDH	16.14	1.25	8.28E-05	9.28E-04
NM_001206920	SLC35F4	10.82	-2.33	8.33E-05	9.31E-04
NM_004429	EFNB1	7.50	1.11	8.35E-05	9.32E-04
NM_001804	CDX1	4.91	-1.05	8.42E-05	9.37E-04
NM_002279	KRT33B	9.58	1.41	8.65E-05	9.52E-04
NM_022833	FAM129B	12.88	1.20	8.74E-05	9.60E-04
NM_001078173	FAM127C	11.52	-1.19	8.76E-05	9.62E-04
NM_000071	CBS	11.80	1.43	8.78E-05	9.63E-04
NM_016602	CCR10	12.87	-3.45	8.91E-05	9.71E-04

NM_001216	CA9	5.83	-1.04	8.95E-05	9.74E-04
NM_023915	GPR87	9.38	-1.13	9.21E-05	9.96E-04
NM_001080470	ZNF697	6.73	1.81	9.22E-05	9.96E-04
NM_005412	SHMT2	15.28	1.16	9.25E-05	9.99E-04
NM_007047	BTN3A2	11.04	-1.12	9.39E-05	1.01E-03
NM_032539	SLITRK2	6.45	-1.29	9.50E-05	1.02E-03
NM_006683	EDDM3A	4.99	1.15	9.52E-05	1.02E-03
NM_012286	MORF4L2	11.70	-1.06	9.55E-05	1.02E-03
NM_001039792	HRCT1	13.68	-1.13	9.65E-05	1.03E-03
NM_017831	RNF125	6.87	1.24	9.72E-05	1.03E-03
NM_031949	TTLL2	5.26	-1.43	9.78E-05	1.04E-03
NM_001477	GAGE12I	5.15	1.23	9.90E-05	1.05E-03
NM_001184714	SLAMF6	7.31	1.06	9.95E-05	1.05E-03
NM_000341	SLC3A1	6.51	-1.56	1.01E-04	1.06E-03
ENST00000377406	FAM203B	5.69	1.25	1.02E-04	1.07E-03
uc031rzy.1	AB209621	5.55	1.46	1.02E-04	1.07E-03
NM_001294335	ADGRB2	14.61	-1.04	1.03E-04	1.07E-03
NM_006612	KIF1C	10.30	1.01	1.04E-04	1.08E-03
NM_001291556	PCK2	14.07	1.90	1.05E-04	1.09E-03
NM_203405	KRTAP26-1	6.91	-1.28	1.06E-04	1.10E-03
NM_000227	LAMA3	10.78	-1.15	1.06E-04	1.10E-03
NM_000558	HBA1	7.38	-1.33	1.07E-04	1.10E-03
NM_016943	TAS2R3	4.36	-1.37	1.08E-04	1.11E-03
NM_001171909	CXorf40A	12.84	-1.18	1.09E-04	1.12E-03
NM_005321	HIST1H1E	11.05	1.10	1.09E-04	1.12E-03
NM_001257268	RD3L	5.05	1.62	1.09E-04	1.12E-03
NM_005080	XBP1	14.69	1.35	1.09E-04	1.12E-03
NM_002516	NOVA2	11.07	-1.03	1.10E-04	1.13E-03
NM_012338	TSPAN12	9.42	-1.06	1.13E-04	1.15E-03
NM_001256067	NOXA1	11.19	-1.22	1.13E-04	1.15E-03
NM_004934	CDH18	13.59	-1.32	1.13E-04	1.15E-03
NM_001014291	SPRR2G	4.52	1.88	1.14E-04	1.15E-03
ENST00000370287	CSAG1	8.13	-1.31	1.14E-04	1.15E-03
NM_001166663	CD244	5.89	1.09	1.16E-04	1.16E-03
NM_018651	ZKSCAN7	4.90	-1.72	1.19E-04	1.19E-03
NM_005275	GNL1	12.59	-1.08	1.19E-04	1.19E-03
NM_001005356	POTEG	5.76	1.98	1.21E-04	1.20E-03
NM_001806	CEBPG	14.36	1.19	1.23E-04	1.21E-03
NM_000611	CD59	13.22	1.04	1.27E-04	1.24E-03
NM_031956	TTC29	8.39	1.18	1.28E-04	1.24E-03
NM_002240	KCNJ6	6.06	1.69	1.29E-04	1.25E-03
ENST00000594609	AL590714.1	6.16	-1.53	1.29E-04	1.25E-03
NM_004529	MLLT3	10.68	-1.08	1.30E-04	1.25E-03
NM_001035	RYR2	5.81	1.14	1.30E-04	1.26E-03
NM_016509	CLEC1B	5.16	-1.49	1.32E-04	1.27E-03
NM_001005204	OR8U1	7.13	-1.15	1.32E-04	1.27E-03
NM_198508	KLRG2	4.56	-2.03	1.33E-04	1.27E-03
NM_005855	RAMP1	7.39	-1.17	1.34E-04	1.28E-03
NM_170774	RASSF2	12.81	-1.05	1.35E-04	1.29E-03
NM_001004734	OR14I1	5.11	-1.02	1.37E-04	1.30E-03
NM_001293172	LOC102724957	5.34	-1.08	1.37E-04	1.30E-03
NM_001080545	PPP1R1C	8.37	1.32	1.37E-04	1.30E-03
NM_030976	KRTAP4-6	4.69	-2.27	1.39E-04	1.31E-03
NM_001164446	C6orf132	7.75	1.62	1.40E-04	1.32E-03
NM_172139	IFNL3	7.78	-1.07	1.42E-04	1.33E-03

NM_207341	ZP1	12.21	-1.18	1.43E-04	1.34E-03
NM_001270396	GLIPR1L2	6.22	1.16	1.43E-04	1.34E-03
NM_006113	VAV3	7.18	-1.30	1.44E-04	1.34E-03
NM_000223	KRT12	4.23	1.23	1.46E-04	1.35E-03
NM_145234	CHRDL1	8.97	-1.20	1.46E-04	1.35E-03
NM_001285460	IQGAP2	10.46	-1.05	1.46E-04	1.35E-03
NM_012067	AKR7A3	10.41	-1.02	1.46E-04	1.35E-03
NM_002079	GOT1	15.43	1.01	1.48E-04	1.36E-03
NM_152547	BTNL9	8.63	-1.00	1.48E-04	1.36E-03
NM_001292009	EYS	5.45	2.54	1.48E-04	1.36E-03
NM_000475	NR0B1	5.77	-1.78	1.50E-04	1.38E-03
NM_144701	IL23R	5.54	1.11	1.52E-04	1.38E-03
NM_020987	ANK3	12.69	-1.35	1.52E-04	1.39E-03
NM_001302819	C22orf24	5.72	1.34	1.54E-04	1.40E-03
NM_032812	PLXDC2	6.95	1.03	1.55E-04	1.40E-03
NM_004961	GABRE	8.28	-1.23	1.56E-04	1.41E-03
NM_181790	GPR142	8.50	-1.14	1.57E-04	1.41E-03
NM_198185	OVCH2	5.99	1.26	1.57E-04	1.41E-03
NM_004193	GBF1	12.95	-1.14	1.57E-04	1.41E-03
NM_002349	LY75	4.91	1.08	1.57E-04	1.42E-03
uc010qje.2	HKDC1	4.88	1.16	1.60E-04	1.43E-03
NM_004184	WARS	14.08	1.11	1.63E-04	1.45E-03
NM_052941	GBP4	6.90	-1.11	1.63E-04	1.45E-03
NM_001856	COL16A1	13.33	-1.10	1.65E-04	1.46E-03
NM_012134	LMOD1	7.01	-1.29	1.65E-04	1.46E-03
NM_000591	CD14	13.66	-1.08	1.67E-04	1.47E-03
ENST00000369941	TEX28P2	4.19	1.34	1.67E-04	1.47E-03
NM_003155	STC1	10.51	1.13	1.67E-04	1.47E-03
NM_000236	LIPC	10.30	-1.13	1.67E-04	1.47E-03
NM_005944	CD200	7.49	1.09	1.70E-04	1.48E-03
NM_014839	LPPR4	5.01	-1.52	1.72E-04	1.50E-03
NM_001004451	OR1J1	5.29	1.72	1.72E-04	1.50E-03
NM_020879	CCDC146	10.71	-1.14	1.74E-04	1.51E-03
NM_178820	FBXO27	4.19	-1.18	1.78E-04	1.53E-03
NM_001008409	TTLL9	7.20	-1.35	1.83E-04	1.57E-03
NM_176820	NLRP9	7.89	-1.12	1.84E-04	1.57E-03
NM_000042	APOH	5.51	-1.49	1.85E-04	1.58E-03
NM_000590	IL9	3.10	3.20	1.86E-04	1.58E-03
NM_001111285	IGF1	6.63	1.47	1.88E-04	1.59E-03
ENST00000356215	RP11-366L20.2	5.65	2.54	1.89E-04	1.60E-03
NM_022904	RASAL3	5.80	1.64	1.90E-04	1.61E-03
NM_032512	PDZD4	9.20	-1.62	1.92E-04	1.62E-03
NM_001081	CUBN	6.37	1.03	1.93E-04	1.62E-03
NM_147197	WFDC11	4.75	-1.15	1.95E-04	1.63E-03
uc001nok.2	AB231702	6.43	-1.37	1.98E-04	1.65E-03
NM_001277313	FMN1	5.60	1.53	1.99E-04	1.66E-03
NM_001126328	LNX1	6.08	-1.04	2.01E-04	1.66E-03
NM_173623	TTLL6	5.83	-1.34	2.03E-04	1.68E-03
NM_014619	GRIK4	5.51	-1.02	2.07E-04	1.70E-03
NM_004577	PSPH	12.87	1.13	2.08E-04	1.71E-03
NM_001924	GADD45A	15.26	1.19	2.12E-04	1.73E-03
NM_002854	PVALB	7.92	-1.72	2.12E-04	1.73E-03
NM_174978	C14orf39	5.87	1.08	2.13E-04	1.74E-03
NM_001122962	SIRPB2	6.08	1.40	2.15E-04	1.75E-03
NM_152721	DOK6	5.08	-1.90	2.18E-04	1.76E-03

NM_005624	CCL25	4.48	-1.33	2.18E-04	1.76E-03
NM_002425	MMP10	6.08	1.99	2.17E-04	1.76E-03
NM_001457	FLNB	13.85	1.06	2.20E-04	1.77E-03
uc003elf.1	AK125726	6.08	-1.21	2.22E-04	1.78E-03
NM_031911	C1QTNF7	4.46	2.40	2.28E-04	1.82E-03
NM_005835	SLC17A2	5.38	-1.56	2.28E-04	1.82E-03
NM_004416	DTX1	5.70	-1.04	2.29E-04	1.82E-03
NM_020133	AGPAT4	13.39	-1.39	2.30E-04	1.83E-03
NM_020666	CLK4	12.71	-1.10	2.32E-04	1.84E-03
NM_001034173	ALDH1L2	13.02	1.38	2.39E-04	1.88E-03
NM_005711	EDIL3	12.65	-1.08	2.42E-04	1.89E-03
NM_001199050	LEMD1	5.16	-1.51	2.42E-04	1.89E-03
NM_033413	LRRC46	6.79	1.01	2.42E-04	1.89E-03
NM_018921	PCDHGA9	6.86	-1.10	2.51E-04	1.94E-03
NM_001778	CD48	4.95	1.60	2.51E-04	1.94E-03
NM_024854	PYROXD1	10.33	1.11	2.52E-04	1.95E-03
NM_005420	SULT1E1	12.18	-1.21	2.56E-04	1.97E-03
ENST00000429039	TSPY10	6.14	1.10	2.57E-04	1.97E-03
NM_173519	CLVS1	5.21	1.35	2.59E-04	1.99E-03
NM_001128598	KRTAP25-1	5.60	-2.63	2.60E-04	1.99E-03
NM_001716	CXCR5	7.12	1.20	2.68E-04	2.03E-03
NM_005277	GPM6A	4.76	-1.23	2.70E-04	2.04E-03
NM_025176	NINL	12.23	-1.11	2.73E-04	2.06E-03
NM_005267	GJA8	6.15	1.07	2.74E-04	2.06E-03
uc021zys.1	KIAA1908	5.10	-1.26	2.74E-04	2.06E-03
NM_001146182	KRTAP16-1	4.29	-1.09	2.76E-04	2.07E-03
NM_018913	PCDHGA10	9.13	-1.05	2.79E-04	2.08E-03
NM_001130955	ARHGEF18	7.28	1.09	2.80E-04	2.09E-03
ENST00000541415	OR4Q2	5.25	-1.05	2.85E-04	2.12E-03
uc021vhz.2	FLJ30838	4.76	1.01	2.88E-04	2.13E-03
NM_001338	CXADR	6.95	-1.01	2.96E-04	2.17E-03
NM_001076	UGT2B15	4.27	1.43	3.02E-04	2.20E-03
NM_004291	CARTPT	6.23	-1.17	3.04E-04	2.21E-03
ENST00000370498	SPANXN2	5.06	1.03	3.07E-04	2.23E-03
NM_019845	RPRM	6.90	-1.32	3.08E-04	2.23E-03
NM_019098	CNGB3	5.05	-1.16	3.08E-04	2.24E-03
NM_177401	MIDN	7.46	1.12	3.10E-04	2.25E-03
NM_001304449	ZNF806	7.16	1.13	3.13E-04	2.26E-03
NM_001394	DUSP4	12.17	1.35	3.13E-04	2.26E-03
NM_005088	AKAP17A	7.29	1.02	3.16E-04	2.28E-03
ENST00000506607	RP11-503N18.3	9.21	-1.33	3.17E-04	2.28E-03
NM_032551	KISS1R	5.54	-1.14	3.21E-04	2.30E-03
NM_000770	CYP2C8	7.44	-1.18	3.22E-04	2.30E-03
NM_001650	AQP4	5.30	2.55	3.23E-04	2.31E-03
NM_004119	FLT3	4.93	-1.04	3.25E-04	2.32E-03
NM_001013661	VSIG8	9.32	-1.01	3.25E-04	2.32E-03
NM_145026	SPATS1	5.58	1.13	3.30E-04	2.34E-03
NM_033130	SIGLEC10	4.47	1.09	3.32E-04	2.35E-03
NM_003034	ST8SIA1	5.45	-1.02	3.33E-04	2.35E-03
uc021oev.1	LOC100133445	6.40	1.11	3.38E-04	2.38E-03
NM_020300	MGST1	5.86	1.05	3.39E-04	2.38E-03
NM_007053	CD160	5.94	-1.53	3.44E-04	2.41E-03
uc010aip.1	TCRVA15	7.72	2.22	3.49E-04	2.43E-03
uc031pwv.1	AK124121	5.60	-1.36	3.55E-04	2.45E-03

uc001jgj.3	FRMPD2	4.34	-1.04	3.55E-04	2.46E-03
NM_005249	FOXG1	9.56	-1.17	3.59E-04	2.47E-03
NM_153270	KLHL34	7.68	2.25	3.62E-04	2.49E-03
NM_001286633	TRIM40	5.49	-2.27	3.66E-04	2.51E-03
NM_001004490	OR2AG2	8.23	-1.76	3.66E-04	2.51E-03
NM_002984	CCL4	4.85	-1.42	3.72E-04	2.54E-03
NM_032192	PPP1R1B	5.64	1.73	3.76E-04	2.56E-03
NM_000417	IL2RA	6.10	1.77	3.80E-04	2.58E-03
ENST00000507759	RP11-180C1.1	6.77	-1.41	3.87E-04	2.61E-03
NM_001039374	CCDC183	5.90	-1.08	3.91E-04	2.64E-03
ENST00000369932	TEX28P1	5.29	1.15	3.91E-04	2.64E-03
NM_015012	TMEM41B	10.71	-1.06	3.94E-04	2.65E-03
NM_000774	CYP2F1	7.89	1.98	3.96E-04	2.66E-03
NM_014249	NR2E3	6.36	1.01	3.99E-04	2.68E-03
NM_014491	FOXP2	5.13	1.35	4.07E-04	2.71E-03
NM_001101802	PHF21A	11.91	1.22	4.10E-04	2.73E-03
uc003kzl.2	PHF15	6.50	-1.01	4.15E-04	2.75E-03
NM_015675	GADD45B	12.27	1.05	4.21E-04	2.78E-03
NM_015162	ACSBG1	5.44	1.39	4.22E-04	2.79E-03
NM_002961	S100A4	12.68	-1.47	4.23E-04	2.79E-03
NM_001024822	RNASE12	5.46	-1.44	4.27E-04	2.81E-03
NM_001017435	CT45A3	6.64	-1.66	4.36E-04	2.85E-03
NM_053285	TEKT1	5.43	-1.10	4.41E-04	2.88E-03
NM_020348	CNNM1	9.34	1.75	4.53E-04	2.94E-03
NM_203487	PCDH9	8.47	-1.33	4.55E-04	2.94E-03
NM_022150	NPVF	5.82	-1.31	4.60E-04	2.97E-03
NM_139164	STARD4	12.09	-1.10	4.60E-04	2.97E-03
NM_019609	CPXM1	8.48	1.03	4.62E-04	2.98E-03
NM_005207	CRKL	10.96	-1.12	4.64E-04	2.99E-03
NM_001310136	NPIP8	13.51	-1.01	4.68E-04	3.00E-03
NM_001005503	OR11G2	5.43	1.17	4.77E-04	3.05E-03
NM_001004297	OR13A1	5.59	-1.13	4.96E-04	3.13E-03
NM_001037499	DEFB114	4.77	1.11	5.02E-04	3.15E-03
NM_005309	GPT	7.38	1.09	5.02E-04	3.16E-03
NM_183239	GSTO2	7.60	1.13	5.13E-04	3.20E-03
NM_007023	RAPGEF4	5.89	-1.45	5.13E-04	3.21E-03
NM_145060	SKA1	11.19	1.04	5.15E-04	3.21E-03
ENST00000539996	C17orf72	7.10	-1.11	5.34E-04	3.30E-03
NM_001290007	BIN2	5.48	1.16	5.38E-04	3.32E-03
uc003eox.3	CCRL1	7.46	-1.11	5.46E-04	3.36E-03
NM_001526	HCRTR2	6.58	-1.29	5.56E-04	3.40E-03
NM_207315	CMPK2	6.01	-1.85	5.61E-04	3.42E-03
NM_022076	DUSP21	5.33	1.48	5.62E-04	3.42E-03
NM_001278515	GTSCR1	5.61	1.14	5.63E-04	3.43E-03
NM_001005213	OR9G1	6.35	-1.72	5.68E-04	3.46E-03
NM_016379	VCX3A	4.84	1.58	5.83E-04	3.52E-03
NM_000094	COL7A1	14.24	-1.54	6.06E-04	3.62E-03
NM_012360	OR1F1	6.32	-1.55	6.10E-04	3.64E-03
NM_138964	PROKR1	5.10	-1.25	6.10E-04	3.64E-03
NM_002784	PSG9	5.94	-1.03	6.17E-04	3.67E-03
NM_138432	SDSL	13.73	1.22	6.24E-04	3.70E-03
NM_178433	LCE3B	5.85	-1.01	6.26E-04	3.70E-03
NM_017938	TMEM255A	13.82	-1.30	6.28E-04	3.71E-03
NM_000522	HOXA13	6.30	-1.21	6.31E-04	3.73E-03
NM_001080474	C2orf78	6.04	-1.57	6.36E-04	3.75E-03

NM_017947	MOCOS	11.13	1.00	6.46E-04	3.79E-03
NM_001173990	TMEM216	8.65	-1.13	6.55E-04	3.83E-03
NM_000743	CHRNA3	6.30	-1.05	6.56E-04	3.83E-03
NM_014243	ADAMTS3	9.82	-1.02	6.63E-04	3.86E-03
ENST00000292377	GPC2	12.63	-1.08	6.71E-04	3.89E-03
NM_021069	SORBS2	7.89	1.18	6.76E-04	3.91E-03
ENST00000514871	RP11-247C2.2	5.89	1.52	6.77E-04	3.92E-03
uc021sko.2	GATM-AS1	5.75	1.08	6.86E-04	3.95E-03
ENST00000439873	AL354993.1	5.16	-1.17	6.92E-04	3.98E-03
NM_001073	UGT2B11	5.25	1.17	7.04E-04	4.03E-03
NM_020178	CA10	6.51	-1.01	7.23E-04	4.11E-03
ENST00000409310	PLGLB1	11.81	-1.04	7.27E-04	4.13E-03
NM_002758	MAP2K6	8.43	-1.35	7.58E-04	4.25E-03
NM_000898	MAOB	6.53	-1.30	7.63E-04	4.27E-03
NM_025236	RNF39	5.60	1.54	7.74E-04	4.32E-03
NM_016445	PLEK2	6.06	1.16	7.77E-04	4.33E-03
NM_001306135	DLEU7	6.35	1.06	8.06E-04	4.44E-03
NM_000689	ALDH1A1	5.89	-1.69	8.16E-04	4.48E-03
NM_003058	SLC22A2	4.93	-1.06	8.20E-04	4.50E-03
NM_001077711	KRTAP27-1	5.24	-1.56	8.28E-04	4.53E-03
NM_001145026	PTPRQ	7.49	-1.35	8.28E-04	4.53E-03
NM_017805	RASIP1	9.41	-1.09	8.33E-04	4.55E-03
ENST00000512294	RP11-664D7.4	4.74	-1.10	8.41E-04	4.58E-03
ENST00000426610	ASAH2C	4.01	-1.18	8.84E-04	4.75E-03
NM_207359	GADL1	5.91	-1.04	8.94E-04	4.79E-03
NM_153444	OR5P2	6.39	2.31	8.98E-04	4.81E-03
NM_001001663	TMEM211	7.82	-1.14	9.00E-04	4.82E-03
NM_175834	KRT79	5.91	-1.23	9.09E-04	4.85E-03
NM_001001480	KRTAP5-5	5.40	-1.29	9.15E-04	4.88E-03
NM_198853	TRIM74	10.88	-1.35	9.32E-04	4.94E-03
uc002ilo.2	AX748120	6.13	-1.21	9.90E-04	5.17E-03
NM_006984	CLDN10	4.43	-1.68	9.95E-04	5.19E-03
NM_152761	CXorf58	4.81	1.00	1.01E-03	5.23E-03
NM_001037500	DEFB124	10.28	-1.08	1.01E-03	5.24E-03
ENST00000569741	TP53TG3B	6.45	-1.56	1.04E-03	5.35E-03
NM_017677	MTMR8	6.05	-1.31	1.05E-03	5.40E-03
NM_174898	LYG1	11.73	-1.22	1.05E-03	5.41E-03
NM_004104	FASN	14.41	-1.01	1.07E-03	5.49E-03
NM_002130	HMGCS1	10.50	-1.29	1.13E-03	5.70E-03
NM_177986	DSG4	4.97	-1.25	1.15E-03	5.75E-03
NM_018029	EBLN2	12.75	-1.08	1.15E-03	5.76E-03
NM_005046	KLK7	6.05	-1.43	1.17E-03	5.81E-03
NM_001005323	OR5AK2	4.22	-1.70	1.19E-03	5.88E-03
ENST00000378936	AC016251.1	6.08	-1.49	1.19E-03	5.90E-03
NM_181791	GPR141	4.33	-1.48	1.24E-03	6.06E-03
NM_001024938	SLC2A11	8.57	1.16	1.25E-03	6.11E-03
NM_000300	PLA2G2A	5.07	-1.22	1.27E-03	6.16E-03
NM_001204173	C8orf44-SGK3	6.30	-1.04	1.28E-03	6.20E-03
NM_012385	NUPR1	12.79	1.44	1.30E-03	6.27E-03
NM_001017924	LRIT2	5.74	-1.94	1.31E-03	6.31E-03
NM_001093729	CCDC102B	7.06	-1.05	1.35E-03	6.47E-03
NM_182756	SPDYA	7.85	-1.16	1.36E-03	6.48E-03
NM_152587	C11orf65	7.46	1.08	1.43E-03	6.73E-03
NM_001145465	NANOGNB	5.16	-1.28	1.46E-03	6.83E-03
NM_001083111	GNRH1	11.64	-1.09	1.54E-03	7.11E-03

NM_000750	CHRN4	6.31	-1.12	1.55E-03	7.14E-03
ENST00000332249	OR52L1	5.54	-1.24	1.56E-03	7.18E-03
NM_006729	DIAPH2	6.88	-1.22	1.66E-03	7.53E-03
NM_178565	RSPO2	6.94	-1.12	1.72E-03	7.71E-03
NM_025220	ADAM33	6.92	-1.05	1.72E-03	7.73E-03
NM_014758	SNX19	10.47	-2.89	1.80E-03	7.98E-03
NM_004746	DLGAP1	5.76	-1.11	1.81E-03	8.00E-03
NM_002170	IFNA8	6.65	-1.50	1.88E-03	8.23E-03
NM_001851	COL9A1	6.50	1.57	1.89E-03	8.28E-03
NM_001013356	OR8U8	4.39	-1.62	1.93E-03	8.41E-03
NM_030796	VOPP1	10.24	1.08	1.93E-03	8.41E-03
NM_005212	CSN3	4.78	-1.40	1.98E-03	8.55E-03
NM_005849	IGSF6	5.76	-1.01	2.01E-03	8.67E-03
NM_001297550	APELA	4.62	-1.09	2.03E-03	8.74E-03
ENST00000332881	AC131971.1	4.10	1.63	2.04E-03	8.77E-03
uc001dls.1	CLCA1	4.46	1.21	2.06E-03	8.83E-03
NM_052942	GBP5	6.86	1.56	2.15E-03	9.12E-03
uc021xtm.1	NPY2R	6.10	1.06	2.22E-03	9.34E-03
NM_001144871	VSTM5	4.55	-1.26	2.26E-03	9.48E-03
NM_015864	FAM65B	5.98	-1.45	2.27E-03	9.52E-03
NM_001304388	GOLGA6L2	7.46	1.00	2.28E-03	9.54E-03
NM_020440	PTGFRN	6.47	1.12	2.29E-03	9.58E-03
NM_024697	ZNF385D	5.63	1.09	2.30E-03	9.59E-03
NM_176813	AGR3	4.72	-1.02	2.31E-03	9.65E-03
ENST00000359684	DACH1	4.60	-1.40	2.39E-03	9.87E-03
NM_002009	FGF7	4.55	-1.04	2.42E-03	9.98E-03
NM_001029860	FBXO43	9.09	-1.05	2.43E-03	9.99E-03
NM_000856	GUCY1A3	4.95	-1.23	2.43E-03	1.00E-02
NM_015236	ADGRL3	5.95	-1.02	2.50E-03	1.02E-02
NM_031958	KRTAP3-1	8.13	-1.10	2.51E-03	1.03E-02
NM_031955	SPATA16	4.57	-1.13	2.55E-03	1.04E-02
NM_003063	SLN	6.99	-1.15	2.58E-03	1.05E-02
NM_032578	MYPN	6.65	-1.08	2.68E-03	1.07E-02
NM_007160	OR2H2	9.00	1.02	2.70E-03	1.08E-02
NM_020995	HPR	4.74	-1.08	2.73E-03	1.09E-02
NM_021804	ACE2	4.89	-1.16	2.91E-03	1.14E-02
NM_001044	SLC6A3	6.27	1.10	2.96E-03	1.16E-02
NM_003960	NAT8	5.58	-1.25	2.97E-03	1.16E-02
ENST00000373200	POU3F4	5.03	-1.11	3.03E-03	1.18E-02
NM_001004691	OR2M7	5.94	1.59	3.17E-03	1.22E-02
NM_002066	GML	4.05	-1.27	3.21E-03	1.23E-02
ENST00000578092	LINC00908	8.15	-1.46	3.25E-03	1.24E-02
NM_001004748	OR51A2	4.46	-1.12	3.31E-03	1.26E-02
NM_000738	CHRM1	4.42	-1.49	3.41E-03	1.29E-02
uc003kix.3	GPR98	6.06	-1.20	3.49E-03	1.31E-02
NM_002995	XCL1	4.35	-1.05	3.53E-03	1.32E-02
ENST00000436901	AC021860.1	4.56	-1.16	3.53E-03	1.32E-02
ENST00000440231	OR5AL1	4.12	-1.48	3.60E-03	1.34E-02
NM_001145051	TMEM247	5.29	-1.47	3.62E-03	1.34E-02
NM_001005279	OR6K2	6.48	-1.26	3.66E-03	1.36E-02
NM_178470	DCAF12L1	5.25	-1.33	3.68E-03	1.36E-02
ENST00000440215	TSPY6P	6.55	1.11	3.69E-03	1.36E-02
NM_001004723	OR4N2	6.83	-1.34	3.72E-03	1.37E-02
NM_004588	SCN2B	5.89	-1.37	3.83E-03	1.40E-02
NM_018922	PCDHGB1	6.45	-1.29	3.88E-03	1.42E-02

NM_003014	SFRP4	5.73	-1.24	3.89E-03	1.42E-02
NM_001243552	C17orf112	6.95	-1.29	3.98E-03	1.45E-02
NM_178510	ANKK1	9.09	-1.04	3.99E-03	1.45E-02
NM_001080478	LRRC14B	5.48	1.44	4.00E-03	1.45E-02
NM_003032	ST6GAL1	7.64	-1.17	4.35E-03	1.54E-02
NM_018967	SNTG1	6.07	1.25	4.35E-03	1.54E-02
NM_013252	CLEC5A	4.34	-1.28	4.44E-03	1.57E-02
NM_033179	OR51B4	6.57	-1.22	4.45E-03	1.57E-02
NM_001002254	AWAT2	5.43	-1.24	4.72E-03	1.64E-02
NM_001313	CRMP1	8.48	-1.15	4.73E-03	1.64E-02
NM_030776	ZBP1	7.11	-1.01	4.74E-03	1.64E-02
NM_001112706	SCIN	5.17	-1.07	4.76E-03	1.65E-02
NM_006871	RIPK3	4.36	-1.13	4.95E-03	1.70E-02
NM_025041	C3orf36	4.09	-1.20	5.29E-03	1.79E-02
NM_021911	GABRB2	6.98	-1.33	5.36E-03	1.81E-02
ENST00000376830	C9orf41	3.89	-1.49	5.63E-03	1.88E-02
NM_153000	APCDD1	7.89	1.16	5.68E-03	1.89E-02
NM_001077480	NR1I3	5.95	-1.81	5.69E-03	1.89E-02
NM_148674	SMC1B	3.57	2.24	5.74E-03	1.91E-02
NM_153345	TMEM139	6.61	-1.07	5.82E-03	1.93E-02
NM_001303622	MEIKIN	4.03	-1.42	6.08E-03	1.99E-02
NM_004678	BPY2	5.71	-1.69	6.39E-03	2.07E-02
NM_052933	TSGA13	5.14	1.02	6.40E-03	2.07E-02
NM_201649	SLC6A9	7.31	1.08	6.52E-03	2.10E-02
NM_014879	P2RY14	6.32	-2.01	6.63E-03	2.13E-02
NM_052962	IL22RA2	5.24	-1.58	6.69E-03	2.15E-02
NM_080819	GPR78	7.38	-1.08	7.10E-03	2.25E-02
uc003qek.2	AX747860	4.45	1.16	7.26E-03	2.28E-02
NM_145811	CACNG5	5.30	-1.48	7.37E-03	2.31E-02
NM_001005513	OR4C45	5.40	-1.58	8.00E-03	2.46E-02
NM_001130016	ART3	6.66	-1.04	8.09E-03	2.48E-02
uc003ssl.1	BC075797	4.96	-1.61	8.25E-03	2.52E-02
uc022cce.1	KIAA1817	6.26	-1.03	8.69E-03	2.62E-02
NM_014589	PLA2G2E	4.77	-1.20	9.06E-03	2.71E-02
NM_001005238	OR51G2	7.66	-1.28	9.20E-03	2.74E-02
NM_020469	ABO	10.59	-1.02	1.01E-02	2.95E-02
NM_018951	HOXA10	4.92	-1.27	1.06E-02	3.07E-02
NM_000531	OTC	6.69	-1.45	1.07E-02	3.07E-02
uc021qcy.1	OLFR690	6.95	-1.22	1.09E-02	3.12E-02
NM_015912	FAM135B	5.64	-1.09	1.16E-02	3.28E-02
NM_152908	SLC47A2	6.15	-1.31	1.16E-02	3.29E-02
NM_172370	DAOA	6.72	-1.18	1.17E-02	3.29E-02
NM_172347	KCNG4	5.92	1.16	1.21E-02	3.38E-02
NM_001256852	USP17L10	6.34	1.20	1.30E-02	3.58E-02
NM_015491	PNISR	11.68	-1.11	1.35E-02	3.68E-02
NM_001146040	GLRA1	7.85	-1.11	1.35E-02	3.69E-02
NM_001038705	GPR149	5.53	1.18	1.37E-02	3.73E-02
NM_022146	NPFFR1	7.31	-1.05	1.41E-02	3.82E-02
NM_001005193	OR7G2	7.38	-1.12	1.43E-02	3.85E-02
NM_057168	WNT16	4.66	1.38	1.62E-02	4.24E-02
NM_004950	EPYC	4.46	-1.22	1.69E-02	4.38E-02
ENST00000595472	EMR3	6.47	-1.22	1.72E-02	4.43E-02
NM_138434	ZBED6CL	7.20	-1.57	1.95E-02	4.89E-02

S4 Table. Dysregulated lncRNAs in LX-2 cells exposed to conditioned media from PF-treated hepatocytes

Sequence Name	Gene Symbol	Assoc Gene	Avg Exp	Log ₂ FC	p-value	FDR
ENST00000445280	RP11-165J3.6		14.78	4.98	6.52E-10	2.52E-06
ENST00000527239	CTD-2589M5.4		14.11	5.09	1.41E-10	2.52E-06
TCONS_00019584	XLOC_009382		14.40	5.26	6.00E-10	2.52E-06
NR_024330	SPACA6P		13.52	5.47	5.81E-10	2.52E-06
T161198	G037238		13.94	5.59	2.98E-10	2.52E-06
T169470	G039345	ADGRL1	14.23	5.61	3.62E-10	2.52E-06
uc.243+	uc.243	ZFHX4	12.86	5.81	4.92E-10	2.52E-06
T343400	G080682		12.97	5.92	4.52E-10	2.52E-06
uc001oou.3	BC064339	TPCN2	13.14	6.22	4.18E-10	2.52E-06
TCONS_00014675	XLOC_006774		13.20	6.46	4.00E-10	2.52E-06
ENST00000431001	RP11-439H9.1		12.98	6.54	8.69E-10	2.94E-06
ENST00000579499	CTB-58E17.9	MLLT6	12.33	6.35	1.09E-09	3.47E-06
T198560	G045831	ERCC3	14.55	5.14	1.22E-09	3.68E-06
T256902	G059221		14.64	4.27	1.36E-09	3.84E-06
ENST00000464125	RP11-475O23.3	FAM107A	13.54	5.67	1.42E-09	3.84E-06
T119684	G028271	SCAMP5	11.61	6.43	1.60E-09	4.13E-06
T280062	G065072		14.09	5.18	2.09E-09	4.93E-06
T253780	G058468		9.43	5.31	2.06E-09	4.93E-06
T379563	G089863		14.95	4.18	2.92E-09	5.36E-06
uc.473-	uc.473	NLGN3	9.23	5.89	2.72E-09	5.36E-06
TCONS_00000947	XLOC_000202		11.90	6.22	3.39E-09	5.36E-06
T372494	G087836		11.31	6.26	3.00E-09	5.36E-06
TCONS_I2_00017992	XLOC_I2_009508		11.95	6.54	2.88E-09	5.36E-06
TCONS_00018312	XLOC_008586		12.51	6.64	3.24E-09	5.36E-06
NR_125419	LOC101927543	SNTB1	12.09	6.74	2.89E-09	5.36E-06
ENST00000580967	RP11-527H14.2		11.88	6.98	3.16E-09	5.36E-06
T350637	G082777		9.49	5.72	3.84E-09	5.62E-06
ENST00000416861	AC009502.4		12.69	6.33	3.80E-09	5.62E-06
T074167	G017032		6.23	-2.70	4.24E-09	5.76E-06
T181556	G041767		15.14	3.62	4.30E-09	5.76E-06
T042208	G009674		14.58	5.07	4.24E-09	5.76E-06
T314169	G073685		11.95	7.01	4.36E-09	5.76E-06
NR_002165	HMGB3P1		10.57	6.29	5.27E-09	6.64E-06
T308596	G072225		7.11	-2.70	5.67E-09	6.82E-06
T007174	G001532		9.56	5.97	5.83E-09	6.86E-06
T309990	G072626		6.79	-3.15	6.65E-09	7.21E-06
T072000	G016595		6.92	-2.70	7.06E-09	7.21E-06
TCONS_00021009	XLOC_010271		9.89	4.47	6.84E-09	7.21E-06
T039096	G008944		11.16	6.08	6.95E-09	7.21E-06
NR_104609	HNCAT21		11.50	6.85	6.58E-09	7.21E-06
T079442	G018366		11.40	6.78	7.72E-09	7.60E-06
TCONS_00004668	XLOC_001314		10.01	4.97	8.30E-09	7.75E-06
TCONS_00022882	XLOC_011136		9.89	5.91	8.74E-09	7.89E-06
ENST00000515111	AC004054.1	CCSER1	9.09	6.07	8.68E-09	7.89E-06
ENST00000423020	RP5-963E22.4		11.76	6.41	1.01E-08	8.43E-06
TCONS_00025234	XLOC_012507		11.47	-3.13	1.05E-08	8.62E-06
uc004bsl.1	AK057719	ENG	11.44	5.49	1.12E-08	8.94E-06
T173832	G040382		11.34	7.23	1.11E-08	8.94E-06
T271295	G062886		10.05	6.51	1.15E-08	9.03E-06
T377296	G089256		6.10	-2.51	1.35E-08	9.20E-06

T380669	G090187		15.25	3.58	1.26E-08	9.20E-06
ENST00000432250	RP11-134J21.1		8.95	5.03	1.31E-08	9.20E-06
NR_033370	LOC63930		9.91	6.02	1.31E-08	9.20E-06
T108295	G025594		9.05	6.18	1.28E-08	9.20E-06
ENST00000531886	RP11-11011.6	HYOU1	10.99	6.24	1.42E-08	9.51E-06
ENST00000503505	RP11-154F14.2	PDGFC	6.73	-2.28	1.48E-08	9.56E-06
TCONS_00012340	XLOC_005890		9.41	5.62	1.45E-08	9.56E-06
ENST00000563287	RP11-10017.1		12.84	6.29	1.48E-08	9.56E-06
T196268	G045230		6.55	-2.54	1.70E-08	9.67E-06
T263264	G060657		4.85	-2.40	1.62E-08	9.67E-06
NR_110838	LOC101927087		15.28	4.00	1.63E-08	9.67E-06
TCONS_00025298	XLOC_012102		6.84	5.11	1.67E-08	9.67E-06
ENST00000566418	RP11-686F15.2		11.54	6.57	1.69E-08	9.67E-06
T102806	G024217		11.65	6.67	1.61E-08	9.67E-06
T266645	G061674		11.05	7.30	1.75E-08	9.79E-06
T036641	G008298	PFKFB3	5.77	-2.79	1.87E-08	1.00E-05
ENST00000442781	RP3-462C17.1	LRFN2	8.55	-2.39	1.89E-08	1.00E-05
uc.132-	uc.132	RSRC1	9.16	5.27	1.99E-08	1.03E-05
TCONS_00012332	XLOC_005877		10.31	5.77	2.02E-08	1.04E-05
T364778	G086251	C9orf84	6.75	-2.61	2.12E-08	1.07E-05
uc001gks.3	BC043291	TNR	6.50	-2.45	2.15E-08	1.07E-05
ENST00000597156	CTD-3193O13.11	CTD-3193O13.9	11.27	7.03	2.12E-08	1.07E-05
T036055	G008215		9.39	7.33	2.17E-08	1.07E-05
T114386	G027007		10.22	5.98	2.20E-08	1.07E-05
T341620	G080206		11.88	6.31	2.36E-08	1.13E-05
ENST00000432694	RP1-15D23.2	TNFSF18	11.05	6.22	2.39E-08	1.13E-05
ENST00000421614	RP11-235C23.5	FKTN	6.16	-2.47	2.48E-08	1.16E-05
T262569	G060409		9.36	6.33	2.63E-08	1.19E-05
TCONS_00014959	XLOC_007038		11.27	6.47	2.63E-08	1.19E-05
T149935	G034745	SNF8	11.94	6.11	2.66E-08	1.19E-05
T330859	G077482	PIK3CG	6.61	-2.39	2.69E-08	1.19E-05
ENST00000554181	RP11-736P16.1		6.63	-2.18	2.71E-08	1.19E-05
NR_105039	LOC101927488		11.08	7.22	2.73E-08	1.19E-05
T361955	G085499		6.25	-2.84	3.03E-08	1.25E-05
NR_120568	LOC101928943	MADD	4.72	-2.43	3.04E-08	1.25E-05
ENST00000559251	RP11-16B9.1		9.05	5.21	3.02E-08	1.25E-05
TCONS_00022561	XLOC_010880		9.22	5.89	2.94E-08	1.25E-05
T373218	G088055		10.66	5.94	2.88E-08	1.25E-05
ENST00000597337	AC006262.10	IGFL1	16.24	2.94	3.18E-08	1.29E-05
T245034	G056203		10.41	5.27	3.28E-08	1.29E-05
uc003tjg.1	AX747182	SPDYE1	10.86	4.58	3.90E-08	1.51E-05
T262250	G060332		12.27	-2.01	3.96E-08	1.52E-05
GSE61474_TCONS_00016190	GSE61474_XLOC_003076		8.78	6.01	4.05E-08	1.52E-05
T291864	G068229	LARP1	9.91	6.65	4.02E-08	1.52E-05
T248644	G057145	GAP43	7.37	-2.69	4.29E-08	1.58E-05
ENST00000457890	AC063976.3		9.10	5.81	4.54E-08	1.60E-05
ENST00000523748	RP11-473J6.1		8.80	6.45	4.53E-08	1.60E-05
T357032	G084241		11.80	6.77	4.57E-08	1.60E-05
ENST00000562167	AC011525.2	THEG5	9.28	5.79	4.63E-08	1.60E-05
T187193	G042952		6.09	-2.29	4.94E-08	1.63E-05
T024358	G005305		6.22	-2.21	4.84E-08	1.63E-05
T270763	G062757		9.13	5.74	4.80E-08	1.63E-05
NR_108069	LINC00836		6.00	-1.90	5.02E-08	1.63E-05
T112314	G026517		9.20	5.49	5.00E-08	1.63E-05

ENST00000436328	ISPD-AS1	ISPD	9.75	5.48	5.11E-08	1.64E-05
ENST00000568112	RP11-565N2.1		10.32	6.21	5.09E-08	1.64E-05
NR_038309	LOC100507205		5.87	-2.72	5.41E-08	1.69E-05
T193708	G044650		5.66	-2.69	5.39E-08	1.69E-05
TCONS_00022102	XLOC_010713		6.48	-2.54	5.43E-08	1.69E-05
T356100	G083970		8.21	6.72	5.40E-08	1.69E-05
ENST00000510512	CTD-3007L5.1		8.11	5.97	5.76E-08	1.75E-05
ENST00000594678	CTD-3032J10.4	MYO9B	6.55	-1.95	5.82E-08	1.76E-05
ENST00000517884	RP11-662G23.1	NECAB1	5.45	-2.57	6.21E-08	1.78E-05
T113202	G026710		5.70	-2.24	5.93E-08	1.78E-05
T001964	G000301		8.09	-1.80	6.27E-08	1.78E-05
ENST00000436953	RP11-475C16.2	AL590867.1	9.99	5.20	6.10E-08	1.78E-05
NR_109777	LOC100506281		7.69	5.29	6.13E-08	1.78E-05
T370754	G087427		10.46	6.32	6.07E-08	1.78E-05
T318565	G074601		8.48	6.40	6.05E-08	1.78E-05
T085588	G019854		9.57	6.27	6.35E-08	1.79E-05
ENST00000587099	RP11-384O8.1		10.06	-2.09	6.48E-08	1.79E-05
T284768	G066429	HOMER1	5.73	-2.00	6.47E-08	1.79E-05
ENST00000420776	RP11-442N24_B.1	TAF12	10.06	5.30	6.49E-08	1.79E-05
T236945	G054435		5.44	-2.12	6.59E-08	1.79E-05
T210340	G048680		7.42	-1.98	6.84E-08	1.83E-05
ENST00000524252	RP11-161I2.1	PSD3	7.49	-2.00	7.13E-08	1.85E-05
T317650	G074381		7.47	4.95	6.98E-08	1.85E-05
ENST00000459855	RP11-190P13.2		8.75	6.63	7.11E-08	1.85E-05
T248785	G057185		9.62	7.20	7.11E-08	1.85E-05
T124865	G029281		6.28	-2.18	7.21E-08	1.86E-05
NR_110072	LOC101928002	RAB3IP	6.76	5.27	7.25E-08	1.86E-05
T102724	G024184		9.66	5.42	7.30E-08	1.86E-05
T232600	G053509	SYN3	6.71	4.47	7.38E-08	1.87E-05
NR_037808	LOC150935		5.36	-2.56	7.50E-08	1.87E-05
T206388	G047782		7.37	-1.86	7.55E-08	1.87E-05
ENST00000458489	RP11-190J1.3		10.24	6.41	7.58E-08	1.87E-05
ENST00000419658	RP4-601K24.1		9.84	6.81	7.62E-08	1.87E-05
T236065	G054307		5.82	-2.74	7.74E-08	1.88E-05
T099310	G023447		6.00	-2.73	8.36E-08	1.91E-05
ENST00000417715	AC073928.2		4.90	-2.42	8.28E-08	1.91E-05
T200182	G046188		7.92	-2.18	8.42E-08	1.91E-05
T102207	G024034		5.49	-2.14	8.36E-08	1.91E-05
ENST00000419832	RP11-332K15.1	IQUB	5.82	-1.76	8.14E-08	1.91E-05
uc.447+	uc.447	ZNF536	6.72	4.76	8.42E-08	1.91E-05
NR_104064	SMIM2-AS1	SMIM2	8.28	5.34	8.37E-08	1.91E-05
T333565	G078212		7.59	5.61	8.29E-08	1.91E-05
NR_108092	LINC01099	LINC01098	7.54	-2.91	8.63E-08	1.94E-05
NR_015453	NOP14-AS1	NOP14	11.50	5.64	8.69E-08	1.94E-05
T204998	G047395		5.53	2.74	8.79E-08	1.96E-05
TCONS_I2_00005873	XLOC_I2_003133		7.38	-1.70	9.03E-08	1.99E-05
T308984	G072355		4.35	2.02	9.16E-08	2.00E-05
T293610	G068735		7.40	-2.10	9.33E-08	2.02E-05
ENST00000507681	CTC-573N18.1		9.66	5.23	9.38E-08	2.02E-05
ENST00000478468	RP11-521D12.1		11.58	5.05	9.63E-08	2.03E-05
ENST00000508135	RP11-4O3.2		6.26	-2.31	9.86E-08	2.05E-05
TCONS_00014706	XLOC_006804		10.02	5.92	9.86E-08	2.05E-05
NR_003276	CES1P1		7.11	2.26	1.01E-07	2.07E-05
ENST00000606512	RP11-26J3.3	MRPS28	8.78	4.76	1.01E-07	2.07E-05
T006824	G001455		7.18	-2.61	1.02E-07	2.07E-05

T244856	G056140		7.88	2.80	1.03E-07	2.09E-05
ENST00000428188	AC007271.3	IL1R1	14.80	3.93	1.04E-07	2.09E-05
T244244	G056026		5.00	-1.84	1.07E-07	2.10E-05
NR_037845	LOC100506023	PRDX6	7.56	-1.71	1.06E-07	2.10E-05
NR_046991	LINC00353		8.04	6.11	1.06E-07	2.10E-05
T292482	G068411		8.69	6.37	1.06E-07	2.10E-05
ENST00000602862	RP11-118F19.1		10.50	4.32	1.09E-07	2.12E-05
T281071	G065368		8.72	5.26	1.13E-07	2.16E-05
T377126	G089180		6.45	-2.84	1.14E-07	2.17E-05
NR_125368	LOC100129434	CCDC85A	8.36	2.67	1.14E-07	2.17E-05
T091333	G021093		5.15	-2.64	1.16E-07	2.17E-05
ENST00000442627	AC118653.2		9.43	6.07	1.16E-07	2.17E-05
GSE61474_TCONS_00336607	GSE61474_XLOC_065355		9.37	5.59	1.17E-07	2.17E-05
T245829	G056437		6.33	-2.22	1.20E-07	2.22E-05
TCONS_00015685	XLOC_007378		8.00	6.07	1.24E-07	2.26E-05
T310327	G072723		5.95	-2.05	1.30E-07	2.32E-05
T152692	G035390		7.56	6.86	1.30E-07	2.32E-05
T113727	G026842		6.23	2.44	1.31E-07	2.33E-05
GSE61474_TCONS_00314610	GSE61474_XLOC_060257		7.21	5.49	1.33E-07	2.34E-05
T281347	G065435		9.18	6.99	1.32E-07	2.34E-05
T048680	G011361		4.51	1.98	1.38E-07	2.37E-05
ENST00000554049	RP11-110A12.2	OR6C68	6.22	-2.22	1.39E-07	2.38E-05
T377187	G089212		6.00	-1.76	1.40E-07	2.38E-05
T200642	G046324		6.14	-3.03	1.43E-07	2.40E-05
GSE61474_TCONS_00093410	GSE61474_XLOC_018091		6.91	3.23	1.43E-07	2.40E-05
ENST00000607336	RP11-445F12.2	LHX1	10.28	6.34	1.42E-07	2.40E-05
ENST00000569070	RP11-151E14.1		6.18	-2.19	1.49E-07	2.42E-05
ENST00000452199	RP11-382E9.1		6.33	-2.11	1.46E-07	2.42E-05
T363603	G085886		7.20	-1.82	1.48E-07	2.42E-05
T365656	G086447		7.03	4.33	1.49E-07	2.42E-05
TCONS_00022089	XLOC_010699		6.74	-1.82	1.51E-07	2.43E-05
T263315	G060671		4.71	-2.29	1.59E-07	2.44E-05
uc.161+	uc.161	AP3B1	5.83	-2.12	1.57E-07	2.44E-05
ENST00000366097	RP11-560A15.3		7.08	-2.05	1.54E-07	2.44E-05
ENST00000413352	RP11-375O18.2		7.47	-1.93	1.57E-07	2.44E-05
T241171	G055499		6.06	1.63	1.57E-07	2.44E-05
TCONS_00026483	XLOC_012810		9.07	4.68	1.58E-07	2.44E-05
T293529	G068712		7.08	5.03	1.57E-07	2.44E-05
ENST00000518465	RP11-122L4.1		9.47	5.90	1.58E-07	2.44E-05
T311255	G072968		7.14	-2.17	1.60E-07	2.44E-05
TCONS_00026274	XLOC_012622		7.40	5.76	1.60E-07	2.44E-05
ENST00000592638	RP11-456K23.1	SETBP1	9.96	6.77	1.60E-07	2.44E-05
NR_120625	LOC101927549		5.60	-2.18	1.67E-07	2.48E-05
T109806	G025992		6.69	-1.71	1.65E-07	2.48E-05
T177897	G041118		7.93	3.12	1.67E-07	2.48E-05
TCONS_00019680	XLOC_009480		8.93	6.03	1.65E-07	2.48E-05
uc.258-	uc.258	ZCCHC7	5.15	-2.08	1.68E-07	2.49E-05
T247979	G057036	CD96	5.23	2.30	1.71E-07	2.52E-05
T210081	G048607		7.62	4.83	1.72E-07	2.52E-05
NR_027094	SYT14P1	TMPRSS11F	7.45	4.85	1.72E-07	2.52E-05
T099247	G023433	ANKRD10	5.80	-1.79	1.73E-07	2.52E-05
TCONS_00028327	XLOC_013670		9.04	6.03	1.73E-07	2.52E-05
T074169	G017034		5.38	-2.68	1.80E-07	2.59E-05
T298516	G069782		7.63	4.39	1.80E-07	2.59E-05
NR_110151	ADAMTS9-AS1	ADAMTS9	5.90	-2.20	1.91E-07	2.69E-05

T132365	G031046		8.83	-2.11	1.91E-07	2.69E-05
T073684	G016881	CLEC2B	4.06	-1.93	1.93E-07	2.69E-05
T099693	G023539		6.19	1.96	2.01E-07	2.77E-05
NR_121638	LOC100996583		6.33	3.73	2.00E-07	2.77E-05
T272997	G063395		7.12	5.53	2.01E-07	2.77E-05
T280025	G065052		7.40	-2.47	2.03E-07	2.78E-05
T014503	G003181		6.88	1.87	2.06E-07	2.78E-05
T102768	G024210	BAZ1A	7.06	5.21	2.06E-07	2.78E-05
ENST00000608142	RP11-1399P15.1		6.72	-1.99	2.08E-07	2.78E-05
GSE61474_TCONS_00293707	GSE61474_XLOC_055754		7.15	-1.78	2.08E-07	2.78E-05
T245007	G056187		9.58	3.54	2.09E-07	2.78E-05
NR_026975	FIRRE		5.83	-2.04	2.12E-07	2.80E-05
ENST00000411581	FAM230C		6.13	-2.14	2.16E-07	2.84E-05
T003469	G000684		6.10	2.96	2.18E-07	2.85E-05
NR_120424	LOC101929259		5.71	2.35	2.21E-07	2.87E-05
ENST00000565735	RP11-510C10.4		5.45	-2.24	2.33E-07	2.98E-05
ENST00000607735	CTD-2168K21.2	NEFL	9.24	-1.74	2.33E-07	2.98E-05
uc.212+	uc.212	HOXA2	6.07	-1.67	2.33E-07	2.98E-05
GSE61474_TCONS_00308979	GSE61474_XLOC_059051		5.93	2.06	2.35E-07	2.99E-05
T131935	G030942		6.02	-1.53	2.35E-07	2.99E-05
TCONS_00012365	XLOC_005930		7.75	3.76	2.39E-07	3.00E-05
T336789	G078986		8.89	4.20	2.39E-07	3.00E-05
T331754	G077742		7.10	-1.93	2.40E-07	3.01E-05
T290409	G067873		5.14	1.51	2.46E-07	3.02E-05
ENST00000450628	AC010096.2		4.99	3.29	2.45E-07	3.02E-05
TCONS_00026905	XLOC_012978		8.01	4.39	2.45E-07	3.02E-05
ENST00000418209	AC096579.7		6.92	-1.51	2.51E-07	3.05E-05
NR_037860	EGFL8	EGFL8	10.38	5.45	2.55E-07	3.06E-05
GSE61474_TCONS_00299528	GSE61474_XLOC_057016		6.37	2.07	2.62E-07	3.10E-05
uc002vnc.3	LOC440934		9.96	4.63	2.64E-07	3.11E-05
T047351	G011026		5.88	-1.80	2.66E-07	3.12E-05
NR_003679	HAND2-AS1	HAND2	9.80	-2.24	2.80E-07	3.24E-05
T164644	G038250		7.31	5.18	2.80E-07	3.24E-05
T319121	G074765		7.65	-2.19	2.90E-07	3.28E-05
T118807	G028062		5.75	-1.70	2.86E-07	3.28E-05
T144368	G033598	KSR1	5.90	-1.69	2.87E-07	3.28E-05
T016395	G003634		6.37	-1.67	2.89E-07	3.28E-05
T183623	G042173		7.21	-1.54	2.89E-07	3.28E-05
T156046	G036019		4.80	1.63	2.85E-07	3.28E-05
ENST00000425963	AC005592.2		5.22	1.79	2.90E-07	3.28E-05
ENST00000394517	RP11-465B22.3		7.80	4.43	2.90E-07	3.28E-05
ENST00000505454	RP13-884E18.2		7.62	5.46	2.89E-07	3.28E-05
uc.254-	uc.254		4.54	-1.94	2.94E-07	3.30E-05
TCONS_00012017	XLOC_005541		8.90	6.09	2.93E-07	3.30E-05
uc.18+	uc.18	ERI3	6.80	-2.18	2.95E-07	3.30E-05
ENST00000446340	RP11-796I2.1		3.91	-1.89	3.04E-07	3.35E-05
T009292	G002006		8.17	2.91	3.07E-07	3.36E-05
ENST00000548424	RP11-478B9.1	DBX2	6.42	-1.45	3.08E-07	3.36E-05
T095463	G022304		4.86	-2.78	3.13E-07	3.37E-05
T047336	G011013		8.87	4.84	3.26E-07	3.45E-05
T219268	G050681		4.83	-1.94	3.29E-07	3.46E-05
NR_131986	KCCAT198		7.32	5.73	3.33E-07	3.49E-05
T314044	G073650		7.93	-2.15	3.35E-07	3.49E-05
ENST00000571611	AC003009.1		6.99	4.33	3.39E-07	3.52E-05
NR_122034	LINC01419		9.15	-1.84	3.42E-07	3.52E-05

ENST00000505276	RP5-1063M23.1		7.90	4.56	3.41E-07	3.52E-05
T273789	G063571		6.69	5.68	3.42E-07	3.52E-05
T306478	G071602		6.40	-2.28	3.51E-07	3.58E-05
T349175	G082341		4.82	-1.79	3.51E-07	3.58E-05
T034394	G007816		4.84	3.35	3.57E-07	3.59E-05
T060044	G013975	SCGB2A1	5.96	-2.17	3.59E-07	3.61E-05
ENST00000412405	RP4-734C18.1		6.63	-2.06	3.61E-07	3.62E-05
T234617	G053959		5.86	1.97	3.77E-07	3.73E-05
NR_033387	ADARB2-AS1	ADARB2	6.86	-1.55	3.80E-07	3.75E-05
ENST00000513393	RP11-145G20.1		7.94	5.04	3.87E-07	3.80E-05
ENST00000547942	RP11-1049A21.2	NCKAP1L	6.05	2.72	3.95E-07	3.85E-05
ENST00000440518	RP11-445F6.2	TXLNB	7.08	3.83	3.98E-07	3.86E-05
uc.360+	uc.360	NOVA1	7.27	3.90	4.01E-07	3.88E-05
T285142	G066515		8.72	4.99	4.04E-07	3.89E-05
T070729	G016370		6.43	1.72	4.06E-07	3.90E-05
uc002dsh.1	AK075019		5.85	2.22	4.08E-07	3.91E-05
ENST00000609567	hsa-mir-1253		6.60	-2.48	4.10E-07	3.91E-05
ENST00000503009	RP11-400D2.3		7.86	-1.80	4.14E-07	3.94E-05
T371804	G087666	GRPR	9.88	3.35	4.14E-07	3.94E-05
T351556	G082971		5.39	-1.54	4.23E-07	4.00E-05
uc.18-	uc.18	ERI3	7.12	-1.83	4.40E-07	4.12E-05
TCONS_00004576	XLOC_002486		8.25	6.12	4.46E-07	4.16E-05
T222510	G051388		5.45	1.99	4.52E-07	4.21E-05
T035309	G008022		5.34	-1.65	4.59E-07	4.26E-05
ENST00000593382	RP11-432J9.5	SGPL1	8.07	5.11	4.63E-07	4.30E-05
T137225	G032150	ATP2C2	13.55	-2.33	4.69E-07	4.32E-05
ENST00000565707	RP11-403N16.3		4.45	-2.07	4.69E-07	4.32E-05
uc.296-	uc.296		5.77	2.74	4.79E-07	4.36E-05
T295157	G069030		4.85	1.70	4.80E-07	4.37E-05
T363113	G085780	ERCC6L2	8.34	-1.54	4.84E-07	4.40E-05
T381033	G090306		5.71	-2.01	4.87E-07	4.41E-05
T364167	G086064	SLC44A1	5.08	2.21	4.89E-07	4.41E-05
ENST00000431656	LINC00459		4.50	1.81	4.93E-07	4.44E-05
T078967	G018285		5.26	-1.93	5.01E-07	4.47E-05
T010736	G002237		5.95	-2.52	5.03E-07	4.48E-05
NR_110785	DSCAS	DSC2	7.88	4.81	5.14E-07	4.57E-05
T347777	G081973		5.75	-1.70	5.18E-07	4.58E-05
uc.314+	uc.314		7.58	4.00	5.27E-07	4.65E-05
NR_125365	LOC401585		9.49	3.80	5.41E-07	4.74E-05
T331515	G077667		6.05	-1.58	5.49E-07	4.78E-05
T160448	G037037		5.92	-2.63	5.53E-07	4.80E-05
NR_120469	LINC01490		6.33	-1.97	5.53E-07	4.80E-05
NR_110813	LINC01476		7.10	-2.53	5.57E-07	4.81E-05
ENST00000444770	RP11-170M17.1		7.70	-1.52	5.56E-07	4.81E-05
T015852	G003480	DPYD	5.07	-1.47	5.57E-07	4.81E-05
T030179	G006749	FLVCR1	6.78	-2.65	5.59E-07	4.82E-05
ENST00000516005	RN7SKP18	ROS1	9.00	-1.49	5.63E-07	4.83E-05
T224308	G051797		5.43	-1.92	5.67E-07	4.85E-05
T358504	G084585		5.43	2.45	5.68E-07	4.85E-05
T030236	G006765		7.01	-2.30	5.77E-07	4.91E-05
ENST00000604228	AD001527.7	CAPNS1	8.60	-2.26	5.84E-07	4.95E-05
T012505	G002663		4.62	1.84	5.88E-07	4.96E-05
TCONS_00011877	XLOC_005368		6.94	4.55	5.89E-07	4.96E-05
T185424	G042567		8.24	-2.10	5.97E-07	5.02E-05
ENST00000455973	RP11-359N11.1		5.66	2.84	6.03E-07	5.05E-05

TCONS_00017579	XLOC_008300		5.80	-1.82	6.05E-07	5.06E-05
ENST00000582120	RP11-720L2.2	COLEC12	6.87	2.90	6.09E-07	5.07E-05
T324884	G076093		7.83	-1.74	6.16E-07	5.10E-05
NR_110426	ELDR	EGFR	6.84	-1.47	6.32E-07	5.17E-05
T290710	G067952		5.66	1.52	6.31E-07	5.17E-05
T248654	G057151	LSAMP	4.75	1.81	6.30E-07	5.17E-05
NR_104113	LINC00618		11.11	2.69	6.32E-07	5.17E-05
T163835	G038006		8.52	5.99	6.33E-07	5.17E-05
T371482	G087598		6.37	-2.49	6.50E-07	5.23E-05
uc.427+	uc.427	KCTD1	8.31	-2.06	6.50E-07	5.23E-05
T036890	G008376		5.53	-1.68	6.56E-07	5.25E-05
T321225	G075217		5.91	-1.48	6.64E-07	5.29E-05
ENST00000438151	RP11-556N4.1		5.48	2.08	6.75E-07	5.33E-05
ENST00000413504	AC011718.3		8.25	5.53	6.75E-07	5.33E-05
NR_038283	PTPRG-AS1	PTPRG	8.22	-1.80	6.81E-07	5.36E-05
ENST00000413941	RP5-1119O21.2		5.28	-2.27	6.83E-07	5.36E-05
T082953	G019238		7.74	-1.47	6.88E-07	5.38E-05
T161300	G037277		6.03	-1.51	6.91E-07	5.39E-05
TCONS_00016120	XLOC_007507		8.23	4.47	6.93E-07	5.39E-05
T012609	G002707		6.96	-2.01	6.99E-07	5.41E-05
T284253	G066275	ARHGEF28	5.27	-1.72	6.97E-07	5.41E-05
T138941	G032458	SPIRE2	6.43	4.91	6.99E-07	5.41E-05
T185147	G042505		6.37	5.82	7.02E-07	5.42E-05
T070180	G016230		6.58	-2.02	7.04E-07	5.43E-05
T272673	G063308		12.39	-1.19	7.10E-07	5.46E-05
ENST00000565401	RP11-161M6.3		5.95	5.24	7.19E-07	5.50E-05
uc002how.1	AL832615		5.92	3.10	7.21E-07	5.50E-05
ENST00000503037	RP11-217E13.1		5.41	-1.66	7.25E-07	5.52E-05
T103557	G024426		8.13	5.42	7.24E-07	5.52E-05
T078014	G018082		5.77	1.82	7.30E-07	5.54E-05
ENST00000507365	RP11-714L20.1		5.61	-2.43	7.42E-07	5.56E-05
ENST00000414053	ARSD-AS1	ARSD	5.49	-2.01	7.41E-07	5.56E-05
ENST00000481521	RN7SL277P	CAPZB	5.86	3.12	7.37E-07	5.56E-05
ENST00000598137	CTD-2542C24.8		7.87	4.38	7.45E-07	5.57E-05
T313718	G073552	ESR1	6.24	-2.42	7.50E-07	5.60E-05
T308391	G072172		5.76	-1.86	7.56E-07	5.62E-05
uc003imn.3	BC035179		8.01	-1.36	7.55E-07	5.62E-05
ENST00000451707	AC087430.1		4.02	1.92	7.54E-07	5.62E-05
T372256	G087761		5.55	-2.80	7.61E-07	5.64E-05
NR_120661	LOC101929574		5.37	-1.79	7.61E-07	5.64E-05
T105391	G024884		5.09	2.67	7.62E-07	5.64E-05
T316410	G074167		5.14	-2.25	7.84E-07	5.70E-05
TCONS_00021877	XLOC_010476		4.99	-1.37	7.78E-07	5.70E-05
T202889	G046854		6.43	-1.26	7.85E-07	5.70E-05
TCONS_00012134	XLOC_005664		9.76	5.59	7.83E-07	5.70E-05
T157850	G036367		7.02	2.53	7.91E-07	5.72E-05
T018008	G004044		7.88	3.20	7.98E-07	5.74E-05
T029450	G006570		5.17	-1.72	8.03E-07	5.76E-05
TCONS_00027001	XLOC_013049		6.61	4.49	8.18E-07	5.82E-05
T172251	G040014		8.63	6.04	8.18E-07	5.82E-05
ENST00000564854	RP13-514E23.1		5.79	-1.38	8.20E-07	5.82E-05
T364222	G086077		6.61	-2.38	8.21E-07	5.82E-05
NR_110649	LOC100507534		8.01	-2.14	8.22E-07	5.83E-05
ENST00000436804	XXbac-BPG13B8.10		6.65	3.54	8.34E-07	5.87E-05
T109929	G026038		5.61	-1.72	8.43E-07	5.88E-05

T305460	G071299		5.18	-1.46	8.47E-07	5.89E-05
NR_110812	TMEM108-AS1	TMEM108	6.23	-1.61	8.52E-07	5.91E-05
T169067	G039267	DNASE2	8.35	4.46	8.53E-07	5.91E-05
T231861	G053354		5.70	-1.92	8.60E-07	5.95E-05
T206557	G047822		6.34	2.73	8.62E-07	5.96E-05
NR_110263	LOC101929723		11.28	-2.11	8.69E-07	6.00E-05
T153991	G035679	CD300A	6.18	2.92	8.72E-07	6.02E-05
ENST00000427584	RP11-60A8.1		7.16	4.16	8.77E-07	6.03E-05
T193682	G044638		6.23	-1.27	8.85E-07	6.05E-05
T316615	G074184		5.73	-1.57	8.87E-07	6.05E-05
ENST00000435271	RP11-40C11.2	PRKG1	7.41	4.45	8.92E-07	6.08E-05
ENST00000434196	MLIP-AS1	MLIP	6.00	4.49	9.31E-07	6.24E-05
ENST00000606885	AP002856.5		6.55	4.57	9.52E-07	6.34E-05
T132593	G031110		4.40	-1.51	9.55E-07	6.35E-05
NR_126366	PIK3CD-AS2	PIK3CD	11.40	-1.44	9.55E-07	6.35E-05
T156484	G036107		7.56	-2.60	9.57E-07	6.35E-05
ENST00000413227	AC016995.3		4.50	-1.71	9.62E-07	6.38E-05
ENST00000456949	AC116614.1	SNTG2	6.50	-2.02	9.66E-07	6.38E-05
T004607	G000888		6.89	3.71	9.64E-07	6.38E-05
ENST00000579603	RP11-434D2.11		8.21	4.43	9.82E-07	6.45E-05
T292715	G068512		5.95	3.30	9.86E-07	6.45E-05
T307647	G071954		6.82	-2.67	9.94E-07	6.48E-05
TCONS_00014799	XLOC_006874		5.79	2.51	9.93E-07	6.48E-05
T376960	G089128		6.12	3.60	9.94E-07	6.48E-05
TCONS_00011326	XLOC_005348		5.93	-1.68	1.00E-06	6.50E-05
uc010bls.1	LOC390660		9.31	-1.43	1.01E-06	6.50E-05
T022789	G004930		4.85	-2.55	1.02E-06	6.55E-05
T320359	G075045	NFE2L3	7.66	3.70	1.02E-06	6.58E-05
TCONS_00019275	XLOC_009108		5.00	-2.12	1.02E-06	6.59E-05
T309582	G072509		7.08	-1.76	1.04E-06	6.64E-05
uc.359+	uc.359	NOVA1	5.30	1.73	1.04E-06	6.66E-05
ENST00000595563	CTB-191K22.5	MYH14	7.67	3.65	1.04E-06	6.66E-05
T239814	G055188		6.49	1.84	1.05E-06	6.66E-05
T224144	G051748		6.46	-2.42	1.06E-06	6.74E-05
TCONS_00001250	XLOC_000535	RAB7L1	8.64	-1.74	1.07E-06	6.76E-05
T310743	G072840		6.86	-2.54	1.09E-06	6.88E-05
T255688	G058919		8.78	3.71	1.10E-06	6.90E-05
T020558	G004539		6.88	-1.25	1.10E-06	6.91E-05
T378958	G089675		8.12	3.30	1.11E-06	6.92E-05
T077608	G017977		6.17	1.80	1.12E-06	6.96E-05
ENST00000523083	RP11-893F2.13		8.92	5.04	1.13E-06	6.97E-05
T218094	G050438		4.11	-2.22	1.14E-06	7.03E-05
uc002krz.3	BC041855		5.16	2.29	1.14E-06	7.04E-05
T251703	G057925		5.59	1.62	1.16E-06	7.13E-05
NR_110262	LOC101929723		9.33	-2.11	1.16E-06	7.15E-05
NR_120534	LINC01150		8.13	-1.73	1.18E-06	7.23E-05
T083137	G019277		7.07	-1.99	1.19E-06	7.25E-05
NR_026731	LINC01551	C14orf23	7.81	-1.40	1.19E-06	7.25E-05
TCONS_00019717	XLOC_009514		6.39	3.22	1.20E-06	7.29E-05
T210800	G048781		5.55	-1.53	1.22E-06	7.37E-05
ENST00000558421	RP11-64K12.4	DISP2	6.73	1.24	1.22E-06	7.37E-05
T012423	G002633		5.85	-1.41	1.22E-06	7.38E-05
ENST00000413315	AC092652.1	ARHGAP15	5.84	-1.89	1.23E-06	7.39E-05
ENST00000451760	RP11-96C23.10	AGAP11	6.61	1.42	1.24E-06	7.40E-05
T288535	G067443		5.83	-1.94	1.25E-06	7.41E-05

NR_126015	LOC100129461	RPP40	7.26	-2.07	1.26E-06	7.48E-05
ENST00000585706	RP11-879F14.3		7.25	1.46	1.26E-06	7.48E-05
NR_073155	C1orf145	OBSCN	7.61	4.68	1.28E-06	7.57E-05
uc.179-	uc.179	RANBP17	4.43	-1.86	1.29E-06	7.60E-05
T222044	G051317		7.02	3.07	1.30E-06	7.60E-05
ENST00000412485	GS1-600G8.5		10.57	1.13	1.31E-06	7.67E-05
ENST00000583314	RP11-769O8.1	YES1	6.70	4.47	1.32E-06	7.68E-05
ENST00000418029	AP001469.5	LSS	4.83	-2.24	1.32E-06	7.70E-05
T336142	G078819		11.91	-1.07	1.32E-06	7.70E-05
T261126	G060060		6.97	-1.63	1.33E-06	7.70E-05
T153639	G035596		5.10	1.78	1.34E-06	7.76E-05
TCONS_00011945	XLOC_005455		8.67	-1.96	1.35E-06	7.80E-05
T285272	G066557		5.60	-2.09	1.36E-06	7.83E-05
T117821	G027806	TPM1	5.44	-1.73	1.37E-06	7.85E-05
ENST00000562524	RP11-2E11.5		6.27	2.06	1.37E-06	7.85E-05
T077012	G017812		5.67	-1.97	1.38E-06	7.90E-05
TCONS_00021993	XLOC_010596	LRRC63	6.75	-1.55	1.39E-06	7.93E-05
ENST00000418393	AC004231.2	KRT23	6.23	1.82	1.42E-06	8.08E-05
ENST00000538416	RP11-656E20.5	GABARAPL1	5.33	-1.89	1.43E-06	8.12E-05
ENST00000605281	RP3-483K16.4	ELOVL5	6.46	-1.41	1.43E-06	8.12E-05
NR_024360	ZFHX4-AS1	ZFHX4	6.82	-1.15	1.44E-06	8.13E-05
T355880	G083911		6.10	3.89	1.44E-06	8.13E-05
T311710	G073062		5.38	-2.63	1.44E-06	8.15E-05
ENST00000582196	RP11-321A17.4	MYO18A	6.63	-1.19	1.45E-06	8.19E-05
T093268	G021663		9.29	-2.00	1.46E-06	8.20E-05
GSE61474_TCONS_00273127	GSE61474_XLOC_051396		5.27	3.08	1.46E-06	8.21E-05
ENST00000527528	RP11-360K13.1		6.20	1.15	1.46E-06	8.23E-05
ENST00000516474	Vault	NLK	7.42	-1.55	1.47E-06	8.24E-05
T278405	G064593		7.21	-2.08	1.47E-06	8.25E-05
uc.303-	uc.303		4.87	-1.09	1.48E-06	8.27E-05
T246296	G056615		5.27	1.25	1.48E-06	8.27E-05
ENST00000524359	CTD-2272D18.1		6.06	-1.58	1.49E-06	8.28E-05
T097072	G022798		5.88	1.98	1.49E-06	8.28E-05
T304787	G071083	PTCHD4	7.28	3.42	1.49E-06	8.28E-05
NR_109862	BRCAT54	MRPS30	10.73	3.31	1.50E-06	8.30E-05
T273150	G063431		8.93	4.40	1.50E-06	8.31E-05
T009282	G002002		5.54	-1.68	1.51E-06	8.35E-05
NR_023361	AP3S2	AP3S2	8.64	4.00	1.52E-06	8.39E-05
NR_110696	PTPRD-AS2	PTPRD	5.76	-2.05	1.53E-06	8.40E-05
T136472	G031952		4.81	-1.91	1.56E-06	8.54E-05
NR_038861	TUNAR		12.82	-1.14	1.58E-06	8.59E-05
T261474	G060141		4.82	-1.70	1.60E-06	8.64E-05
NR_038328	TEKT4P2		11.15	1.45	1.60E-06	8.64E-05
T269533	G062431	EGF	5.57	4.65	1.60E-06	8.64E-05
T271523	G062964		4.77	-2.65	1.60E-06	8.65E-05
T080886	G018633		4.95	1.28	1.60E-06	8.65E-05
T092446	G021428	MEDAG	5.69	-1.70	1.61E-06	8.65E-05
T210926	G048817		5.69	3.83	1.61E-06	8.65E-05
T029851	G006635	HHAT	5.27	1.69	1.61E-06	8.66E-05
NR_102709	UCLH1-AS1	UCLH1	6.66	2.48	1.61E-06	8.66E-05
GSE61474_TCONS_00233262	GSE61474_XLOC_043105		5.38	-1.90	1.62E-06	8.68E-05
T141895	G033051	DNAH9	5.19	-1.38	1.63E-06	8.70E-05
T224418	G051841		7.71	-2.72	1.64E-06	8.72E-05
T001937	G000297		5.94	2.29	1.64E-06	8.72E-05
ENST00000563811	RP11-351A20.1		6.40	2.71	1.64E-06	8.72E-05

TCONS_00004414	XLOC_002286		4.26	-1.62	1.65E-06	8.75E-05
T317532	G074350		6.00	2.76	1.66E-06	8.82E-05
NR_001448	ADAM5		5.04	-2.03	1.68E-06	8.85E-05
T279264	G064826	FBXL7	6.72	-1.52	1.67E-06	8.85E-05
T269719	G062492		4.41	2.20	1.68E-06	8.86E-05
T105389	G024883		5.84	-2.11	1.69E-06	8.89E-05
T158580	G036567		7.10	3.38	1.70E-06	8.90E-05
T096476	G022630		6.61	-1.75	1.70E-06	8.91E-05
T140746	G032815		5.90	3.64	1.71E-06	8.93E-05
T338889	G079495		5.58	3.68	1.71E-06	8.93E-05
T158543	G036558		9.05	-2.35	1.72E-06	8.94E-05
T280507	G065206		5.46	-2.22	1.72E-06	8.94E-05
ENST00000257935	KRT121P	KRT86	7.68	1.11	1.72E-06	8.94E-05
T371450	G087591		12.52	-1.08	1.73E-06	8.95E-05
T077481	G017959		5.30	-2.52	1.78E-06	9.18E-05
T313714	G073551	ESR1	4.22	-2.27	1.79E-06	9.18E-05
T138052	G032338		6.94	-1.31	1.79E-06	9.18E-05
T262404	G060369		6.32	1.41	1.79E-06	9.18E-05
T291011	G068025		6.29	3.83	1.79E-06	9.18E-05
NR_126334	LOC101927932	GNAS	8.27	4.76	1.79E-06	9.18E-05
T310129	G072667		5.31	-2.09	1.80E-06	9.20E-05
ENST00000436492	RP1-125N5.2		5.86	-1.26	1.80E-06	9.20E-05
ENST00000518819	RP11-181B11.2	FBXO16	4.67	-1.50	1.80E-06	9.20E-05
NR_038109	SNHG16		12.20	1.28	1.82E-06	9.28E-05
TCONS_00021032	XLOC_009637		7.53	3.79	1.85E-06	9.35E-05
T103465	G024402		6.48	-1.23	1.85E-06	9.36E-05
T331244	G077603		5.95	1.97	1.86E-06	9.38E-05
NR_024065	LINC00312		7.47	-1.49	1.87E-06	9.42E-05
uc.431-	uc.431		4.31	-1.52	1.88E-06	9.43E-05
T336706	G078953		5.08	1.96	1.91E-06	9.53E-05
ENST00000511861	CTD-2227I18.1		5.59	1.22	1.91E-06	9.53E-05
NR_110015	KCCAT333		4.50	-1.18	1.91E-06	9.55E-05
ENST00000551202	RP11-776A13.3		6.55	-2.22	1.93E-06	9.59E-05
ENST00000499685	RP11-796E2.4	BTG1	7.12	-1.61	1.94E-06	9.63E-05
TCONS_00016244	XLOC_007628		5.74	3.73	1.95E-06	9.66E-05
TCONS_00024700	XLOC_011979		6.36	-1.38	1.96E-06	9.66E-05
NR_125817	LOC101929470		5.03	-2.80	1.96E-06	9.67E-05
T274310	G063751	MFAP3L	3.90	-1.56	1.96E-06	9.67E-05
T183525	G042127		4.52	-1.62	1.98E-06	9.71E-05
uc.178-	uc.178	RANBP17	6.88	2.33	1.98E-06	9.71E-05
TCONS_00016651	XLOC_007469		7.98	-1.23	1.99E-06	9.72E-05
T131507	G030805		6.11	-1.36	2.00E-06	9.74E-05
NR_109936	LINC01370		4.66	-1.23	2.01E-06	9.74E-05
ENST00000518129	CTB-118P15.2		5.91	2.36	2.00E-06	9.74E-05
T241168	G055497		6.11	1.25	2.01E-06	9.76E-05
TCONS_00014543	XLOC_006898		4.16	-1.49	2.04E-06	9.85E-05
uc.177-	uc.177	RANBP17	6.01	-2.66	2.06E-06	9.92E-05
TCONS_00006002	XLOC_002629		7.55	1.14	2.07E-06	9.97E-05
ENST00000522570	CTD-2168K21.1		8.03	-1.10	2.08E-06	1.00E-04
T021720	G004777		4.28	-1.31	2.09E-06	1.00E-04
T217273	G050246		5.69	-1.19	2.09E-06	1.00E-04
T292931	G068549		6.09	3.45	2.09E-06	1.00E-04
TCONS_00015907	XLOC_007265		6.42	-1.64	2.13E-06	1.01E-04
T057507	G013326		5.69	-1.46	2.12E-06	1.01E-04
T272083	G063154		6.38	-1.49	2.13E-06	1.01E-04

T331572	G077688		3.98	2.93	2.14E-06	1.01E-04
ENST00000585684	RP11-456O19.2		5.45	-1.94	2.14E-06	1.01E-04
uc.158+	uc.158	TBCA	5.69	1.21	2.15E-06	1.01E-04
NR_110189	LOC101927495		8.56	-1.16	2.17E-06	1.02E-04
T365738	G086473		4.91	-1.74	2.20E-06	1.03E-04
T185529	G042588		5.87	2.83	2.20E-06	1.03E-04
T288220	G067350		5.45	-1.73	2.21E-06	1.03E-04
ENST00000392970	AC018804.7		9.66	1.08	2.23E-06	1.04E-04
T164242	G038118		4.48	1.71	2.23E-06	1.04E-04
ENST00000529234	AC022182.1		5.65	-1.06	2.25E-06	1.04E-04
T322188	G075472		6.41	-1.87	2.25E-06	1.05E-04
TCONS_00028867	XLOC_014001		5.85	-2.11	2.28E-06	1.05E-04
NR_027156	TUBBP5		5.79	-1.75	2.29E-06	1.05E-04
ENST00000398777	RP11-16N2.1		5.28	2.03	2.29E-06	1.05E-04
T246174	G056562		4.45	-1.22	2.30E-06	1.06E-04
ENST00000490324	RP11-49I4.3	NXPE3	5.64	-1.38	2.32E-06	1.06E-04
T107830	G025443	TMEM63C	4.76	1.35	2.33E-06	1.07E-04
TCONS_00000779	XLOC_000008		7.68	-1.11	2.35E-06	1.07E-04
T344438	G080993		4.82	-1.58	2.36E-06	1.08E-04
T203122	G046921		4.89	1.38	2.36E-06	1.08E-04
ENST00000564121	RP11-521O16.2		4.68	2.52	2.36E-06	1.08E-04
ENST00000584831	RP11-158I9.7		5.46	1.78	2.37E-06	1.08E-04
ENST00000599815	RP11-65J3.15		7.33	2.70	2.37E-06	1.08E-04
NR_033405	CTSLP8		13.42	1.06	2.38E-06	1.08E-04
T085027	G019703		4.95	1.04	2.42E-06	1.09E-04
ENST00000507674	CTD-2234B20.1		4.44	-1.99	2.46E-06	1.10E-04
ENST00000593653	CTD-2561J22.5		5.56	-1.30	2.48E-06	1.10E-04
ENST00000536330	RP11-955H22.1		5.34	1.53	2.52E-06	1.12E-04
T167146	G038863	VAV1	6.18	2.56	2.54E-06	1.12E-04
NR_033313	BDNF-AS	BDNF	5.93	-1.16	2.56E-06	1.13E-04
NR_038966	LOC100506585	PTPRN2	8.64	-1.13	2.56E-06	1.13E-04
T105773	G024984	SYNE2	3.82	-1.38	2.58E-06	1.13E-04
uc001phf.3	AB231724		9.05	2.85	2.59E-06	1.13E-04
uc.309+	uc.309	BTRC	5.64	3.26	2.59E-06	1.13E-04
ENST00000608064	RP11-5C23.1	PAXIP1	11.43	-1.18	2.60E-06	1.13E-04
NR_110401	MIR325HG		7.50	1.20	2.60E-06	1.13E-04
T356577	G084117		5.12	-1.89	2.62E-06	1.14E-04
T239670	G055138		5.68	1.84	2.63E-06	1.14E-04
NR_126367	PIK3CD-AS2	PIK3CD	8.93	-1.56	2.64E-06	1.14E-04
TCONS_00023840	XLOC_011614		4.47	-1.42	2.65E-06	1.14E-04
T096639	G022680		5.02	-1.33	2.65E-06	1.14E-04
ENST00000419576	RP11-561O23.7		10.32	-1.02	2.65E-06	1.14E-04
T087531	G020349	TMEM233	7.13	-2.33	2.65E-06	1.15E-04
ENST00000521975	AB015752.3		6.28	-1.36	2.68E-06	1.15E-04
T205898	G047629		12.06	-1.04	2.68E-06	1.15E-04
T112525	G026557		5.93	2.60	2.70E-06	1.16E-04
ENST00000422310	RP3-429O6.1		6.47	-1.10	2.71E-06	1.16E-04
T027822	G006255	TNNT2	6.51	-1.15	2.72E-06	1.16E-04
ENST00000417801	RP11-394O9.1		6.21	2.10	2.73E-06	1.16E-04
NR_002766	MEG3	AL117190.2	9.80	3.46	2.74E-06	1.16E-04
T101265	G023885		4.22	-1.00	2.76E-06	1.17E-04
TCONS_00015975	XLOC_007349		6.51	-1.55	2.77E-06	1.17E-04
uc022bii.1	PCA3_1	PRUNE2	6.04	-1.96	2.79E-06	1.18E-04
NR_037896	LOC340107		5.36	-1.71	2.80E-06	1.18E-04
NR_103810	LINC00540		7.18	1.00	2.81E-06	1.18E-04

T352044	G083084	ST3GAL1	6.31	1.14	2.82E-06	1.18E-04
NR_104192	MIR381HG		6.41	2.59	2.82E-06	1.18E-04
NR_110088	LOC101927497	CDK6	6.94	1.36	2.82E-06	1.18E-04
T005786	G001183		11.55	-1.05	2.83E-06	1.18E-04
T095486	G022318		4.85	4.44	2.84E-06	1.18E-04
T083771	G019445		6.27	1.27	2.84E-06	1.18E-04
T036026	G008202		6.36	-1.51	2.85E-06	1.19E-04
T344941	G081154		6.55	-2.32	2.86E-06	1.19E-04
T132395	G031056		4.50	-1.53	2.86E-06	1.19E-04
T016194	G003577		6.34	1.57	2.88E-06	1.19E-04
T128083	G029962		8.47	1.23	2.91E-06	1.20E-04
T261944	G060251		7.45	-1.86	2.91E-06	1.20E-04
uc.446-	uc.446	ZNF536	4.81	-1.40	2.92E-06	1.20E-04
T197463	G045525		10.81	-1.14	2.92E-06	1.20E-04
ENST00000416150	AC005027.3	INHBA	5.42	-1.12	2.92E-06	1.20E-04
T162932	G037683		5.57	2.55	2.92E-06	1.20E-04
TCONS_00025860	XLOC_012138		12.87	-1.54	2.94E-06	1.20E-04
T279976	G065036		5.75	3.03	2.95E-06	1.20E-04
T331576	G077691		5.17	2.24	2.96E-06	1.21E-04
T162715	G037626		6.42	1.96	2.97E-06	1.21E-04
ENST00000512405	RP11-89B16.1	FIP1L1	4.63	-1.47	2.97E-06	1.21E-04
ENST00000594899	RP11-277L2.5		8.47	-1.09	2.99E-06	1.21E-04
uc.188-	uc.188	ATXN1	13.15	-1.08	3.01E-06	1.22E-04
NR_108024	LINC01366		5.10	-1.62	3.02E-06	1.22E-04
NR_001562	ANXA2P1	TRIM2	15.03	1.92	3.03E-06	1.22E-04
uc001xeo.3	BC047625	RTN1	5.01	2.14	3.04E-06	1.22E-04
ENST00000502809	CTD-2308B18.4		11.31	-2.10	3.07E-06	1.23E-04
NR_038341	STK4-AS1	STK4	7.01	2.65	3.08E-06	1.23E-04
T112919	G026653		5.38	-1.47	3.09E-06	1.24E-04
T196010	G045146	MRPS9	4.92	-2.28	3.11E-06	1.24E-04
T151410	G035121		5.28	-1.99	3.11E-06	1.24E-04
ENST00000440889	RP4-614C15.3		5.60	-1.24	3.12E-06	1.24E-04
ENST00000424887	TCEAL3-AS1		7.15	-1.13	3.12E-06	1.24E-04
uc010vfu.3	VHDJH	AC142381.1	6.87	-1.02	3.11E-06	1.24E-04
T182672	G041962		5.12	-1.25	3.13E-06	1.24E-04
T322255	G075495		6.86	2.34	3.13E-06	1.24E-04
T382234	G090556	PNCK	5.67	-1.08	3.15E-06	1.25E-04
ENST00000454957	RP11-3B12.5		7.21	-1.68	3.16E-06	1.25E-04
GSE61474_TCONS_00287264	GSE61474_XLOC_054399		5.54	-1.80	3.17E-06	1.26E-04
ENST00000610046	RP11-2E11.10	MEST	5.79	-1.11	3.18E-06	1.26E-04
NR_109940	MEF2C-AS1	MEF2C	9.54	-1.02	3.18E-06	1.26E-04
T172408	G040031		5.83	-1.43	3.19E-06	1.26E-04
T032592	G007359		5.39	2.03	3.19E-06	1.26E-04
T118788	G028055		5.73	-1.12	3.21E-06	1.26E-04
T060504	G014066		4.94	2.42	3.22E-06	1.26E-04
uc.118-	uc.118		4.42	-1.29	3.23E-06	1.26E-04
T377417	G089301		6.77	1.74	3.23E-06	1.26E-04
ENST00000558071	RP11-798K3.2		6.98	-2.05	3.24E-06	1.26E-04
T216534	G050129		5.04	1.50	3.24E-06	1.26E-04
T139221	G032492	RPH3AL	6.56	3.76	3.26E-06	1.27E-04
NR_040117	LOC392364		6.69	-1.19	3.26E-06	1.27E-04
T340309	G079825	SLC39A14	5.94	1.60	3.27E-06	1.27E-04
T012784	G002743		6.52	4.91	3.27E-06	1.27E-04
NR_002311	VENTXP7		7.40	1.66	3.29E-06	1.28E-04
NR_105028	LINC01340		3.88	-1.70	3.30E-06	1.28E-04

NR_049793	LOC100130476	TNFAIP3	8.58	-1.33	3.31E-06	1.28E-04
T133069	G031248	HERPUD1	5.79	-1.51	3.35E-06	1.29E-04
NR_110741	LOC101928886		6.60	-1.05	3.37E-06	1.30E-04
ENST00000532068	CTD-2210P24.2		5.97	3.49	3.38E-06	1.30E-04
ENST00000564248	RP3-406A7.7		6.42	-1.37	3.40E-06	1.30E-04
ENST00000546791	RP11-100F15.2		6.16	-1.63	3.41E-06	1.30E-04
NR_026656	LOC400043		8.91	1.24	3.42E-06	1.31E-04
T356340	G084044		6.76	-1.52	3.43E-06	1.31E-04
T209245	G048410		5.81	1.22	3.46E-06	1.32E-04
GSE61474_TCONS_00267256	GSE61474_XLOC_050076	SPRY4	7.59	1.07	3.48E-06	1.32E-04
ENST00000575085	RP13-638C3.3	FOXK2	8.57	4.07	3.51E-06	1.33E-04
T235005	G054053		7.22	3.92	3.53E-06	1.34E-04
TCONS_00025508	XLOC_012318		6.19	-2.35	3.54E-06	1.34E-04
T062380	G014390	LRP5	7.31	2.30	3.55E-06	1.34E-04
T185508	G042583		5.98	-1.84	3.56E-06	1.34E-04
T359510	G084812		10.61	1.15	3.57E-06	1.34E-04
AK024561	AK024561		4.87	1.79	3.58E-06	1.34E-04
T291304	G068094	HMGXB3	6.53	-1.39	3.59E-06	1.35E-04
T103478	G024406		6.49	-1.91	3.61E-06	1.35E-04
NR_026732	LINC01551	C14orf23	9.89	-1.36	3.61E-06	1.35E-04
T302758	G070676		5.93	-2.26	3.62E-06	1.35E-04
ENST00000430520	AC068490.1		5.36	-1.17	3.67E-06	1.36E-04
T198302	G045742		5.65	2.24	3.66E-06	1.36E-04
T040805	G009378		6.19	-2.30	3.67E-06	1.36E-04
TCONS_00011982	XLOC_005493		5.26	1.50	3.68E-06	1.37E-04
ENST00000455599	RP11-177F11.1	FMN2	5.99	2.60	3.70E-06	1.37E-04
ENST00000608794	RP11-798M19.6		10.40	-1.54	3.70E-06	1.37E-04
NR_046322	STARD7-AS1	STARD7	7.25	1.08	3.72E-06	1.38E-04
T002591	G000405		4.84	-1.29	3.75E-06	1.38E-04
T063194	G014583		8.24	1.99	3.76E-06	1.38E-04
T246491	G056683		6.33	-2.10	3.76E-06	1.38E-04
T053407	G012349	MRGBPRE	7.29	-2.76	3.81E-06	1.39E-04
NR_051976	TRERNA1		5.41	2.90	3.82E-06	1.40E-04
ENST00000563772	RP11-558A11.1		6.87	3.80	3.83E-06	1.40E-04
ENST00000545593	AP000462.3	CADM1	5.47	1.99	3.84E-06	1.40E-04
uc002ftq.3	BC040634	RTN4RL1	6.28	-1.43	3.87E-06	1.41E-04
T236782	G054386		5.56	3.21	3.87E-06	1.41E-04
NR_046405	TXNDC12	TXNDC12	6.54	1.25	3.89E-06	1.41E-04
T161828	G037406		5.50	-1.81	3.92E-06	1.42E-04
T202320	G046721		4.95	-1.41	3.92E-06	1.42E-04
T292958	G068565		7.85	-1.21	3.93E-06	1.42E-04
ENST00000557121	RP11-8L8.2		4.35	-1.11	3.96E-06	1.43E-04
NR_038426	LINC01354		4.71	-1.63	4.01E-06	1.44E-04
T321624	G075327		5.93	-2.27	4.02E-06	1.44E-04
TCONS_00023347	XLOC_011210		6.08	-1.61	4.04E-06	1.44E-04
ENST00000436522	RP11-368M16.3		6.43	-1.66	4.06E-06	1.45E-04
ENST00000433101	AP000459.7		5.16	2.56	4.08E-06	1.46E-04
ENST00000550380	RP11-54A9.1		6.90	1.29	4.10E-06	1.46E-04
TCONS_00016160	XLOC_007571		7.58	1.16	4.11E-06	1.46E-04
TCONS_00013039	XLOC_006164		6.03	2.33	4.13E-06	1.47E-04
NR_026713	FAM182A		5.47	-1.79	4.14E-06	1.47E-04
ENST00000504957	RP11-18H21.3		7.36	-1.79	4.16E-06	1.47E-04
T308150	G072082		6.05	-2.16	4.19E-06	1.47E-04
T040094	G009198		5.71	-1.22	4.18E-06	1.47E-04
T367900	G086958		7.36	-1.05	4.19E-06	1.47E-04

TCONS_00015092	XLOC_007154		7.56	-1.01	4.19E-06	1.47E-04
T358179	G084499		10.51	-1.02	4.21E-06	1.48E-04
T364820	G086265		5.97	1.32	4.21E-06	1.48E-04
T026966	G006003		5.60	3.12	4.22E-06	1.48E-04
T105393	G024885		6.52	-1.17	4.25E-06	1.49E-04
T121437	G028664		12.81	-1.02	4.30E-06	1.50E-04
NR_026801	FAM74A3		6.28	2.91	4.32E-06	1.51E-04
T294701	G068922	COL23A1	5.25	2.08	4.32E-06	1.51E-04
TCONS_00006194	XLOC_002792		5.09	1.25	4.33E-06	1.51E-04
uc001pxw.1	AK091275	SORL1	6.10	1.63	4.35E-06	1.51E-04
T306101	G071509		11.80	1.69	4.36E-06	1.51E-04
ENST00000422366	HCG25	VPS52	8.01	-1.70	4.38E-06	1.52E-04
T194441	G044824		5.77	-1.26	4.39E-06	1.52E-04
T343712	G080781		4.61	-1.39	4.40E-06	1.52E-04
ENST00000542577	RP11-3L23.2		6.78	2.79	4.41E-06	1.52E-04
T177129	G040969		7.37	-1.07	4.43E-06	1.53E-04
uc.3-	uc.3	CASZ1	7.81	-1.20	4.46E-06	1.53E-04
T214988	G049718		5.68	1.70	4.52E-06	1.55E-04
T262590	G060418		5.76	-1.93	4.55E-06	1.55E-04
T288177	G067335		5.75	2.22	4.58E-06	1.56E-04
NR_109963	LOC101927869		5.41	-1.34	4.60E-06	1.56E-04
T224683	G051911		4.84	1.50	4.60E-06	1.56E-04
NR_024451	JHDM1D-AS1	KDM7A	6.90	1.68	4.64E-06	1.58E-04
ENST00000430540	RP11-473A10.2		9.95	-1.30	4.70E-06	1.58E-04
T360154	G084979	TRPM3	4.23	1.34	4.68E-06	1.58E-04
T210118	G048619		5.32	1.60	4.70E-06	1.58E-04
T319132	G074767		6.08	-1.49	4.72E-06	1.59E-04
T105423	G024888		6.70	-1.11	4.74E-06	1.59E-04
T377327	G089266		5.52	1.01	4.74E-06	1.59E-04
NR_121630	CA3-AS1	CA2	5.49	3.73	4.74E-06	1.59E-04
T027209	G006082		5.96	1.30	4.76E-06	1.60E-04
T090975	G020992		7.07	-1.71	4.79E-06	1.61E-04
ENST00000479766	HOXA11-AS		6.40	-1.35	4.81E-06	1.61E-04
ENST00000596234	CTD-2587H19.1		4.44	-1.60	4.83E-06	1.62E-04
TCONS_00017301	XLOC_008128		4.45	-1.04	4.84E-06	1.62E-04
ENST00000411554	LL22NC03-23C6.13		8.25	5.35	4.84E-06	1.62E-04
T098083	G023111		4.89	-1.26	4.86E-06	1.62E-04
ENST00000583934	RP11-138I1.4	UBB	8.20	1.19	4.87E-06	1.63E-04
NR_038918	LOC339666	RFPL3S	6.55	-2.62	4.89E-06	1.63E-04
uc.97-	uc.97	HAT1	5.27	-1.96	4.90E-06	1.63E-04
NR_120503	KCNQ5-IT1	KCNQ5	7.80	1.45	4.91E-06	1.63E-04
T151071	G035063		5.80	1.05	4.92E-06	1.64E-04
T098977	G023370		5.36	-1.24	4.94E-06	1.64E-04
ENST00000574883	RP11-517A5.7	ABCC6	5.30	1.52	4.94E-06	1.64E-04
T205366	G047483		5.52	-1.18	4.97E-06	1.64E-04
T069152	G015978		5.64	1.11	4.97E-06	1.64E-04
NR_026802	FAM74A4		7.01	1.95	4.97E-06	1.64E-04
T157395	G036272	COLEC12	6.85	2.76	4.97E-06	1.64E-04
T314127	G073670		7.11	1.51	4.99E-06	1.65E-04
T281769	G065572		7.63	1.60	5.00E-06	1.65E-04
T331380	G077643		5.06	-1.37	5.02E-06	1.65E-04
ENST00000529884	RP11-203F8.1	FAT3	5.59	-1.56	5.02E-06	1.65E-04
NR_028510	TYRO3P	ETFA	9.67	1.16	5.03E-06	1.66E-04
T141997	G033088		5.56	1.54	5.06E-06	1.66E-04
T287956	G067281		4.80	-1.30	5.08E-06	1.67E-04

T039527	G009065	EPC1	6.99	2.16	5.11E-06	1.67E-04
ENST00000444464	AC084809.3		7.08	-1.03	5.13E-06	1.68E-04
T037124	G008421	CELF2	6.81	-1.73	5.16E-06	1.68E-04
T161213	G037248		7.49	-1.59	5.16E-06	1.68E-04
T187490	G043038		8.95	1.36	5.16E-06	1.68E-04
T330987	G077522	LAMB1	7.44	-1.16	5.18E-06	1.68E-04
T102579	G024141		5.52	2.34	5.18E-06	1.68E-04
T036070	G008220		8.37	1.83	5.21E-06	1.69E-04
ENST00000433377	RP5-866L20.1		5.25	1.51	5.22E-06	1.69E-04
T278697	G064653		5.55	1.74	5.23E-06	1.69E-04
T086702	G020122		6.64	2.68	5.22E-06	1.69E-04
T093863	G021805		6.57	-1.36	5.23E-06	1.69E-04
T093525	G021733	DGKH	5.08	3.61	5.24E-06	1.69E-04
ENST00000549807	RP11-818F20.5	TXNRD1	9.51	-1.10	5.27E-06	1.70E-04
T323055	G075633		6.03	-2.22	5.27E-06	1.70E-04
T306197	G071530		4.91	-1.30	5.28E-06	1.70E-04
T103213	G024322		7.67	2.78	5.28E-06	1.70E-04
T282538	G065819		5.80	-1.16	5.31E-06	1.71E-04
T129352	G030313		5.36	1.14	5.34E-06	1.72E-04
ENST00000434541	AC147651.1		9.64	-1.02	5.35E-06	1.72E-04
T213350	G049285		5.64	-1.47	5.37E-06	1.72E-04
ENST00000525855	RP11-958J22.1		5.21	-1.19	5.37E-06	1.72E-04
TCONS_I2_00006273	XLOC_I2_003391		5.06	-1.52	5.39E-06	1.72E-04
T217410	G050266		6.39	1.38	5.39E-06	1.72E-04
ENST00000545750	RP11-221N13.2		6.40	2.86	5.41E-06	1.73E-04
T297427	G069488		5.59	-1.51	5.45E-06	1.74E-04
ENST00000428508	RP11-353N4.1		12.86	-1.23	5.45E-06	1.74E-04
ENST00000449602	AJ006998.2		6.02	1.46	5.46E-06	1.74E-04
ENST00000520844	CTD-2340D6.2	VPS13B	5.91	-1.10	5.47E-06	1.74E-04
T284782	G066435		4.64	2.07	5.47E-06	1.74E-04
NR_117102	CASC11		6.96	1.57	5.50E-06	1.75E-04
ENST00000520882	AC005740.5	RNF14	7.12	1.58	5.51E-06	1.75E-04
ENST00000451510	RP4-719C8.1	PHACTR3	7.27	3.93	5.54E-06	1.75E-04
T351302	G082935		6.69	3.58	5.56E-06	1.76E-04
T302889	G070715		5.47	-2.51	5.60E-06	1.76E-04
T332144	G077858		5.49	4.26	5.60E-06	1.76E-04
ENST00000529078	RP4-710M3.2	MPPED2	4.39	-1.15	5.61E-06	1.76E-04
TCONS_00020237	XLOC_009900		6.43	-1.57	5.63E-06	1.77E-04
T189258	G043510		7.67	-1.52	5.63E-06	1.77E-04
T370699	G087409		6.51	1.28	5.64E-06	1.77E-04
ENST00000419668	AC002454.1		6.93	1.47	5.68E-06	1.78E-04
TCONS_00020439	XLOC_009769		7.92	3.27	5.68E-06	1.78E-04
T133895	G031500	CDH5	7.57	-1.02	5.70E-06	1.78E-04
ENST00000416509	AC107079.1		6.14	-1.91	5.73E-06	1.78E-04
TCONS_00018995	XLOC_008899		4.36	-1.85	5.71E-06	1.78E-04
TCONS_00015529	XLOC_007237		6.85	1.12	5.72E-06	1.78E-04
TCONS_00019149	XLOC_009180		6.09	2.24	5.73E-06	1.78E-04
TCONS_00012358	XLOC_005917		7.46	2.97	5.74E-06	1.78E-04
T129230	G030262		5.97	3.18	5.77E-06	1.79E-04
ENST00000565127	RP11-157P23.2		6.34	3.36	5.77E-06	1.79E-04
ENST00000454777	RP11-310H4.1	VOPP1	7.59	-1.24	5.78E-06	1.79E-04
ENST00000553478	RP11-266O8.1		5.68	-1.69	5.80E-06	1.79E-04
T267262	G061856		6.05	1.43	5.80E-06	1.79E-04
uc002zpq.1	U84523	UFD1L	7.23	2.72	5.82E-06	1.80E-04
ENST00000576632	CTD-2529O21.1	TBC1D16	5.01	2.71	5.88E-06	1.81E-04

T251457	G057848		5.84	-1.21	5.89E-06	1.81E-04
ENST00000585228	RP11-471L13.2		8.02	1.18	5.89E-06	1.81E-04
NR_109990	NRSN2-AS1	SOX12	10.65	1.21	5.90E-06	1.81E-04
NR_003087	ABCC13		5.00	1.24	5.91E-06	1.81E-04
uc.172-	uc.172	KIAA0825	4.30	-1.00	5.93E-06	1.82E-04
uc.8+	uc.8	CASZ1	5.08	2.50	5.93E-06	1.82E-04
TCONS_00029622	XLOC_014278		4.29	-1.38	5.94E-06	1.82E-04
T119773	G028287		6.49	-1.15	5.94E-06	1.82E-04
T133268	G031288	GPR97	6.63	1.13	5.95E-06	1.82E-04
T081645	G018872		5.10	1.35	5.98E-06	1.82E-04
T298769	G069826		6.00	2.00	5.99E-06	1.82E-04
T272528	G063265		6.06	2.98	6.00E-06	1.82E-04
T201653	G046591		5.96	4.47	6.00E-06	1.82E-04
ENST00000553410	RP11-692C24.1		4.78	2.28	6.03E-06	1.83E-04
T016663	G003729	FAM102B	5.60	4.35	6.04E-06	1.83E-04
T148655	G034510		7.44	-1.01	6.05E-06	1.83E-04
ENST00000609134	RP11-5C23.2	PAXIP1	10.25	-1.30	6.07E-06	1.84E-04
T015743	G003452		6.10	1.23	6.07E-06	1.84E-04
T233293	G053669		5.44	1.51	6.09E-06	1.84E-04
NR_040076	MAMDC2-AS1	MAMDC2	6.87	-1.75	6.10E-06	1.84E-04
ENST00000416842	AP001042.1		5.13	-1.45	6.13E-06	1.85E-04
T005730	G001167		6.05	-1.40	6.13E-06	1.85E-04
T331223	G077600	IMMP2L	6.90	-1.38	6.14E-06	1.85E-04
NR_001574	RBMY2EP		7.52	-1.34	6.15E-06	1.85E-04
T075764	G017470		6.73	-1.33	6.13E-06	1.85E-04
TCONS_00013634	XLOC_006297		6.57	1.04	6.13E-06	1.85E-04
NR_109780	LOC100506860		11.20	1.05	6.13E-06	1.85E-04
ENST00000598131	CTC-513N18.6		5.87	1.19	6.16E-06	1.85E-04
ENST00000434255	RP1-32B1.4		9.05	1.36	6.17E-06	1.85E-04
ENST00000567614	WI2-89031B12.1		9.52	-1.58	6.17E-06	1.85E-04
uc001szi.3	AK022997		12.18	-1.71	6.19E-06	1.85E-04
NR_103770	LOC100287728		10.01	-1.14	6.22E-06	1.85E-04
T379547	G089858		5.15	-1.06	6.23E-06	1.86E-04
T193738	G044675		7.00	-1.15	6.25E-06	1.86E-04
ENST00000606879	RP11-689C9.1		6.36	1.76	6.24E-06	1.86E-04
T219759	G050813		6.61	-1.60	6.32E-06	1.87E-04
ENST00000457115	RP11-136C24.2	POMGNT2	3.95	-1.58	6.31E-06	1.87E-04
T044397	G010263	C10orf11	7.77	1.01	6.35E-06	1.88E-04
ENST00000531617	CTD-2514K5.2	TTYH2	7.60	1.14	6.37E-06	1.88E-04
ENST00000559303	RP11-317G6.1	HERC1	4.75	1.55	6.41E-06	1.88E-04
T074944	G017266		6.73	3.49	6.43E-06	1.88E-04
NR_034089	LOC100131564	DR1	7.05	1.46	6.44E-06	1.89E-04
T184556	G042397		5.88	1.19	6.46E-06	1.89E-04
T048433	G011291		9.35	-1.79	6.51E-06	1.90E-04
T205969	G047649		6.10	1.28	6.56E-06	1.91E-04
ENST00000527483	RP11-383C5.4	EDRF1	7.65	2.43	6.56E-06	1.91E-04
ENST00000569833	RP11-268G13.1		5.77	1.88	6.60E-06	1.92E-04
TCONS_00022868	XLOC_011119		6.99	-1.15	6.70E-06	1.93E-04
T283693	G066122		6.84	1.18	6.70E-06	1.93E-04
T113975	G026909		6.96	-1.66	6.74E-06	1.94E-04
T110446	G026173		6.37	1.23	6.75E-06	1.94E-04
T268800	G062249		5.06	2.35	6.77E-06	1.94E-04
T186250	G042744	EFR3B	5.45	1.74	6.84E-06	1.95E-04
NR_103486	DNM3OS	DNM3	9.58	-1.89	6.86E-06	1.96E-04
T381322	G090392		5.91	-1.40	6.88E-06	1.96E-04

T202648	G046815		5.43	1.41	6.92E-06	1.97E-04
T042458	G009752	BICC1	4.84	-1.88	6.97E-06	1.98E-04
NR_002818	RNF126P1		8.91	1.03	7.02E-06	1.99E-04
T024665	G005378		5.84	1.52	7.04E-06	1.99E-04
T195306	G044998		5.45	2.58	7.04E-06	1.99E-04
T198663	G045849		4.54	1.19	7.06E-06	1.99E-04
NR_126054	LOC101928697	TUBA3C	5.81	1.60	7.06E-06	1.99E-04
T259992	G059798		6.11	3.07	7.06E-06	1.99E-04
T209512	G048474		5.88	1.75	7.07E-06	2.00E-04
T043697	G010121		5.27	1.10	7.08E-06	2.00E-04
NR_045388	RBM5-AS1	RBM5	4.56	-1.17	7.10E-06	2.00E-04
ENST00000559672	RP11-108K3.2	CYP19A1	5.64	1.63	7.14E-06	2.01E-04
T015841	G003476		6.03	-1.85	7.15E-06	2.01E-04
T183585	G042151		5.84	2.44	7.16E-06	2.02E-04
NR_131243	SMCR2		8.23	1.13	7.20E-06	2.02E-04
T317645	G074379	CARD11	6.75	3.06	7.19E-06	2.02E-04
NR_033987	FLJ37505		7.00	-1.40	7.25E-06	2.02E-04
ENST00000451979	SPIN4-AS1	SPIN4	6.64	-1.34	7.26E-06	2.02E-04
T013242	G002874		5.34	2.60	7.26E-06	2.02E-04
T332214	G077872		6.63	-2.24	7.27E-06	2.02E-04
ENST00000541860	RP11-59N23.3	LDHB	6.25	-1.95	7.29E-06	2.03E-04
ENST00000435832	RP5-827O9.1		4.81	-1.32	7.29E-06	2.03E-04
ENST00000520980	CTD-2283N19.1	FBXO38	6.04	1.28	7.29E-06	2.03E-04
ENST00000531702	C6orf3	TRAF3IP2	10.34	-1.30	7.30E-06	2.03E-04
T171366	G039741		4.01	-1.12	7.36E-06	2.04E-04
T240875	G055454		6.34	2.03	7.37E-06	2.04E-04
T232632	G053523	LARGE	5.14	-1.09	7.39E-06	2.05E-04
ENST00000450847	RP11-407H12.8		5.27	-1.99	7.40E-06	2.05E-04
T367353	G086831		4.50	-1.49	7.42E-06	2.05E-04
TCONS_00008282	XLOC_003724		6.26	3.82	7.43E-06	2.05E-04
ENST00000433505	RP11-426L16.8		6.34	1.00	7.44E-06	2.05E-04
T199121	G045948		6.47	1.33	7.46E-06	2.06E-04
T366813	G086722	STXBP1	8.41	4.51	7.48E-06	2.06E-04
T157498	G036302		5.40	1.08	7.49E-06	2.06E-04
T372964	G087979		5.94	2.77	7.50E-06	2.06E-04
T234098	G053849	FAM83F	8.11	1.01	7.51E-06	2.06E-04
NR_003239	SNHG11		7.25	2.09	7.52E-06	2.06E-04
T277953	G064450		6.39	-1.23	7.55E-06	2.07E-04
T102400	G024073		5.76	1.31	7.57E-06	2.07E-04
T081459	G018820		6.98	1.71	7.59E-06	2.07E-04
uc003xuc.1	AK124262		4.55	1.58	7.62E-06	2.08E-04
TCONS_00014575	XLOC_006685		3.87	-1.63	7.63E-06	2.08E-04
T213063	G049174		6.38	2.23	7.65E-06	2.08E-04
T260580	G059939	TADA2B	5.08	1.32	7.66E-06	2.08E-04
T305035	G071178		5.93	-2.50	7.67E-06	2.08E-04
T048711	G011370		6.24	-1.14	7.73E-06	2.09E-04
T041774	G009575		4.53	-2.21	7.76E-06	2.10E-04
T095825	G022421		4.55	-1.04	7.76E-06	2.10E-04
T027180	G006072		5.25	-1.67	7.79E-06	2.10E-04
uc002hmk.1	AX747639	TBC1D3H	6.19	3.17	7.80E-06	2.10E-04
NR_120374	CERS3-AS1	CERS3	5.11	2.67	7.97E-06	2.14E-04
T175111	G040579		4.74	-1.67	8.04E-06	2.15E-04
TCONS_I2_00025079	XLOC_I2_012374		5.63	-1.34	8.06E-06	2.16E-04
T278201	G064528		7.75	2.00	8.11E-06	2.17E-04
T045392	G010524		5.47	3.30	8.12E-06	2.17E-04

ENST00000492683	RP11-64C1.1		6.98	-1.15	8.18E-06	2.18E-04
ENST00000448825	RP11-307O10.1		5.19	1.76	8.18E-06	2.18E-04
NR_038950	LARGE-AS1	LARGE	5.74	4.26	8.18E-06	2.18E-04
T017624	G003943		5.35	-1.49	8.19E-06	2.18E-04
T330158	G077330		5.34	1.01	8.24E-06	2.19E-04
T094836	G022070		6.11	-1.31	8.26E-06	2.19E-04
T307422	G071880		11.76	-1.03	8.31E-06	2.20E-04
TCONS_00004253	XLOC_002096		5.73	-2.21	8.37E-06	2.21E-04
uc003pkm.3	AK024998		8.77	1.07	8.42E-06	2.22E-04
ENST00000456904	AP001442.2	APP	5.61	1.28	8.47E-06	2.23E-04
T314745	G073856	MAP3K4	5.09	1.44	8.47E-06	2.23E-04
NR_046615	ITIH4-AS1	ITIH4	6.69	1.61	8.53E-06	2.24E-04
TCONS_00024152	XLOC_011520		5.22	-1.31	8.57E-06	2.24E-04
ENST00000550378	RP11-1028N23.3		4.70	1.52	8.56E-06	2.24E-04
uc004ami.1	AK097447	SPATA31D3	8.82	2.22	8.57E-06	2.24E-04
T064057	G014739		5.65	-1.43	8.60E-06	2.25E-04
T083748	G019440		6.78	2.46	8.60E-06	2.25E-04
T136989	G032091		4.06	1.64	8.62E-06	2.25E-04
T348187	G082098	LAPTM4B	5.83	1.07	8.65E-06	2.25E-04
T127088	G029674		5.79	1.76	8.66E-06	2.25E-04
ENST00000584075	RP11-285E9.5		4.73	-1.98	8.71E-06	2.26E-04
NR_024475	LINC00704		7.92	2.11	8.73E-06	2.26E-04
T069004	G015950		4.04	-2.04	8.76E-06	2.26E-04
NR_034015	LINC01135		11.36	-1.26	8.76E-06	2.26E-04
T249243	G057314	PARP14	7.13	-1.06	8.76E-06	2.26E-04
TCONS_00018256	XLOC_008538		6.13	1.28	8.76E-06	2.26E-04
TCONS_00018496	XLOC_008802		7.80	-1.67	8.81E-06	2.27E-04
T359965	G084919	FXN	5.51	1.17	8.82E-06	2.28E-04
T157816	G036361		5.86	2.26	8.84E-06	2.28E-04
ENST00000444079	AC093326.3		5.96	-1.21	8.87E-06	2.29E-04
T075505	G017406		4.13	-1.78	8.89E-06	2.29E-04
T190956	G043969	ETAA1	4.18	1.22	8.89E-06	2.29E-04
T030550	G006862		5.69	1.73	8.88E-06	2.29E-04
ENST00000514867	CTC-573M9.1	SLC27A6	5.96	1.71	8.90E-06	2.29E-04
ENST00000434533	RP11-144G6.4	AGAP10	6.55	1.53	8.93E-06	2.29E-04
ENST00000544667	RP11-465L8.1	KSR2	10.28	-1.03	8.96E-06	2.29E-04
ENST00000605586	RP1-142L7.8	LAMA4	6.11	1.31	8.95E-06	2.29E-04
T056766	G013132		5.28	1.75	8.96E-06	2.29E-04
T076449	G017602		5.99	2.06	8.95E-06	2.29E-04
ENST00000550319	RP11-474P2.2	SLC38A2	8.55	2.75	8.94E-06	2.29E-04
T196519	G045291	SH3RF3	5.15	1.02	9.03E-06	2.30E-04
ENST00000473756	LINC00973		12.09	1.50	9.04E-06	2.30E-04
T341469	G080147		5.91	2.67	9.05E-06	2.30E-04
ENST00000452578	RP11-20J15.3	C10orf142	7.05	-1.24	9.07E-06	2.31E-04
T024020	G005170		5.14	1.44	9.10E-06	2.31E-04
ENST00000581996	RP11-17M16.2	ZNF516	10.02	1.01	9.15E-06	2.32E-04
T161460	G037317		4.93	1.39	9.16E-06	2.32E-04
NR_110591	LOC101927318	AQP2	6.32	-1.13	9.21E-06	2.33E-04
NR_033967	SLC2A1-AS1	SLC2A1	6.21	-1.04	9.25E-06	2.34E-04
T083444	G019367		4.34	-1.80	9.28E-06	2.34E-04
ENST00000558370	CTD-2007H18.1		7.65	-1.17	9.32E-06	2.35E-04
TCONS_00015739	XLOC_007532		6.88	1.02	9.32E-06	2.35E-04
T112371	G026529		8.34	-1.97	9.36E-06	2.36E-04
uc021uqd.1	AK095221	RAB8A	6.22	-1.27	9.37E-06	2.36E-04
T127906	G029904		5.30	1.30	9.39E-06	2.36E-04

NR_045005	OR10V2P	STX3	4.49	1.46	9.39E-06	2.36E-04
T162581	G037595		5.21	2.21	9.40E-06	2.36E-04
TCONS_00004755	XLOC_001435		4.99	-1.93	9.41E-06	2.36E-04
NR_109952	LOC101927051	SH3BP1	7.31	-1.36	9.45E-06	2.37E-04
uc031szq.1	AL162052		3.86	1.82	9.48E-06	2.37E-04
GSE61474_TCONS_00329799	GSE61474_XLOC_063835		5.64	2.33	9.52E-06	2.38E-04
T205189	G047450		5.95	1.42	9.56E-06	2.39E-04
T235710	G054215		4.60	-1.72	9.57E-06	2.39E-04
ENST00000602665	RP11-178L8.8	FBXO31	6.55	-1.33	9.58E-06	2.39E-04
uc.104-	uc.104	OLA1	4.98	-2.22	9.71E-06	2.41E-04
uc001syr.3	BC047615		5.75	1.43	9.75E-06	2.42E-04
T197639	G045579	INSIG2	6.87	3.22	9.78E-06	2.42E-04
T333438	G078174	PODXL	6.36	1.08	9.81E-06	2.43E-04
T279591	G064924		6.69	1.49	9.83E-06	2.43E-04
ENST00000412639	RP3-510D11.2		8.20	-1.36	9.85E-06	2.43E-04
T218218	G050468		6.19	-1.97	9.85E-06	2.43E-04
ENST00000472238	RP11-875H7.5		4.14	-1.97	9.92E-06	2.44E-04
TCONS_00027903	XLOC_013461		7.63	-1.54	9.92E-06	2.44E-04
ENST00000518861	RP11-100L22.4		5.15	4.18	9.90E-06	2.44E-04
T039160	G008955		5.40	-1.85	9.95E-06	2.44E-04
ENST00000420213	AC128709.2		7.45	-1.01	9.97E-06	2.44E-04
T361959	G085501		6.00	2.79	9.97E-06	2.44E-04
T294244	G068858	LMAN2	4.64	1.26	9.98E-06	2.44E-04
T358999	G084709		5.56	-1.28	1.00E-05	2.44E-04
T265440	G061340		5.80	1.89	1.00E-05	2.44E-04
ENST00000607586	U91328.20		10.52	-1.54	1.00E-05	2.44E-04
TCONS_00028493	XLOC_013449		7.39	-1.20	1.00E-05	2.44E-04
T027945	G006280	LMOD1	5.93	1.53	1.00E-05	2.44E-04
T269612	G062459		6.31	-1.67	1.01E-05	2.45E-04
uc.260-	uc.260		5.61	-1.39	1.01E-05	2.45E-04
T213162	G049209		4.31	-1.47	1.02E-05	2.45E-04
T002955	G000524		9.29	-1.06	1.02E-05	2.47E-04
T323282	G075660		5.52	-1.73	1.02E-05	2.47E-04
ENST00000509037	RP11-19O2.2	43170	5.28	1.75	1.03E-05	2.48E-04
ENST00000447908	RP4-704D23.1		9.86	1.71	1.03E-05	2.48E-04
T366017	G086554		4.49	-1.26	1.04E-05	2.49E-04
T009776	G002078	RNF220	5.03	1.77	1.04E-05	2.49E-04
T255381	G058862		7.92	1.06	1.04E-05	2.49E-04
T091002	G020999	CRYL1	4.28	-2.04	1.04E-05	2.49E-04
uc.160-	uc.160		5.21	-1.48	1.04E-05	2.50E-04
T252766	G058209		6.18	2.30	1.04E-05	2.50E-04
NR_034107	LOC257396	MOCS2	6.34	1.09	1.04E-05	2.50E-04
ENST00000568286	RP11-142G1.1		5.97	-2.49	1.05E-05	2.51E-04
T356321	G084032		7.04	2.55	1.06E-05	2.52E-04
T245105	G056233		6.15	1.43	1.06E-05	2.53E-04
T253779	G058467		5.41	-1.22	1.07E-05	2.54E-04
T077107	G017836	PRICKLE1	6.93	1.04	1.07E-05	2.54E-04
T053677	G012396	OR52K1	6.73	-1.49	1.07E-05	2.55E-04
ENST00000606564	RP3-406P24.4		6.00	-1.33	1.07E-05	2.55E-04
NR_038268	LINC00840		8.43	-1.72	1.08E-05	2.55E-04
ENST00000575612	CTC-508F8.1	DNAH3	7.67	1.17	1.08E-05	2.55E-04
ENST00000519892	CTB-105L4.2	TENM2	6.32	-1.14	1.08E-05	2.55E-04
T093707	G021773		6.77	1.13	1.08E-05	2.55E-04
T186231	G042741		5.65	1.98	1.08E-05	2.55E-04
T065391	G015061		7.46	1.48	1.09E-05	2.56E-04

ENST00000561655	RP11-475B2.1		5.95	-1.52	1.09E-05	2.57E-04
NR_046097	LOC284581		6.85	2.03	1.09E-05	2.57E-04
T086903	G020171		5.35	2.12	1.10E-05	2.58E-04
NR_109994	LOC101926889	ENTPD6	5.39	-1.69	1.11E-05	2.59E-04
TCONS_00027419	XLOC_013407		5.24	2.44	1.11E-05	2.60E-04
T019705	G004365		5.11	1.15	1.11E-05	2.60E-04
T143266	G033334		4.21	1.92	1.11E-05	2.60E-04
NR_110092	LOC101928731	CRADD	5.59	-2.33	1.12E-05	2.60E-04
T232717	G053549		6.17	-1.39	1.12E-05	2.61E-04
ENST00000510391	RP11-116O11.1	CDH10	5.88	1.07	1.12E-05	2.61E-04
GSE61474_TCONS_00204476	GSE61474_XLOC_037364		6.15	1.10	1.12E-05	2.62E-04
T252326	G058124		6.45	-2.09	1.13E-05	2.62E-04
T196011	G045150	MRPS9	5.49	1.69	1.13E-05	2.62E-04
NR_024178	YWHAEP7		5.54	-1.39	1.13E-05	2.62E-04
T239365	G055046		7.48	-1.23	1.13E-05	2.62E-04
T048897	G011418		7.04	-1.13	1.13E-05	2.63E-04
NR_024499	FMR1-AS1	FMR1	8.13	1.06	1.13E-05	2.63E-04
T073378	G016850		8.00	3.22	1.14E-05	2.63E-04
T342650	G080423		4.91	2.97	1.14E-05	2.64E-04
T313111	G073365		4.42	-1.76	1.14E-05	2.64E-04
ENST00000569966	AP001505.9		6.29	-1.81	1.14E-05	2.64E-04
T358713	G084653		6.43	1.15	1.15E-05	2.65E-04
NR_002931	CLEC4GP1		7.32	-1.16	1.15E-05	2.65E-04
T276088	G064170		4.48	-1.88	1.16E-05	2.67E-04
T108737	G025720		6.75	-2.06	1.16E-05	2.67E-04
ENST00000510905	RP11-302F12.10	SEL1L3	7.22	-1.26	1.18E-05	2.70E-04
T304841	G071119		5.08	-3.36	1.18E-05	2.70E-04
T030341	G006791	PTPN14	5.43	1.37	1.19E-05	2.71E-04
T037255	G008461	CDC123	6.21	-1.76	1.19E-05	2.71E-04
GSE61474_TCONS_00292990	GSE61474_XLOC_055579		6.07	1.22	1.19E-05	2.71E-04
ENST00000424010	AC010980.2		8.62	-1.54	1.19E-05	2.71E-04
ENST00000427387	RP11-383M4.2	SPATA31D4	6.28	1.19	1.19E-05	2.71E-04
T313462	G073474	GINM1	5.45	-1.22	1.20E-05	2.72E-04
ENST00000427169	RP11-495P10.5	NBPF8	9.48	1.03	1.19E-05	2.72E-04
T096398	G022612		5.60	1.56	1.20E-05	2.72E-04
uc.83-	uc.83		7.17	-1.17	1.20E-05	2.72E-04
T275194	G063967		5.43	1.70	1.20E-05	2.72E-04
T197466	G045528		6.43	-1.25	1.20E-05	2.72E-04
T204050	G047155	CERKL	10.58	-1.25	1.20E-05	2.72E-04
T024252	G005261		5.09	-1.93	1.20E-05	2.73E-04
T113215	G026713		5.04	1.88	1.21E-05	2.74E-04
ENST00000528139	RP11-1134I14.8		6.43	-2.09	1.21E-05	2.74E-04
T075956	G017505		4.53	-1.35	1.22E-05	2.74E-04
NR_051990	FRMD6-AS2	FRMD6	5.38	-1.15	1.22E-05	2.75E-04
T093267	G021662		5.76	1.39	1.22E-05	2.75E-04
NR_104156	NRG1-IT1	NRG1	7.70	1.51	1.22E-05	2.75E-04
T232757	G053563		5.34	2.11	1.23E-05	2.76E-04
TCONS_00001215	XLOC_000482		6.56	1.96	1.24E-05	2.77E-04
T121572	G028696		8.64	-1.12	1.24E-05	2.78E-04
ENST00000503267	RP11-321E2.4		4.51	-1.10	1.24E-05	2.78E-04
uc003z mh.1	BX648501	C9orf92	6.84	2.02	1.24E-05	2.78E-04
ENST00000518765	RP11-527N22.1		6.99	1.02	1.25E-05	2.79E-04
GSE61474_TCONS_00075345	GSE61474_XLOC_014336		5.77	-1.52	1.26E-05	2.80E-04
T375369	G088599		5.10	-2.07	1.27E-05	2.80E-04
T344036	G080890	SOX17	5.92	-1.35	1.26E-05	2.80E-04

ENST00000530418	RP11-222N13.1		4.77	2.35	1.27E-05	2.80E-04
T354996	G083661		5.70	3.73	1.27E-05	2.80E-04
TCONS_00018344	XLOC_008625		5.95	2.42	1.27E-05	2.81E-04
T282884	G065901	PDE4D	4.59	-1.58	1.27E-05	2.81E-04
T193685	G044640		6.61	2.23	1.28E-05	2.82E-04
T056743	G013129	WT1	4.94	-1.63	1.28E-05	2.82E-04
T224293	G051789		4.53	2.02	1.28E-05	2.82E-04
ENST00000562182	RP11-744K17.1		6.09	-1.11	1.28E-05	2.82E-04
T373827	G088207		5.44	1.19	1.30E-05	2.85E-04
TCONS_00015979	XLOC_007354		5.55	-1.08	1.31E-05	2.87E-04
T324795	G076067		5.90	-2.29	1.32E-05	2.88E-04
T015988	G003518		10.68	-1.30	1.32E-05	2.88E-04
T363238	G085814	CDC14B	5.26	1.26	1.32E-05	2.88E-04
T370697	G087408		6.25	1.60	1.32E-05	2.88E-04
T118430	G027964		5.71	1.12	1.34E-05	2.91E-04
T222636	G051401		4.61	2.10	1.35E-05	2.92E-04
ENST00000422914	RP11-733O18.1		9.14	-1.42	1.35E-05	2.92E-04
T343308	G080655		4.72	-1.67	1.36E-05	2.95E-04
NR_108093	LINC01099	LINC01098	6.28	-1.16	1.37E-05	2.96E-04
ENST00000453714	AC012370.3		4.28	2.31	1.37E-05	2.96E-04
T045425	G010536		4.20	-1.50	1.37E-05	2.96E-04
NR_110677	LINC01360		7.46	1.08	1.38E-05	2.97E-04
T133054	G031241		5.56	1.93	1.38E-05	2.97E-04
ENST00000514061	CTC-303L1.2	KIAA0825	7.69	2.69	1.38E-05	2.97E-04
T286934	G066939		7.24	-1.25	1.39E-05	2.99E-04
T272875	G063356	PET112	6.22	-1.27	1.40E-05	2.99E-04
uc001qtw.1	BC039122	NECAP1	8.46	-1.14	1.40E-05	2.99E-04
T093343	G021675		5.71	-1.08	1.40E-05	2.99E-04
ENST00000524309	RP11-659E9.2		5.41	1.07	1.41E-05	3.01E-04
NR_038433	LINC00330		4.77	-1.46	1.41E-05	3.01E-04
T217725	G050357		7.25	1.14	1.41E-05	3.01E-04
T199177	G045955	PTPN18	4.74	-1.28	1.42E-05	3.02E-04
T093894	G021818		6.46	1.06	1.42E-05	3.02E-04
ENST00000568143	RP11-84D1.2		5.71	1.42	1.42E-05	3.02E-04
ENST00000444436	RP5-1031J8.1		6.15	1.31	1.43E-05	3.03E-04
TCONS_I2_00021133	XLOC_I2_011118		6.47	1.12	1.43E-05	3.04E-04
T313677	G073546		6.39	1.04	1.44E-05	3.04E-04
NR_047116	HIF1A-AS1	HIF1A	8.42	1.02	1.44E-05	3.04E-04
T133594	G031404		5.64	1.87	1.44E-05	3.04E-04
ENST00000568026	RP11-916L7.1		7.01	-1.17	1.45E-05	3.05E-04
ENST00000417609	AC011752.1		4.06	-1.12	1.45E-05	3.05E-04
T157694	G036322		4.00	-2.27	1.46E-05	3.08E-04
T075712	G017458		5.26	-1.58	1.48E-05	3.11E-04
ENST00000442482	RP1-138B7.5	L3MBTL1	6.17	-1.08	1.50E-05	3.14E-04
ENST00000413708	AC096669.1		5.50	-1.19	1.50E-05	3.15E-04
T251693	G057923		5.07	-1.30	1.52E-05	3.17E-04
ENST00000515840	RP11-322J23.1		4.58	-1.27	1.53E-05	3.18E-04
T285677	G066650		5.33	1.28	1.53E-05	3.18E-04
T132753	G031149		6.98	-1.28	1.54E-05	3.18E-04
T221159	G051149		6.63	-1.48	1.54E-05	3.19E-04
ENST00000420044	RP5-1077I2.3	ISM1	6.88	1.48	1.55E-05	3.20E-04
T168731	G039180	ZNF491	5.30	1.49	1.55E-05	3.20E-04
T330734	G077449		5.78	2.06	1.55E-05	3.20E-04
T205515	G047541		4.08	1.73	1.55E-05	3.21E-04
ENST00000567484	RP11-429B14.4		9.20	-1.54	1.55E-05	3.21E-04

T360770	G085194		4.90	-1.26	1.56E-05	3.22E-04
T168720	G039174		7.25	1.12	1.56E-05	3.23E-04
T016304	G003610		6.64	1.16	1.57E-05	3.23E-04
T331078	G077542		5.01	2.54	1.57E-05	3.24E-04
T328849	G077112		7.09	-1.08	1.57E-05	3.24E-04
T239012	G054907		5.63	1.07	1.58E-05	3.25E-04
T013758	G003017		6.22	1.11	1.58E-05	3.25E-04
ENST00000566764	RP11-21M24.3	CDR2	6.50	1.15	1.59E-05	3.26E-04
uc021rpq.1	TCRVA13		6.57	-1.32	1.59E-05	3.26E-04
ENST00000454572	RP5-1165K10.2	UBE2D4	9.66	-1.01	1.59E-05	3.26E-04
ENST00000424931	RP11-416N4.4		6.78	-1.49	1.60E-05	3.27E-04
T037233	G008451	UPF2	5.86	-1.39	1.60E-05	3.27E-04
NR_122033	KRBOX1-AS1	KRBOX1	4.40	-2.01	1.61E-05	3.29E-04
ENST00000606328	RP11-458N5.1		9.96	-1.23	1.62E-05	3.30E-04
NR_110159	LOC100996249		5.53	1.72	1.62E-05	3.30E-04
T109944	G026042		6.13	1.84	1.62E-05	3.30E-04
NR_038932	LINC00838		5.17	2.66	1.62E-05	3.30E-04
T380315	G090093		6.39	-2.73	1.63E-05	3.31E-04
T375100	G088528		4.65	1.72	1.64E-05	3.32E-04
ENST00000578585	RP11-283C24.1		13.58	-1.30	1.64E-05	3.33E-04
ENST00000595428	LA16c-OS12.2		10.70	-1.30	1.64E-05	3.33E-04
TCONS_00017292	XLOC_008114		6.48	1.05	1.64E-05	3.33E-04
ENST00000567464	RP11-23E10.3		6.03	1.70	1.64E-05	3.33E-04
T215282	G049808		5.80	2.06	1.65E-05	3.34E-04
ENST00000449573	AC005062.2		6.39	-1.15	1.67E-05	3.37E-04
T177108	G040961		5.03	3.13	1.68E-05	3.37E-04
GSE61474_TCONS_00029445	GSE61474_XLOC_005603		4.71	-1.76	1.69E-05	3.38E-04
uc.428-	uc.428	AC012123.1	5.08	2.56	1.69E-05	3.38E-04
T036220	G008231	AKR1C2	4.72	-1.29	1.69E-05	3.38E-04
GSE61474_TCONS_00096511	GSE61474_XLOC_018657		5.16	-1.84	1.69E-05	3.38E-04
NR_028595	CCDC162P		4.90	-1.14	1.69E-05	3.38E-04
T059801	G013929		8.24	1.10	1.70E-05	3.39E-04
T110253	G026127		5.02	1.71	1.71E-05	3.40E-04
T246176	G056564		5.96	1.45	1.71E-05	3.40E-04
T317019	G074248	DNAAF5	5.28	-1.64	1.71E-05	3.41E-04
T145642	G033890		4.56	1.95	1.72E-05	3.41E-04
uc001kyd.1	AK094859		9.46	1.13	1.72E-05	3.42E-04
T197008	G045426		6.82	1.18	1.73E-05	3.43E-04
T230417	G053073		5.89	1.81	1.73E-05	3.43E-04
NR_130726	LINC00243		8.45	1.45	1.74E-05	3.44E-04
T115222	G027221	TMEM87A	6.11	1.27	1.74E-05	3.44E-04
T173060	G040232		5.76	-1.21	1.75E-05	3.44E-04
ENST00000427806	RP11-415A20.1		5.45	-1.86	1.76E-05	3.46E-04
ENST00000591379	RP11-118B18.2		4.78	-1.55	1.75E-05	3.46E-04
NR_110255	LOC101929532	FAP	4.67	1.05	1.77E-05	3.47E-04
T279556	G064916		5.64	-1.70	1.78E-05	3.48E-04
NR_002332	ST7-OT3	ST7	5.65	-2.02	1.78E-05	3.49E-04
ENST00000508189	RP11-234O6.2	FSTL5	5.73	-1.49	1.79E-05	3.49E-04
T381231	G090379		4.50	-1.64	1.79E-05	3.50E-04
T270163	G062604		5.95	1.74	1.80E-05	3.50E-04
T004446	G000833	PADI1	6.71	1.66	1.80E-05	3.51E-04
T156208	G036049	RPTOR	4.97	-2.60	1.81E-05	3.51E-04
T188242	G043251		6.38	-1.46	1.81E-05	3.51E-04
TCONS_00016456	XLOC_007822		4.15	1.28	1.81E-05	3.51E-04
T128044	G029957		6.03	1.54	1.81E-05	3.52E-04

T194169	G044793		7.59	1.20	1.82E-05	3.52E-04
NR_125851	LOC101928191	SYCP2L	5.71	1.51	1.82E-05	3.53E-04
T210468	G048716		5.15	-2.15	1.83E-05	3.54E-04
NR_003664	SPDYE8P		7.64	1.14	1.83E-05	3.55E-04
NR_001591	TPTEP1		5.75	-1.29	1.84E-05	3.56E-04
NR_120474	LOC101929162	PRDM4	5.61	-1.61	1.84E-05	3.56E-04
ENST00000542804	RP1-116K23.1		7.22	1.07	1.84E-05	3.56E-04
ENST00000580347	RP11-293E1.1	MGC57346-CRHR1	6.21	1.68	1.86E-05	3.58E-04
T033340	G007545		6.09	2.24	1.86E-05	3.58E-04
T241090	G055482		4.64	-1.95	1.86E-05	3.58E-04
TCONS_00010162	XLOC_004625		7.59	1.13	1.88E-05	3.59E-04
T118794	G028058		7.42	1.18	1.88E-05	3.61E-04
ENST00000587831	CTC-215O4.4	SMARCA4	7.81	1.32	1.89E-05	3.62E-04
ENST00000606809	RP5-1024N4.4	SLC5A9	7.32	-1.19	1.89E-05	3.62E-04
TCONS_00011689	XLOC_005165		5.91	1.68	1.90E-05	3.62E-04
NR_046780	HAO2-IT1	HAO2	5.76	-1.22	1.91E-05	3.63E-04
T198131	G045698		5.03	-1.35	1.91E-05	3.63E-04
ENST00000553760	RP11-406A9.2		5.89	-1.06	1.91E-05	3.63E-04
T216452	G050104		6.28	1.60	1.91E-05	3.64E-04
T024714	G005388		4.82	-1.63	1.92E-05	3.65E-04
NR_104654	LOC257396	MOCS2	6.27	1.05	1.93E-05	3.65E-04
T316741	G074214		5.87	-1.63	1.93E-05	3.66E-04
uc.153-	uc.153	TNPO1	6.44	1.12	1.94E-05	3.66E-04
T239340	G055037		5.20	-2.17	1.96E-05	3.69E-04
T214953	G049707		7.10	1.03	1.97E-05	3.71E-04
ENST00000607296	CTD-2235C13.3		9.91	-1.69	1.97E-05	3.71E-04
T050784	G011887		5.90	-1.59	1.98E-05	3.71E-04
T346297	G081525		5.92	2.31	1.98E-05	3.71E-04
T084616	G019636		4.35	1.72	1.98E-05	3.72E-04
GSE61474_TCONS_00223026	GSE61474_XLOC_041285		4.69	-1.11	1.98E-05	3.72E-04
uc001ugl.3	BC017209	NCOR2	7.75	1.27	1.99E-05	3.72E-04
NR_027146	LINC00469	LOC100134391	5.92	-1.15	1.99E-05	3.73E-04
T082334	G019076		4.78	-1.50	2.00E-05	3.74E-04
TCONS_00022315	XLOC_010725	TEX29	6.82	-1.16	2.00E-05	3.74E-04
T077260	G017875		6.39	-1.87	2.01E-05	3.75E-04
T172735	G040136		5.02	-1.57	2.01E-05	3.75E-04
NR_073453	LINC00601		5.67	1.04	2.01E-05	3.75E-04
ENST00000560675	RP11-326N17.1		5.42	1.14	2.01E-05	3.75E-04
T189227	G043496		6.74	1.12	2.03E-05	3.77E-04
NR_024383	LINC00461		6.15	-1.40	2.03E-05	3.77E-04
T215451	G049872		6.52	-1.90	2.04E-05	3.79E-04
ENST00000510469	CTD-2263F21.1	EGFLAM	7.84	1.13	2.05E-05	3.79E-04
ENST00000524253	CTD-3118D11.2	ATP6V0D2	5.81	-1.93	2.07E-05	3.83E-04
TCONS_00026898	XLOC_012965		5.49	2.17	2.07E-05	3.83E-04
T102647	G024167		6.20	1.02	2.08E-05	3.83E-04
T037480	G008508	FRMD4A	5.59	1.68	2.09E-05	3.84E-04
T164751	G038285		5.51	1.19	2.09E-05	3.85E-04
GSE61474_TCONS_00034186	GSE61474_XLOC_006673		5.99	1.04	2.09E-05	3.86E-04
T215414	G049858		9.81	-1.24	2.10E-05	3.86E-04
T193743	G044678		6.72	-1.74	2.10E-05	3.86E-04
M18206	M18206		5.97	-1.66	2.10E-05	3.86E-04
uc004dqd.3	BC094793	XAGE2	5.99	1.05	2.11E-05	3.87E-04
T273891	G063603		5.67	-1.93	2.12E-05	3.88E-04
T325374	G076228		5.25	-1.52	2.12E-05	3.88E-04

T071075	G016437		4.14	-1.14	2.13E-05	3.89E-04
T048310	G011248		4.53	-1.23	2.14E-05	3.90E-04
T220860	G051091		4.32	-1.01	2.14E-05	3.91E-04
NR_108055	LINC00703		4.02	-1.36	2.15E-05	3.91E-04
TCONS_00022037	XLOC_010636		5.49	-1.13	2.15E-05	3.92E-04
T091936	G021248		4.56	1.10	2.15E-05	3.92E-04
T033327	G007544		4.92	-1.55	2.16E-05	3.93E-04
T108275	G025592		5.57	-1.48	2.17E-05	3.94E-04
ENST00000421509	RP11-281A20.2		6.17	2.99	2.17E-05	3.94E-04
T076588	G017648		5.29	3.29	2.17E-05	3.95E-04
T336089	G078802		5.78	-1.16	2.18E-05	3.95E-04
ENST00000603837	LINC01109		3.76	-1.88	2.18E-05	3.95E-04
NR_110497	MIR7515HG		5.55	-1.49	2.19E-05	3.96E-04
ENST00000609315	RP11-339B21.13	TRUB2	10.32	-1.03	2.20E-05	3.98E-04
T207213	G047973		5.93	1.13	2.21E-05	3.99E-04
TCONS_00011329	XLOC_005359		4.71	1.20	2.21E-05	3.99E-04
T185709	G042626		6.00	1.07	2.22E-05	3.99E-04
NR_033923	LINC00619		12.59	-1.18	2.23E-05	4.02E-04
TCONS_00020480	XLOC_009811		5.60	1.31	2.25E-05	4.04E-04
T375789	G088728		5.15	-1.00	2.26E-05	4.05E-04
TCONS_00008211	XLOC_003669		5.76	1.12	2.26E-05	4.06E-04
NR_003539	BRDTP1		6.66	-1.38	2.26E-05	4.06E-04
T247862	G057013		6.05	-1.31	2.27E-05	4.06E-04
TCONS_I2_00005930	XLOC_I2_003178		4.83	2.45	2.28E-05	4.08E-04
ENST00000430320	RP1-65J11.1		9.70	-1.35	2.29E-05	4.09E-04
T262073	G060281		6.82	-2.26	2.30E-05	4.10E-04
ENST00000413494	CTA-407F11.7	ADRBK2	6.29	-1.71	2.30E-05	4.10E-04
ENST00000602277	RP6-99M1.3		9.25	1.05	2.31E-05	4.11E-04
TCONS_00023310	XLOC_011179		5.43	-1.68	2.31E-05	4.11E-04
TCONS_00022597	XLOC_010903		4.98	-1.31	2.31E-05	4.11E-04
ENST00000588946	RP11-2N1.2	CCBE1	7.74	-1.05	2.33E-05	4.13E-04
ENST00000453853	RP11-342C24.8		7.43	1.46	2.33E-05	4.13E-04
T163473	G037878		4.35	-1.43	2.33E-05	4.13E-04
T314335	G073736	SYTL3	5.36	-2.11	2.33E-05	4.14E-04
ENST00000506172	RP11-1391J7.1	TSPAN4	8.66	-1.17	2.33E-05	4.14E-04
uc.289+	uc.289	C10orf11	4.95	1.59	2.34E-05	4.15E-04
uc.433+	uc.433		5.65	2.39	2.36E-05	4.18E-04
ENST00000437846	RP11-49O14.3	C9orf3	5.18	-1.33	2.38E-05	4.21E-04
T220163	G050902	TSHZ2	4.18	1.50	2.38E-05	4.21E-04
ENST00000437494	AC005077.5		7.55	1.03	2.38E-05	4.21E-04
TCONS_00017881	XLOC_008642		5.45	-1.25	2.39E-05	4.22E-04
T008431	G001800		5.21	1.33	2.41E-05	4.24E-04
TCONS_00023308	XLOC_011178		4.87	1.09	2.42E-05	4.26E-04
T092480	G021436		4.93	-1.60	2.43E-05	4.27E-04
NR_120449	LOC101927267	TROAP	5.89	-1.05	2.45E-05	4.29E-04
ENST00000416350	AC104777.3		5.80	1.17	2.45E-05	4.30E-04
ENST00000609510	AP000350.5		7.31	-2.63	2.46E-05	4.30E-04
ENST00000490647	RP11-500K19.1		4.98	1.22	2.46E-05	4.30E-04
ENST00000547721	RP11-290L1.2	PHLDA1	8.06	1.11	2.47E-05	4.31E-04
GSE61474_TCONS_00182522	GSE61474_XLOC_033060		5.21	-1.45	2.48E-05	4.32E-04
TCONS_00010053	XLOC_004500		5.00	2.85	2.48E-05	4.32E-04
NR_110249	LOC101929378		6.34	-1.34	2.51E-05	4.36E-04
ENST00000607352	RP11-91J19.4		8.86	-1.11	2.51E-05	4.36E-04
ENST00000450746	AC116035.1		5.38	2.37	2.51E-05	4.36E-04
ENST00000507435	RP11-445O3.2		5.25	-1.90	2.51E-05	4.36E-04

T199859	G046087		6.47	-1.32	2.52E-05	4.36E-04
T342468	G080390	PLEKHA2	5.56	-2.21	2.53E-05	4.38E-04
T040076	G009188		4.40	-1.50	2.53E-05	4.38E-04
T364444	G086143		5.27	-1.99	2.53E-05	4.39E-04
T380308	G090091		8.50	1.24	2.55E-05	4.40E-04
ENST00000560938	RP11-424I19.1		4.88	3.34	2.56E-05	4.41E-04
ENST00000603854	RP5-856G1.1		7.74	1.03	2.56E-05	4.42E-04
T017738	G003975	SYT6	5.94	-1.27	2.57E-05	4.42E-04
T106233	G025098		4.76	1.43	2.57E-05	4.42E-04
NR_102750	EGFLAM-AS2	EGFLAM	5.51	2.52	2.57E-05	4.42E-04
ENST00000415448	AC097495.3		4.78	-1.62	2.58E-05	4.43E-04
ENST00000503695	RP11-46H11.3	CHFR	5.78	1.73	2.59E-05	4.44E-04
TCONS_00008185	XLOC_003634		4.14	-1.51	2.59E-05	4.44E-04
T254653	G058662		4.29	-1.02	2.59E-05	4.44E-04
T158249	G036472		5.04	2.59	2.59E-05	4.44E-04
T136818	G032038		4.81	-1.12	2.59E-05	4.44E-04
ENST00000512237	CTC-529L17.1		5.14	-1.06	2.59E-05	4.44E-04
T198098	G045689		5.69	1.26	2.61E-05	4.45E-04
T308653	G072237		5.28	1.80	2.61E-05	4.45E-04
ENST00000423593	AC009499.2		4.85	-1.43	2.63E-05	4.48E-04
ENST00000607332	RP1-199J3.7	CCNC	10.53	-1.09	2.64E-05	4.49E-04
T162248	G037499		6.49	1.13	2.64E-05	4.49E-04
ENST00000415237	AC004988.1	SUGCT	4.43	-1.15	2.65E-05	4.49E-04
ENST00000527984	RP4-594L9.2		3.53	-1.97	2.66E-05	4.51E-04
T314117	G073664		5.81	1.52	2.67E-05	4.52E-04
T247628	G056951		7.05	1.11	2.68E-05	4.53E-04
TCONS_00029569	XLOC_014199		8.98	1.07	2.69E-05	4.55E-04
ENST00000453810	RP11-1148L6.5	RBM3	5.13	1.40	2.69E-05	4.55E-04
T292627	G068474		4.91	1.60	2.69E-05	4.55E-04
T069038	G015958		3.88	-1.69	2.70E-05	4.57E-04
TCONS_00020580	XLOC_009896		5.63	-1.16	2.72E-05	4.58E-04
T353076	G083372	LYNX1	5.48	1.67	2.72E-05	4.58E-04
T260159	G059815		6.60	1.89	2.72E-05	4.58E-04
T364426	G086136		5.16	-1.12	2.72E-05	4.58E-04
T050878	G011921		5.75	2.31	2.75E-05	4.61E-04
uc.392+	uc.392		6.90	1.69	2.76E-05	4.62E-04
T212915	G049145		5.19	-1.16	2.76E-05	4.63E-04
ENST00000441841	RP3-473B4.3		5.51	-1.98	2.77E-05	4.64E-04
NR_126040	LOC101927188	LAMA1	4.59	1.54	2.77E-05	4.64E-04
AK022063	AK022063		6.30	2.08	2.78E-05	4.65E-04
T128813	G030118	EEF2K	4.69	1.11	2.79E-05	4.67E-04
T281352	G065440		5.26	1.42	2.80E-05	4.67E-04
T347936	G082016		5.21	2.07	2.80E-05	4.67E-04
T226168	G052259		6.03	1.02	2.80E-05	4.68E-04
uc001uzi.1	AX748251		6.77	2.86	2.81E-05	4.68E-04
T213811	G049405	BTBD3	4.57	-1.20	2.81E-05	4.69E-04
T361821	G085461		5.00	-1.75	2.82E-05	4.69E-04
T361329	G085358		6.37	2.24	2.83E-05	4.70E-04
ENST00000441919	RP11-15J10.8		5.87	1.42	2.83E-05	4.70E-04
T370717	G087414		4.92	-1.49	2.84E-05	4.71E-04
T350319	G082691		4.17	2.54	2.83E-05	4.71E-04
T278392	G064584		5.36	-2.00	2.86E-05	4.72E-04
NR_046559	RERG-AS1	RERG	4.25	-1.73	2.86E-05	4.72E-04
TCONS_00018158	XLOC_008445		4.70	-1.53	2.85E-05	4.72E-04
T351679	G082991		5.77	1.10	2.86E-05	4.73E-04

T249827	G057427	TXNRD3NB	5.11	-1.55	2.87E-05	4.73E-04
T207472	G048028		5.19	1.01	2.87E-05	4.73E-04
T211688	G048930	43345	5.89	-1.67	2.88E-05	4.74E-04
TCONS_00019666	XLOC_009474		8.81	-1.07	2.88E-05	4.74E-04
ENST00000594400	AC006115.3	ZIM2	4.82	2.36	2.88E-05	4.74E-04
T334033	G078297		5.76	-1.89	2.88E-05	4.74E-04
TCONS_00007086	XLOC_003007	PIGX	4.77	1.59	2.89E-05	4.74E-04
T113933	G026895	FMN1	9.81	1.23	2.91E-05	4.77E-04
T318825	G074677		7.41	1.41	2.91E-05	4.78E-04
T190886	G043948	MEIS1	6.17	-1.61	2.92E-05	4.79E-04
ENST00000413991	AC073257.2		6.00	-2.01	2.94E-05	4.81E-04
T128185	G029990		4.36	-1.20	2.95E-05	4.81E-04
TCONS_00024733	XLOC_012014		4.83	1.25	2.95E-05	4.81E-04
T209784	G048548	EFHD1	4.47	1.71	2.97E-05	4.83E-04
ENST00000593211	CTC-360P9.5		5.08	-1.46	2.99E-05	4.87E-04
T281039	G065351		5.84	2.57	3.02E-05	4.89E-04
NR_104007	LOC100101148	TRIM74	7.01	3.00	3.04E-05	4.91E-04
ENST00000436418	RP1-92C4.2		4.37	3.33	3.04E-05	4.92E-04
ENST00000418621	AC016716.2	CTNNA2	5.99	1.68	3.05E-05	4.92E-04
TCONS_00002447	XLOC_000974		4.86	-1.58	3.05E-05	4.92E-04
T008095	G001729		6.66	-1.24	3.07E-05	4.93E-04
GSE61474_TCONS_00203409	GSE61474_XLOC_037182		4.98	1.08	3.07E-05	4.93E-04
ENST00000455039	PPP1R26-AS1	PPP1R26	14.95	-1.78	3.09E-05	4.94E-04
T162885	G037669		7.03	-1.31	3.10E-05	4.96E-04
T291989	G068265		5.21	1.35	3.10E-05	4.96E-04
T283685	G066121	SLC30A5	5.59	1.01	3.14E-05	5.00E-04
uc.391-	uc.391	MAP2K5	4.80	-1.25	3.16E-05	5.00E-04
T172588	G040071		6.24	-1.04	3.15E-05	5.00E-04
TCONS_00019632	XLOC_009433		5.29	1.98	3.16E-05	5.00E-04
T265464	G061350		8.77	1.02	3.18E-05	5.02E-04
ENST00000508986	EGFLAM-AS1	EGFLAM	6.15	-1.27	3.18E-05	5.03E-04
T220255	G050933		4.54	-1.69	3.19E-05	5.03E-04
ENST00000423632	RP11-402G3.5		13.63	-1.58	3.19E-05	5.03E-04
T103112	G024295	MIPOL1	6.21	1.14	3.19E-05	5.03E-04
T257608	G059368		5.09	1.49	3.19E-05	5.03E-04
T118606	G028013	CORO2B	7.99	-1.61	3.19E-05	5.04E-04
T360949	G085265		5.27	1.73	3.20E-05	5.04E-04
T020134	G004470		7.23	1.23	3.21E-05	5.05E-04
NR_046539	DIAPH3-AS1	DIAPH3	6.38	1.30	3.21E-05	5.05E-04
T263846	G060809		7.23	-1.55	3.21E-05	5.05E-04
ENST00000515026	RP11-15B17.1	DDIT4L	5.30	-1.48	3.21E-05	5.05E-04
ENST00000519233	RP11-68L18.1	TMEM64	7.22	-1.17	3.22E-05	5.06E-04
T361703	G085436		4.62	1.24	3.25E-05	5.10E-04
T253551	G058409		5.36	1.41	3.25E-05	5.10E-04
NR_015436	LINC00461		5.67	-1.57	3.26E-05	5.10E-04
ENST00000418679	RP11-806J6.1		5.44	-1.05	3.27E-05	5.11E-04
T050947	G011932		7.23	1.36	3.28E-05	5.12E-04
NR_024151	HSPA7	FCGR2B	10.63	1.38	3.29E-05	5.13E-04
TCONS_00021787	XLOC_010385		5.42	-1.06	3.29E-05	5.13E-04
NR_126007	LOC400541	PDPR	8.15	1.64	3.29E-05	5.14E-04
TCONS_00004291	XLOC_002136		5.89	2.45	3.30E-05	5.14E-04
T016137	G003564		6.17	1.07	3.31E-05	5.15E-04
ENST00000562572	RP11-488I20.8		4.61	1.32	3.31E-05	5.15E-04
T364870	G086281	PTBP3	5.99	1.08	3.32E-05	5.16E-04
T027825	G006257	TNNI1	4.62	1.22	3.33E-05	5.17E-04

NR_037182	LOC653513	NBPF8	10.50	-1.03	3.34E-05	5.17E-04
ENST00000567907	RP11-359E8.5		4.92	2.28	3.34E-05	5.17E-04
T359248	G084762		6.46	1.25	3.34E-05	5.18E-04
ENST00000522408	RP11-109P6.2		7.82	-1.50	3.36E-05	5.20E-04
ENST00000586503	AC005954.4	APBA3	6.47	-1.16	3.36E-05	5.20E-04
T332019	G077825		5.98	1.04	3.37E-05	5.20E-04
T340034	G079769		4.74	2.06	3.37E-05	5.20E-04
ENST00000508555	RP11-713M6.2	DKK2	6.11	3.42	3.37E-05	5.20E-04
T309989	G072625		5.81	1.63	3.38E-05	5.21E-04
T206831	G047881		6.30	-1.39	3.38E-05	5.22E-04
T329375	G077221	ZSCAN21	6.55	1.19	3.41E-05	5.24E-04
ENST00000608596	RP11-452C13.1	PTPRN2	7.79	-1.25	3.42E-05	5.25E-04
T062737	G014469		5.72	-1.68	3.42E-05	5.25E-04
NR_131786	C6orf7		6.26	-1.57	3.43E-05	5.27E-04
ENST00000413993	RP11-482E14.1		6.04	-1.09	3.47E-05	5.30E-04
uc002bmd.3	AK094929		8.34	-1.16	3.47E-05	5.31E-04
T221480	G051224		5.81	1.46	3.48E-05	5.31E-04
T247439	G056910		6.14	1.09	3.49E-05	5.31E-04
ENST00000421759	AC073283.7	TTC7A	6.89	1.92	3.51E-05	5.33E-04
TCONS_00017944	XLOC_008765		6.68	-1.71	3.52E-05	5.35E-04
NR_125399	LINC01487		4.77	-1.42	3.53E-05	5.35E-04
T212810	G049124	GNRH2	5.99	-1.03	3.54E-05	5.36E-04
T309447	G072486		4.72	1.88	3.57E-05	5.40E-04
ENST00000418426	RP11-402L1.11		6.08	-1.48	3.57E-05	5.40E-04
TCONS_00001707	XLOC_001072	UAP1	6.72	-1.02	3.58E-05	5.40E-04
NR_132346	LOC100652758	ATOX1	7.09	-1.16	3.59E-05	5.41E-04
uc004apn.1	L25629		9.98	1.18	3.60E-05	5.43E-04
ENST00000602842	CTD-2132N18.4	ZNF385C	7.93	-1.01	3.60E-05	5.43E-04
T094247	G021898		5.01	1.49	3.63E-05	5.47E-04
T305505	G071320		4.24	-1.45	3.64E-05	5.48E-04
ENST00000569292	GS1-204I12.4		4.22	-1.21	3.64E-05	5.48E-04
T210178	G048630		7.99	1.77	3.64E-05	5.48E-04
NR_121120	LINC01474		6.67	-1.43	3.65E-05	5.48E-04
T287403	G067106		5.36	2.19	3.65E-05	5.48E-04
uc021ulq.1	BC070490		4.24	-1.10	3.66E-05	5.50E-04
T230053	G052955		7.28	1.26	3.68E-05	5.51E-04
T159782	G036856		5.83	1.30	3.68E-05	5.51E-04
T263106	G060619		7.17	1.47	3.70E-05	5.53E-04
T345498	G081300		8.50	-1.25	3.71E-05	5.54E-04
T113212	G026712		5.20	1.10	3.72E-05	5.55E-04
TCONS_00025076	XLOC_012031		6.77	-1.11	3.72E-05	5.56E-04
T235720	G054220		4.11	-1.03	3.73E-05	5.56E-04
GSE61474_TCONS_00005236	GSE61474_XLOC_000919		11.25	-1.29	3.74E-05	5.57E-04
T298947	G069906		5.81	-1.24	3.75E-05	5.58E-04
T337020	G079030		5.80	-1.26	3.76E-05	5.59E-04
T280426	G065190		5.69	1.19	3.77E-05	5.60E-04
T332810	G078033		5.30	1.10	3.78E-05	5.60E-04
ENST00000567742	AP000439.5		6.19	-1.30	3.79E-05	5.61E-04
NR_120335	LOC101928414	SLC28A2	6.08	1.03	3.79E-05	5.62E-04
T025544	G005611		4.58	2.58	3.80E-05	5.62E-04
ENST00000585999	CTB-186G2.4	ACTN4	5.28	-1.47	3.81E-05	5.63E-04
T380317	G090095		4.27	-1.42	3.80E-05	5.63E-04
NR_027240	LOC730668		5.50	-1.20	3.81E-05	5.63E-04
GSE61474_TCONS_00335433	GSE61474_XLOC_065085		7.61	1.40	3.82E-05	5.63E-04
TCONS_00004267	XLOC_002109		7.86	-1.32	3.82E-05	5.63E-04

ENST00000442726	RP11-177F15.1		5.19	3.02	3.82E-05	5.63E-04
TCONS_I2_00030586	XLOC_I2_015807		5.78	-1.21	3.83E-05	5.63E-04
ENST00000516921	RN7SKP84		4.76	-1.79	3.84E-05	5.64E-04
T214289	G049553		5.82	-1.89	3.84E-05	5.65E-04
T014835	G003253		6.28	2.79	3.85E-05	5.65E-04
ENST00000587933	RP11-845C23.2	NEDD4L	6.25	1.91	3.86E-05	5.67E-04
T209135	G048368		5.00	1.00	3.87E-05	5.67E-04
T092544	G021465	RXFP2	5.92	1.10	3.88E-05	5.67E-04
ENST00000526305	RP11-718B12.2		4.50	1.28	3.89E-05	5.69E-04
NR_026973	HLA-F-AS1	HLA-F	11.60	-1.07	3.92E-05	5.71E-04
T278370	G064578		7.05	-1.19	3.92E-05	5.72E-04
T201460	G046538		5.70	1.32	3.93E-05	5.72E-04
T371275	G087551		4.87	1.05	3.93E-05	5.72E-04
ENST00000597609	CTB-12A17.3	CALM3	7.54	2.45	3.95E-05	5.73E-04
T012627	G002716		5.15	1.09	3.97E-05	5.76E-04
ENST00000560499	CTA-339C12.1	CUX1	7.46	1.09	4.00E-05	5.79E-04
T099940	G023588		4.45	-1.54	4.02E-05	5.80E-04
T295607	G069111		4.74	1.96	4.03E-05	5.82E-04
ENST00000422048	RP11-268G12.1		5.04	-1.56	4.05E-05	5.83E-04
TCONS_00008230	XLOC_003682		6.23	1.39	4.06E-05	5.83E-04
T129506	G030352	SULT1A1	7.66	1.14	4.08E-05	5.85E-04
T264058	G060869		4.82	-2.00	4.09E-05	5.86E-04
TCONS_00006619	XLOC_003225		6.35	1.54	4.09E-05	5.87E-04
T221499	G051233		6.02	-1.16	4.10E-05	5.87E-04
ENST00000529328	LINC00958		4.61	-1.02	4.11E-05	5.88E-04
ENST00000411366	RNY3P8		6.08	1.21	4.11E-05	5.88E-04
TCONS_00011948	XLOC_005461		4.96	1.59	4.12E-05	5.89E-04
T099050	G023387		5.01	1.80	4.14E-05	5.90E-04
T252832	G058221		7.23	-1.87	4.15E-05	5.92E-04
T062503	G014424		6.50	1.32	4.16E-05	5.92E-04
NR_037181	LINC01015		7.07	-1.11	4.16E-05	5.93E-04
NR_047557	ZNF32-AS1	ZNF32	6.77	1.06	4.18E-05	5.94E-04
T096366	G022607		6.08	1.02	4.19E-05	5.95E-04
T110170	G026107		5.55	1.17	4.21E-05	5.97E-04
ENST00000416100	AC102953.6		5.25	1.93	4.24E-05	6.01E-04
T063793	G014686	PPME1	4.99	-1.11	4.25E-05	6.02E-04
T269554	G062434		4.32	1.73	4.25E-05	6.02E-04
T343621	G080745		6.92	-1.56	4.25E-05	6.02E-04
NR_045002	OR7E14P		8.95	-1.02	4.28E-05	6.04E-04
T152990	G035471		6.43	1.49	4.28E-05	6.04E-04
ENST00000452618	RP11-306I1.2		4.79	-1.35	4.29E-05	6.05E-04
GSE61474_TCONS_00208451	GSE61474_XLOC_038202		6.65	-1.66	4.30E-05	6.06E-04
ENST00000608396	RP11-285F16.1		8.28	-1.07	4.31E-05	6.07E-04
T153816	G035645		5.00	1.11	4.32E-05	6.07E-04
T220501	G051016		5.91	1.18	4.34E-05	6.09E-04
TCONS_00010318	XLOC_004801		4.66	-1.41	4.34E-05	6.10E-04
T091708	G021169		6.15	1.51	4.35E-05	6.10E-04
T292549	G068439		6.39	-1.49	4.38E-05	6.13E-04
ENST00000441046	RP5-893G23.1		5.47	2.05	4.38E-05	6.13E-04
T003319	G000627		4.27	-1.32	4.39E-05	6.13E-04
T257279	G059323		5.27	-2.04	4.40E-05	6.15E-04
T108179	G025569		5.04	-1.41	4.40E-05	6.15E-04
T096931	G022765		4.31	-1.84	4.42E-05	6.17E-04
T381473	G090429		8.19	1.05	4.49E-05	6.24E-04
T250803	G057650		5.48	2.30	4.49E-05	6.24E-04

T362368	G085600		5.36	-1.51	4.49E-05	6.25E-04
T344430	G080990		4.58	-1.03	4.50E-05	6.25E-04
ENST00000435444	RP11-29B9.2		6.47	2.09	4.56E-05	6.30E-04
TCONS_00012013	XLOC_005532		5.48	-1.55	4.57E-05	6.32E-04
uc.316+	uc.316		4.87	-1.51	4.59E-05	6.33E-04
ENST00000427671	MAGEA8-AS1	MAGEA8	6.43	-1.77	4.59E-05	6.34E-04
T008791	G001890		5.59	-1.60	4.62E-05	6.37E-04
NR_002826	LOC401010		7.25	1.00	4.62E-05	6.37E-04
T205088	G047431		4.23	1.39	4.66E-05	6.40E-04
T274980	G063892		6.82	-1.40	4.67E-05	6.41E-04
ENST00000606482	CTD-2081C10.7		9.25	-1.18	4.68E-05	6.42E-04
ENST00000568729	RP11-143I21.1		4.84	-1.07	4.69E-05	6.42E-04
T029043	G006491		5.99	1.27	4.70E-05	6.44E-04
T066079	G015265		4.47	1.80	4.70E-05	6.44E-04
T219051	G050643		8.73	-1.34	4.71E-05	6.45E-04
uc001zwf.1	AK021664	SLC24A5	9.88	-1.09	4.72E-05	6.45E-04
NR_024443	LOC100133920	AL445665.1	12.60	1.23	4.72E-05	6.45E-04
T081860	G018940		5.75	1.27	4.75E-05	6.47E-04
T198747	G045878	HS6ST1	9.38	-1.06	4.75E-05	6.47E-04
T011935	G002541		5.04	1.88	4.77E-05	6.49E-04
T155705	G035954	TIMP2	6.61	1.13	4.80E-05	6.53E-04
T219145	G050667		5.65	2.62	4.82E-05	6.54E-04
T106166	G025084		6.49	1.79	4.83E-05	6.55E-04
NR_120430	LOC101928100	KLRK1	7.26	-2.47	4.84E-05	6.56E-04
uc002vyh.3	AF055024	ASB1	5.63	1.26	4.85E-05	6.56E-04
T095462	G022303		3.73	-1.65	4.87E-05	6.60E-04
TCONS_00003886	XLOC_001690		4.74	1.28	4.89E-05	6.61E-04
ENST00000555377	RP11-72M17.1		9.01	1.04	4.90E-05	6.61E-04
T359449	G084811		5.14	1.66	4.90E-05	6.62E-04
T371797	G087665		6.98	-1.83	4.93E-05	6.65E-04
T308198	G072108		5.26	1.02	4.93E-05	6.65E-04
ENST00000541391	RP11-221N13.3		8.16	1.56	4.94E-05	6.65E-04
T361551	G085396		5.03	1.74	4.96E-05	6.67E-04
T002960	G000529		5.69	-2.00	4.98E-05	6.69E-04
ENST00000556942	RP11-356K23.1	FOXN3	5.45	-1.15	5.01E-05	6.72E-04
T213967	G049467		5.24	-1.17	5.03E-05	6.74E-04
ENST00000512634	RP11-87F15.2	SPCS3	5.48	-2.43	5.04E-05	6.75E-04
T056201	G012995		4.41	-1.56	5.05E-05	6.75E-04
NR_046312	KIAA1656	RNF215	8.77	-1.17	5.05E-05	6.75E-04
T373676	G088152		4.82	1.35	5.05E-05	6.75E-04
ENST00000561847	RP11-715J22.6	TBC1D24	7.01	-1.46	5.05E-05	6.75E-04
T263958	G060841		5.63	-1.99	5.06E-05	6.76E-04
ENST00000453367	RP11-442O18.1		4.75	-1.34	5.06E-05	6.76E-04
ENST00000410685	RN7SKP254		9.35	-2.22	5.07E-05	6.77E-04
NR_028058	PMS2P9		8.15	1.28	5.07E-05	6.77E-04
T323384	G075676		5.38	2.08	5.07E-05	6.77E-04
ENST00000512036	RP11-404J23.1		5.52	-1.00	5.09E-05	6.78E-04
TCONS_00016246	XLOC_007629		5.29	-1.37	5.10E-05	6.79E-04
T078121	G018102	TROAP	7.00	-1.04	5.10E-05	6.79E-04
uc002xuq.1	AK055386		5.88	-1.48	5.12E-05	6.79E-04
TCONS_00004049	XLOC_001891		7.91	1.07	5.12E-05	6.79E-04
T011081	G002343		4.91	1.25	5.12E-05	6.79E-04
NR_033651	MSC-AS1	RP11-383H13.1	4.27	-1.35	5.15E-05	6.82E-04
T216169	G050039	C20orf112	5.56	1.14	5.16E-05	6.83E-04

ENST00000564237	RP11-196G18.22		11.44	-1.08	5.18E-05	6.86E-04
T072311	G016660	ANO2	7.29	1.72	5.20E-05	6.87E-04
ENST00000559041	RP11-429B14.1	TICRR	4.86	-1.19	5.21E-05	6.88E-04
T256734	G059186		5.63	-1.66	5.23E-05	6.90E-04
T342770	G080467		5.41	1.04	5.23E-05	6.90E-04
T282922	G065924	PDE4D	5.04	1.25	5.25E-05	6.91E-04
TCONS_00019361	XLOC_009187		8.21	-1.03	5.26E-05	6.92E-04
T280251	G065128		6.12	-2.02	5.27E-05	6.93E-04
ENST00000542062	RP11-711K1.7		7.62	-1.09	5.29E-05	6.95E-04
ENST00000426547	RP11-524K22.1		5.80	1.18	5.30E-05	6.95E-04
T356654	G084139		5.66	-1.61	5.33E-05	6.98E-04
ENST00000510137	CTD-2263F21.1		8.27	1.10	5.33E-05	6.98E-04
T088766	G020568		4.98	1.19	5.35E-05	6.99E-04
T066318	G015336	ARHGAP42	5.08	-1.17	5.36E-05	7.00E-04
T311289	G072978		4.72	1.15	5.37E-05	7.00E-04
ENST00000546065	AP000593.7	CLPB	6.66	-1.08	5.38E-05	7.01E-04
NR_104116	LINC00877		7.89	-1.39	5.40E-05	7.03E-04
uc.476-	uc.476		5.65	-2.40	5.41E-05	7.03E-04
T160672	G037127	ASXL3	5.18	2.96	5.42E-05	7.05E-04
T040937	G009410	RASSF4	4.77	-1.06	5.44E-05	7.07E-04
TCONS_00004240	XLOC_002080	PRKCE	11.45	-1.09	5.46E-05	7.09E-04
ENST00000435739	RP5-1044H5.1	DNAJC6	5.30	1.24	5.46E-05	7.09E-04
T303770	G070891		4.75	1.23	5.50E-05	7.11E-04
T289882	G067779	SPATA24	6.65	-1.44	5.51E-05	7.11E-04
T040046	G009178		6.20	-1.33	5.51E-05	7.11E-04
TCONS_00008111	XLOC_003578		4.45	1.63	5.52E-05	7.12E-04
TCONS_00022626	XLOC_010929	BEGAIN	8.02	1.17	5.52E-05	7.12E-04
ENST00000531749	RP11-98J9.1		4.63	-1.47	5.53E-05	7.12E-04
T255242	G058818	KCNMB2	4.07	-1.25	5.53E-05	7.12E-04
NR_121639	LOC100996694		5.66	-2.00	5.56E-05	7.15E-04
T160461	G037043	DSC3	6.71	-1.51	5.59E-05	7.18E-04
ENST00000557989	RP11-680F8.3	TJP1	8.61	1.02	5.59E-05	7.18E-04
T152277	G035330		6.06	1.82	5.60E-05	7.19E-04
T211106	G048876		6.50	1.13	5.65E-05	7.23E-04
NR_040063	SMG7-AS1	SMG7	6.16	1.03	5.65E-05	7.24E-04
uc.272+	uc.272	MAPKAP1	4.30	-1.15	5.66E-05	7.25E-04
T360865	G085225		6.46	-1.06	5.67E-05	7.25E-04
ENST00000608140	RP11-548P2.2		9.33	-1.09	5.68E-05	7.27E-04
T371089	G087501		6.66	1.23	5.69E-05	7.27E-04
T308126	G072073		7.25	1.07	5.69E-05	7.27E-04
T001895	G000276	AJAP1	4.79	1.79	5.70E-05	7.27E-04
T222909	G051433		8.38	1.49	5.72E-05	7.29E-04
T264950	G061163		7.31	1.21	5.73E-05	7.29E-04
T308132	G072075		3.90	-1.73	5.78E-05	7.34E-04
T119719	G028279		5.57	1.12	5.82E-05	7.38E-04
T364462	G086143		6.23	-1.38	5.83E-05	7.39E-04
ENST00000606542	RP1-136B1.1		7.42	-1.20	5.88E-05	7.44E-04
ENST00000506519	CTD-2215L10.1	SEMA5A	5.36	1.02	5.90E-05	7.45E-04
NR_033945	LINC01192		4.32	-1.09	5.92E-05	7.48E-04
T150838	G034973		6.08	-1.66	5.95E-05	7.50E-04
ENST00000584258	RP11-338L22.2	SSH2	4.82	1.53	5.96E-05	7.51E-04
NR_026761	LINC00467		10.32	1.11	5.96E-05	7.51E-04
ENST00000513616	RP11-415C15.3		5.94	2.08	5.99E-05	7.54E-04
T005322	G001070		10.02	-1.16	6.02E-05	7.56E-04
T026523	G005855		4.58	1.98	6.02E-05	7.57E-04

T039754	G009113		5.40	-1.26	6.09E-05	7.62E-04
NR_120631	FAM53B-AS1	FAM53B	4.77	-2.37	6.16E-05	7.68E-04
ENST00000583782	RP11-799B12.2	TTC39C	5.77	-1.20	6.16E-05	7.68E-04
ENST00000474149	RP11-520D19.1		5.49	-1.54	6.17E-05	7.69E-04
ENST00000340585	CTD-2050E21.1		6.14	-1.42	6.19E-05	7.71E-04
NR_038324	LINC01364		4.23	-1.17	6.22E-05	7.73E-04
T321548	G075304		5.49	-1.42	6.23E-05	7.74E-04
ENST00000414300	AC096669.2		4.81	-1.27	6.25E-05	7.75E-04
T200830	G046380		5.18	1.22	6.26E-05	7.75E-04
ENST00000603952	RP13-36G14.4		5.26	-1.39	6.27E-05	7.76E-04
ENST00000552707	RP11-554E23.4	NUP37	6.34	1.08	6.31E-05	7.80E-04
TCONS_00023515	XLOC_011359	RGMA	5.05	-1.24	6.36E-05	7.84E-04
TCONS_00014758	XLOC_006843	SBSPON	6.88	-1.91	6.36E-05	7.84E-04
ENST00000596451	CTD-3099C6.11	ZNF83	4.97	-1.19	6.37E-05	7.85E-04
T139142	G032479		14.60	-1.45	6.39E-05	7.86E-04
NR_130772	ENPP7P13		5.18	1.12	6.39E-05	7.86E-04
T321953	G075390		4.85	2.24	6.39E-05	7.86E-04
T271344	G062903		6.64	-1.44	6.39E-05	7.86E-04
T313859	G073579		7.66	1.15	6.40E-05	7.87E-04
NR_046376	LOC100128568	RFX2	8.06	-1.65	6.49E-05	7.94E-04
ENST00000431727	AC012668.1		4.91	-1.42	6.49E-05	7.94E-04
ENST00000577346	RP11-680C21.1	SHISA6	5.99	1.05	6.49E-05	7.94E-04
uc003fdu.3	AK055323		9.04	-1.16	6.52E-05	7.96E-04
ENST00000402263	RP11-474L11.5	SENP6	4.64	-1.08	6.54E-05	7.99E-04
T065261	G015037	C11orf73	6.33	-1.02	6.54E-05	7.99E-04
T285256	G066548		4.84	2.93	6.54E-05	7.99E-04
T323286	G075661		8.42	1.78	6.55E-05	7.99E-04
ENST00000417298	AC100848.1		6.75	-1.26	6.56E-05	7.99E-04
T067596	G015680	USP28	4.89	1.37	6.56E-05	7.99E-04
ENST00000597288	RP11-256I23.3		10.23	-1.22	6.58E-05	8.00E-04
TCONS_00026328	XLOC_012670		7.03	-1.06	6.59E-05	8.01E-04
ENST00000552757	RP11-115F18.1	MUC19	6.08	1.10	6.67E-05	8.08E-04
T161930	G037426		5.16	1.46	6.67E-05	8.08E-04
T371029	G087494		4.56	-1.83	6.68E-05	8.08E-04
T219684	G050798		5.13	1.50	6.69E-05	8.09E-04
T245667	G056385		6.15	-1.86	6.72E-05	8.12E-04
T082781	G019186		5.12	-2.44	6.72E-05	8.12E-04
NR_121213	LINC01507		4.54	-1.56	6.72E-05	8.12E-04
T355398	G083768		4.67	2.13	6.73E-05	8.12E-04
T142859	G033260		8.54	-1.79	6.73E-05	8.13E-04
ENST00000425435	RP11-378I13.1		4.69	1.22	6.74E-05	8.13E-04
uc.199+	uc.199		5.37	-2.34	6.75E-05	8.15E-04
T224012	G051712		4.71	-2.13	6.77E-05	8.16E-04
T244150	G056003		6.39	-1.66	6.78E-05	8.16E-04
T247206	G056834		4.79	1.09	6.79E-05	8.17E-04
T142055	G033119		4.71	1.74	6.80E-05	8.18E-04
T315880	G074102		5.35	-1.13	6.81E-05	8.19E-04
T192521	G044339		6.32	-1.41	6.84E-05	8.20E-04
T271349	G062907		5.37	1.89	6.83E-05	8.20E-04
ENST00000440883	RP11-95K23.3	SPATA31A5	5.21	1.04	6.86E-05	8.21E-04
T040730	G009359		4.77	-1.05	6.90E-05	8.23E-04
T192375	G044292		5.25	1.55	6.90E-05	8.24E-04
T365221	G086350		6.19	-1.61	6.91E-05	8.24E-04
NR_130728	EML2-AS1	EML2	7.57	1.09	6.91E-05	8.24E-04
T282328	G065759		5.27	1.51	6.92E-05	8.24E-04

T227793	G052526		4.48	1.32	6.93E-05	8.26E-04
T263044	G060593		5.85	1.67	6.98E-05	8.29E-04
T118878	G028079		6.68	-2.34	7.03E-05	8.33E-04
T314486	G073790		6.53	1.19	7.05E-05	8.35E-04
T263127	G060616		8.32	1.11	7.05E-05	8.35E-04
T084696	G019649		4.91	-1.11	7.08E-05	8.36E-04
uc.245+	uc.245	ZFPM2	5.33	-1.92	7.10E-05	8.38E-04
ENST00000608204	RP11-367N14.3		8.69	-1.47	7.11E-05	8.39E-04
T338933	G079508		6.26	1.02	7.12E-05	8.39E-04
T097851	G023034	HS6ST3	5.36	1.03	7.12E-05	8.39E-04
NR_104668	LOC101928505		6.11	-1.12	7.13E-05	8.40E-04
ENST00000550279	RP11-87P13.2		5.97	1.61	7.15E-05	8.41E-04
ENST00000421604	AP001255.2		6.19	-1.02	7.18E-05	8.44E-04
T133550	G031374		7.01	1.21	7.18E-05	8.44E-04
T015468	G003397	ABCA4	5.23	-1.27	7.21E-05	8.46E-04
T092453	G021430		5.58	1.32	7.23E-05	8.47E-04
T195850	G045122		4.63	1.06	7.26E-05	8.50E-04
T360590	G085133		6.34	1.13	7.26E-05	8.50E-04
T091205	G021060		5.06	1.10	7.27E-05	8.51E-04
uc.19+	uc.19	RNF220	5.12	1.16	7.28E-05	8.51E-04
NR_036678	LOC283299		4.46	1.45	7.28E-05	8.52E-04
T016619	G003711		4.03	-1.48	7.29E-05	8.52E-04
NR_038458	TOB1-AS1	TOB1	12.13	-1.13	7.29E-05	8.52E-04
NR_029434	PSMA3-AS1	PSMA3	6.62	1.69	7.30E-05	8.53E-04
T194442	G044825		8.85	-2.41	7.35E-05	8.56E-04
T157781	G036348		5.64	1.07	7.36E-05	8.57E-04
ENST00000540875	RP11-221N13.4		5.37	1.16	7.37E-05	8.57E-04
ENST00000607140	RP11-254F7.4		8.78	-1.01	7.42E-05	8.61E-04
uc002wqn.3	BC043266		9.16	-1.21	7.47E-05	8.66E-04
NR_027288	LOC341056		4.32	1.57	7.47E-05	8.66E-04
ENST00000555383	RP11-404P21.5	BDKRB2	10.72	-1.65	7.51E-05	8.69E-04
ENST00000427247	RP11-262I2.2		4.59	-1.45	7.52E-05	8.70E-04
NR_034120	LINC-PINT		8.31	1.59	7.52E-05	8.70E-04
T070082	G016212		5.63	1.15	7.53E-05	8.70E-04
NR_077228	MTHFD2P1		11.73	1.24	7.58E-05	8.74E-04
T268044	G062041		9.99	-1.36	7.58E-05	8.74E-04
NR_002727	RFPL1S	RFPL1	5.27	1.24	7.61E-05	8.76E-04
T326109	G076413		6.35	-1.13	7.65E-05	8.79E-04
T235733	G054224		4.18	-1.09	7.68E-05	8.82E-04
T062194	G014360		7.22	1.21	7.69E-05	8.83E-04
T189011	G043427	MCFD2	5.04	-1.01	7.69E-05	8.83E-04
NR_131905	CASP1P2	CASP1	5.58	-1.61	7.70E-05	8.84E-04
ENST00000602982	CTD-2033C11.1		11.16	-1.03	7.71E-05	8.84E-04
T299496	G070013		4.46	1.16	7.72E-05	8.85E-04
T197459	G045521		5.42	1.20	7.72E-05	8.85E-04
T038109	G008684		6.87	-1.06	7.73E-05	8.86E-04
T224263	G051778		6.36	-1.04	7.74E-05	8.86E-04
T013562	G002969	NEXN	5.18	1.56	7.73E-05	8.86E-04
NR_027252	CYP1B1-AS1		6.93	-1.07	7.76E-05	8.87E-04
T086272	G020022		4.13	-1.98	7.77E-05	8.88E-04
ENST00000520146	RP11-473O4.3	FAM49B	5.61	1.18	7.81E-05	8.91E-04
T261687	G060187	C1QTNF7	4.40	-1.98	7.82E-05	8.92E-04
T282293	G065749		4.61	-1.24	7.83E-05	8.93E-04
ENST00000508010	RP11-269F21.2		5.55	-1.73	7.83E-05	8.93E-04
T015507	G003411		5.66	-1.46	7.86E-05	8.95E-04

T261064	G060044		8.85	1.05	7.86E-05	8.95E-04
TCONS_00012100	XLOC_005629		3.90	1.73	7.88E-05	8.96E-04
NR_027430	TMEM254-AS1	TMEM254	6.68	1.14	7.90E-05	8.97E-04
GSE61474_TCONS_00055982	GSE61474_XLOC_010898		5.61	1.57	7.98E-05	9.04E-04
T048835	G011403		5.10	1.14	8.04E-05	9.10E-04
T209219	G048395		5.52	1.10	8.13E-05	9.17E-04
T057256	G013248		4.76	-1.05	8.14E-05	9.17E-04
T284686	G066399		5.18	-1.19	8.15E-05	9.18E-04
T299396	G069986		5.40	2.02	8.15E-05	9.18E-04
ENST00000512941	AC113167.2		4.83	-1.21	8.28E-05	9.28E-04
T344315	G080978		5.14	-1.78	8.31E-05	9.30E-04
ENST00000420146	RP11-61D3.1		6.32	-1.39	8.33E-05	9.31E-04
uc031qjg.1	AK129935		5.13	1.95	8.33E-05	9.31E-04
ENST00000583156	RP11-466A19.6	MYO1D	6.99	-1.37	8.40E-05	9.35E-04
T092526	G021462		6.28	2.47	8.44E-05	9.39E-04
T025197	G005508		6.28	-1.46	8.46E-05	9.40E-04
NR_120336	LINC01491		7.76	1.37	8.50E-05	9.44E-04
T091336	G021096		4.69	1.52	8.55E-05	9.46E-04
T290751	G067970		6.36	-1.35	8.56E-05	9.47E-04
T356864	G084189		5.04	-1.24	8.56E-05	9.47E-04
ENST00000597164	AC005785.2	AKAP8L	5.46	-1.13	8.60E-05	9.49E-04
T264709	G061089		4.60	-1.35	8.62E-05	9.51E-04
T279889	G064999		5.75	1.12	8.63E-05	9.51E-04
ENST00000421734	RP11-575L7.4	KIF27	5.31	1.98	8.63E-05	9.51E-04
T049251	G011518		4.67	1.88	8.65E-05	9.52E-04
uc004bos.3	AB074162	NR6A1	8.54	-1.15	8.67E-05	9.54E-04
NR_120585	LOC102723895		5.78	-2.31	8.68E-05	9.54E-04
ENST00000568809	RP11-524D16__A.3		8.68	1.54	8.71E-05	9.57E-04
T065470	G015088	CTSC	6.50	1.18	8.73E-05	9.60E-04
ENST00000435175	AC106875.1	LPIN1	6.66	-1.74	8.75E-05	9.61E-04
T038054	G008674	PLXDC2	4.35	-1.45	8.77E-05	9.63E-04
ENST00000534002	RP11-680E19.1		5.62	1.89	8.83E-05	9.66E-04
T280734	G065290		5.85	1.12	8.85E-05	9.68E-04
T347330	G081824		5.00	-1.74	8.89E-05	9.70E-04
T353000	G083347		4.84	1.13	8.90E-05	9.71E-04
T122893	G028988		5.08	-1.01	8.92E-05	9.72E-04
T210831	G048792	TWIST2	4.41	-1.43	8.93E-05	9.73E-04
NR_001278	CYP2B7P		8.56	-1.01	8.93E-05	9.73E-04
ENST00000563515	RP11-356C4.5		5.84	1.51	8.97E-05	9.75E-04
T164487	G038195	MBP	6.66	-1.87	9.01E-05	9.79E-04
NR_110917	LOC101927580		5.18	-1.98	9.04E-05	9.81E-04
T097980	G023066		5.26	2.48	9.05E-05	9.83E-04
T140209	G032709		6.08	1.62	9.08E-05	9.85E-04
ENST00000577853	RP11-196G18.23	HIST2H4A	10.55	-1.23	9.12E-05	9.88E-04
TCONS_00028417	XLOC_013770		6.12	1.46	9.22E-05	9.96E-04
ENST00000602607	RP3-426I6.5	STX12	10.82	-1.26	9.24E-05	9.98E-04
T307825	G071989		4.76	-1.07	9.29E-05	1.00E-03
NR_046873	TPRG1-AS1	TPRG1	8.36	-1.00	9.38E-05	1.01E-03
ENST00000424506	RP3-463P15.1		4.98	1.74	9.40E-05	1.01E-03
ENST00000563052	CTD-2049O4.1	KIAA0556	6.30	1.34	9.41E-05	1.01E-03
uc021qtf.1	DQ591569	PRMT8	6.02	1.67	9.45E-05	1.01E-03
T311688	G073056		5.36	1.03	9.48E-05	1.02E-03
NR_110272	LOC101927709		4.75	1.78	9.51E-05	1.02E-03
ENST00000606959	RP11-557L19.1		4.30	-1.75	9.54E-05	1.02E-03
T017643	G003950		5.14	1.36	9.57E-05	1.02E-03

ENST00000555106	RP11-293M10.2	RP11-293M10.1	4.84	-1.56	9.60E-05	1.03E-03
TCONS_00011941	XLOC_005451		4.57	1.25	9.64E-05	1.03E-03
ENST00000410732	RN7SKP123		5.39	2.42	9.67E-05	1.03E-03
TCONS_00017618	XLOC_008306		7.95	-1.02	9.68E-05	1.03E-03
TCONS_00008360	XLOC_003810		5.13	-1.22	9.70E-05	1.03E-03
TCONS_00029721	XLOC_014397		6.03	-2.07	9.74E-05	1.04E-03
TCONS_00016395	XLOC_007764		5.72	1.88	9.78E-05	1.04E-03
T142994	G033286		4.99	-1.12	9.81E-05	1.04E-03
ENST00000524042	RP11-855C21.1	CDH12	5.02	-1.91	9.87E-05	1.05E-03
T338002	G079257		6.18	1.00	9.88E-05	1.05E-03
TCONS_00011440	XLOC_005593		15.97	-1.03	9.90E-05	1.05E-03
NR_040098	LOC100506393		4.75	-1.03	9.92E-05	1.05E-03
ENST00000316148	RP11-16K12.1	RASGRF1	5.07	1.20	9.93E-05	1.05E-03
TCONS_00009876	XLOC_004297		6.97	1.15	9.94E-05	1.05E-03
ENST00000608767	AF129408.17	PSMG1	9.40	-1.09	9.96E-05	1.05E-03
NR_110552	LOC102724153	FLVCR2	4.89	1.30	1.00E-04	1.05E-03
NR_026970	LY86-AS1	LY86	6.60	1.25	1.01E-04	1.06E-03
T190913	G043959		4.39	-1.72	1.01E-04	1.06E-03
ENST00000562082	RP11-119F7.5		10.25	-1.61	1.02E-04	1.07E-03
ENST00000561663	RP11-343H19.1	NUP93	4.71	-1.09	1.02E-04	1.07E-03
T291991	G068266		5.17	1.89	1.03E-04	1.07E-03
ENST00000444605	LINC00418		4.93	1.76	1.03E-04	1.07E-03
NR_110786	LOC101929099	CD101	7.64	1.06	1.03E-04	1.07E-03
T042417	G009731		5.31	1.33	1.03E-04	1.08E-03
T042929	G009895		5.92	-1.38	1.04E-04	1.08E-03
TCONS_00010167	XLOC_004631		7.16	1.24	1.04E-04	1.08E-03
T360454	G085077		4.45	-1.57	1.04E-04	1.08E-03
T122605	G028937		6.88	2.22	1.04E-04	1.08E-03
NR_110761	LOC102723769		7.05	1.02	1.05E-04	1.09E-03
T258278	G059472		5.48	-1.16	1.05E-04	1.09E-03
T066089	G015269		4.82	-1.18	1.06E-04	1.09E-03
ENST00000608515	CTB-13F3.1	LAMB1	9.96	-1.07	1.06E-04	1.09E-03
T050173	G011736		5.40	-1.18	1.06E-04	1.09E-03
T158504	G036551		4.72	-1.40	1.06E-04	1.09E-03
NR_026904	PABPC1P2		5.48	-1.37	1.07E-04	1.11E-03
NR_110870	LOC101929420		6.34	1.61	1.07E-04	1.11E-03
T007398	G001583	KIAA1522	6.48	1.06	1.08E-04	1.11E-03
ENST00000417346	RP4-800J21.3	RBM38	7.18	1.41	1.08E-04	1.11E-03
T378388	G089527		7.45	1.14	1.09E-04	1.12E-03
ENST00000455238	RP11-193P11.3		4.11	1.12	1.09E-04	1.12E-03
T172584	G040069		5.99	1.32	1.09E-04	1.12E-03
TCONS_00028113	XLOC_013467		5.27	-1.38	1.09E-04	1.12E-03
NR_103835	ANO1-AS2		5.26	-1.10	1.10E-04	1.12E-03
T307998	G072043		5.44	1.03	1.10E-04	1.13E-03
T307291	G071848		5.10	1.12	1.10E-04	1.13E-03
T255477	G058882		5.45	-1.14	1.11E-04	1.13E-03
NR_131221	SPRY4-IT1	SPRY4	11.80	1.58	1.12E-04	1.14E-03
T155284	G035908		5.22	-1.31	1.13E-04	1.15E-03
T309913	G072607		4.54	-2.09	1.13E-04	1.15E-03
ENST00000563810	RP11-930P14.2	ANK1	12.15	-1.08	1.13E-04	1.15E-03
ENST00000433734	RP5-1065P14.2		5.08	-1.64	1.14E-04	1.15E-03
T097044	G022791		6.21	1.81	1.14E-04	1.16E-03
T269343	G062397		7.43	1.64	1.15E-04	1.16E-03
T306649	G071653		4.57	-1.55	1.15E-04	1.16E-03

TCONS_00016270	XLOC_007647		4.33	2.87	1.15E-04	1.16E-03
T070599	G016335		4.36	1.71	1.16E-04	1.17E-03
TCONS_I2_00003238	XLOC_I2_001731		6.63	-1.53	1.16E-04	1.17E-03
T331129	G077569		7.95	-1.63	1.16E-04	1.17E-03
T042114	G009653		8.70	1.14	1.16E-04	1.17E-03
NR_026876	RNF217-AS1	RNF217	6.44	1.57	1.17E-04	1.17E-03
T132588	G031106		7.32	2.80	1.17E-04	1.17E-03
T101030	G023849		7.41	1.12	1.18E-04	1.18E-03
ENST00000511867	RP11-1094H24.3		7.33	-1.44	1.18E-04	1.18E-03
T031895	G007203		5.42	1.19	1.18E-04	1.18E-03
T142095	G033137		3.97	-1.44	1.18E-04	1.18E-03
ENST00000423283	RP11-123B3.2	ERCC6	6.88	1.10	1.18E-04	1.18E-03
T314862	G073882		5.34	1.14	1.19E-04	1.18E-03
T193118	G044482		7.19	1.02	1.19E-04	1.18E-03
T033298	G007541		4.71	-1.20	1.19E-04	1.18E-03
T335854	G078774		7.20	1.05	1.19E-04	1.18E-03
T117916	G027834	USP3	6.25	1.02	1.19E-04	1.18E-03
T133589	G031399		6.66	1.08	1.19E-04	1.18E-03
T098984	G023358		7.16	-1.43	1.19E-04	1.19E-03
T120603	G028488	ARNT2	6.50	-2.31	1.19E-04	1.19E-03
T274033	G063665		5.25	1.51	1.19E-04	1.19E-03
ENST00000439798	AC097713.4		5.01	-1.02	1.20E-04	1.19E-03
T034033	G007738		4.85	1.33	1.20E-04	1.19E-03
T087854	G020427		5.02	-1.35	1.20E-04	1.19E-03
T279146	G064788		7.26	1.01	1.21E-04	1.20E-03
T263126	G060623		7.13	1.02	1.22E-04	1.20E-03
T046778	G010889	SLIT1	5.88	1.08	1.22E-04	1.20E-03
T371198	G087524		4.53	1.36	1.22E-04	1.21E-03
NR_125864	LOC101929705	C6orf223	10.01	-1.41	1.22E-04	1.21E-03
TCONS_00019626	XLOC_009427		6.42	1.15	1.22E-04	1.21E-03
T181667	G041790		7.20	-1.06	1.23E-04	1.21E-03
ENST00000413385	AC011286.1		6.79	1.18	1.23E-04	1.21E-03
ENST00000579580	RP11-344B2.2	GAREM	5.57	1.21	1.23E-04	1.21E-03
ENST00000510242	RP11-284A20.2		4.61	-1.36	1.24E-04	1.22E-03
T185142	G042505		6.23	-1.07	1.24E-04	1.22E-03
NR_121572	GXYLT1P3		6.05	2.53	1.24E-04	1.22E-03
TCONS_00022133	XLOC_010743		5.42	1.46	1.24E-04	1.22E-03
T050813	G011892		5.37	-1.62	1.25E-04	1.22E-03
T214284	G049551		6.63	-1.36	1.25E-04	1.23E-03
T257271	G059317		5.35	1.01	1.26E-04	1.23E-03
ENST00000438905	ARMC4P1		6.61	1.25	1.26E-04	1.23E-03
T162831	G037660	ALPK2	5.69	1.03	1.26E-04	1.23E-03
T009872	G002089		9.46	1.19	1.27E-04	1.23E-03
T110182	G026110	YY1	12.30	1.01	1.27E-04	1.24E-03
ENST00000588041	RP1-193H18.2		9.29	-2.01	1.27E-04	1.24E-03
uc.211-	uc.211	SKAP2	5.24	1.10	1.28E-04	1.24E-03
T093881	G021813		5.07	1.70	1.28E-04	1.24E-03
T203354	G047010		5.02	1.03	1.28E-04	1.24E-03
T231252	G053199	ADRBK2	4.92	1.71	1.28E-04	1.24E-03
T273704	G063554		5.26	-1.75	1.29E-04	1.25E-03
ENST00000508469	CTD-2251F13.1	PRKD1	8.18	1.08	1.29E-04	1.25E-03
GSE61474_TCONS_00278820	GSE61474_XLOC_052518		4.00	-1.35	1.29E-04	1.25E-03
T117748	G027792		5.80	1.55	1.29E-04	1.25E-03
ENST00000453229	RP11-230B22.1	DOCK7	5.01	1.66	1.29E-04	1.25E-03
NR_046840	ARHGEF38-IT1	ARHGEF38	3.99	-1.01	1.29E-04	1.25E-03

TCONS_00008058	XLOC_003523		6.25	1.08	1.29E-04	1.25E-03
NR_034119	LINC00460		10.32	1.16	1.29E-04	1.25E-03
T047814	G011114		6.91	1.55	1.30E-04	1.25E-03
T212266	G049018		6.74	1.13	1.30E-04	1.26E-03
ENST00000568893	RP11-23E10.2		6.21	-1.03	1.30E-04	1.26E-03
ENST00000510987	CTD-2013M15.1		6.08	1.04	1.31E-04	1.26E-03
T015721	G003449		4.97	-1.41	1.31E-04	1.26E-03
ENST00000434301	AC092667.2	AFF3	7.43	1.17	1.31E-04	1.26E-03
T098547	G023273		3.83	-1.11	1.31E-04	1.26E-03
T001910	G000285		13.18	-3.48	1.32E-04	1.27E-03
T209730	G048540		4.52	1.38	1.32E-04	1.27E-03
ENST00000444536	LINC00395		4.31	-1.64	1.33E-04	1.27E-03
T083978	G019477	BTG1	9.89	-1.12	1.33E-04	1.27E-03
T285789	G066672		3.76	1.38	1.34E-04	1.28E-03
NR_125893	LOC101928306		5.54	-1.80	1.34E-04	1.28E-03
T078937	G018269		4.16	-1.04	1.34E-04	1.28E-03
uc001bhf.1	AX748204	E2F2	5.60	1.31	1.35E-04	1.29E-03
T227490	G052485		4.37	-1.47	1.35E-04	1.29E-03
ENST00000414126	AC073316.2		7.72	-1.08	1.35E-04	1.29E-03
ENST00000446333	RP11-168O16.1	KIF21B	7.21	1.34	1.35E-04	1.29E-03
NR_120517	LOC102723885	SRI	4.48	-1.14	1.35E-04	1.29E-03
T328159	G076930		4.04	1.45	1.36E-04	1.29E-03
ENST00000412163	RP1-171K16.5		5.71	1.05	1.36E-04	1.29E-03
ENST00000556130	RP11-58E21.4		5.08	1.29	1.36E-04	1.29E-03
ENST00000566567	RP11-83N9.5		10.36	-1.34	1.37E-04	1.30E-03
uc001qtq.1	AY455283		9.57	-1.27	1.37E-04	1.30E-03
T361043	G085294		4.80	-1.21	1.38E-04	1.30E-03
TCONS_00015916	XLOC_007278		6.89	-1.59	1.38E-04	1.31E-03
T038692	G008830		4.84	1.95	1.38E-04	1.31E-03
NR_027086	LOC284578		4.29	-1.30	1.39E-04	1.31E-03
TCONS_00019647	XLOC_009453		5.25	1.71	1.39E-04	1.31E-03
T018190	G004098		6.23	-1.48	1.39E-04	1.31E-03
T352083	G083097		4.24	-1.69	1.39E-04	1.31E-03
NR_110809	LOC101927666	DYNLL2	7.05	1.75	1.39E-04	1.31E-03
T065681	G015138		4.37	-1.15	1.40E-04	1.32E-03
TCONS_0000846	XLOC_000061		4.91	-1.02	1.40E-04	1.32E-03
T113004	G026672	SNRPN	5.26	1.95	1.40E-04	1.32E-03
ENST00000565862	RP11-594N15.3		5.99	-1.44	1.40E-04	1.32E-03
NR_027345	LINC00173		8.98	-1.23	1.42E-04	1.33E-03
ENST00000556669	RP11-433J8.2		4.59	1.68	1.42E-04	1.33E-03
T310662	G072820		4.53	1.90	1.42E-04	1.33E-03
NR_122104	LOC440446		5.42	2.17	1.43E-04	1.33E-03
TCONS_00003664	XLOC_001454		7.42	-2.12	1.43E-04	1.34E-03
T346430	G081565		4.97	-1.09	1.44E-04	1.34E-03
T203492	G047040		4.03	-1.13	1.44E-04	1.34E-03
ENST00000508799	RP11-818C3.1		4.39	1.39	1.44E-04	1.34E-03
TCONS_00021003	XLOC_010264		4.54	-1.72	1.45E-04	1.35E-03
ENST00000515092	RP11-43D2.2	ZNF608	8.70	-1.15	1.45E-04	1.35E-03
T151774	G035228	BCAS3	4.87	1.30	1.45E-04	1.35E-03
T362401	G085614		4.80	1.28	1.45E-04	1.35E-03
T097999	G023078		4.24	1.49	1.45E-04	1.35E-03
T216092	G050015	CCM2L	5.47	1.51	1.45E-04	1.35E-03
ENST00000446590	AC016683.5	PSD4	6.63	-1.09	1.46E-04	1.35E-03
T304894	G071134		4.96	1.12	1.46E-04	1.35E-03
TCONS_00022120	XLOC_010730		8.37	-1.15	1.46E-04	1.35E-03

ENST00000530190	CTD-2547H18.1	ACER3	5.75	1.70	1.47E-04	1.35E-03
T048267	G011232	SORCS1	4.22	-1.65	1.47E-04	1.36E-03
T313605	G073528		4.50	-1.26	1.48E-04	1.36E-03
T320706	G075124		8.23	-1.36	1.50E-04	1.37E-03
T376716	G089030		6.81	-1.55	1.50E-04	1.37E-03
uc001bxa.1	AX747064		8.94	-1.19	1.50E-04	1.38E-03
T266264	G061552		4.06	1.19	1.50E-04	1.38E-03
T208460	G048187		4.99	1.45	1.51E-04	1.38E-03
NR_120412	LMO7-AS1	LMO7	5.54	1.23	1.51E-04	1.38E-03
NR_110252	LOC101929452	RNF144A	4.53	1.28	1.51E-04	1.38E-03
T223247	G051507		5.12	1.53	1.51E-04	1.38E-03
NR_024121	LINC00235	CAPN15	7.39	1.94	1.52E-04	1.38E-03
T329958	G077285		5.79	-1.73	1.52E-04	1.39E-03
GSE61474_TCONS_00087871	GSE61474_XLOC_016666		5.45	-1.05	1.53E-04	1.39E-03
T056801	G013142	QSER1	7.03	-1.47	1.53E-04	1.39E-03
T196603	G045324		5.14	-1.50	1.54E-04	1.39E-03
T048718	G011373	ACSL5	8.67	-1.21	1.54E-04	1.40E-03
uc.145+	uc.145		3.85	-1.96	1.55E-04	1.40E-03
T099401	G023471		4.96	-2.39	1.56E-04	1.41E-03
ENST00000451992	RP3-455J7.4	RCSD1	6.51	1.34	1.57E-04	1.41E-03
ENST00000609552	RP11-127B20.3	HNRNP	11.68	-1.14	1.58E-04	1.42E-03
T272207	G063174		5.63	-1.13	1.58E-04	1.42E-03
T031849	G007184		6.12	-1.29	1.59E-04	1.42E-03
NR_038438	LOC146513		4.63	-1.48	1.59E-04	1.42E-03
ENST00000523178	CTC-436K13.6		4.84	2.24	1.60E-04	1.43E-03
T364690	G086227		4.47	1.27	1.60E-04	1.43E-03
T077308	G017899		5.13	2.30	1.60E-04	1.43E-03
ENST00000581901	RP11-138P22.1	LYRM9	5.29	1.73	1.60E-04	1.43E-03
T299425	G069993		10.45	1.51	1.61E-04	1.44E-03
T341601	G080198		9.57	-1.10	1.62E-04	1.44E-03
NR_038401	LOC100131047	DNAH8	5.38	1.41	1.62E-04	1.44E-03
NR_003081	GSTTP1		6.38	1.80	1.62E-04	1.44E-03
TCONS_00019608	XLOC_009409	DEPDC7	5.08	1.35	1.63E-04	1.45E-03
T001445	G000186		5.04	1.05	1.63E-04	1.45E-03
NR_038371	LINC01446		4.53	-1.65	1.63E-04	1.45E-03
T096969	G022775		4.88	-1.56	1.63E-04	1.45E-03
NR_103750	KIF25-AS1		5.13	1.19	1.64E-04	1.45E-03
T286616	G066861	FAM174A	4.83	1.14	1.64E-04	1.46E-03
T352174	G083123		7.83	-1.03	1.66E-04	1.46E-03
T081070	G018684		5.25	2.04	1.66E-04	1.46E-03
T323332	G075666		5.45	1.29	1.66E-04	1.47E-03
GSE61474_TCONS_00022304	GSE61474_XLOC_004169		7.32	1.22	1.67E-04	1.47E-03
T099993	G023601		5.37	-1.32	1.67E-04	1.47E-03
GSE61474_TCONS_00100423	GSE61474_XLOC_019335		5.98	1.25	1.68E-04	1.47E-03
NR_132103	PPP3CB-AS1	PPP3CB	8.80	1.10	1.68E-04	1.48E-03
T037327	G008489		7.19	1.13	1.68E-04	1.48E-03
ENST00000411940	RP6-27P15.2		4.20	-1.47	1.68E-04	1.48E-03
ENST00000520370	RP11-246K15.1		5.54	1.71	1.68E-04	1.48E-03
GSE61474_TCONS_00058843	GSE61474_XLOC_011419		7.23	-1.04	1.69E-04	1.48E-03
TCONS_00021871	XLOC_010470		4.81	-1.81	1.69E-04	1.48E-03
T024459	G005339		4.75	1.21	1.70E-04	1.49E-03
T205901	G047630		4.81	2.34	1.71E-04	1.49E-03
ENST00000603643	RP11-461L13.4		6.55	1.11	1.71E-04	1.49E-03
NR_024454	NDUFB2-AS1	ADCK2	8.04	1.01	1.72E-04	1.50E-03
ENST00000549527	RP1-78O14.1	SYT1	5.84	-1.37	1.73E-04	1.50E-03

ENST00000454387	CTA-929C8.7		6.55	1.51	1.73E-04	1.50E-03
ENST00000474798	CTD-2021J15.1	DCBLD2	5.96	1.14	1.73E-04	1.50E-03
T133640	G031423		5.36	-1.26	1.73E-04	1.51E-03
NR_103832	SDR16C6P		5.48	1.39	1.75E-04	1.51E-03
ENST00000560068	RP11-66B24.4	ALDH1A3	7.60	1.06	1.75E-04	1.52E-03
T347175	G081784		4.95	1.77	1.76E-04	1.52E-03
T206137	G047699	ICOS	4.68	1.40	1.76E-04	1.52E-03
T324149	G075870		4.20	-1.22	1.76E-04	1.52E-03
T333897	G078260		5.65	-1.37	1.76E-04	1.52E-03
NR_001447	MT1L		9.99	1.02	1.77E-04	1.52E-03
T087049	G020213		6.00	1.05	1.78E-04	1.53E-03
NR_110876	LOC102723505		6.33	1.23	1.78E-04	1.53E-03
ENST00000450292	RP11-349E4.1		4.24	-1.13	1.78E-04	1.53E-03
T002024	G000314		4.69	-1.29	1.79E-04	1.54E-03
T027041	G006027		6.81	-1.03	1.80E-04	1.54E-03
T106139	G025075	MPP5	4.91	-1.00	1.80E-04	1.55E-03
T204481	G047285		4.88	-1.42	1.81E-04	1.55E-03
ENST00000451264	AC004540.4	SNX10	5.61	1.01	1.82E-04	1.56E-03
T332428	G077925		6.41	1.33	1.83E-04	1.56E-03
T286661	G066875		5.78	-1.43	1.83E-04	1.57E-03
T219057	G050645		5.73	1.57	1.83E-04	1.57E-03
ENST00000600965	RP11-247A12.7		8.62	-1.01	1.84E-04	1.57E-03
T030654	G006889		4.82	-1.70	1.84E-04	1.57E-03
TCONS_00008952	XLOC_003811		4.38	-1.23	1.85E-04	1.58E-03
T266578	G061653		5.55	-1.35	1.86E-04	1.58E-03
ENST00000461517	RN7SL494P	HDC	5.69	1.33	1.86E-04	1.58E-03
T316762	G074215		5.62	-1.17	1.86E-04	1.58E-03
T262425	G060375		4.74	1.74	1.86E-04	1.58E-03
T304693	G071058		4.19	-1.77	1.87E-04	1.59E-03
T324990	G076138		6.45	1.20	1.88E-04	1.59E-03
TCONS_00008566	XLOC_004060		4.61	2.18	1.88E-04	1.59E-03
T118197	G027894		5.20	-1.16	1.88E-04	1.59E-03
T164519	G038207		5.02	-1.01	1.89E-04	1.60E-03
T306943	G071734		3.89	-2.29	1.90E-04	1.61E-03
NR_102740	LINC01024		7.26	1.37	1.91E-04	1.61E-03
T361556	G085398		5.63	-2.00	1.92E-04	1.61E-03
ENST00000584331	RP11-296E23.2	GREB1L	7.21	-1.01	1.92E-04	1.61E-03
ENST00000515358	RP11-5N11.5	PDZD2	4.72	1.11	1.92E-04	1.62E-03
TCONS_00011296	XLOC_005269		5.94	1.73	1.92E-04	1.62E-03
T042613	G009806		4.20	-1.31	1.92E-04	1.62E-03
NR_121673	LINC00824		4.57	1.25	1.92E-04	1.62E-03
T307535	G071913		4.98	-1.24	1.93E-04	1.62E-03
ENST00000558699	RP11-182L7.1	AGBL1	4.06	-1.43	1.94E-04	1.62E-03
ENST00000423643	RP11-132N15.3		5.20	1.20	1.95E-04	1.63E-03
uc002rlw.3	BC048132	BRE	5.53	1.38	1.96E-04	1.64E-03
NR_125820	LOC101929622		6.54	1.77	1.96E-04	1.64E-03
T133062	G031244	SLC12A3	5.74	1.05	1.96E-04	1.64E-03
ENST00000589794	RP11-126O1.2	ALPK2	6.76	-1.01	1.96E-04	1.64E-03
NR_038397	DNM3OS	DNM3	7.20	-1.56	1.96E-04	1.64E-03
T313788	G073565	VIP	4.15	-1.07	1.97E-04	1.64E-03
T169312	G039315	ZSWIM4	9.04	-1.09	1.97E-04	1.64E-03
ENST00000416470	RP5-1056L3.1	MINOS1	6.11	1.24	1.97E-04	1.64E-03
T209570	G048491		5.84	1.39	1.97E-04	1.65E-03
T197524	G045557		6.14	1.79	1.98E-04	1.65E-03
NR_049896	C18orf61		6.46	-1.01	1.98E-04	1.65E-03

ENST00000593957	CTD-2521M24.6	MVB12A	4.88	1.17	1.99E-04	1.66E-03
uc.402+	uc.402	RPGRIP1L	5.18	1.68	2.00E-04	1.66E-03
T045128	G010454		4.68	-1.64	2.00E-04	1.66E-03
uc003nih.3	BC033330		6.30	1.19	2.00E-04	1.66E-03
T038570	G008800		5.72	1.48	2.01E-04	1.67E-03
T005137	G001025	RAP1GAP	5.02	1.58	2.02E-04	1.67E-03
T278054	G064474		4.83	1.13	2.02E-04	1.68E-03
T163506	G037895		5.14	1.12	2.03E-04	1.68E-03
NR_110256	LOC101929551		4.33	-1.37	2.04E-04	1.68E-03
NR_039987	LINC01005		4.90	1.60	2.04E-04	1.69E-03
T318776	G074656		8.58	2.33	2.05E-04	1.69E-03
T246428	G056669		4.27	1.17	2.06E-04	1.69E-03
uc001stq.1	AK055974		5.23	1.53	2.06E-04	1.69E-03
ENST00000609182	RP11-399K21.13		10.64	-1.02	2.06E-04	1.70E-03
T306302	G071573		5.73	1.11	2.06E-04	1.70E-03
TCONS_00006302	XLOC_002903		4.84	-1.12	2.07E-04	1.70E-03
ENST00000456587	RP4-651E10.4	CLCA4	5.01	-1.55	2.08E-04	1.71E-03
ENST00000609349	RP11-332H14.1		10.89	-1.06	2.09E-04	1.71E-03
T200420	G046261	ARHGAP15	6.04	-2.31	2.09E-04	1.71E-03
TCONS_00028451	XLOC_013811		6.53	1.99	2.09E-04	1.71E-03
T304359	G070983		5.04	1.55	2.09E-04	1.71E-03
T051021	G011947		4.47	-1.03	2.09E-04	1.72E-03
ENST00000562644	GS1-21A4.1	CA5A	11.66	1.05	2.10E-04	1.72E-03
T281476	G065494	C6	6.07	-1.20	2.10E-04	1.72E-03
T336466	G078908		7.33	-1.01	2.11E-04	1.72E-03
T047116	G010989		5.14	1.63	2.11E-04	1.72E-03
T057547	G013341	TTC17	8.07	-1.09	2.12E-04	1.73E-03
ENST00000563687	RP4-536B24.2	SLC7A5	6.95	-1.00	2.12E-04	1.73E-03
T287513	G067143		5.28	-2.41	2.13E-04	1.74E-03
T252913	G058248		4.47	1.10	2.14E-04	1.74E-03
T247299	G056859		4.54	-1.28	2.15E-04	1.75E-03
T130021	G030469	TMEM219	5.45	-1.13	2.16E-04	1.75E-03
GSE61474_TCONS_00322328	GSE61474_XLOC_062069		5.43	1.39	2.17E-04	1.76E-03
ENST00000444852	AC007099.2		4.07	-1.85	2.18E-04	1.76E-03
T203359	G047011		4.80	-2.19	2.19E-04	1.77E-03
T131415	G030770		8.65	1.15	2.20E-04	1.78E-03
T047053	G010963		4.56	1.15	2.21E-04	1.78E-03
T197036	G045436		4.38	1.55	2.22E-04	1.79E-03
ENST00000534675	RP11-354A14.1		5.80	-1.44	2.23E-04	1.79E-03
T331049	G077531		4.81	2.35	2.24E-04	1.80E-03
NR_110580	LINC01248		5.20	1.61	2.25E-04	1.80E-03
T062752	G014474		5.04	1.23	2.26E-04	1.80E-03
ENST00000590983	RP11-873E20.1		5.80	1.84	2.26E-04	1.81E-03
T180441	G041570	ZNF525	10.37	-1.02	2.28E-04	1.82E-03
T336781	G078980		5.97	-1.40	2.28E-04	1.82E-03
T272013	G063125		6.09	-1.66	2.29E-04	1.82E-03
ENST00000447405	AP000477.2		4.26	-1.06	2.29E-04	1.82E-03
T335625	G078716		4.13	1.41	2.30E-04	1.83E-03
ENST00000586011	FAM138F		5.41	1.21	2.30E-04	1.83E-03
TCONS_00020888	XLOC_010165		5.00	-1.24	2.31E-04	1.83E-03
ENST00000433521	RP4-682C21.5	ACADM	13.99	-1.30	2.31E-04	1.83E-03
NR_015389	LINC00667		11.50	-1.06	2.32E-04	1.84E-03
uc003jpf.3	BC048141		5.14	1.31	2.32E-04	1.84E-03
ENST00000522281	RP11-44D19.1		5.13	-1.27	2.32E-04	1.84E-03
T082038	G018998		4.47	1.19	2.32E-04	1.84E-03

T129675	G030390	NFATC2IP	6.84	1.46	2.33E-04	1.84E-03
GSE61474_TCONS_00152495	GSE61474_XLOC_028262		11.80	-1.22	2.33E-04	1.84E-03
T218580	G050555		4.63	1.96	2.36E-04	1.86E-03
ENST00000566927	LA16c-313D11.12	WDR24	11.01	-1.12	2.37E-04	1.86E-03
ENST00000449525	RP11-382D12.1		5.51	1.49	2.37E-04	1.86E-03
T120045	G028338		7.38	-1.49	2.37E-04	1.87E-03
ENST00000532123	AP000857.3	DLG2	5.02	-2.00	2.37E-04	1.87E-03
T333716	G078243	CALD1	4.33	-1.39	2.39E-04	1.87E-03
ENST00000566143	CTD-2196E14.5	PLK1	4.38	-1.24	2.39E-04	1.87E-03
ENST00000607697	CTD-2541M15.4		8.37	-1.04	2.39E-04	1.87E-03
ENST00000507826	RP11-284M14.1	USP38	4.27	-1.10	2.39E-04	1.88E-03
T349498	G082459	EBAG9	5.12	1.13	2.40E-04	1.88E-03
T109935	G026040	C14orf64	4.34	-1.09	2.41E-04	1.88E-03
T109151	G025845	RIN3	4.13	-1.20	2.42E-04	1.89E-03
T242494	G055714		6.15	1.66	2.42E-04	1.89E-03
TCONS_00001536	XLOC_000885		4.34	-1.64	2.43E-04	1.89E-03
NR_121570	LOC101928381		4.73	1.12	2.43E-04	1.89E-03
T162538	G037589		4.59	1.22	2.43E-04	1.90E-03
ENST00000522057	RP11-10A14.3	PPP1R3B	5.41	-1.33	2.45E-04	1.91E-03
T171995	G039947	ZNF726	5.03	-1.39	2.46E-04	1.91E-03
TCONS_00023300	XLOC_011169		4.30	-1.05	2.48E-04	1.93E-03
ENST00000412065	AC006994.2	ACADL	5.45	-1.25	2.49E-04	1.93E-03
NR_024510	LINC00623		5.90	1.19	2.50E-04	1.94E-03
T091344	G021099		6.84	-1.05	2.51E-04	1.94E-03
T373822	G088207		7.96	1.32	2.51E-04	1.94E-03
T246476	G056678		4.62	-1.94	2.52E-04	1.95E-03
ENST00000603915	RP11-348N5.7	BBIP1	7.51	-1.33	2.52E-04	1.95E-03
T344850	G081120		4.48	-2.02	2.53E-04	1.95E-03
T073038	G016793		6.37	1.03	2.57E-04	1.97E-03
T245338	G056310		4.18	1.41	2.57E-04	1.97E-03
uc.359-	uc.359	NOVA1	6.41	-1.78	2.57E-04	1.98E-03
ENST00000411511	RP3-462D8.2		4.78	-1.03	2.58E-04	1.98E-03
TCONS_00004621	XLOC_002530		7.25	-1.05	2.58E-04	1.98E-03
ENST00000610049	RP5-1180E21.5	CEPT1	7.32	1.03	2.59E-04	1.98E-03
NR_024367	LINC00111		5.14	1.23	2.60E-04	1.99E-03
T265938	G061465	UGT2B11	4.62	1.09	2.60E-04	1.99E-03
T225744	G052179	DOPEY2	4.47	1.35	2.60E-04	1.99E-03
T235551	G054175	TBC1D22A	5.83	-2.12	2.60E-04	1.99E-03
ENST00000437233	AC084149.2		6.30	-1.13	2.60E-04	1.99E-03
T341233	G080089		5.21	1.13	2.61E-04	1.99E-03
ENST00000517950	CTD-2281E23.3		7.27	1.07	2.62E-04	2.00E-03
T062135	G014340		5.71	-1.47	2.65E-04	2.02E-03
T190477	G043856	PELI1	5.66	1.55	2.66E-04	2.02E-03
T244506	G056079		5.58	-1.45	2.67E-04	2.03E-03
ENST00000515077	CTD-2187J20.1		6.10	-1.03	2.68E-04	2.03E-03
T233281	G053670		8.08	-1.03	2.68E-04	2.03E-03
ENST00000453008	AC062029.1	EIF2AK3	6.79	-1.01	2.68E-04	2.03E-03
NR_045196	SNHG18	SEMA5A	14.35	-1.01	2.68E-04	2.03E-03
T099158	G023420		5.89	1.14	2.70E-04	2.04E-03
T204582	G047305	WDR75	4.89	1.91	2.70E-04	2.04E-03
T020119	G004466	LOC388692	5.37	1.22	2.70E-04	2.04E-03
TCONS_00024485	XLOC_011804		9.64	-2.05	2.70E-04	2.04E-03
T005060	G001001	ECE1	5.56	-1.37	2.71E-04	2.05E-03
ENST00000513859	CTD-2287N17.1		6.44	-1.54	2.71E-04	2.05E-03
ENST00000511165	RP11-114H21.2		4.71	-1.85	2.72E-04	2.05E-03

NR_046551	DLEU7-AS1	DLEU7	5.79	-1.03	2.72E-04	2.05E-03
T239952	G055246		4.68	1.39	2.73E-04	2.06E-03
ENST00000605911	RP11-347C18.5	CCNE2	8.24	-1.04	2.73E-04	2.06E-03
NR_110798	LOC102724651		4.46	1.11	2.73E-04	2.06E-03
TCONS_00001172	XLOC_000424		6.33	1.09	2.74E-04	2.06E-03
ENST00000595909	CTD-3222D19.7		4.53	-1.50	2.74E-04	2.06E-03
ENST00000510753	RP11-171N4.1		4.38	-1.06	2.74E-04	2.06E-03
T177113	G040963	PVRL2	4.65	-1.43	2.76E-04	2.07E-03
NR_015375	VLDLR-AS1	VLDLR	4.73	1.85	2.76E-04	2.07E-03
ENST00000567386	RP11-556H2.4	WVOX	5.31	-1.00	2.76E-04	2.07E-03
T353101	G083383		6.55	-1.69	2.77E-04	2.08E-03
TCONS_00009934	XLOC_004362		4.91	-1.84	2.77E-04	2.08E-03
T027111	G006053		4.75	-1.34	2.78E-04	2.08E-03
GSE61474_TCONS_00017548	GSE61474_XLOC_003354		6.70	1.10	2.78E-04	2.08E-03
ENST00000519491	RP11-281O15.4	GRM6	4.66	-1.38	2.78E-04	2.08E-03
uc010ptc.1	BC010168		5.12	1.04	2.79E-04	2.08E-03
TCONS_00017926	XLOC_008729		5.97	1.02	2.80E-04	2.09E-03
T373259	G088061		5.89	-1.18	2.80E-04	2.10E-03
TCONS_00011947	XLOC_005460		4.89	-1.47	2.82E-04	2.10E-03
NR_003141	SNHG4	MATR3	6.54	1.26	2.82E-04	2.11E-03
T308089	G072064		4.28	1.20	2.83E-04	2.11E-03
T292019	G068276	HAVCR2	5.87	-1.48	2.83E-04	2.11E-03
T196017	G045152		5.59	1.09	2.84E-04	2.11E-03
uc.109-	uc.109		4.92	-1.04	2.84E-04	2.11E-03
T355597	G083840		4.20	-1.33	2.85E-04	2.12E-03
T183862	G042229		4.91	-1.16	2.85E-04	2.12E-03
T110291	G026136		4.51	1.44	2.86E-04	2.12E-03
T191041	G043983		4.32	-1.06	2.86E-04	2.12E-03
T077344	G017917		4.59	1.05	2.86E-04	2.13E-03
ENST00000602773	RP11-264E20.2		7.60	1.05	2.87E-04	2.13E-03
NR_038327	TEKT4P2		16.57	-1.03	2.88E-04	2.13E-03
T350920	G082856	NSMCE2	5.26	-1.70	2.88E-04	2.14E-03
T024202	G005229		6.02	-1.01	2.88E-04	2.14E-03
T238611	G054791		4.25	-1.06	2.89E-04	2.14E-03
uc003igh.1	AK093416		9.57	-1.40	2.89E-04	2.14E-03
TCONS_00016530	XLOC_007264		4.46	-1.01	2.89E-04	2.14E-03
TCONS_00024348	XLOC_011670	CDR2	5.30	1.22	2.89E-04	2.14E-03
T003482	G000681		7.18	1.66	2.90E-04	2.14E-03
T043677	G010114		4.09	-1.52	2.90E-04	2.14E-03
ENST00000418297	RP5-905H7.8		5.41	1.10	2.91E-04	2.15E-03
T275246	G063979	TENM3	6.34	-1.89	2.92E-04	2.15E-03
ENST00000413645	AP000473.5		4.68	1.76	2.92E-04	2.15E-03
T342775	G080468		5.10	-1.02	2.92E-04	2.15E-03
T064390	G014818		5.14	1.49	2.92E-04	2.15E-03
T284978	G066483	RASGRF2	5.66	-1.18	2.94E-04	2.16E-03
ENST00000433873	AC005324.6	TBC1D26	8.19	1.22	2.94E-04	2.16E-03
TCONS_00004393	XLOC_002277		6.75	1.30	2.95E-04	2.17E-03
T244350	G056049	FHIT	5.80	-1.00	2.99E-04	2.19E-03
T377129	G089182		6.30	-1.92	3.01E-04	2.20E-03
ENST00000435315	AF127936.5		6.29	1.09	3.01E-04	2.20E-03
T188489	G043293		5.91	1.23	3.02E-04	2.20E-03
T097171	G022834		5.75	1.15	3.02E-04	2.21E-03
T218349	G050502	ADA	4.64	-1.27	3.04E-04	2.21E-03
GSE61474_TCONS_00072557	GSE61474_XLOC_013879		4.75	-1.47	3.04E-04	2.22E-03
TCONS_00006568	XLOC_003195		6.36	1.04	3.05E-04	2.22E-03

TCONS_00003851	XLOC_001659		4.73	1.57	3.06E-04	2.23E-03
ENST00000437881	RP11-218I7.2		5.16	1.12	3.09E-04	2.24E-03
T122189	G028842	HDDC3	5.85	1.22	3.09E-04	2.24E-03
AF086048	AF086048		4.44	-1.09	3.09E-04	2.24E-03
ENST00000561473	CTA-254O6.1		5.44	-2.82	3.11E-04	2.25E-03
ENST00000511875	RP11-535C7.1		4.72	1.75	3.11E-04	2.25E-03
ENST00000608492	RP11-702B10.1		9.93	-1.88	3.11E-04	2.25E-03
T002040	G000320		4.37	-1.00	3.13E-04	2.26E-03
T361022	G085289		5.42	-1.32	3.13E-04	2.26E-03
ENST00000539734	RERG-IT1	RERG	7.88	-1.70	3.15E-04	2.27E-03
T335846	G078771		7.70	-1.33	3.15E-04	2.27E-03
T239272	G055015	RARB	5.31	1.06	3.16E-04	2.28E-03
ENST00000439421	RP11-540N6.1		4.95	-1.54	3.17E-04	2.28E-03
T070553	G016323		4.54	-1.35	3.18E-04	2.28E-03
TCONS_00019665	XLOC_009473		6.97	-1.29	3.19E-04	2.29E-03
T011856	G002517		5.58	-2.02	3.19E-04	2.29E-03
T253961	G058498		4.61	-1.37	3.19E-04	2.29E-03
ENST00000429809	LINC01153		5.14	1.06	3.20E-04	2.29E-03
NR_109925	LOC101927797		3.92	-1.60	3.21E-04	2.30E-03
T051019	G011946		6.08	2.38	3.23E-04	2.31E-03
ENST00000410851	RN7SKP212		5.46	1.03	3.25E-04	2.32E-03
T233932	G053808		4.61	-1.08	3.27E-04	2.33E-03
ENST00000566892	RP11-1081M5.2		4.86	-1.04	3.27E-04	2.33E-03
T195789	G045105		5.53	1.66	3.28E-04	2.33E-03
T224084	G051739		4.54	1.10	3.31E-04	2.35E-03
T155290	G035912		5.37	1.10	3.31E-04	2.35E-03
TCONS_00024500	XLOC_011817		5.17	-1.40	3.31E-04	2.35E-03
T156382	G036084		4.83	-1.10	3.31E-04	2.35E-03
TCONS_00017432	XLOC_008014		7.29	1.11	3.33E-04	2.35E-03
T263649	G060748	KLHL5	7.73	-1.16	3.34E-04	2.36E-03
NR_110540	LINC01422		6.97	-1.13	3.34E-04	2.36E-03
T069865	G016166		6.43	-1.20	3.34E-04	2.36E-03
T275898	G064124	SORBS2	5.71	-1.15	3.36E-04	2.37E-03
T218234	G050473		4.23	1.72	3.36E-04	2.37E-03
ENST00000419440	AP004372.1	NTM	5.00	1.13	3.37E-04	2.37E-03
ENST00000568057	RP11-264B17.2	NFATC2IP	5.93	-1.28	3.37E-04	2.37E-03
T271506	G062956		4.12	-1.59	3.38E-04	2.38E-03
T042466	G009758		6.07	-1.20	3.39E-04	2.39E-03
TCONS_00025479	XLOC_012297		5.18	1.06	3.42E-04	2.40E-03
NR_047495	LINC00565		8.00	1.05	3.43E-04	2.40E-03
T096394	G022611		5.05	-1.09	3.44E-04	2.41E-03
TCONS_00010856	XLOC_004673		7.06	-1.63	3.46E-04	2.41E-03
T196644	G045337		6.86	1.47	3.49E-04	2.43E-03
uc.107+	uc.107		4.23	-1.92	3.50E-04	2.44E-03
ENST00000566457	CTD-3247F14.2		5.87	-2.05	3.50E-04	2.44E-03
T122277	G028862		4.36	-1.63	3.51E-04	2.44E-03
TCONS_00025553	XLOC_012379	EFNB3	6.40	-1.46	3.51E-04	2.44E-03
ENST00000602992	CTD-2227E11.1		6.66	-1.07	3.51E-04	2.44E-03
TCONS_00021887	XLOC_010485		5.50	-1.27	3.51E-04	2.44E-03
T298264	G069705		4.53	-1.07	3.53E-04	2.45E-03
ENST00000420395	RP5-1031D4.2		4.70	-1.23	3.53E-04	2.45E-03
ENST00000520041	CTC-558O2.2	SLIT3	5.39	-1.16	3.53E-04	2.45E-03
T136103	G031842		6.31	-1.76	3.54E-04	2.45E-03
T337451	G079127		6.32	-1.82	3.55E-04	2.45E-03
T274511	G063810	HMGB2	9.46	-1.21	3.57E-04	2.47E-03

TCONS_00015398	XLOC_006991		6.66	-1.72	3.58E-04	2.47E-03
T334375	G078412		4.58	1.40	3.60E-04	2.48E-03
T074260	G017059		6.91	1.10	3.60E-04	2.48E-03
T321703	G075352		5.16	1.94	3.61E-04	2.49E-03
T069835	G016159		4.74	1.71	3.61E-04	2.49E-03
TCONS_00028321	XLOC_013660		4.88	-1.58	3.62E-04	2.49E-03
T254932	G058756		6.25	-1.40	3.63E-04	2.49E-03
T277962	G064452		5.56	-1.81	3.63E-04	2.50E-03
GSE61474_TCONS_00085238	GSE61474_XLOC_015980		5.90	-1.35	3.65E-04	2.50E-03
T324265	G075905		4.35	-1.02	3.69E-04	2.52E-03
T107547	G025379	JDP2	7.23	1.02	3.69E-04	2.53E-03
TCONS_00027115	XLOC_013162		5.09	1.33	3.69E-04	2.53E-03
T255051	G058783		7.15	-1.11	3.69E-04	2.53E-03
NR_109809	TM4SF1-AS1	TM4SF1	6.02	-1.01	3.70E-04	2.53E-03
T315118	G073938		4.82	-1.23	3.72E-04	2.54E-03
T247780	G056980		6.01	1.16	3.72E-04	2.54E-03
ENST00000411055	RN7SKP68		5.97	-1.69	3.75E-04	2.55E-03
ENST00000566798	RP11-134D3.2		6.27	1.07	3.75E-04	2.55E-03
ENST00000606743	XXbac-BPG181B23.7		10.49	-1.43	3.77E-04	2.56E-03
T132212	G031013		6.54	1.62	3.82E-04	2.59E-03
uc001uol.3	BC048997		6.40	1.74	3.82E-04	2.59E-03
ENST00000415706	ARPP21-AS1	ARPP21	6.90	-1.81	3.83E-04	2.59E-03
T083594	G019406		6.13	-1.52	3.84E-04	2.60E-03
T117484	G027721		6.54	-1.33	3.84E-04	2.60E-03
ENST00000441666	AP000146.2		6.21	-1.26	3.86E-04	2.61E-03
T379787	G089932		4.48	1.92	3.87E-04	2.62E-03
TCONS_00006076	XLOC_002690	MAGI1	4.70	-1.05	3.88E-04	2.62E-03
T131121	G030699		5.69	-1.19	3.88E-04	2.62E-03
ENST00000424355	AC023672.2		4.23	-1.98	3.90E-04	2.63E-03
ENST00000418091	RP11-5P4.2		4.33	1.16	3.91E-04	2.64E-03
T002610	G000411		5.57	-1.88	3.93E-04	2.65E-03
ENST00000523242	CTB-43E15.1		7.20	-1.59	3.94E-04	2.65E-03
uc031qdd.1	LOC642414		4.22	2.05	3.95E-04	2.65E-03
ENST00000426697	AY269186.2		4.75	-1.40	3.96E-04	2.66E-03
TCONS_00001746	XLOC_001121		4.50	1.70	3.97E-04	2.67E-03
ENST00000609736	KB-226F1.2	DDTL	12.17	-1.06	3.97E-04	2.67E-03
T373414	G088091		4.70	1.47	3.98E-04	2.67E-03
TCONS_00014899	XLOC_006972		11.51	1.16	4.00E-04	2.68E-03
T350820	G082834	MTSS1	5.09	-1.17	4.01E-04	2.68E-03
ENST00000505825	CTC-459M5.2	EPB41L4A	4.69	1.92	4.02E-04	2.68E-03
ENST00000579097	RP11-161I6.2		5.13	1.28	4.04E-04	2.70E-03
ENST00000589101	CTD-2105E13.13	RPL28	8.14	-1.05	4.04E-04	2.70E-03
T044547	G010309		6.35	-1.82	4.06E-04	2.71E-03
ENST00000417910	AC007359.6		4.26	1.53	4.06E-04	2.71E-03
uc004cgm.2	BC101937	SOHLH1	6.06	-1.12	4.07E-04	2.71E-03
NR_126564	GS1-594A7.3	ACE2	4.78	1.31	4.07E-04	2.71E-03
T112438	G026537		5.42	1.36	4.08E-04	2.72E-03
ENST00000535893	AE000658.22	SALL2	5.15	1.52	4.11E-04	2.73E-03
TCONS_00018117	XLOC_008377		5.85	-1.60	4.13E-04	2.74E-03
T266293	G061566		4.71	-1.17	4.14E-04	2.75E-03
ENST00000579187	RP11-20B24.4	DHRS13	5.22	1.22	4.16E-04	2.76E-03
T152886	G035447		5.67	-1.94	4.18E-04	2.77E-03
T267792	G061979	SPARCL1	4.89	-1.11	4.18E-04	2.77E-03
ENST00000414967	AC062031.1		4.38	-1.46	4.18E-04	2.77E-03
ENST00000604156	RP11-188D8.1		8.41	-1.01	4.18E-04	2.77E-03

NR_002169	OR1F2P		5.17	-1.07	4.19E-04	2.77E-03
T360512	G085090		5.85	1.34	4.19E-04	2.77E-03
T012273	G002593	INADL	5.13	1.01	4.21E-04	2.78E-03
T022972	G004960		7.05	-1.56	4.21E-04	2.78E-03
T248187	G057065	CD200R1	5.10	-2.12	4.22E-04	2.79E-03
uc002vbn.1	BC028329		4.22	-1.20	4.25E-04	2.80E-03
ENST00000608672	RP11-63A2.2	C10orf107	5.34	-1.00	4.28E-04	2.82E-03
T150794	G034943		4.70	1.10	4.28E-04	2.82E-03
T375177	G088554	GNL3L	6.14	1.64	4.29E-04	2.82E-03
NR_028335	LOC284009		6.60	-1.16	4.31E-04	2.83E-03
GSE61474_TCONS_00196211	GSE61474_XLOC_035674		4.10	-1.88	4.32E-04	2.84E-03
T375199	G088558		5.58	-1.05	4.33E-04	2.84E-03
T191970	G044205		6.11	1.61	4.34E-04	2.85E-03
T161392	G037297		5.93	-1.27	4.35E-04	2.85E-03
NR_110757	LOC101927314		5.68	-1.31	4.38E-04	2.86E-03
T295909	G069156		7.33	-1.56	4.39E-04	2.87E-03
T183149	G042041	TPO	5.18	-1.79	4.41E-04	2.88E-03
T280579	G065234		4.95	1.21	4.42E-04	2.88E-03
T054264	G012518	OVCH2	4.17	-1.48	4.43E-04	2.89E-03
T133658	G031435		4.44	-1.54	4.43E-04	2.89E-03
NR_126337	LOC101927070		4.25	1.06	4.45E-04	2.90E-03
NR_046104	LOC642426		5.68	1.19	4.46E-04	2.90E-03
T136653	G032004		3.97	-2.16	4.46E-04	2.90E-03
T210069	G048603		6.12	1.02	4.48E-04	2.91E-03
NR_002728	KCNQ1OT1	KCNQ1	6.07	-1.38	4.48E-04	2.91E-03
T337789	G079197		5.97	-2.06	4.52E-04	2.93E-03
T368633	G087138		4.85	-1.20	4.53E-04	2.94E-03
GSE61474_TCONS_00232388	GSE61474_XLOC_042929		5.26	-1.08	4.54E-04	2.94E-03
AF052103	AF052103		9.63	-1.23	4.55E-04	2.94E-03
ENST00000606432	XXbac-BPG157A10.21		10.81	-1.50	4.55E-04	2.95E-03
T113623	G026816		6.30	-1.55	4.56E-04	2.95E-03
NR_002824	HERC2P2		10.68	-1.13	4.56E-04	2.95E-03
T035626	G008095		5.03	-2.48	4.57E-04	2.95E-03
TCONS_00008604	XLOC_004110		4.98	-1.04	4.58E-04	2.96E-03
T162087	G037472	ACAA2	4.99	-1.92	4.60E-04	2.97E-03
T207079	G047951	ATIC	5.95	1.01	4.60E-04	2.97E-03
T036689	G008310		5.49	1.49	4.63E-04	2.98E-03
TCONS_00020998	XLOC_010262		4.28	-1.15	4.68E-04	3.00E-03
TCONS_00014576	XLOC_006686		6.10	-1.03	4.69E-04	3.01E-03
T254936	G058756		4.36	-1.47	4.70E-04	3.01E-03
NR_003228	AFG3L1P	CENPBD1	9.63	-1.06	4.71E-04	3.02E-03
T291857	G068224		6.37	1.04	4.71E-04	3.02E-03
uc.365-	uc.365		4.36	-1.43	4.73E-04	3.03E-03
ENST00000558818	RP11-27M9.1		4.66	1.80	4.75E-04	3.04E-03
uc001kof.1	AX746617	MORN4	6.33	1.10	4.75E-04	3.04E-03
T113762	G026857		5.15	1.60	4.76E-04	3.04E-03
T298062	G069640		5.23	1.02	4.76E-04	3.04E-03
T298774	G069828		4.48	1.31	4.79E-04	3.06E-03
ENST00000547042	RP4-816N1.7	FKBP4	6.17	1.14	4.80E-04	3.06E-03
ENST00000531846	RP11-755E23.3		4.78	1.22	4.81E-04	3.07E-03
T322081	G075420		5.51	1.11	4.82E-04	3.07E-03
T157713	G036328		5.18	1.16	4.83E-04	3.07E-03
ENST00000594142	AC004447.2	SUGP2	8.38	1.55	4.84E-04	3.08E-03
ENST00000563397	RP11-525K10.1		4.82	-1.15	4.89E-04	3.10E-03
ENST00000527922	RP11-148O21.3	BLK	6.86	1.23	4.90E-04	3.10E-03

ENST00000428673	RP5-865N13.2		5.38	-1.34	4.90E-04	3.11E-03
ENST00000415226	AC079135.1	ASB18	5.29	-1.27	4.91E-04	3.11E-03
T223822	G051640		5.99	-1.25	4.92E-04	3.11E-03
ENST00000570952	CTD-2529O21.2	TBC1D16	6.27	1.09	4.93E-04	3.11E-03
TCONS_00001415	XLOC_000733		4.82	1.13	4.93E-04	3.11E-03
ENST00000566420	RP11-506E9.3		4.40	-1.10	4.93E-04	3.11E-03
T284769	G066430		4.11	1.14	4.94E-04	3.12E-03
ENST00000522743	KB-1184D12.1		6.23	-1.26	4.94E-04	3.12E-03
T339368	G079568	KIAA1456	3.72	-1.66	4.96E-04	3.13E-03
T348788	G082248		4.62	-1.17	4.98E-04	3.14E-03
T325915	G076335		4.66	1.44	5.02E-04	3.15E-03
T203895	G047114		5.60	-1.43	5.04E-04	3.17E-03
T092523	G021460		3.94	-1.06	5.08E-04	3.18E-03
T015056	G003293	HFM1	16.02	-1.42	5.09E-04	3.19E-03
T250809	G057652		5.29	1.22	5.12E-04	3.20E-03
NR_001279	CST13P		6.29	-1.07	5.13E-04	3.20E-03
T097291	G022863		4.48	1.64	5.16E-04	3.22E-03
T274250	G063729		5.24	-1.49	5.19E-04	3.23E-03
T191051	G043988		5.33	1.10	5.20E-04	3.24E-03
NR_110683	LOC101927683		4.10	-1.37	5.26E-04	3.26E-03
uc.102+	uc.102	OLA1	7.94	-1.09	5.26E-04	3.27E-03
uc.350-	uc.350	DACH1	4.67	-2.33	5.28E-04	3.28E-03
T324155	G075876		4.41	-1.55	5.29E-04	3.28E-03
ENST00000416310	RP11-14C22.6		5.14	1.21	5.29E-04	3.28E-03
NR_110825	LINC01482		6.08	-1.60	5.32E-04	3.29E-03
T224472	G051849		6.34	-1.21	5.32E-04	3.29E-03
NR_120538	TUB-AS1	TUB	5.04	-1.83	5.33E-04	3.30E-03
T200796	G046371		5.76	1.14	5.33E-04	3.30E-03
T161248	G037260		4.79	-1.59	5.34E-04	3.31E-03
ENST00000522898	RP11-379119.3		4.46	-1.15	5.35E-04	3.31E-03
ENST00000564401	RP11-48G14.2	TEX9	4.99	-1.12	5.37E-04	3.32E-03
T086282	G020027		5.49	-1.07	5.38E-04	3.32E-03
T282683	G065847		6.29	-1.57	5.39E-04	3.32E-03
T122830	G028976		4.45	-1.09	5.43E-04	3.34E-03
T351214	G082926		5.33	1.26	5.45E-04	3.35E-03
T191153	G044037		10.22	-1.03	5.48E-04	3.36E-03
ENST00000580349	RN7SL599P		4.45	1.41	5.51E-04	3.38E-03
NR_027074	LINC00928		6.03	-1.46	5.52E-04	3.38E-03
T332595	G077977		5.00	-1.79	5.52E-04	3.38E-03
T328867	G077123		6.86	-1.08	5.52E-04	3.38E-03
ENST00000513017	RP11-94C24.8	EPN3	6.33	-1.07	5.52E-04	3.38E-03
T145024	G033744	BLMH	5.44	-1.19	5.61E-04	3.42E-03
T380358	G090111		8.50	-1.17	5.61E-04	3.42E-03
NR_046438	MEIS1-AS3		7.11	-1.55	5.65E-04	3.44E-03
T039485	G009045		6.80	-1.43	5.67E-04	3.45E-03
T114228	G026963		7.97	-1.02	5.69E-04	3.46E-03
ENST00000556606	RP11-644F5.16		7.39	-1.28	5.73E-04	3.47E-03
T244299	G056041		4.00	1.51	5.74E-04	3.48E-03
NR_110629	LINC01440		4.81	-1.14	5.76E-04	3.49E-03
TCONS_00003588	XLOC_001372		3.67	1.02	5.78E-04	3.50E-03
T269929	G062523	CAMK2D	4.32	-1.46	5.79E-04	3.50E-03
T342401	G080371		5.70	-1.00	5.82E-04	3.52E-03
NR_027132	LINC00924		4.59	1.64	5.83E-04	3.52E-03
T005458	G001104		5.82	-1.64	5.84E-04	3.52E-03
ENST00000420356	AP000282.2	OLIG2	4.24	2.03	5.88E-04	3.54E-03

NR_109971	LINC01483		4.34	-1.04	5.88E-04	3.54E-03
AF339807	AF339807		8.74	-1.28	5.89E-04	3.55E-03
NR_038233	LINC00919		4.29	-1.30	5.90E-04	3.55E-03
ENST00000449492	RP11-25B7.1	NAV1	4.17	-1.24	5.91E-04	3.55E-03
T071967	G016587		4.99	-1.04	5.93E-04	3.57E-03
T187339	G042995		5.75	1.02	5.94E-04	3.57E-03
TCONS_00020595	XLOC_009912		7.07	1.05	5.96E-04	3.58E-03
T364350	G086114		4.21	-1.05	5.97E-04	3.59E-03
ENST00000456755	RP11-114M1.2		5.21	-2.19	5.98E-04	3.59E-03
TCONS_00024431	XLOC_011749		6.59	1.53	5.99E-04	3.59E-03
uc.191-	uc.191		6.74	-1.07	5.99E-04	3.59E-03
T224165	G051756		4.59	-1.93	5.99E-04	3.59E-03
TCONS_00022481	XLOC_010810		4.45	-1.53	6.01E-04	3.60E-03
T172525	G040061		5.72	-1.58	6.01E-04	3.60E-03
T162075	G037467		7.60	-1.45	6.01E-04	3.60E-03
NR_039977	LINC01093		6.08	-2.23	6.04E-04	3.61E-03
T104592	G024666		4.84	1.76	6.06E-04	3.62E-03
T250932	G057691		5.27	-1.19	6.07E-04	3.63E-03
T361964	G085505		4.72	-1.36	6.09E-04	3.63E-03
T153304	G035532		5.74	1.14	6.10E-04	3.64E-03
T108177	G025568		4.19	1.08	6.11E-04	3.64E-03
ENST00000562782	CTD-2555A7.3	ACSF3	8.63	-1.36	6.11E-04	3.64E-03
NR_003512	INS-IGF2	INS	5.95	1.04	6.11E-04	3.64E-03
ENST00000440556	RP11-513G11.2		6.71	-1.42	6.11E-04	3.64E-03
uc003wpf.1	AK128400	ERICH1	5.53	-1.08	6.13E-04	3.65E-03
ENST00000554305	RP11-1152H15.1		5.88	1.35	6.14E-04	3.65E-03
TCONS_00022170	XLOC_010374		5.76	1.19	6.14E-04	3.65E-03
T338640	G079417		7.26	-1.31	6.15E-04	3.65E-03
ENST00000454205	ITCH-AS1	ITCH	6.66	1.12	6.19E-04	3.68E-03
T026748	G005922		4.62	-1.28	6.20E-04	3.68E-03
ENST00000440807	RP11-162D16.2		5.41	-1.36	6.20E-04	3.68E-03
T376410	G088906		7.74	-1.61	6.23E-04	3.69E-03
T129476	G030346		5.17	-1.66	6.24E-04	3.70E-03
ENST00000444701	RP11-445L6.3	43435	4.24	-1.16	6.24E-04	3.70E-03
T356187	G083994		5.78	1.12	6.24E-04	3.70E-03
ENST00000522914	RP11-758M4.4	PI15	6.11	-1.00	6.36E-04	3.75E-03
T279837	G064991	C5orf17	4.79	1.09	6.36E-04	3.75E-03
T003246	G000592		5.50	-1.10	6.38E-04	3.76E-03
ENST00000478294	RP13-463N16.6		8.22	1.12	6.41E-04	3.77E-03
T164598	G038226		4.95	-1.14	6.43E-04	3.78E-03
T216565	G050141		5.24	-1.01	6.43E-04	3.78E-03
T112326	G026523		6.17	-1.26	6.45E-04	3.78E-03
T361649	G085423		4.76	-1.27	6.45E-04	3.79E-03
T277972	G064458		5.22	1.31	6.46E-04	3.79E-03
uc.65-	uc.65		4.69	1.29	6.49E-04	3.80E-03
ENST00000586478	RP11-687F6.1		6.16	-1.11	6.49E-04	3.80E-03
T344191	G080931	LYN	7.92	-1.69	6.49E-04	3.80E-03
T230232	G053013		5.09	1.05	6.56E-04	3.83E-03
ENST00000577709	CTC-304I17.2	ASIC2	7.01	-1.51	6.56E-04	3.83E-03
T319460	G074824		4.67	1.01	6.56E-04	3.83E-03
NR_109774	LOC100506188		5.52	1.16	6.58E-04	3.84E-03
T158356	G036506	SOGA2	4.52	-1.04	6.66E-04	3.87E-03
T294865	G068956	ADAMTS2	5.87	-1.30	6.66E-04	3.87E-03
uc001ldx.3	BC042590	FAM45A	10.14	-1.15	6.71E-04	3.89E-03
T088846	G020586		6.13	-1.54	6.71E-04	3.89E-03

T048832	G011402		5.41	-2.25	6.72E-04	3.90E-03
ENST00000435828	RP1-158P9.1		7.07	-1.16	6.75E-04	3.91E-03
ENST00000380145	RP11-812E19.3		5.87	-1.24	6.76E-04	3.92E-03
ENST00000522731	CTB-43E15.4		5.42	-1.04	6.78E-04	3.92E-03
ENST00000476308	PRICKLE2-AS1	PRICKLE2	4.36	-1.04	6.78E-04	3.92E-03
ENST00000417800	RP11-240M16.1		7.58	-1.37	6.80E-04	3.93E-03
ENST00000436714	AC002386.1		7.93	-1.22	6.80E-04	3.93E-03
T015908	G003493		3.93	-1.64	6.82E-04	3.94E-03
T309516	G072504		6.27	-1.17	6.85E-04	3.95E-03
uc003tdv.1	AK025321		6.60	1.12	6.85E-04	3.95E-03
ENST00000569913	RP11-299H22.7		5.04	-1.46	6.88E-04	3.96E-03
T342881	G080509		7.87	-1.45	6.90E-04	3.97E-03
TCONS_00023478	XLOC_011326		4.59	-1.17	6.91E-04	3.98E-03
T107978	G025493	NRXN3	4.25	-2.18	6.92E-04	3.98E-03
T314945	G073898		5.24	1.40	6.94E-04	3.99E-03
TCONS_00021825	XLOC_010427		4.96	2.42	6.94E-04	3.99E-03
T067523	G015669	DRD2	4.12	1.74	6.95E-04	3.99E-03
ENST00000432653	RP4-784A16.1	LRP8	4.97	-1.05	6.96E-04	4.00E-03
ENST00000609911	RP11-702B10.2		6.30	-1.41	6.96E-04	4.00E-03
T195247	G044967	AFF3	5.08	-2.33	6.97E-04	4.00E-03
T057270	G013252		4.31	-1.00	7.05E-04	4.03E-03
ENST00000430897	AC099344.2		5.16	-1.36	7.12E-04	4.06E-03
TCONS_00006666	XLOC_003262		5.78	2.08	7.16E-04	4.08E-03
T261075	G060046		5.14	2.21	7.17E-04	4.08E-03
T128007	G029944		4.38	-1.41	7.18E-04	4.08E-03
T325322	G076217		6.88	1.46	7.18E-04	4.08E-03
T163481	G037883		5.12	-1.27	7.20E-04	4.10E-03
T351560	G082975		6.22	-1.91	7.23E-04	4.11E-03
ENST00000509641	RP11-685F15.1		7.57	-1.20	7.32E-04	4.14E-03
T298432	G069746		5.40	1.60	7.34E-04	4.16E-03
NR_120346	THSD4-AS2	THSD4	8.66	-1.61	7.38E-04	4.17E-03
T026299	G005791	DHX9	7.15	-1.57	7.43E-04	4.19E-03
T307057	G071767		4.87	1.24	7.47E-04	4.21E-03
T109739	G025975		4.46	1.11	7.50E-04	4.23E-03
T104896	G024772		3.99	-1.53	7.53E-04	4.24E-03
T065239	G015025		4.84	-1.95	7.54E-04	4.24E-03
T270013	G062547		4.32	1.13	7.58E-04	4.25E-03
TCONS_00017762	XLOC_008343		6.77	-1.39	7.58E-04	4.26E-03
ENST00000488348	RP11-735B13.2		4.32	1.59	7.63E-04	4.27E-03
T309843	G072591		5.46	1.33	7.64E-04	4.27E-03
T349565	G082484		5.06	-1.04	7.70E-04	4.30E-03
T298428	G069743		4.45	1.72	7.71E-04	4.31E-03
NR_046525	CLYBL-AS1	CLYBL	4.84	1.99	7.71E-04	4.31E-03
ENST00000569938	RP11-467I17.1		4.53	1.32	7.81E-04	4.35E-03
T071423	G016501		5.97	-1.16	7.82E-04	4.35E-03
ENST00000519337	KB-1254G8.1	AZIN1	4.03	-2.28	7.84E-04	4.36E-03
TCONS_00008108	XLOC_003574		5.43	1.01	7.89E-04	4.38E-03
T246371	G056650		5.35	-1.08	7.90E-04	4.38E-03
T153766	G035633	LOC100134391	4.88	1.46	7.91E-04	4.38E-03
T189253	G043505		5.20	-1.71	7.92E-04	4.38E-03
uc003vhq.1	BD495725	TES	8.07	1.07	7.93E-04	4.39E-03
ENST00000466740	AC108004.3	C17orf97	5.34	1.40	7.95E-04	4.40E-03
T200852	G046390		3.72	-1.28	7.97E-04	4.40E-03
NR_110390	LOC101928201		4.59	-1.46	7.98E-04	4.41E-03
T261295	G060091		3.88	-1.40	8.01E-04	4.42E-03

T287407	G067110		4.64	1.10	8.08E-04	4.45E-03
T271338	G062899		5.41	-1.64	8.10E-04	4.46E-03
NR_109949	HNF4A-AS1	HNF4A	4.46	-1.26	8.11E-04	4.46E-03
T057313	G013274		6.94	1.19	8.16E-04	4.48E-03
T264136	G060895		4.43	1.31	8.19E-04	4.50E-03
T310386	G072742		6.53	1.05	8.21E-04	4.50E-03
T141309	G032906		4.81	-1.08	8.25E-04	4.52E-03
ENST00000552780	RP11-2H8.2		7.16	-1.21	8.27E-04	4.53E-03
T076118	G017550		7.41	-1.06	8.28E-04	4.53E-03
T014823	G003248		5.42	1.21	8.28E-04	4.53E-03
T055340	G012759		6.59	-1.62	8.29E-04	4.54E-03
T137543	G032237		5.53	-1.14	8.30E-04	4.54E-03
T220383	G050978		6.17	-1.34	8.31E-04	4.54E-03
ENST00000610193	RP11-180C16.1	MKLN1	6.51	1.28	8.33E-04	4.55E-03
T376562	G088966		5.60	1.28	8.35E-04	4.56E-03
T367793	G086925		14.19	-1.19	8.36E-04	4.56E-03
T305188	G071223		6.05	-1.26	8.38E-04	4.57E-03
NR_002816	MRPS31P5		5.88	-1.05	8.38E-04	4.57E-03
TCONS_00010050	XLOC_004495		6.73	-1.25	8.41E-04	4.58E-03
TCONS_00022061	XLOC_010666		4.54	-1.18	8.43E-04	4.59E-03
NR_120633	EDRF1-AS1	EDRF1	5.12	1.18	8.47E-04	4.61E-03
T151031	G035048		4.35	1.09	8.51E-04	4.62E-03
T257033	G059254		4.69	-1.36	8.54E-04	4.63E-03
ENST00000421943	RP11-426L16.3	MOV10	12.68	-1.12	8.54E-04	4.63E-03
ENST00000416641	AP000432.2		5.12	-1.40	8.56E-04	4.64E-03
T018494	G004163		5.07	-1.21	8.56E-04	4.64E-03
T003412	G000668		4.78	1.00	8.56E-04	4.64E-03
T026646	G005890		3.40	1.85	8.58E-04	4.65E-03
T321721	G075353		4.64	-1.39	8.59E-04	4.65E-03
ENST00000508845	CTC-359M8.3		5.60	1.05	8.65E-04	4.67E-03
NR_027099	LINC00486		4.01	1.86	8.69E-04	4.69E-03
NR_024013	FKSG29	UBAC2	5.94	-1.70	8.75E-04	4.72E-03
T287468	G067130		6.05	1.20	8.76E-04	4.72E-03
NR_038333	LOC100505658	DIAPH1	6.76	-1.17	8.77E-04	4.72E-03
ENST00000584139	CTC-297N7.10	SCO1	4.98	-1.76	8.81E-04	4.74E-03
ENST00000452097	AC012314.8	PRPF31	6.44	-1.27	8.94E-04	4.79E-03
T278053	G064473		7.17	-1.29	8.96E-04	4.80E-03
T280246	G065127		6.67	-1.10	9.04E-04	4.83E-03
uc001qwb.1	BX647938		12.05	-1.05	9.06E-04	4.84E-03
T048292	G011241		4.50	-1.42	9.11E-04	4.86E-03
T234448	G053939		5.65	-1.68	9.14E-04	4.87E-03
T370983	G087484		4.79	-1.11	9.18E-04	4.89E-03
uc.313-	uc.313	TIAL1	9.73	-1.02	9.18E-04	4.89E-03
T087146	G020238		5.60	-1.34	9.20E-04	4.89E-03
NR_122072	LINC01567		4.68	1.16	9.21E-04	4.90E-03
T160835	G037158		7.87	-1.14	9.22E-04	4.90E-03
T157623	G036318		5.97	-1.60	9.25E-04	4.91E-03
ENST00000420865	RP11-309M23.1		5.31	1.25	9.25E-04	4.91E-03
TCONS_00016461	XLOC_007827		5.43	-1.11	9.26E-04	4.92E-03
ENST00000517634	CTC-248O19.1	CYFIP2	5.91	1.17	9.32E-04	4.94E-03
T368424	G087080		5.52	-1.77	9.32E-04	4.94E-03
ENST00000591103	RP11-98C1.2	CCDC93	4.63	-1.11	9.33E-04	4.94E-03
ENST00000424422	RP11-324O2.6	ACSL5	6.72	-1.04	9.33E-04	4.94E-03
NR_120516	LINC01445		6.95	-1.59	9.36E-04	4.95E-03
T266874	G061754		5.64	-1.64	9.37E-04	4.96E-03

T094678	G022029	RNASEH2B	6.60	-1.19	9.42E-04	4.97E-03
T238998	G054899	SGOL1	10.48	-1.04	9.44E-04	4.98E-03
T342717	G080450		5.62	-2.10	9.47E-04	5.00E-03
T229075	G052780		7.72	-1.23	9.54E-04	5.02E-03
ENST00000571340	RP11-44F14.8		4.81	-1.25	9.64E-04	5.06E-03
ENST00000462717	RP11-245J9.4	PSMD6	9.85	-1.01	9.64E-04	5.07E-03
ENST00000560337	RP11-272D12.2	NEO1	4.51	-1.16	9.66E-04	5.07E-03
T226478	G052307		4.78	-1.19	9.67E-04	5.08E-03
NR_046114	FLJ46284		5.19	-1.18	9.68E-04	5.08E-03
T122898	G028989		4.77	-1.05	9.70E-04	5.09E-03
T079788	G018417		8.19	-1.60	9.73E-04	5.10E-03
GSE61474_TCONS_00245124	GSE61474_XLOC_045153		4.84	-1.95	9.75E-04	5.11E-03
uc002ywy.3	AK027145	KCNJ15	5.68	1.03	9.77E-04	5.11E-03
T206114	G047691		5.74	1.18	9.86E-04	5.15E-03
T181902	G041837		6.66	-1.05	9.92E-04	5.18E-03
T148546	G034483	UBTF	11.44	-1.75	9.93E-04	5.18E-03
ENST00000521965	MIR4454		6.87	-1.09	1.01E-03	5.23E-03
NR_033947	LIMD1-AS1	LIMD1	4.56	1.45	1.01E-03	5.25E-03
ENST00000448680	RP4-666F24.3		5.10	-1.09	1.01E-03	5.25E-03
T054804	G012619		6.69	-1.22	1.02E-03	5.27E-03
TCONS_00019804	XLOC_009603		5.07	-1.15	1.02E-03	5.30E-03
ENST00000448887	FREM2-AS1	FREM2	3.60	-1.51	1.03E-03	5.31E-03
T118677	G028032		7.67	1.00	1.03E-03	5.32E-03
T136619	G032000	MAF	4.91	-1.43	1.03E-03	5.32E-03
T269338	G062395		6.24	1.36	1.03E-03	5.35E-03
NR_045387	LOC100507472	PCSK6	5.88	-1.25	1.04E-03	5.36E-03
ENST00000452471	AC005009.2	GRM3	5.25	1.39	1.04E-03	5.38E-03
ENST00000577354	RP11-449D8.5		9.25	-1.36	1.04E-03	5.38E-03
ENST00000446516	CTC-384G19.1		4.66	1.66	1.05E-03	5.41E-03
T180060	G041478		4.85	1.41	1.05E-03	5.42E-03
ENST00000552378	RP11-316A16.1		6.84	-2.64	1.05E-03	5.42E-03
ENST00000423942	RP11-417B4.2	DENND1A	4.27	-2.41	1.06E-03	5.43E-03
GSE61474_TCONS_00123942	GSE61474_XLOC_023688		4.34	-1.15	1.06E-03	5.44E-03
TCONS_I2_00020106	XLOC_I2_010161		5.21	1.02	1.07E-03	5.47E-03
ENST00000514863	RP11-669M16.1		5.01	1.27	1.08E-03	5.51E-03
T191202	G044046	AAK1	4.72	1.04	1.08E-03	5.52E-03
ENST00000561915	RP11-95H11.1		5.39	-1.21	1.09E-03	5.53E-03
T153730	G035619	CPSF4L	5.23	-1.13	1.09E-03	5.56E-03
uc.196+	uc.196		5.43	-1.65	1.09E-03	5.56E-03
NR_103449	LINC01544		5.98	-1.06	1.10E-03	5.58E-03
ENST00000569655	RP11-143K11.1		7.13	-1.04	1.10E-03	5.59E-03
T271477	G062948		6.20	-1.23	1.11E-03	5.60E-03
ENST00000529264	RP11-445F12.1	LHX1	13.73	-1.96	1.12E-03	5.64E-03
ENST00000456469	RP11-763B22.6		5.80	1.12	1.12E-03	5.65E-03
T064201	G014780		5.12	-1.18	1.13E-03	5.68E-03
ENST00000558702	RP11-253M7.4		10.17	-1.09	1.13E-03	5.70E-03
ENST00000449362	AC114814.3		5.43	1.40	1.13E-03	5.70E-03
T196157	G045183		4.74	-1.31	1.14E-03	5.72E-03
ENST00000562822	RP11-355E10.1		5.60	-1.08	1.14E-03	5.73E-03
T106396	G025130		5.32	1.49	1.14E-03	5.73E-03
ENST00000563087	AC137932.5	ANKRD11	5.22	-1.11	1.14E-03	5.73E-03
T188185	G043226		5.50	-1.09	1.14E-03	5.74E-03
T362188	G085554		5.66	-1.01	1.15E-03	5.77E-03
T256559	G059137	ADIPOQ	5.60	-1.13	1.16E-03	5.78E-03
ENST00000564211	RP11-37C7.3	FSIP1	9.64	-1.13	1.16E-03	5.78E-03

TCONS_00015179	XLOC_007234		4.58	-1.29	1.16E-03	5.80E-03
ENST00000539299	AC084018.1	RHOF	14.70	-1.08	1.17E-03	5.81E-03
ENST00000553679	RP11-26L16.1		5.45	-1.55	1.17E-03	5.83E-03
T074922	G017254		4.00	1.77	1.17E-03	5.83E-03
T281395	G065464		5.59	1.13	1.18E-03	5.85E-03
GSE61474_TCONS_00200405	GSE61474_XLOC_036646		5.04	-1.23	1.18E-03	5.85E-03
TCONS_00019532	XLOC_009327		5.33	-1.55	1.18E-03	5.86E-03
TCONS_00022566	XLOC_010885		5.83	1.10	1.18E-03	5.86E-03
T273908	G063614		4.05	1.61	1.18E-03	5.86E-03
ENST00000583691	RP11-856M7.6		7.72	-1.17	1.19E-03	5.90E-03
T061250	G014177		8.55	-1.17	1.19E-03	5.91E-03
NR_125982	LOC101929541		5.30	1.68	1.19E-03	5.91E-03
T113428	G026774		4.72	-1.33	1.20E-03	5.92E-03
T033947	G007714		4.73	1.06	1.20E-03	5.93E-03
NR_026769	PPBPP2		4.34	-1.14	1.20E-03	5.93E-03
T330879	G077493		4.09	1.91	1.20E-03	5.93E-03
uc001hnr.1	AK094916	BROX	5.21	-1.42	1.20E-03	5.93E-03
T163674	G037965		4.46	1.19	1.20E-03	5.93E-03
T055256	G012742		4.10	-1.41	1.21E-03	5.95E-03
T275962	G064142	FAM149A	6.87	-1.48	1.21E-03	5.96E-03
ENST00000608095	RP11-260M2.1	KANSL1L	12.00	-1.07	1.21E-03	5.97E-03
T309061	G072367		5.39	-1.75	1.22E-03	5.99E-03
T190890	G043951	MEIS1	4.28	1.21	1.22E-03	5.99E-03
T308394	G072172		3.77	1.47	1.22E-03	6.01E-03
ENST00000552718	RP11-497G19.2		5.47	1.12	1.23E-03	6.03E-03
T113754	G026854	OTUD7A	7.37	-1.24	1.23E-03	6.03E-03
T245823	G056433		4.73	-1.82	1.23E-03	6.04E-03
ENST00000523602	RP11-142A23.1		4.92	1.49	1.23E-03	6.04E-03
T008148	G001747		10.61	-3.73	1.23E-03	6.05E-03
T224083	G051738		4.77	1.38	1.23E-03	6.05E-03
T087161	G020248		7.24	-1.22	1.24E-03	6.07E-03
ENST00000591836	AC006116.24	ZNF582	4.14	-1.34	1.24E-03	6.07E-03
T344568	G081033		7.23	-2.01	1.25E-03	6.09E-03
ENST00000415159	AC007179.1		4.98	1.19	1.25E-03	6.10E-03
ENST00000414581	RP11-168C9.1		5.97	2.05	1.25E-03	6.10E-03
T009740	G002072	DMAP1	5.40	1.57	1.26E-03	6.13E-03
NR_120399	ENOX1-AS2	ENOX1	4.50	1.26	1.26E-03	6.13E-03
T024278	G005271		4.38	-1.70	1.26E-03	6.14E-03
ENST00000604716	RP5-1092A3.4	ATPIF1	10.59	-2.13	1.27E-03	6.16E-03
ENST00000534517	RP11-802E16.3	CHKA	10.50	-1.03	1.27E-03	6.17E-03
T034620	G007872		4.77	-1.12	1.27E-03	6.17E-03
T074939	G017262		6.62	-1.45	1.27E-03	6.19E-03
ENST00000458316	AL035610.1		5.31	1.07	1.27E-03	6.19E-03
T312793	G073312		3.92	-1.75	1.28E-03	6.20E-03
T114309	G026993		4.81	1.09	1.28E-03	6.21E-03
T350406	G082713		5.12	-1.23	1.29E-03	6.22E-03
T301615	G070422		6.42	-1.43	1.29E-03	6.24E-03
T037819	G008598	VIM	5.78	1.14	1.29E-03	6.24E-03
TCONS_00022931	XLOC_010774		7.16	-1.25	1.30E-03	6.26E-03
NR_038944	LINC01310		4.08	-1.16	1.30E-03	6.28E-03
uc.355-	uc.355		4.13	1.44	1.32E-03	6.36E-03
TCONS_00003991	XLOC_001816		4.40	1.52	1.33E-03	6.37E-03
T323731	G075760		4.59	-1.13	1.33E-03	6.39E-03
T278282	G064551		5.20	1.72	1.33E-03	6.39E-03
T350782	G082825	RNF139	10.80	-1.30	1.33E-03	6.40E-03

T275177	G063959		4.71	1.73	1.34E-03	6.42E-03
T057366	G013286		5.44	-1.19	1.35E-03	6.45E-03
T205503	G047536	SATB2	5.54	-1.54	1.35E-03	6.46E-03
NR_120539	LOC101928008	SBF2	6.22	-1.29	1.36E-03	6.49E-03
T172905	G040176		5.56	-1.54	1.37E-03	6.52E-03
GSE61474_TCONS_00131478	GSE61474_XLOC_025017		10.17	-1.06	1.38E-03	6.55E-03
T291866	G068230		5.54	-1.48	1.38E-03	6.56E-03
NR_051986	DDX11L5	WASH1	6.46	-1.39	1.39E-03	6.60E-03
T266274	G061561	SLC4A4	8.11	-1.06	1.40E-03	6.62E-03
ENST00000419596	RP11-393I23.4	DAB1	4.11	-1.12	1.40E-03	6.62E-03
T278443	G064605		7.23	1.03	1.40E-03	6.64E-03
TCONS_00024472	XLOC_011793		4.37	1.00	1.40E-03	6.65E-03
T294600	G068902		5.77	-1.01	1.41E-03	6.65E-03
NR_033311	CSN1S2BP		4.78	-2.69	1.41E-03	6.66E-03
T274242	G063727	SH3RF1	6.07	-1.52	1.42E-03	6.68E-03
ENST00000455038	RP11-335E6.2		4.24	1.46	1.42E-03	6.68E-03
ENST00000428160	AC113331.9		5.53	1.01	1.42E-03	6.69E-03
T282629	G065828		7.64	-1.51	1.42E-03	6.70E-03
T321955	G075391		5.98	-2.10	1.43E-03	6.74E-03
T349761	G082545		4.83	-1.23	1.44E-03	6.76E-03
T220558	G051032		4.68	-1.61	1.44E-03	6.78E-03
T108240	G025584		8.23	-1.17	1.45E-03	6.79E-03
T215171	G049780		4.37	-1.14	1.45E-03	6.79E-03
T098497	G023250		4.23	-1.53	1.46E-03	6.83E-03
T197803	G045623		4.97	1.26	1.46E-03	6.85E-03
AK024525	AK024525		4.02	1.76	1.47E-03	6.86E-03
ENST00000509924	CTD-2016O11.1		6.41	-1.39	1.47E-03	6.86E-03
T033997	G007727		4.16	-1.74	1.47E-03	6.86E-03
T035885	G008169		4.96	-1.29	1.47E-03	6.87E-03
T331328	G077630		3.97	-1.10	1.47E-03	6.87E-03
ENST00000505784	RP11-417J1.1		6.15	-1.35	1.49E-03	6.92E-03
ENST00000415726	RP11-336K24.5	ARHGEF2	7.46	-1.10	1.49E-03	6.93E-03
ENST00000507296	RP11-364P22.2		7.23	1.03	1.49E-03	6.94E-03
T286612	G066858		5.60	-1.66	1.50E-03	6.96E-03
T233319	G053676		6.49	-1.33	1.50E-03	6.97E-03
T204195	G047207		5.90	-1.29	1.51E-03	7.01E-03
T231477	G053262		4.34	-1.04	1.53E-03	7.08E-03
ENST00000525429	RP11-687M24.4		4.65	-2.01	1.53E-03	7.08E-03
T334449	G078440		5.24	-1.09	1.54E-03	7.10E-03
T264867	G061140	KIT	6.44	1.18	1.54E-03	7.10E-03
T099200	G023430	LINC00346	6.68	-1.47	1.54E-03	7.10E-03
T312149	G073161		5.31	-1.88	1.54E-03	7.12E-03
T373482	G088109		4.65	-1.24	1.54E-03	7.12E-03
ENST00000419103	AC007285.6	SCRN1	6.09	1.38	1.55E-03	7.14E-03
T239538	G055091		4.42	-1.06	1.55E-03	7.15E-03
T077403	G017928		8.36	-1.02	1.56E-03	7.16E-03
uc.236+	uc.236		7.10	-2.15	1.56E-03	7.18E-03
T085669	G019864		6.91	-1.02	1.56E-03	7.18E-03
T185216	G042522		7.75	-1.47	1.57E-03	7.19E-03
T292133	G068314		4.39	-1.61	1.57E-03	7.22E-03
TCONS_00003914	XLOC_001719		4.00	1.29	1.57E-03	7.22E-03
GSE61474_TCONS_00334346	GSE61474_XLOC_064846		8.09	-1.10	1.58E-03	7.24E-03
NR_033376	LINC00222		6.33	-1.41	1.58E-03	7.25E-03
T213766	G049390		5.66	-1.35	1.58E-03	7.26E-03
T084599	G019632		4.61	1.14	1.59E-03	7.27E-03

ENST00000454492	RP11-264E18.1		4.35	-1.16	1.59E-03	7.27E-03
TCONS_00023545	XLOC_011378		6.03	1.30	1.60E-03	7.30E-03
T266860	G061747		4.22	-1.45	1.60E-03	7.31E-03
T207351	G048002	IGFBP5	4.51	-1.34	1.60E-03	7.32E-03
T234216	G053877	XPNPEP3	4.84	1.30	1.60E-03	7.33E-03
T096252	G022574		4.99	-1.14	1.61E-03	7.34E-03
NR_120512	SEPT7-AS1	43350	5.42	-1.10	1.61E-03	7.35E-03
T072163	G016632		4.66	1.39	1.63E-03	7.41E-03
T258391	G059510		5.27	1.73	1.64E-03	7.44E-03
T211878	G048957		5.21	1.54	1.64E-03	7.46E-03
T264880	G061144		4.56	1.49	1.64E-03	7.46E-03
T137346	G032187		6.04	-1.15	1.64E-03	7.47E-03
T129162	G030228		6.20	-1.59	1.65E-03	7.49E-03
ENST00000425110	AC104809.2	AC104809.3	10.30	-2.18	1.65E-03	7.50E-03
ENST00000488818	AC000370.2		4.31	1.01	1.65E-03	7.50E-03
ENST00000440674	RP11-358M14.2	GLIS3	6.16	1.00	1.66E-03	7.51E-03
ENST00000552201	RP11-767I20.1	RP11-362K2.2	5.82	-1.91	1.66E-03	7.52E-03
ENST00000545912	RP11-644L4.1		4.92	1.01	1.66E-03	7.53E-03
ENST00000512051	RP11-701P16.1	ACSL1	5.51	-1.19	1.66E-03	7.53E-03
ENST00000557025	RP11-100M12.1	GABRG3	6.17	-1.03	1.67E-03	7.57E-03
T094117	G021867		5.92	-1.97	1.68E-03	7.58E-03
T290720	G067956		5.92	1.08	1.68E-03	7.60E-03
T213208	G049234		6.33	-1.38	1.69E-03	7.62E-03
ENST00000512500	RP11-517I3.1	GRAMD3	6.24	1.34	1.70E-03	7.65E-03
T286489	G066802		4.35	1.13	1.70E-03	7.66E-03
T001869	G000267		4.28	-1.42	1.71E-03	7.69E-03
T285012	G066491		4.86	1.08	1.71E-03	7.69E-03
NR_108048	RNF139-AS1	RNF139	9.59	-1.07	1.72E-03	7.71E-03
ENST00000545276	RP11-357K6.1		4.03	-1.22	1.73E-03	7.74E-03
T295456	G069079		5.88	-1.28	1.73E-03	7.74E-03
T263388	G060692		3.68	-1.24	1.73E-03	7.74E-03
T286722	G066885		7.83	-1.02	1.73E-03	7.74E-03
T053000	G012279		3.88	-1.40	1.74E-03	7.78E-03
T350930	G082864		4.71	1.13	1.75E-03	7.81E-03
T182947	G042013		3.82	-1.57	1.75E-03	7.82E-03
T006165	G001268	DHDDS	7.08	-1.29	1.75E-03	7.82E-03
T379847	G089971		6.99	1.15	1.76E-03	7.85E-03
ENST00000428263	TAB3-AS1	TAB3	4.66	-1.28	1.76E-03	7.86E-03
T286118	G066727	KIAA0825	9.44	-1.33	1.76E-03	7.86E-03
T286856	G066924		4.21	1.29	1.77E-03	7.90E-03
ENST00000597169	CTD-2521M24.5		7.16	-1.34	1.78E-03	7.93E-03
T142655	G033242		5.62	1.74	1.79E-03	7.95E-03
T199175	G045953		4.75	-1.40	1.79E-03	7.96E-03
T027406	G006138		5.52	-1.85	1.80E-03	7.97E-03
ENST00000420825	RP1-251M9.2		5.82	-1.41	1.82E-03	8.03E-03
T267798	G061982		6.17	-1.20	1.86E-03	8.18E-03
ENST00000604650	RP11-435O5.4	PTCH1	10.35	-1.01	1.87E-03	8.20E-03
T287241	G067045		5.63	-1.66	1.87E-03	8.20E-03
ENST00000454086	RP11-47J17.2	TEAD1	5.15	-2.04	1.87E-03	8.22E-03
T246711	G056746		5.03	-1.37	1.87E-03	8.22E-03
T032981	G007483		7.04	2.69	1.89E-03	8.27E-03
NR_033710	TP73-AS1	TP73	5.21	-2.06	1.90E-03	8.32E-03
T137499	G032225		6.10	-1.15	1.91E-03	8.32E-03
NR_026542	B3GALT5-AS1	C21orf88	7.74	-1.21	1.91E-03	8.33E-03
ENST00000446322	RP1-105O18.1		4.14	1.20	1.91E-03	8.35E-03

T257717	G059386		4.29	-1.24	1.92E-03	8.38E-03
ENST00000260742	RP11-107C16.2		5.54	-1.44	1.93E-03	8.40E-03
ENST00000426386	RP11-83A16.1	SMYD3	3.97	-1.63	1.94E-03	8.44E-03
ENST00000455153	XXyac-YR29IB3.1		5.25	-1.34	1.94E-03	8.44E-03
T083459	G019370		7.48	-1.23	1.97E-03	8.52E-03
ENST00000422042	AC009276.4		6.84	1.41	1.97E-03	8.55E-03
uc.371+	uc.371	RALGAPA1	5.12	-1.77	1.98E-03	8.57E-03
NR_126386	NCOA7-AS1	NCOA7	4.62	2.00	2.00E-03	8.63E-03
T379695	G089903		6.18	-1.16	2.00E-03	8.63E-03
T035311	G008023		5.61	-1.32	2.02E-03	8.70E-03
T074211	G017049	GPR19	4.35	-1.45	2.02E-03	8.71E-03
GSE61474_TCONS_00303672	GSE61474_XLOC_057821		7.70	-1.75	2.03E-03	8.72E-03
T066568	G015410		4.67	-1.03	2.03E-03	8.73E-03
uc.276+	uc.276	PBX3	4.60	1.19	2.04E-03	8.77E-03
T048173	G011193		6.62	-1.24	2.06E-03	8.82E-03
T025610	G005626		4.92	1.11	2.06E-03	8.84E-03
ENST00000562573	RP11-1007O24.3	TMEM202	7.14	-1.22	2.07E-03	8.85E-03
T148646	G034507		5.69	-1.41	2.09E-03	8.92E-03
ENST00000527550	RP11-659G9.3	RAB30	6.36	-2.63	2.10E-03	8.95E-03
T213763	G049388		6.79	-1.46	2.10E-03	8.95E-03
TCONS_00014902	XLOC_006973		5.98	-1.52	2.10E-03	8.97E-03
T324385	G075951		4.60	1.12	2.10E-03	8.97E-03
ENST00000608495	RP5-1103G7.10		8.46	-1.48	2.12E-03	9.02E-03
NR_045634	BOLA3-AS1	BOLA3	7.83	-1.20	2.13E-03	9.07E-03
T065017	G014981	ANKRD42	4.37	-1.71	2.17E-03	9.19E-03
TCONS_I2_00011669	XLOC_I2_006125	RSAD1	6.03	-1.20	2.19E-03	9.26E-03
TCONS_00023783	XLOC_011578		4.91	1.01	2.19E-03	9.26E-03
ENST00000512939	RP11-351N6.1		4.39	1.05	2.20E-03	9.27E-03
NR_120340	RORA-AS1	RORA	5.95	1.08	2.20E-03	9.29E-03
ENST00000455554	RP11-35J1.1		4.43	-1.10	2.22E-03	9.34E-03
NR_120461	LINC01481	CNOT2	4.62	-1.08	2.22E-03	9.35E-03
T070597	G016333		5.42	1.13	2.22E-03	9.36E-03
T187573	G043060		4.28	2.81	2.23E-03	9.37E-03
uc003fvw.1	AK127609	TNK2	5.12	1.40	2.23E-03	9.38E-03
NR_120557	LOC101928812		6.76	-1.08	2.24E-03	9.40E-03
T362291	G085588		5.96	-1.29	2.25E-03	9.43E-03
T346458	G081567		7.34	1.25	2.29E-03	9.57E-03
ENST00000536131	RP11-625L16.1		5.64	-1.70	2.29E-03	9.58E-03
NR_003663	FUNDC2P2		6.70	-1.71	2.30E-03	9.59E-03
uc.24-	uc.24	FAF1	6.63	1.16	2.30E-03	9.61E-03
T346358	G081548		5.60	1.02	2.31E-03	9.62E-03
NR_110504	LOC101929572	POTEG	5.17	1.27	2.32E-03	9.65E-03
ENST00000602779	RP11-178L8.9	FBXO31	5.95	-1.10	2.32E-03	9.65E-03
NR_109932	LOC101929284		6.81	-1.21	2.33E-03	9.67E-03
uc.450+	uc.450		4.73	-1.15	2.33E-03	9.70E-03
ENST00000563865	RP11-442N1.2		4.86	-1.44	2.33E-03	9.70E-03
TCONS_00013103	XLOC_006314		4.31	-1.06	2.35E-03	9.75E-03
NR_125966	LOC101928973		9.56	1.17	2.35E-03	9.76E-03
T043399	G010036		6.16	-1.86	2.37E-03	9.80E-03
TCONS_00018340	XLOC_008620		5.67	-1.31	2.37E-03	9.82E-03
T337472	G079134		4.96	-1.14	2.38E-03	9.84E-03
TCONS_00016407	XLOC_007778		6.45	-1.69	2.40E-03	9.90E-03
ENST00000426976	AC093390.1	MYT1L	4.67	-1.04	2.40E-03	9.90E-03
T287667	G067195		4.55	1.06	2.42E-03	9.98E-03
T115941	G027338		5.55	1.06	2.42E-03	9.98E-03

T345812	G081398	TRPA1	5.72	-2.17	2.43E-03	9.99E-03
ENST00000607119	XXbac-BPGBPG55C20.1		11.54	-1.14	2.43E-03	9.99E-03
T314128	G073671		3.95	1.40	2.43E-03	1.00E-02
NR_047551	EGFR-AS1	EGFR	5.75	-1.55	2.44E-03	1.00E-02
T315822	G074089		5.25	-1.90	2.45E-03	1.01E-02
T376740	G089040		6.05	-1.48	2.46E-03	1.01E-02
ENST00000606468	RP11-529E15.1		5.32	-1.56	2.46E-03	1.01E-02
T327708	G076806		5.51	1.69	2.48E-03	1.02E-02
TCONS_00029584	XLOC_014218		4.91	1.55	2.48E-03	1.02E-02
ENST00000521490	RP11-381I15.1		4.60	-1.41	2.49E-03	1.02E-02
ENST00000465933	RP11-755B10.3	DENND6A	5.94	-1.38	2.49E-03	1.02E-02
T323476	G075695		4.84	-1.45	2.50E-03	1.02E-02
ENST00000523232	RP11-431D12.1		4.01	1.55	2.50E-03	1.02E-02
NR_028474	LOC100303749	ERBB2IP	5.23	1.02	2.51E-03	1.02E-02
T238848	G054862		4.02	-1.49	2.51E-03	1.02E-02
T280371	G065164		4.52	-1.17	2.51E-03	1.03E-02
ENST00000439592	DMD-AS3	DMD	6.01	1.48	2.52E-03	1.03E-02
T327616	G076774	SEMA3E	6.86	-1.52	2.52E-03	1.03E-02
T186396	G042787		7.49	-1.36	2.53E-03	1.03E-02
T223997	G051707		4.86	1.01	2.55E-03	1.04E-02
ENST00000514869	CTD-2296D1.2		5.76	-1.08	2.58E-03	1.05E-02
T163077	G037746		5.65	1.02	2.58E-03	1.05E-02
T246021	G056495		3.88	1.08	2.58E-03	1.05E-02
ENST00000379640	AC005863.1		7.23	-1.71	2.59E-03	1.05E-02
T339315	G079564		5.09	1.28	2.59E-03	1.05E-02
ENST00000579673	RP11-20B24.7	FLOT2	6.75	-1.53	2.60E-03	1.05E-02
T239029	G054916		6.38	-1.96	2.60E-03	1.05E-02
T266066	G061499		6.15	-1.38	2.60E-03	1.05E-02
T223475	G051557		4.78	-1.06	2.62E-03	1.06E-02
T232923	G053594		5.43	-1.05	2.62E-03	1.06E-02
T050233	G011749		6.07	1.12	2.63E-03	1.06E-02
T213262	G049251		9.03	-1.01	2.63E-03	1.06E-02
NR_103451	LOC101448202	COL5A1	4.36	1.18	2.66E-03	1.07E-02
T043281	G010011		4.34	-2.38	2.67E-03	1.07E-02
T302963	G070749	BTBD9	9.21	-1.18	2.68E-03	1.07E-02
T083609	G019411		4.62	1.06	2.68E-03	1.08E-02
NR_037841	MACROD2-AS1	MACROD2	5.48	1.25	2.68E-03	1.08E-02
ENST00000543451	RP11-983C2.3		4.44	1.07	2.69E-03	1.08E-02
T161061	G037209		6.96	-1.39	2.69E-03	1.08E-02
T291946	G068253		4.15	-1.49	2.70E-03	1.08E-02
T276345	G064221		4.10	-1.32	2.71E-03	1.08E-02
T068470	G015857		4.42	-1.32	2.73E-03	1.09E-02
T272009	G063121		6.37	-1.02	2.73E-03	1.09E-02
T150979	G035034		8.27	-1.28	2.74E-03	1.09E-02
T115643	G027269	CATSPER2	4.26	-1.07	2.75E-03	1.10E-02
T341087	G080058		4.31	1.19	2.78E-03	1.11E-02
T084761	G019672		4.21	-1.42	2.79E-03	1.11E-02
T281353	G065441		6.65	-1.67	2.79E-03	1.11E-02
ENST00000533812	RP11-890B15.2		5.23	-1.93	2.80E-03	1.11E-02
T323738	G075766		5.45	1.07	2.80E-03	1.11E-02
T002338	G000355		6.01	-1.12	2.81E-03	1.11E-02
T162200	G037489		6.13	1.12	2.82E-03	1.12E-02
T092733	G021523		5.03	1.51	2.83E-03	1.12E-02
T064806	G014909		6.10	-1.67	2.84E-03	1.12E-02
T083138	G019278		4.15	-1.03	2.85E-03	1.12E-02

T332136	G077856		5.04	1.03	2.85E-03	1.12E-02
GSE61474_TCONS_00317371	GSE61474_XLOC_060908		4.37	-1.06	2.85E-03	1.13E-02
T092450	G021429	MEDAG	4.38	-1.72	2.85E-03	1.13E-02
ENST00000522264	RP1-149L1.1	COL9A1	5.86	-1.32	2.86E-03	1.13E-02
T093947	G021841	TPT1	5.60	-1.28	2.87E-03	1.13E-02
T307419	G071877	CYB5R4	4.79	-1.50	2.88E-03	1.13E-02
TCONS_00005314	XLOC_002461	CFLAR	6.12	1.00	2.89E-03	1.14E-02
GSE61474_TCONS_00063076	GSE61474_XLOC_012183		5.71	1.03	2.90E-03	1.14E-02
T304168	G070961		6.91	-1.40	2.90E-03	1.14E-02
ENST00000561777	MIR4313		5.15	-1.65	2.90E-03	1.14E-02
ENST00000424359	AC004901.1		4.87	1.06	2.91E-03	1.14E-02
T378378	G089524		3.62	-1.86	2.91E-03	1.14E-02
T372610	G087874		4.16	-1.07	2.92E-03	1.14E-02
NR_120504	LOC100505736	BRE	5.97	-1.13	2.93E-03	1.15E-02
ENST00000465347	RP11-62G11.2		4.09	-1.61	2.94E-03	1.15E-02
ENST00000568427	RP11-21B23.1	BRD7	5.78	-1.32	2.95E-03	1.15E-02
ENST00000564046	RP11-467L24.1		5.18	-1.73	2.96E-03	1.16E-02
GSE61474_TCONS_00097558	GSE61474_XLOC_018856		6.41	-1.71	2.98E-03	1.16E-02
ENST00000608056	RP11-314C9.2		5.26	-1.19	2.98E-03	1.16E-02
T196744	G045360	ACOXL	5.80	-1.61	2.99E-03	1.17E-02
NR_110048	LOC101927292		4.70	1.11	3.00E-03	1.17E-02
T041121	G009449		6.76	-1.09	3.02E-03	1.17E-02
T239035	G054916		4.24	-1.56	3.02E-03	1.18E-02
T115221	G027220	TMEM87A	6.06	-1.83	3.03E-03	1.18E-02
T346352	G081542		4.88	-1.10	3.04E-03	1.18E-02
T070728	G016369		4.48	-1.08	3.04E-03	1.18E-02
ENST00000507058	CTC-276P9.2	C5orf66	4.68	-2.04	3.04E-03	1.18E-02
ENST00000445963	RP11-395E19.7		5.32	1.34	3.06E-03	1.19E-02
T355667	G083851		4.13	-1.37	3.06E-03	1.19E-02
T379739	G089919		5.83	1.24	3.07E-03	1.19E-02
T277910	G064440		5.21	-1.41	3.07E-03	1.19E-02
T204569	G047302		5.45	-1.13	3.07E-03	1.19E-02
ENST00000524425	RP11-162D9.3	OPRK1	4.17	-1.38	3.09E-03	1.20E-02
ENST00000435725	LINC01076		5.55	-1.16	3.10E-03	1.20E-02
T050359	G011779	FAM175B	5.80	-1.31	3.14E-03	1.21E-02
T318625	G074615		5.15	1.38	3.14E-03	1.21E-02
T190094	G043735		4.56	-1.50	3.14E-03	1.21E-02
TCONS_00006040	XLOC_002680		5.35	-1.41	3.17E-03	1.22E-02
T118857	G028076		4.68	1.04	3.20E-03	1.23E-02
TCONS_I2_00016674	XLOC_I2_008924		5.32	-1.31	3.28E-03	1.25E-02
T006952	G001492	PUM1	4.55	-1.43	3.29E-03	1.25E-02
T362326	G085589		4.32	-1.09	3.30E-03	1.25E-02
T057288	G013264		4.38	-1.81	3.31E-03	1.26E-02
T308434	G072186		5.22	-1.17	3.31E-03	1.26E-02
T056982	G013190	EHF	4.59	-1.05	3.31E-03	1.26E-02
ENST00000609548	RP11-20I20.4	SPON2	8.05	-1.20	3.33E-03	1.26E-02
T029792	G006623		5.14	-1.16	3.35E-03	1.27E-02
T278081	G064489		4.63	1.00	3.35E-03	1.27E-02
TCONS_00018089	XLOC_008357		6.77	1.02	3.37E-03	1.28E-02
ENST00000517318	RP11-778D12.2		4.22	-1.34	3.38E-03	1.28E-02
TCONS_00014813	XLOC_006890		6.14	-1.36	3.39E-03	1.28E-02
T209060	G048346		6.64	1.15	3.40E-03	1.28E-02
T238791	G054848	PLCL2	5.02	-1.30	3.40E-03	1.29E-02
ENST00000591014	RP11-173A16.1	KIAA1468	5.74	-1.66	3.41E-03	1.29E-02
T204429	G047277	CALCRL	4.51	-1.80	3.42E-03	1.29E-02

NR_120508	ELFN1-AS1	ELFN1	6.59	-1.06	3.42E-03	1.29E-02
T273600	G063531		5.48	1.85	3.43E-03	1.29E-02
ENST00000508853	CTD-2207A17.1		6.20	-1.69	3.44E-03	1.29E-02
ENST00000433997	RP11-92C4.3	GALNT12	6.61	-1.13	3.49E-03	1.31E-02
ENST00000564299	RP11-574O16.1		6.59	-1.78	3.49E-03	1.31E-02
uc.282+	uc.282	GRIN1	7.28	-1.10	3.49E-03	1.31E-02
T129268	G030280		4.69	-1.88	3.50E-03	1.31E-02
T332763	G078026	METTL2B	5.14	-1.10	3.51E-03	1.31E-02
T209102	G048355		10.65	1.18	3.52E-03	1.32E-02
ENST00000419614	RP11-398M15.1		5.73	-1.01	3.53E-03	1.32E-02
T117121	G027618	RFX7	4.26	-1.06	3.55E-03	1.33E-02
T362163	G085548		6.82	-1.12	3.60E-03	1.34E-02
ENST00000510240	CTC-563A5.2	RNF130	8.65	-2.75	3.60E-03	1.34E-02
ENST00000578967	RP11-676J15.1		4.79	-1.11	3.60E-03	1.34E-02
T337425	G079121		6.30	-1.10	3.61E-03	1.34E-02
T298795	G069845		4.15	-1.01	3.62E-03	1.35E-02
T166173	G038584		4.17	-1.09	3.63E-03	1.35E-02
T096746	G022708		5.89	-1.74	3.64E-03	1.35E-02
ENST00000509968	RP11-161D15.1		3.84	-1.15	3.66E-03	1.36E-02
T318560	G074596		4.43	-1.01	3.67E-03	1.36E-02
T013721	G003007		6.23	-1.58	3.69E-03	1.36E-02
NR_126387	LINC00396		7.05	-1.75	3.73E-03	1.37E-02
T191664	G044136		6.41	-1.08	3.76E-03	1.38E-02
ENST00000449613	AC132807.1	LOC339862	5.15	-1.64	3.76E-03	1.38E-02
T227318	G052447		6.50	1.23	3.78E-03	1.39E-02
TCONS_00015990	XLOC_007369		5.31	-1.18	3.80E-03	1.40E-02
T381188	G090360		6.93	1.07	3.81E-03	1.40E-02
NR_038848	LINC01021		9.44	-1.67	3.81E-03	1.40E-02
T310127	G072665		5.03	-1.38	3.85E-03	1.41E-02
TCONS_I2_00021299	XLOC_I2_011272		4.90	1.28	3.86E-03	1.41E-02
ENST00000413943	RP11-180O5.2	HHLA3	5.03	1.49	3.89E-03	1.42E-02
T331104	G077557		5.94	1.45	3.90E-03	1.42E-02
ENST00000552524	RP11-850F7.7		6.45	-1.10	3.92E-03	1.43E-02
ENST00000562904	RP11-457M11.5		11.16	-1.01	3.93E-03	1.43E-02
T291667	G068163		5.73	-1.41	3.95E-03	1.44E-02
T364479	G086149		6.69	-1.42	3.97E-03	1.44E-02
T075329	G017353		5.83	-1.21	3.97E-03	1.44E-02
T343940	G080851		5.97	-1.52	3.99E-03	1.45E-02
uc.478+	uc.478	GRIA3	4.01	-1.20	3.99E-03	1.45E-02
ENST00000452629	AP001891.1		6.89	1.26	4.01E-03	1.45E-02
T021621	G004748		4.48	1.08	4.04E-03	1.46E-02
T001563	G000196	PRDM16	7.89	-1.82	4.09E-03	1.47E-02
T375859	G088757		4.96	-1.29	4.11E-03	1.48E-02
ENST00000595005	CTD-2545M3.8		6.06	1.23	4.12E-03	1.48E-02
ENST00000412519	RP4-753D4.2	PTPRT	4.78	-1.76	4.15E-03	1.49E-02
T024344	G005301		4.17	1.02	4.15E-03	1.49E-02
T226781	G052371		5.21	-1.08	4.17E-03	1.49E-02
TCONS_00003222	XLOC_002007		5.60	-2.24	4.18E-03	1.50E-02
T263399	G060697		4.87	1.30	4.19E-03	1.50E-02
T141990	G033085		4.27	-1.33	4.20E-03	1.50E-02
T267595	G061933		4.20	-1.05	4.23E-03	1.51E-02
T320162	G074994		6.66	-2.53	4.24E-03	1.51E-02
T347216	G081795		6.33	1.16	4.25E-03	1.51E-02
T075675	G017445		7.41	-1.29	4.27E-03	1.52E-02
NR_038978	MORF4L2-AS1	MORF4L2	8.10	-1.07	4.28E-03	1.52E-02

T001870	G000268		4.42	-1.12	4.31E-03	1.53E-02
T328297	G076965		7.08	-1.02	4.33E-03	1.54E-02
T098445	G023231		4.55	1.08	4.34E-03	1.54E-02
ENST00000448734	AC103563.8	MAL	6.51	-1.28	4.37E-03	1.55E-02
T347710	G081946		5.34	-1.10	4.38E-03	1.55E-02
T176715	G040898		5.90	1.05	4.39E-03	1.55E-02
T361876	G085474		5.75	1.09	4.39E-03	1.55E-02
TCONS_00011250	XLOC_005118		4.72	-1.18	4.40E-03	1.56E-02
GSE61474_TCONS_00188438	GSE61474_XLOC_034361		4.16	-1.72	4.41E-03	1.56E-02
T372530	G087854		5.24	-2.10	4.41E-03	1.56E-02
ENST00000412811	RP11-761N21.1		5.88	-1.15	4.42E-03	1.56E-02
T324065	G075836		5.07	1.00	4.42E-03	1.56E-02
T040170	G009212		4.01	1.46	4.43E-03	1.56E-02
T006445	G001361	IFI6	6.23	1.22	4.45E-03	1.57E-02
ENST00000603280	RP11-401N18.1		4.68	-1.38	4.49E-03	1.58E-02
T278761	G064672		5.76	1.72	4.53E-03	1.59E-02
NR_040094	LINC01193		6.57	-1.31	4.57E-03	1.60E-02
uc.85-	uc.85		5.78	-1.58	4.58E-03	1.60E-02
T247495	G056923		4.11	-1.26	4.58E-03	1.60E-02
TCONS_00004331	XLOC_002204		5.32	1.13	4.58E-03	1.60E-02
NR_110079	LOC101927378		4.83	-1.59	4.59E-03	1.60E-02
uc.149+	uc.149	LRBA	5.02	-2.27	4.60E-03	1.61E-02
T279593	G064926		4.64	1.09	4.61E-03	1.61E-02
TCONS_00010232	XLOC_004700		4.67	-1.01	4.64E-03	1.62E-02
ENST00000417881	AC002429.5	PPP1R9A	5.77	-2.29	4.66E-03	1.62E-02
T342764	G080464		6.11	-1.01	4.67E-03	1.63E-02
T224260	G051777		5.01	-1.15	4.69E-03	1.63E-02
NR_026760	BPIFA4P		6.17	-1.20	4.70E-03	1.63E-02
T048304	G011247		5.46	-1.21	4.71E-03	1.64E-02
T350967	G082874		4.58	1.00	4.72E-03	1.64E-02
T246114	G056538		5.05	-1.44	4.74E-03	1.64E-02
NR_110827	LOC101928205		4.59	-1.41	4.88E-03	1.68E-02
NR_026558	AQP7P3		4.61	1.10	4.91E-03	1.69E-02
ENST00000425419	AC016994.2	ST6GAL2	4.99	-1.24	4.91E-03	1.69E-02
ENST00000518436	RP11-61G23.1		8.02	-1.00	4.92E-03	1.69E-02
T251741	G057945		5.08	-1.71	4.93E-03	1.69E-02
T251744	G057948		5.63	1.03	4.93E-03	1.69E-02
T340491	G079866		7.12	-1.72	4.94E-03	1.70E-02
T152766	G035402		4.33	-1.22	4.99E-03	1.71E-02
NR_003603	HAVCR1P1		5.79	1.19	5.00E-03	1.71E-02
T371795	G087664		6.61	-1.51	5.03E-03	1.72E-02
T070825	G016390		5.04	-1.11	5.03E-03	1.72E-02
NR_126168	LOC221946	FBXL18	9.27	-1.26	5.05E-03	1.73E-02
T343585	G080733		4.64	-1.04	5.05E-03	1.73E-02
T150826	G034967		3.98	-1.21	5.10E-03	1.74E-02
ENST00000607673	RP11-111M22.5	RP11-111M22.2	8.19	-1.02	5.13E-03	1.75E-02
ENST00000551571	RP11-121E16.1		6.09	-1.28	5.15E-03	1.75E-02
NR_027898	COL6A4P2		6.13	-1.13	5.18E-03	1.76E-02
ENST00000435702	AP001046.6		4.53	-1.27	5.23E-03	1.77E-02
T284540	G066364		4.45	1.18	5.23E-03	1.77E-02
T251796	G057966		4.02	-1.05	5.30E-03	1.79E-02
T116120	G027374		8.26	-1.19	5.35E-03	1.81E-02
ENST00000511602	CTD-2331D11.4		4.54	-1.38	5.35E-03	1.81E-02
T327988	G076884		5.19	-1.45	5.37E-03	1.81E-02

TCONS_00018094	XLOC_008360		4.72	-1.24	5.38E-03	1.81E-02
T096848	G022741		4.56	-1.15	5.42E-03	1.83E-02
T339956	G079744		5.28	-1.06	5.45E-03	1.83E-02
TCONS_00011994	XLOC_005508		5.03	1.14	5.48E-03	1.84E-02
ENST00000429317	AC113610.1		5.05	-1.33	5.49E-03	1.84E-02
T117743	G027788		3.52	-2.14	5.49E-03	1.84E-02
ENST00000415731	RP11-166N17.1	EPC1	5.08	1.09	5.50E-03	1.85E-02
NR_026881	PRG1		4.94	1.68	5.54E-03	1.86E-02
T370164	G087317		5.80	-1.14	5.62E-03	1.88E-02
TCONS_00025171	XLOC_012193	IKZF3	4.33	1.45	5.62E-03	1.88E-02
ENST00000399152	RP11-97E7.1		4.96	-1.57	5.68E-03	1.89E-02
ENST00000602443	AF131215.8		5.48	-1.26	5.70E-03	1.90E-02
NR_110000	LINC01212		3.98	-1.17	5.71E-03	1.90E-02
TCONS_00020475	XLOC_009808		5.80	1.83	5.72E-03	1.90E-02
T179653	G041385	SIGLEC7	4.35	-1.15	5.73E-03	1.91E-02
ENST00000517739	RP11-369K17.1		4.67	-1.03	5.74E-03	1.91E-02
T210202	G048639		5.41	-1.11	5.76E-03	1.91E-02
NR_125865	LOC101929705	C6orf223	7.13	-1.73	5.78E-03	1.92E-02
NR_002719	TOP1P1	FMO4	5.41	-1.03	5.82E-03	1.93E-02
ENST00000587527	RP11-567M16.2		4.70	-1.28	5.85E-03	1.94E-02
NR_104666	LINC01227		4.88	-1.03	5.92E-03	1.95E-02
NR_125401	LOC101928739	PIK3CA	6.08	-1.03	5.92E-03	1.96E-02
T064742	G014910		4.44	-1.12	5.94E-03	1.96E-02
T262340	G060351		5.04	-1.14	5.96E-03	1.96E-02
T032522	G007340		5.11	-2.57	5.98E-03	1.97E-02
T231447	G053245		4.62	-1.16	5.99E-03	1.97E-02
ENST00000606980	RP11-111M22.4	LOC100506127	10.49	-1.02	5.99E-03	1.97E-02
T278798	G064688		5.22	1.40	6.00E-03	1.97E-02
T199539	G046014		14.76	-1.02	6.02E-03	1.98E-02
ENST00000454484	RP11-35J23.1	DNTT	4.13	-1.52	6.09E-03	2.00E-02
ENST00000585520	CTD-2231E14.4		6.34	-1.02	6.10E-03	2.00E-02
T288080	G067305	SNCAIP	4.59	-1.28	6.13E-03	2.01E-02
T016451	G003659		5.43	-1.17	6.18E-03	2.02E-02
T349726	G082540		5.81	1.44	6.22E-03	2.03E-02
TCONS_00026366	XLOC_012716		4.99	-1.37	6.27E-03	2.04E-02
T187815	G043133		5.65	-1.14	6.30E-03	2.05E-02
T352951	G083341	BAI1	12.01	-2.43	6.31E-03	2.05E-02
ENST00000448806	LINC01034		4.90	1.61	6.36E-03	2.06E-02
T351048	G082895		3.66	-1.32	6.37E-03	2.07E-02
T373006	G087990		6.63	-1.07	6.37E-03	2.07E-02
TCONS_00018332	XLOC_008610		6.65	-1.32	6.46E-03	2.09E-02
ENST00000515422	RP11-395I6.2		5.33	-1.01	6.53E-03	2.10E-02
NR_045408	RCAN3AS	RCAN3	7.87	-1.16	6.58E-03	2.12E-02
TCONS_00006453	XLOC_003063		5.56	-1.05	6.62E-03	2.13E-02
T287333	G067080		4.27	-1.03	6.64E-03	2.13E-02
T136811	G032035		4.12	-1.09	6.67E-03	2.14E-02
T096917	G022758		6.02	-1.06	6.75E-03	2.16E-02
T224299	G051791		7.63	-1.23	6.77E-03	2.17E-02
NR_015361	LOC440896		6.45	-1.39	6.80E-03	2.17E-02
T305528	G071331		5.21	-1.49	6.81E-03	2.18E-02
T316676	G074202		5.84	-1.08	6.83E-03	2.18E-02
ENST00000432987	RP11-398B16.2	ADARB2	8.50	-1.20	6.88E-03	2.19E-02
T302541	G070636		5.61	-1.88	6.92E-03	2.20E-02
TCONS_00024342	XLOC_011660		6.24	-1.14	6.97E-03	2.21E-02
T206320	G047763	ADAM23	5.53	-1.66	6.99E-03	2.22E-02

NR_027711	OR5E1P		6.39	-1.72	7.00E-03	2.22E-02
T200920	G046410		5.42	-1.27	7.01E-03	2.22E-02
NR_104125	IFNG-AS1		5.55	-1.24	7.05E-03	2.24E-02
ENST00000430770	RP11-136K14.1	PLEKHG1	4.71	1.03	7.13E-03	2.26E-02
T151039	G035053		4.41	-1.34	7.21E-03	2.27E-02
uc001gkr.1	AK093214	TNR	6.45	-1.10	7.21E-03	2.27E-02
T356453	G084089		4.67	-1.47	7.32E-03	2.30E-02
T254889	G058736	NAALADL2	4.57	-1.09	7.38E-03	2.31E-02
ENST00000571972	RP11-763E3.1		3.84	1.48	7.40E-03	2.32E-02
T009268	G001999	SLC2A1	4.64	-1.37	7.45E-03	2.33E-02
T332164	G077862		4.35	-1.16	7.47E-03	2.34E-02
T265637	G061400		4.78	-1.27	7.50E-03	2.34E-02
ENST00000515181	RP11-240A16.1		4.10	-1.14	7.51E-03	2.34E-02
NR_126343	LOC171391	PDDC1	12.15	-1.09	7.51E-03	2.34E-02
ENST00000452053	ADAM6		5.48	-1.08	7.52E-03	2.35E-02
T071072	G016436		5.96	-2.12	7.54E-03	2.35E-02
T024135	G005197		5.94	-1.15	7.54E-03	2.35E-02
TCONS_00006679	XLOC_003276		5.43	-1.64	7.56E-03	2.36E-02
NR_103839	FRY-AS1	FRY	4.67	1.16	7.57E-03	2.36E-02
NR_027321	LINC00964		6.81	-1.06	7.61E-03	2.37E-02
T327473	G076733		3.91	-1.47	7.70E-03	2.39E-02
T026902	G005977		8.05	-1.27	7.71E-03	2.39E-02
T186961	G042897		5.55	-1.14	7.77E-03	2.41E-02
NR_110650	LOC101927132		9.14	-1.36	7.78E-03	2.41E-02
TCONS_00008036	XLOC_003501		4.42	-1.31	7.79E-03	2.41E-02
TCONS_00020373	XLOC_009705		6.35	-1.04	7.82E-03	2.42E-02
T377634	G089363		5.36	-1.13	7.83E-03	2.42E-02
ENST00000443801	TRMT2B-AS1	TRMT2B	5.21	-1.10	7.92E-03	2.44E-02
NR_103715	LINC00269		4.25	-1.07	7.96E-03	2.45E-02
T196167	G045191		5.73	-1.38	8.01E-03	2.46E-02
T197146	G045450		5.27	-1.19	8.03E-03	2.47E-02
ENST00000564417	RP11-258F22.2	ZNF248	4.73	-1.18	8.07E-03	2.48E-02
uc.182-	uc.182	RANBP17	8.03	-1.70	8.10E-03	2.48E-02
T383104	G090763		4.47	-1.55	8.16E-03	2.50E-02
TCONS_00013378	XLOC_006010		8.96	-1.24	8.22E-03	2.51E-02
TCONS_00014916	XLOC_006983		4.74	1.03	8.26E-03	2.52E-02
ENST00000421181	AC080094.1		5.55	-1.65	8.35E-03	2.54E-02
T076590	G017649		4.39	-1.40	8.37E-03	2.55E-02
T021353	G004694		4.19	1.17	8.40E-03	2.56E-02
ENST00000566236	RP11-568A19.1		6.15	-1.15	8.47E-03	2.57E-02
T030985	G006998		4.86	1.06	8.54E-03	2.59E-02
uc021vwo.1	Pinc		4.79	-1.64	8.56E-03	2.59E-02
uc001xsz.3	BC038792		4.69	2.07	8.62E-03	2.61E-02
T185752	G042637		4.25	-1.14	8.65E-03	2.61E-02
ENST00000599524	RP11-678G14.4		8.02	-1.15	8.69E-03	2.62E-02
ENST00000409819	AC079354.3	KIAA2012	5.70	1.06	8.69E-03	2.62E-02
NR_038902	JAKMIP2-AS1	JAKMIP2	4.36	-1.08	8.72E-03	2.63E-02
T254898	G058738	NAALADL2	4.59	1.17	8.72E-03	2.63E-02
TCONS_00014681	XLOC_006779		5.14	-1.73	8.73E-03	2.63E-02
T309520	G072508		5.02	-1.34	8.78E-03	2.64E-02
T220821	G051083		4.60	-1.11	8.79E-03	2.65E-02
T031798	G007164		5.29	-1.51	8.81E-03	2.65E-02
TCONS_00014088	XLOC_006015		4.57	1.12	8.83E-03	2.65E-02
TCONS_00000890	XLOC_000141	OSCP1	6.34	-1.39	8.97E-03	2.69E-02
T099284	G023442		5.38	-1.80	9.04E-03	2.71E-02

ENST00000563331	CTD-2015G9.1		5.77	-1.92	9.07E-03	2.71E-02
TCONS_00012060	XLOC_005590		6.50	-1.27	9.10E-03	2.72E-02
T280023	G065050		4.37	-1.12	9.17E-03	2.73E-02
T097319	G022867		4.60	-1.70	9.23E-03	2.75E-02
ENST00000438738	RP11-268F1.3	ANKRD66	4.62	-1.51	9.43E-03	2.79E-02
T302619	G070651	STK38	9.01	-1.02	9.48E-03	2.80E-02
T309821	G072589		12.39	-2.89	9.49E-03	2.80E-02
ENST00000563116	CTD-3037G24.4	SNX29	6.91	-1.09	9.51E-03	2.81E-02
TCONS_00025487	XLOC_012307		9.13	-1.49	9.61E-03	2.83E-02
T073683	G016880	CLEC2B	6.04	-1.36	9.61E-03	2.83E-02
T137576	G032248		3.63	-1.31	9.71E-03	2.85E-02
T312320	G073201	ARFGEF3	6.89	-1.28	9.79E-03	2.87E-02
T180042	G041464	ZNF432	4.17	-1.01	1.00E-02	2.93E-02
ENST00000563554	RP11-77K12.3	RP11-77K12.1	4.07	-1.24	1.01E-02	2.94E-02
T379222	G089748		4.52	1.02	1.01E-02	2.95E-02
T332373	G077913	TMEM229A	4.52	1.15	1.02E-02	2.96E-02
T015476	G003403	ARHGAP29	4.91	-1.19	1.02E-02	2.97E-02
T133535	G031370		6.73	-1.01	1.03E-02	2.99E-02
TCONS_00013543	XLOC_006182		7.48	-1.03	1.04E-02	3.01E-02
T122886	G028986		5.39	-1.18	1.04E-02	3.01E-02
T047056	G010963		5.92	-1.02	1.06E-02	3.05E-02
T083917	G019473		6.50	-1.03	1.07E-02	3.07E-02
TCONS_00022564	XLOC_010883		7.82	-1.14	1.08E-02	3.10E-02
T309702	G072553	FYN	6.23	-1.28	1.08E-02	3.11E-02
ENST00000506638	RP11-400D2.2		5.15	-1.37	1.10E-02	3.13E-02
T353404	G083424		5.39	-1.43	1.11E-02	3.17E-02
ENST00000366321	RBMS3-AS2	RBMS3	5.99	-1.15	1.12E-02	3.19E-02
T171346	G039738	ZNF737	4.31	1.09	1.12E-02	3.19E-02
T361542	G085387		4.94	-1.35	1.13E-02	3.21E-02
uc.324+	uc.324	MPPED2	5.17	1.22	1.13E-02	3.22E-02
T319771	G074895		4.68	-1.44	1.14E-02	3.23E-02
T323732	G075761		5.09	-1.18	1.14E-02	3.24E-02
T228183	G052587		4.54	-1.14	1.15E-02	3.25E-02
T038506	G008785	KIAA1217	6.96	-1.61	1.15E-02	3.26E-02
T354661	G083589	DOCK8	4.58	-1.11	1.16E-02	3.28E-02
T001826	G000247		7.62	-1.71	1.17E-02	3.29E-02
ENST00000593558	RP11-1137G4.3		6.43	-1.05	1.18E-02	3.33E-02
ENST00000485204	RN7SL240P		3.96	1.32	1.19E-02	3.35E-02
T352453	G083218		4.27	-1.49	1.20E-02	3.37E-02
T283138	G065982		6.44	1.08	1.21E-02	3.39E-02
NR_036573	LOC155060	ZNF783	9.10	-1.26	1.22E-02	3.42E-02
GSE61474_TCONS_00081715	GSE61474_XLOC_015413		5.04	1.03	1.24E-02	3.45E-02
T133509	G031352		4.74	-1.07	1.24E-02	3.46E-02
T337236	G079071		4.70	-1.14	1.25E-02	3.46E-02
T152329	G035343		4.98	-1.15	1.26E-02	3.48E-02
T338675	G079427		4.28	1.25	1.27E-02	3.51E-02
T361016	G085288		4.07	-1.12	1.28E-02	3.54E-02
T187647	G043089		7.17	-1.70	1.30E-02	3.58E-02
T163910	G038027		6.91	-1.84	1.31E-02	3.59E-02
NR_120396	LINC01591		8.20	-1.21	1.33E-02	3.64E-02
T226482	G052310		5.93	-2.26	1.33E-02	3.65E-02
T221134	G051142		6.15	-1.43	1.34E-02	3.66E-02
T150702	G034917		4.57	1.08	1.34E-02	3.67E-02
T245959	G056484		5.36	-1.04	1.34E-02	3.67E-02
T127443	G029757	TXNDC11	6.30	-1.29	1.36E-02	3.69E-02

GSE61474_TCONS_00031021	GSE61474_XLOC_005951		3.92	1.10	1.38E-02	3.75E-02
T183896	G042241		4.87	-1.63	1.38E-02	3.75E-02
T370696	G087407		6.87	-1.10	1.38E-02	3.75E-02
T371165	G087521		7.56	1.14	1.41E-02	3.82E-02
T366622	G086685		4.05	-1.03	1.43E-02	3.85E-02
T152079	G035295		5.12	-1.62	1.43E-02	3.86E-02
uc.434-	uc.434	SKOR2	4.76	-1.27	1.44E-02	3.86E-02
TCONS_00022582	XLOC_010896		5.20	-1.36	1.44E-02	3.88E-02
ENST00000509999	AC008592.4	C5orf27	6.24	-1.86	1.45E-02	3.88E-02
T342163	G080329		4.29	1.07	1.45E-02	3.88E-02
T223766	G051632		5.15	1.12	1.45E-02	3.89E-02
NR_120667	LINC01519		5.30	-1.11	1.47E-02	3.93E-02
T282245	G065732		4.14	-1.08	1.48E-02	3.94E-02
ENST00000571282	RP5-1029F21.3	VPS53	5.43	-1.05	1.48E-02	3.95E-02
T314246	G073713		5.23	1.21	1.48E-02	3.96E-02
ENST00000425939	RP4-705D16.3	SNRPB2	8.98	-1.35	1.49E-02	3.98E-02
uc.307-	uc.307	BTRC	4.42	-1.12	1.52E-02	4.02E-02
TCONS_00017599	XLOC_008270		11.52	-1.17	1.53E-02	4.04E-02
NR_027231	LINC00685		10.59	-1.03	1.54E-02	4.07E-02
ENST00000602975	RP11-797A18.6	TSPAN3	14.71	-1.07	1.56E-02	4.11E-02
T172592	G040074	CCNE1	6.70	1.06	1.56E-02	4.11E-02
T338052	G079277		4.18	1.85	1.60E-02	4.20E-02
T095952	G022464		4.74	-1.21	1.63E-02	4.26E-02
T068817	G015917		6.55	-1.59	1.64E-02	4.27E-02
T118408	G027951		7.03	-1.02	1.64E-02	4.27E-02
GSE61474_TCONS_00063000	GSE61474_XLOC_012169		6.31	-1.75	1.64E-02	4.28E-02
ENST00000568306	RP1-39J2.1		5.40	-1.54	1.64E-02	4.29E-02
T373670	G088150		4.57	-1.30	1.65E-02	4.29E-02
T027220	G006090		8.76	-1.53	1.65E-02	4.29E-02
T371128	G087508		4.15	-1.08	1.65E-02	4.30E-02
ENST00000463420	RP11-64D22.2		4.44	1.05	1.66E-02	4.31E-02
T306301	G071572		5.50	-1.15	1.67E-02	4.33E-02
T027529	G006184		6.86	-1.07	1.68E-02	4.35E-02
ENST00000511634	RP11-231C18.1		4.34	-1.23	1.68E-02	4.35E-02
T031279	G007039		5.32	-1.19	1.68E-02	4.35E-02
T103164	G024301	TTC6	4.79	-1.02	1.70E-02	4.39E-02
T138026	G032332	BANP	8.07	-1.97	1.72E-02	4.43E-02
T009488	G002042		5.56	-1.24	1.73E-02	4.45E-02
T376884	G089088		5.13	-1.51	1.73E-02	4.46E-02
T135600	G031738		6.48	-1.36	1.74E-02	4.48E-02
T185926	G042678		5.43	-1.04	1.75E-02	4.49E-02
TCONS_00018160	XLOC_008450		6.92	-1.00	1.76E-02	4.50E-02
T038921	G008900		5.40	-1.12	1.77E-02	4.54E-02
T213199	G049228		4.10	1.39	1.77E-02	4.54E-02
T258830	G059618		6.37	-1.07	1.79E-02	4.57E-02
T246368	G056649		6.53	-1.68	1.80E-02	4.59E-02
T280794	G065302		6.79	-1.21	1.83E-02	4.65E-02
T283196	G066014		4.28	-1.84	1.83E-02	4.65E-02
T320037	G074965		5.19	-1.21	1.83E-02	4.66E-02
T327702	G076804		5.70	-1.24	1.84E-02	4.67E-02
NR_131012	NEAT1		9.60	-1.04	1.88E-02	4.74E-02
ENST00000562304	RP11-700H13.1		6.01	-1.46	1.91E-02	4.81E-02
ENST00000559600	RP11-718O11.1		5.53	1.09	1.92E-02	4.82E-02
T237172	G054486		4.97	-1.07	1.95E-02	4.88E-02
T017564	G003914		3.60	1.45	1.96E-02	4.90E-02

GSE61474_TCONS_00328024	GSE61474_XLOC_063422		4.42	-1.21	1.96E-02	4.91E-02
NR_038887	LINC00951		6.59	-1.01	1.97E-02	4.92E-02
T339295	G079557		5.51	1.14	2.00E-02	4.98E-02

S5 Table. Transcripts showing differential expression in P and PF treatment groups				
Gene symbol	Palmitate		Palmitate + fructose	
	Log₂FC	FDR	Log₂FC	FDR
AC006547.14	3.14	2.44E-04	3.78	1.42E-04
AC008060.7	2.86	8.66E-04	3.60	1.91E-05
AC026703.1	-1.80	1.58E-03	-2.40	3.35E-05
AC093323.1	5.47	7.61E-06	6.00	1.25E-05
AC112715.2	-1.03	1.69E-02	-1.29	9.59E-05
AC135983.2	1.21	1.55E-02	1.98	5.28E-05
AC137056.1	1.03	1.31E-02	2.12	7.66E-05
ACOX2	1.31	4.11E-03	1.66	1.17E-04
ACSL6	1.36	1.34E-02	1.78	2.82E-04
ADAM33	-1.21	3.02E-02	-1.05	7.73E-03
ADAMTS6	1.21	1.71E-02	1.37	1.81E-04
AGPAT4	-1.10	1.05E-02	-1.39	1.83E-03
AGTR2	1.89	3.28E-03	2.43	2.44E-05
AKR1CL1	4.60	3.07E-04	5.58	3.02E-05
AL354993.1	-1.28	2.19E-02	-1.17	3.98E-03
AL953854.2-002	-1.77	8.85E-04	-1.55	3.05E-04
AMIGO2	1.36	1.26E-02	1.48	5.65E-04
ANGPTL1	-1.13	1.68E-02	-1.41	5.58E-04
ANKRD62	-1.54	2.47E-03	-1.58	7.09E-04
AOX1	1.70	7.47E-04	2.14	3.89E-05
APELA	-1.08	1.85E-02	-1.09	8.74E-03
APOL6	1.07	1.91E-02	1.59	1.42E-04
AQP4	1.56	1.20E-02	2.55	2.31E-03
ARL14EPL	5.19	7.29E-06	5.87	9.20E-06
ASB2	-1.11	5.32E-03	-1.29	1.47E-04
ASNS	1.41	1.74E-02	1.63	1.08E-04
ATXN3L	6.01	7.29E-06	6.53	5.36E-06
AUTS2	6.11	3.01E-05	7.13	2.44E-05
AX747988	-1.08	3.93E-03	-1.39	2.44E-04
AXL	1.16	4.48E-03	1.75	5.36E-05
BTN1A1	5.05	9.90E-05	5.94	2.28E-05
BTN3A1	3.71	1.00E-03	4.11	6.04E-05
BZRAP1	3.27	1.25E-03	4.16	8.24E-05
C15orf62	-1.36	1.79E-03	-1.85	5.09E-04
C1orf100	6.10	7.29E-06	6.54	7.21E-06
C1QTNF3	-1.03	1.42E-02	-1.28	6.11E-04
C2orf91	-1.57	8.29E-03	-2.23	2.76E-04
C3orf14	-1.22	3.21E-02	-1.47	1.53E-04
C8orf12	5.93	1.31E-05	6.76	1.91E-05
CADM1	-1.35	1.45E-02	-1.50	2.73E-04
CADPS2	-1.01	4.30E-03	-1.23	3.77E-04
CCDC102B	-1.04	4.19E-02	-1.05	6.47E-03
CCDC114	-1.01	2.79E-02	-1.16	7.32E-04
CCDC127	1.86	8.55E-04	2.11	1.56E-04
CCDC146	-1.02	1.57E-02	-1.14	1.51E-03
CCDC170	1.34	2.23E-03	1.67	2.52E-04
CCL17	5.58	8.02E-06	6.12	9.97E-06
CD44	1.06	5.12E-03	1.05	1.80E-04
CDC42EP2	1.53	3.23E-03	1.98	6.24E-05
CDH10	-1.61	2.32E-02	-1.71	5.88E-05
CDH7	4.32	5.75E-05	4.89	4.46E-05
CDH9	-1.64	1.38E-03	-2.03	2.42E-05
CDRT4	3.45	2.39E-04	3.84	6.38E-05
CDY2A	3.82	4.84E-04	4.70	9.29E-05
CEBPB	1.01	2.96E-02	1.45	1.24E-04
CES1	1.35	9.67E-03	1.69	4.47E-05

CFI	-1.02	2.18E-02	-1.33	6.05E-04
CGB2	1.22	4.84E-03	1.89	4.70E-04
CHRD1	-1.05	3.44E-02	-1.20	1.35E-03
CMTR2	5.00	7.47E-06	5.32	2.52E-06
CNNM1	1.31	2.44E-02	1.75	2.94E-03
COG8	1.59	6.07E-04	2.13	8.99E-05
COL3A1	-1.17	7.59E-03	-1.96	3.30E-05
CRABP2	-1.26	1.75E-02	-1.36	2.06E-04
CREBRF	4.45	1.31E-05	4.85	6.64E-06
CSAG1	-1.40	1.58E-02	-1.31	1.15E-03
CSAG3	-1.32	1.19E-02	-1.67	1.29E-04
CT45A3	-1.74	1.73E-02	-1.66	2.85E-03
CT47A1	3.40	1.21E-03	4.32	5.70E-05
CTD-2368P22.1	3.39	3.64E-04	3.89	3.59E-05
CTHRC1	-1.49	5.63E-03	-1.83	5.29E-04
CXADR	-1.12	3.28E-02	-1.01	2.17E-03
CXCL1	1.39	9.21E-03	1.71	5.87E-05
CXCL12	-1.81	3.49E-03	-1.79	2.42E-05
CYP2C18	2.42	3.49E-03	3.32	4.46E-04
CYP2C8	-1.32	2.40E-02	-1.18	2.30E-03
CYP2F1	1.26	9.76E-03	1.98	2.66E-03
DCLK1	-1.00	7.16E-03	-1.41	4.77E-05
DPP9-AS1	4.18	4.89E-05	4.16	7.04E-06
DPRX	1.68	3.28E-03	2.21	9.25E-05
DUSP4	1.57	9.27E-03	1.35	2.26E-03
DYDC1	2.12	1.48E-03	2.76	9.72E-05
EDAR	1.23	2.65E-03	1.57	4.42E-04
EDIL3	-1.33	7.48E-03	-1.08	1.89E-03
EDN2	-1.55	1.34E-03	-2.45	4.36E-05
EFNB1	1.09	2.01E-02	1.11	9.32E-04
EGFL8	1.74	5.59E-03	1.97	1.39E-04
EN1	-1.08	2.62E-02	-1.52	1.82E-04
ENTPD6	1.22	1.65E-03	1.42	7.40E-05
ESRRG	-1.37	5.12E-03	-1.56	2.48E-04
ETNPPL	3.46	1.82E-04	4.04	3.61E-05
F9	3.03	3.44E-03	3.70	1.78E-04
FABP7	-1.68	1.14E-03	-2.07	3.88E-05
FAM13C	-1.20	1.69E-02	-1.75	2.44E-04
FAM159B	-1.19	1.11E-02	-1.13	3.50E-04
FAP	-1.82	4.62E-04	-1.78	6.64E-05
FASN	-1.04	2.29E-02	-1.01	5.49E-03
FBXO40	5.78	2.18E-05	6.08	1.13E-05
FBXO43	-1.17	3.68E-02	-1.05	9.99E-03
FCRLB	1.04	1.40E-02	1.58	1.96E-04
FERMT1	1.18	7.54E-03	1.40	4.49E-04
FGF1	1.25	2.57E-03	1.51	3.38E-04
FGF7	-1.27	2.16E-02	-1.04	9.98E-03
FJX1	2.30	2.07E-04	2.90	8.62E-05
FLJ41484	-1.31	3.57E-02	-1.58	3.24E-04
FN1	1.31	1.85E-03	1.26	4.24E-04
FNBP1L	3.77	1.11E-05	4.38	2.09E-05
FOSL1	1.28	2.46E-03	1.61	2.78E-05
FOXC2	1.06	1.54E-02	1.61	1.00E-04
FSTL5	-1.23	3.11E-02	-1.25	1.36E-04
GABPB2	1.25	3.96E-02	1.84	1.84E-04
GABRQ	-1.11	4.46E-03	-1.27	2.98E-04
GALNT12	1.28	1.64E-03	1.43	2.38E-04
GFOD1	1.16	4.14E-03	1.87	7.47E-05
GJB2	2.83	1.07E-03	3.46	2.34E-05

GLIPR1	1.52	7.12E-04	2.00	1.75E-04
GNRH1	-1.07	3.65E-02	-1.09	7.11E-03
GP5	6.00	1.64E-05	6.91	1.88E-05
GPR1	1.22	3.44E-02	1.44	1.05E-04
GPR87	-1.00	1.29E-02	-1.13	9.96E-04
GRIA2	-1.70	3.65E-03	-1.70	3.25E-04
GRIFIN	1.38	2.33E-03	1.99	8.95E-04
GSTM3	-1.14	3.49E-03	-1.41	1.93E-04
GTSF1	1.46	6.45E-03	1.62	7.19E-05
GYS1	4.82	1.26E-05	5.21	6.64E-06
HAND2	-1.53	1.72E-03	-1.72	6.76E-05
HEG1	4.82	3.30E-05	5.66	2.74E-05
HLA-DMB	-1.07	1.69E-02	-1.57	5.20E-04
HOOK3	2.96	1.41E-04	3.56	3.50E-05
HOXA13	-1.37	1.44E-02	-1.21	3.73E-03
HPD	-2.28	2.41E-04	-1.80	2.69E-05
HPSE2	-1.73	7.63E-03	-2.22	5.07E-04
ID2	-1.09	4.30E-03	-1.18	7.37E-05
IER3	1.01	3.49E-03	1.13	1.11E-04
IFIT1	-1.07	3.26E-02	-1.63	4.72E-04
IL4	4.17	1.00E-03	4.95	3.80E-05
ITGA1	-1.18	1.73E-03	-1.50	8.65E-05
JAG2	-1.05	5.12E-03	-1.21	2.29E-04
JAZF1	-1.16	2.15E-03	-1.47	6.96E-05
JPH2	-1.26	3.19E-03	-1.24	1.64E-04
KIAA0146	-1.05	7.61E-03	-1.25	5.64E-05
KIAA1211L	-1.70	8.37E-03	-2.03	2.15E-04
KITLG	5.41	7.29E-06	5.76	2.52E-06
KRT12	1.27	2.25E-02	1.23	1.35E-03
KRT34	1.74	8.84E-03	2.60	5.07E-05
KRT7	1.05	1.06E-02	1.14	5.48E-04
KRTAP1-5	1.52	1.18E-02	2.62	3.08E-05
KRTAP2-3	2.02	8.89E-03	2.92	5.91E-05
LAMA3	-1.22	4.02E-02	-1.15	1.10E-03
LETM2	1.03	3.83E-02	1.64	1.17E-04
LIF	1.18	2.19E-03	1.20	1.82E-04
LIPK	1.34	1.68E-03	1.98	4.74E-04
LL22NC03-75H12.2	-2.01	1.36E-03	-2.52	1.07E-05
LMOD1	-1.74	1.32E-03	-1.29	1.46E-03
LOC100134391	1.09	2.26E-02	2.11	8.59E-05
LOC283685	1.57	3.08E-02	2.53	3.33E-04
LRIG1	1.00	2.79E-02	1.35	2.80E-04
LRRC1	2.73	3.30E-05	3.18	4.32E-05
LRRC16A	2.68	2.38E-04	3.10	6.13E-05
LRRC4B	-1.11	1.12E-02	-1.62	3.59E-05
MAB21L2	-1.10	4.51E-02	-1.67	1.11E-04
MAT2A	2.71	4.43E-05	3.02	9.56E-06
MATN2	-1.31	1.67E-03	-1.34	6.04E-05
MBTD1	-1.09	2.57E-03	-1.19	1.30E-04
MC4R	-1.31	4.84E-03	-1.73	1.17E-04
METTL7A	-1.17	8.17E-03	-1.79	1.19E-04
MLST8	1.79	2.46E-04	2.18	5.70E-05
MON1A	2.20	2.46E-03	2.82	2.16E-04
MPP7	-1.05	1.20E-02	-1.49	2.44E-04
MXRA5	-1.64	1.20E-02	-2.25	3.04E-04
MYO3A	5.44	2.51E-05	5.56	5.36E-06
MYPN	-1.06	1.93E-02	-1.08	1.07E-02
NAMPT	1.04	2.28E-02	1.13	2.60E-04
NCAM2	-1.64	2.95E-03	-1.89	2.06E-04

NDST4	-1.50	1.41E-02	-1.82	1.04E-04
NEFL	-1.09	1.17E-02	-1.53	3.00E-05
NFIB	-1.70	3.68E-02	-1.36	4.35E-04
NFYB	-1.19	1.56E-03	-1.39	7.60E-05
NOX4	1.04	2.39E-02	1.76	3.05E-04
NPR3	-1.31	3.28E-03	-1.46	3.46E-04
NPY	1.64	3.49E-03	2.05	1.37E-04
NRARP	-1.10	3.18E-03	-1.17	1.88E-04
NT5E	1.75	4.62E-04	1.66	6.69E-05
NTN4	1.37	8.74E-03	1.51	3.05E-04
NTRK3	-1.20	1.55E-02	-1.90	1.01E-04
OCIAD2	-1.00	7.03E-03	-1.64	1.28E-04
OFCC1	5.38	7.29E-06	5.47	5.36E-06
OLFML3	-1.17	2.58E-03	-1.35	1.78E-04
OR10A3	3.26	2.07E-03	4.10	2.75E-04
OR1E1	2.29	2.53E-03	3.04	5.70E-05
OR4A47	1.48	7.81E-03	2.11	9.47E-05
OR52E8	5.96	1.27E-05	6.70	1.29E-05
OR5P2	2.12	4.95E-02	2.31	4.81E-03
OR6A2	6.23	7.29E-06	6.58	2.58E-06
OR6M1	5.02	2.51E-05	5.65	1.02E-05
OSBPL2	2.44	8.69E-04	2.87	1.58E-04
PAGE4	3.46	3.59E-04	4.58	6.49E-05
PCDH18	-1.10	1.90E-02	-1.51	4.82E-04
PCDH20	-2.11	1.15E-03	-1.88	3.09E-04
PCDH9	-1.17	1.73E-02	-1.33	2.94E-03
PCDHB17	2.98	3.98E-03	4.12	1.34E-04
PCDHB3	-1.19	2.06E-02	-1.09	3.17E-04
PCK2	1.50	4.87E-02	1.90	1.09E-03
PDE9A	3.34	1.55E-04	4.01	5.33E-05
PDPN	-1.17	3.66E-03	-1.70	3.66E-05
PEG10	-1.42	3.49E-03	-2.09	5.89E-05
PGF	5.89	7.29E-06	6.51	1.80E-05
PID1	1.14	4.02E-03	1.19	3.26E-04
PIK3R3	-1.23	7.97E-03	-1.30	2.13E-04
PITX2	-1.04	4.39E-03	-1.23	2.97E-04
PIWIL3	3.31	3.18E-03	3.92	1.19E-04
PKP2	-1.31	1.29E-03	-1.11	9.49E-05
PLA2G4A	-1.66	8.69E-04	-1.94	4.85E-05
PLA2G5	-1.10	1.99E-02	-1.20	9.18E-05
PLCE1	-1.09	3.44E-03	-1.19	9.30E-05
PLXND1	-1.43	4.02E-03	-1.95	8.82E-05
PPARGC1A	-1.15	1.94E-03	-1.11	2.22E-04
PPFIBP1	1.10	8.02E-03	1.05	2.79E-04
PPP1R14C	2.33	1.63E-02	3.35	1.08E-04
PRAC2	-1.28	1.41E-02	-1.14	3.44E-04
PRKCQ	-1.40	6.93E-03	-1.39	7.70E-04
PSG9	-1.40	3.62E-03	-1.03	3.67E-03
PTPRB	-1.18	2.14E-03	-1.15	1.88E-04
PTPRQ	-1.29	1.58E-02	-1.35	4.53E-03
PYCARD	-1.09	3.26E-03	-1.58	7.88E-05
QPRT	-1.40	2.19E-03	-1.28	8.93E-05
RAB26	-1.01	1.71E-02	-1.11	6.47E-04
RALA	1.15	2.19E-03	1.41	5.34E-05
RALYL	5.26	7.29E-06	5.85	1.00E-05
RAMP1	-1.24	7.03E-03	-1.17	1.28E-03
RAPGEF4	-1.27	1.90E-02	-1.45	3.21E-03
RASAL3	1.45	3.09E-02	1.64	1.61E-03
RBMV1B	-1.85	1.10E-03	-2.35	1.47E-04

RCSD1	-1.05	1.27E-02	-1.38	1.89E-04
RELL1	2.71	1.44E-04	3.33	1.22E-04
REP15	2.18	5.17E-04	2.77	2.99E-04
RGS2	-1.15	5.96E-03	-1.42	1.20E-04
RGS20	1.21	3.10E-03	1.31	4.32E-04
RNF123	1.15	2.46E-03	1.58	9.43E-05
RNF139	2.99	1.99E-05	3.48	3.07E-05
RNF150	-1.53	2.41E-03	-1.25	1.34E-04
RNF207	4.90	4.01E-05	5.50	1.83E-05
RNF39	1.07	4.58E-02	1.54	4.32E-03
RP11-41O4.1	1.52	6.91E-03	1.98	1.39E-04
RPRM	-1.17	2.02E-02	-1.32	2.23E-03
RUNX1T1	-1.28	4.67E-03	-1.06	3.50E-04
RUNX2	-2.22	3.10E-02	-3.38	3.66E-05
S100A16	1.11	2.30E-03	1.33	8.31E-05
SARS	1.02	3.45E-02	1.36	6.98E-04
SBSN	1.09	2.54E-03	1.13	3.04E-04
SCIN	-1.31	1.74E-02	-1.07	1.65E-02
SEC14L2	1.15	4.61E-03	1.07	9.28E-05
SERPINB7	1.20	3.07E-03	1.82	8.70E-04
SERPINB9	-1.01	5.38E-03	-1.09	1.78E-04
SERPINE1	1.34	6.98E-03	1.98	7.40E-05
SFTA3	-2.05	1.38E-02	-1.98	3.14E-04
SH2D3C	-1.40	3.28E-03	-1.98	3.10E-05
SIRPB2	1.12	1.15E-02	1.40	1.75E-03
SLC1A3	-1.35	7.82E-03	-1.14	7.71E-04
SLC1A7	-1.58	1.82E-02	-2.41	5.87E-04
SLC27A2	-1.70	3.18E-03	-1.69	2.85E-05
SLC27A5	-1.30	1.62E-03	-1.63	6.54E-05
SLC27A6	3.04	3.69E-03	3.78	6.19E-05
SLC29A2	-1.26	1.90E-02	-1.82	2.89E-04
SLC31A1	2.30	2.84E-04	2.91	2.12E-04
SLC38A4	-1.10	6.70E-03	-1.19	6.79E-04
SLC3A1	-1.47	3.30E-03	-1.56	1.06E-03
SLC3A2	1.25	4.49E-02	1.79	5.63E-04
SLC51B	5.62	7.31E-06	5.94	9.20E-06
SLITRK2	-1.17	1.92E-02	-1.29	1.02E-03
SLITRK4	-1.18	8.02E-03	-1.53	4.70E-04
SLITRK6	-1.01	2.98E-02	-1.40	6.83E-04
SNCAIP	-1.22	6.45E-03	-1.15	2.82E-04
SORL1	-1.18	7.49E-03	-1.11	7.08E-04
SOX2	-1.76	6.15E-04	-1.48	1.30E-04
SOX3	-1.41	9.01E-03	-1.48	1.00E-04
SOX4	-1.55	1.14E-03	-1.99	2.78E-05
SPDYA	-1.22	4.47E-02	-1.16	6.48E-03
SPEF2	1.79	4.23E-03	2.54	8.40E-05
SPON2	-1.22	6.95E-03	-1.22	2.44E-04
SREBF1	-1.25	1.21E-03	-1.69	2.03E-05
SRL	5.83	7.29E-06	6.44	7.75E-06
STAC2	-1.63	1.65E-03	-1.65	5.77E-05
STC1	1.11	1.22E-02	1.13	1.47E-03
STC2	1.31	2.10E-02	1.65	1.18E-04
STK39	-1.20	8.05E-03	-1.39	3.04E-04
STX19	3.12	4.16E-04	3.78	4.58E-05
SV2C	1.02	1.93E-02	1.79	4.26E-04
SYCP2	-1.16	2.26E-02	-1.08	8.35E-04
TBCC	2.44	3.16E-04	2.93	5.77E-05
TCRVA15	1.50	1.03E-02	2.22	2.43E-03
TENM2	-1.07	2.72E-03	-1.38	6.19E-05

TEX12	3.61	1.36E-04	4.22	3.88E-05
THSD4	3.13	8.91E-05	3.83	3.08E-05
TLR10	1.18	1.78E-02	1.84	3.67E-04
TM4SF1	1.21	3.18E-03	1.23	1.08E-04
TMEM100	-1.24	1.77E-02	-1.32	1.18E-04
TMEM158	1.25	2.12E-02	1.38	4.09E-04
TMEM255A	-1.12	7.25E-03	-1.30	3.71E-03
TMEM45A	-1.10	4.79E-03	-1.92	1.38E-04
TMOD1	-1.14	4.55E-03	-1.37	1.47E-04
TMSB15A	-1.13	5.94E-03	-1.42	8.20E-04
TNFSF10	1.84	1.76E-02	2.47	1.99E-04
TNFSF4	1.20	9.03E-03	1.46	5.13E-05
TRIM43B	2.97	1.36E-04	3.65	3.37E-05
TRIM48	1.55	2.91E-02	2.73	1.19E-04
TRIM6-TRIM34	5.85	1.31E-05	6.59	1.87E-05
TRIM74	-1.21	4.77E-02	-1.35	4.94E-03
TRIM9	-1.49	3.30E-03	-2.12	1.09E-04
TSPAN12	-1.18	5.59E-03	-1.06	1.15E-03
UBASH3B	1.31	2.44E-03	1.58	5.70E-05
VCX2	2.74	2.42E-03	3.61	2.06E-04
WDFY4	3.82	1.43E-04	4.63	5.21E-05
WWP2	4.15	1.18E-05	4.57	1.25E-05
YARS	1.16	2.60E-02	1.57	1.88E-04
ZBTB16	-1.17	4.81E-03	-1.54	1.76E-04
ZFHX4	-1.07	4.18E-03	-1.15	4.81E-04
ZFP28	3.95	1.89E-05	4.49	1.91E-05
ZFP69B	1.83	1.77E-03	2.25	1.22E-04
ZFPM1	5.00	7.29E-06	5.51	1.72E-05
ZMAT4	-2.37	5.13E-04	-2.78	9.20E-06
ZNF367	4.92	1.18E-05	5.24	9.20E-06
ZNF501	3.04	1.59E-04	3.43	5.29E-05
ZNF502	4.93	1.29E-04	5.63	2.94E-05
ZNF652	-1.02	1.05E-02	-1.28	2.26E-04
ZNF70	1.10	8.02E-03	1.47	2.48E-04
AC006547.14	3.14	2.44E-04	3.78	1.42E-04
AC008060.7	2.86	8.66E-04	3.60	1.91E-05

S6 Table. Co-expression analysis of lncRNAs and associated mRNAs in the comparison of PF vs CT								
lncRNAs (PF vs CT)				Associated mRNAs (PF vs CT)				Relationship
Gene Symbol	Log₂ FC	P	FDR	Gene Symbol	Log₂ FC	P	FDR	
<i>CTD-2168K21.2</i>	-1.74	2.3E-07	3.0E-05	<i>NEFL</i>	-1.53	2.36E-07	3.00E-05	natural antisense
<i>RP1-15D23.2</i>	6.22	2.4E-08	1.1E-05	<i>TNFSF18</i>	1.14	2.52E-06	1.12E-04	intronic antisense
<i>EGFL8</i>	5.45	2.5E-07	3.1E-05	<i>NG3</i>	1.97	3.79E-06	1.39E-04	exon sense-overlapping
<i>G006280</i>	1.53	1.0E-05	2.4E-04	<i>LMOD1</i>	-1.29	1.65E-04	1.46E-03	bidirectional
<i>HAND2-AS1</i>	-2.24	2.8E-07	3.2E-05	<i>HAND2</i>	-1.72	1.07E-06	6.76E-05	bidirectional
<i>G050039</i>	1.14	5.2E-05	6.8E-04	<i>NOL4L</i>	-1.26	2.81E-05	4.68E-04	intronic antisense/natural antisense
<i>LOC101929532</i>	1.05	1.8E-05	3.5E-04	<i>FAP</i>	-1.78	1.04E-06	6.64E-05	natural antisense
<i>G032150</i>	-2.33	4.7E-07	4.3E-05	<i>ATP2C2</i>	-1.22	8.03E-06	2.15E-04	bidirectional
<i>LOC101926889</i>	-1.69	1.1E-05	2.6E-04	<i>ENTPD6</i>	1.42	1.23E-06	7.40E-05	intronic antisense
<i>ZFH4-AS1</i>	-1.15	1.4E-06	8.1E-05	<i>ZFH4</i>	-1.15	2.95E-05	4.81E-04	intronic antisense
<i>LINC00469</i>	-1.15	2.0E-05	3.7E-04	<i>LOC100134391</i>	2.11	1.58E-06	8.59E-05	intronic antisense
<i>CTC-573M9.1</i>	1.71	8.9E-06	2.3E-04	<i>SLC27A6</i>	3.78	9.16E-07	6.19E-05	intron sense-overlapping
<i>ELDR</i>	-1.47	6.3E-07	5.2E-05	<i>EGFR</i>	1.06	2.05E-05	3.80E-04	intronic antisense
<i>G009752</i>	-1.88	7.0E-06	2.0E-04	<i>BICC1</i>	-1.05	7.59E-06	2.07E-04	bidirectional
<i>G068094</i>	-1.39	3.6E-06	1.3E-04	<i>HMGXB3</i>	1.44	3.21E-06	1.26E-04	natural antisense
<i>uc.243</i>	5.81	4.9E-10	2.5E-06	<i>ZFH4</i>	-1.15	2.95E-05	4.81E-04	intron sense-overlapping
<i>G015088</i>	1.18	8.7E-05	9.6E-04	<i>CTSC</i>	1.11	6.36E-06	1.88E-04	bidirectional
<i>LOC400541</i>	1.64	3.3E-05	5.1E-04	<i>PDPR</i>	1.02	5.95E-06	1.82E-04	natural antisense
<i>G008231</i>	-1.29	1.7E-05	3.4E-04	<i>AKR1C1</i>	1.04	3.99E-05	5.77E-04	intronic antisense
<i>CTB-105L4.2</i>	-1.14	1.1E-05	2.6E-04	<i>TENM2</i>	-1.38	9.15E-07	6.19E-05	intronic antisense
<i>G065924</i>	1.25	5.3E-05	6.9E-04	<i>PDE4D</i>	1.09	6.38E-06	1.88E-04	intronic antisense/natural antisense
<i>RP11-116O11.1</i>	1.07	1.1E-05	2.6E-04	<i>CDH10</i>	-1.71	8.40E-07	5.88E-05	intronic antisense
<i>G028013</i>	-1.61	3.2E-05	5.0E-04	<i>CORO2B</i>	1.30	3.93E-06	1.42E-04	intronic antisense
<i>G061979</i>	-1.11	4.2E-04	2.8E-03	<i>SPARCL1</i>	-2.07	1.07E-05	2.54E-04	natural antisense
<i>RP11-234O6.2</i>	-1.49	1.8E-05	3.5E-04	<i>FSTL5</i>	-1.25	3.67E-06	1.36E-04	natural antisense
<i>SYT14P1</i>	4.85	1.7E-07	2.5E-05	<i>TMPRSS11F</i>	1.06	1.72E-05	3.41E-04	intron sense-overlapping
<i>G084979</i>	1.34	4.7E-06	1.6E-04	<i>TRPM3</i>	1.24	5.00E-06	1.65E-04	intronic antisense
<i>G065901</i>	-1.58	1.3E-05	2.8E-04	<i>PDE4D</i>	1.09	6.38E-06	1.88E-04	intronic antisense/natural antisense
<i>G009410</i>	-1.06	5.4E-05	7.1E-04	<i>RASSF4</i>	-1.56	1.34E-06	7.76E-05	natural antisense
<i>G060187</i>	-1.98	7.8E-05	8.9E-04	<i>C1QTNF7</i>	2.40	2.28E-04	1.82E-03	intronic antisense
<i>RP3-455J7.4</i>	1.34	1.6E-04	1.4E-03	<i>RCSD1</i>	-1.38	6.48E-06	1.89E-04	natural antisense
<i>G003975</i>	-1.27	2.6E-05	4.4E-04	<i>SYT6</i>	-1.04	4.45E-05	6.20E-04	intronic antisense/natural antisense
<i>AC062029.1</i>	-1.01	2.7E-04	2.0E-03	<i>EIF2AK3</i>	-1.24	1.22E-06	7.37E-05	natural antisense
<i>AC137932.5</i>	-1.11	1.1E-03	5.7E-03	<i>ANKRD11</i>	1.59	3.40E-06	1.30E-04	intronic antisense
<i>AP000462.3</i>	1.99	3.8E-06	1.4E-04	<i>CADM1</i>	-1.50	1.21E-05	2.73E-04	intronic antisense
<i>RP4-536B24.2</i>	-1.00	2.1E-04	1.7E-03	<i>SLC7A5</i>	1.93	6.71E-06	1.93E-04	natural antisense
<i>G001001</i>	-1.37	2.7E-04	2.0E-03	<i>ECE1</i>	1.11	7.57E-06	2.07E-04	intron sense-overlapping
<i>LINC00235</i>	1.94	1.5E-04	1.4E-03	<i>CAPN15</i>	1.22	6.96E-06	1.97E-04	bidirectional
<i>RP11-43D2.2</i>	-1.15	1.4E-04	1.3E-03	<i>ZNF608</i>	-1.15	7.74E-06	2.09E-04	intronic antisense

G036049	-2.60	1.8E-05	3.5E-04	RPTOR	1.12	9.10E-06	2.31E-04	intronic antisense
AK091275	1.63	4.4E-06	1.5E-04	SORL1	-1.11	5.45E-05	7.08E-04	intronic antisense
RP11-680C21.1	1.05	6.5E-05	7.9E-04	SHISA6	-1.68	1.79E-06	9.18E-05	intron sense-overlapping
RP11-115F18.1	1.10	6.7E-05	8.1E-04	MUC19	-1.98	1.15E-06	7.06E-05	natural antisense
RP11-310H4.1	-1.24	5.8E-06	1.8E-04	VOPP1	1.08	1.93E-03	8.41E-03	bidirectional
G061465	1.09	2.6E-04	2.0E-03	UGT2B11	1.17	7.04E-04	4.03E-03	intron sense-overlapping
ENOX1-AS2	1.26	1.3E-03	6.1E-03	ENOX1	1.13	2.94E-05	4.81E-04	intronic antisense
DLEU7-AS1	-1.03	2.7E-04	2.1E-03	DLEU7	1.06	8.06E-04	4.44E-03	intronic antisense
G004466	1.22	2.7E-04	2.0E-03	LOC388692	1.23	3.25E-06	1.26E-04	bidirectional
TM4SF1-AS1	-1.01	3.7E-04	2.5E-03	TM4SF1	1.23	2.39E-06	1.08E-04	natural antisense
THSD4-AS2	-1.61	7.4E-04	4.2E-03	THSD4	3.83	2.60E-07	3.08E-05	intronic antisense
G026895	1.23	2.9E-05	4.8E-04	FMN1	1.53	1.99E-04	1.66E-03	intronic antisense/natural antisense
RP11-20I20.4	-1.20	3.3E-03	1.3E-02	SPON2	-1.22	1.00E-05	2.44E-04	intronic antisense
G035633	1.46	7.9E-04	4.4E-03	LOC100134391	2.11	1.58E-06	8.59E-05	intronic antisense
ELFN1-AS1	-1.06	3.4E-03	1.3E-02	ELFN1	1.32	7.94E-07	5.73E-05	intronic antisense
LOC101929572	1.27	2.3E-03	9.6E-03	POTEG	1.98	1.21E-04	1.20E-03	natural antisense
G012518	-1.48	4.4E-04	2.9E-03	OVCH2	1.26	1.57E-04	1.41E-03	natural antisense
G008674	-1.45	8.8E-05	9.6E-04	PLXDC2	1.03	1.55E-04	1.40E-03	natural antisense
G082825	-1.30	1.3E-03	6.4E-03	RNF139	3.48	2.58E-07	3.07E-05	bidirectional
MACROD2-AS1	1.25	2.7E-03	1.1E-02	MACROD2	-1.20	2.40E-06	1.09E-04	intronic antisense
RNF139-AS1	-1.07	1.7E-03	7.7E-03	RNF139	3.48	2.58E-07	3.07E-05	bidirectional
uc.350	-2.33	5.3E-04	3.3E-03	DACH1	-1.40	2.39E-03	9.87E-03	intron sense-overlapping
LOC100101148	3.00	3.0E-05	4.9E-04	TRIM74	-1.35	9.32E-04	4.94E-03	bidirectional
RP11-92C4.3	-1.13	3.5E-03	1.3E-02	GALNT12	1.43	9.50E-06	2.38E-04	intronic antisense
RP11-35J23.1	-1.52	6.1E-03	2.0E-02	DNTT	1.21	6.29E-05	7.79E-04	intronic antisense
EGFR-AS1	-1.55	2.4E-03	1.0E-02	EGFR	1.06	2.05E-05	3.80E-04	intronic antisense/natural antisense
G067305	-1.28	6.1E-03	2.0E-02	SNCAIP	-1.15	1.28E-05	2.82E-04	intronic antisense
RP1-149L1.1	-1.32	2.9E-03	1.1E-02	COL9A1	1.57	1.89E-03	8.28E-03	natural antisense
MORF4L2-AS1	-1.07	4.3E-03	1.5E-02	MORF4L2	-1.06	9.55E-05	1.02E-03	natural antisense
G072553	-1.28	1.1E-02	3.1E-02	FYN	1.08	4.06E-05	5.83E-04	natural antisense
GS1-594A7.3	1.31	4.1E-04	2.7E-03	ACE2	-1.16	2.91E-03	1.14E-02	bidirectional
G064124	-1.15	3.4E-04	2.4E-03	SORBS2	1.18	6.76E-04	3.91E-03	intronic antisense