

Agilent Probe	entrezid	symbol	direction	median_young	median_ol d
A_23_P19095	28966	SNX24	-1	-1.02775	-0.392
A_24_P933580	89797	NAV2	-1	0.3922 1.483	
A_24_P23445	NA	NA	1	0.807 0.112	
A_23_P123608	3717	JAK2	-1	0.225 0.87	
A_23_P77572	8663	EI F3C	1	-0.27375	-0.96
A_32_P112331	5337	PLD1	-1	-1.58475	-0.696
A_23_P126836	7292	TNFSF4	-1	-1.402 -0.667	
A_24_P3005	6335	SCN9A	-1	-0.064 0.83	
A_23_P87952	6660	SOX5	-1	-0.5915 0.131	
A_23_P412707	122616	C14orf79	1	0.0665	-0.785
A_32_P358264	149351	LOC149351	-1	-0.6275	-0.031
A_23_P134484	799	CALCR	-1	-4.0505 -1.977	
A_32_P17765	55366	LGR4	1	1.055 0.139	
A_24_P918436	1454	CSNK1E	1	0.65 -0.091	
A_23_P47148	50507	NOX4	-1	-0.0505 1.787	
A_23_P136573	8869	ST3GAL5	-1	-0.31 0.224	
A_23_P161595	2011	MARK2	1	0.4415 -0.31	
A_23_P354694	8840	WISP1	-1	-1.0305 -0.441	
A_24_P102082	5136	PDE1A	-1	-0.214 0.7585	
A_24_P97465	1154	CISH	1	0.245 -0.3689	
A_24_P921232	5195	PEX14	-1	-0.122 0.493	
A_23_P164057	4239	MFAP4	-1	1.3775 2.125	
A_24_P208825	4585	MUC4	1	0.575277778	-0.411
A_24_P739344	50507	NOX4	-1	0.231 1.804	
A_24_P145629	347735	SERINC2	1	0.213 -0.661	
A_23_P113005	1942	EFNA1	1	0.6565 0.061	
A_23_P88249	55147	RBM23	1	0.079222222	-0.6122
A_32_P71788	2288	FKBP4	1	-1.34325	-2.371
A_23_P206169	146057	TTBK2	-1	-0.9235 -0.35	
A_23_P27279	23327	NEDD4L	1	-1.1455 -1.7405	
A_23_P44836	64943	NT5DC2	1	-0.893 -1.974	
A_24_P916927	8526	DGKE	-1	-1.217 -0.612	
A_24_P32920	286467	LOC286467	1	-0.5945	-1.086
A_23_P79272	5136	PDE1A	-1	-0.256 0.845	
A_24_P321581	55089	SLC38A4	-1	-1.913 -1.3755	
A_23_P123732	414328	C9orf103	-1	1.14065	1.74
A_24_P49731	4801	NFYB	-1	-1.019 -0.312	
A_23_P112634	201895	C4orf34	-1	-0.1835 0.306	
A_23_P61778	64359	NXN	1	0.553 -0.657	
A_23_P17095	7035	TFPI	-1	-0.738 0.057	
A_23_P43095	79776	ZFHX4	-1	1.8285 2.279	
A_24_P110967	115294	PCMTD1	-1	1.59671875	2.1
A_23_P371284	353141	LCE2D	1	1.4675 0.755	
A_23_P57961	5364	PLXNB1	1	0.733 -0.326	
A_23_P419602	6721	SREBF2	1	-0.6575 -1.27	
A_23_P77073	84888	SPPL2A	-1	-0.8145 -0.014	
A_24_P102283	9839	ZEB2	-1	1.0375 2.285	
A_24_P203056	605	BCL7A	1	0.1415 -0.463	
A_23_P140725	9742	IFT140	1	0.352 -0.1805	
A_23_P117635	4287	ATXN3	-1	0.0845 0.61	
A_23_P105923	1735	DI O3	-1	0.742 1.766	
A_23_P200325	9910	RABGAP1L	-1	0.735	1.37
A_23_P85004	1730	DI APH2	-1	0.355 0.983	
A_24_P353300	3985	LI MK2	1	0.469 -0.135	
A_24_P410453	23345	SYNE1	-1	1.4745 2.287	
A_32_P49844	23433	RHOQ	-1	1.883 2.61	
A_23_P387856	23327	NEDD4L	1	-1.0865 -1.532	
A_24_P263259	317762	CCDC85C	1	-0.955 -1.839	
A_32_P38145	11252	PACSI N2	1	0.2835 -0.563	
A_32_P532216	5859	QARS	1	0.0655 -0.3925	
A_24_P84668	27145	FILIP1	-1	2.87 3.739	
A_23_P89910	79760	GEMIN7	1	-0.458 -0.919	

		Suppl emental Tabl e1			
A_24_P264994	100129397	LOC100129397	-1	0.5575	2.123
A_32_P129419	79664	NARG2	-1	0.1545	0.778
A_24_P94034	23326	USP22	1	-0.370277778	-1.117
A_23_P7596	4651	MY010	1	-1.1245	-1.828
A_23_P35030	54973	CPSF3L	1	0.3475	-0.223
A_23_P311869	8869	ST3GAL5	-1	-0.324	0.144
A_23_P38567	92521	SPECC1	-1	-0.83	0.243
A_23_P22460	331	XIAP	-1	-0.01055	0.7955
A_24_P211558	23598	PATZ1	1	0.376	-0.573
A_23_P112289	7111	TMOD1	-1	-0.128	0.6365
A_23_P39088	NA	NA	1	-1.236	-1.903
A_32_P75581	27319	BHLHE22	-1	2.81	3.74
A_24_P343271	55005	RMND1	-1	-0.7555	-0.204
A_23_P112548	81932	HDHD3	1	0.44	-0.106
A_23_P304287	5701	PSMC2	-1	-0.9395	-0.266
A_23_P102611	8839	WI SP2	-1	0.6	1.915
A_23_P26810	7157	TP53	1	-0.16	-0.97
A_24_P208442	5136	PDE1A	-1	-0.556875	0.598
A_23_P80377	11252	PACSI N2	1	0.15	-0.663
A_24_P911676	6659	SOX4	1	0.095	-1.144
A_24_P200603	84105	PCBD2	-1	-0.85	-0.197
A_23_P56170	10025	MED16	1	0.0155	-0.832
A_23_P213745	9547	CXCL14	-1	3.0275	4.114
A_23_P168479	5898	RALA	-1	-0.547	-0.007
A_23_P81507	2196	FAT2	1	1.1895	0.24
A_24_P193435	7082	TJP1	-1	1.2495	1.684
A_23_P129031	4287	ATXN3	-1	-1.335	-0.631
A_23_P378526	51750	RTEL1	1	-0.4205	-0.953
A_23_P55342	1856	DVL2	1	-0.252	-0.6505
A_24_P521409	6198	RPS6KB1	-1	-2.117	-1.496
A_24_P516215	28987	NOB1	1	-0.85825	-1.455
A_24_P212851	6597	SMARCA4	1	-1.29325	-1.97
A_24_P340428	23200	ATP11B	-1	-0.50125	0.124
A_23_P71790	158056	MAMDC4	1	-0.148	-0.631
A_23_P56494	151258	SLC38A11	-1	-0.62825	0.184
A_23_P27265	92126	DSEL	-1	-0.621	0.229
A_24_P49199	342035	GLDN	-1	2.3655	3.368
A_23_P345692	53342	IL17D	-1	0.4765	1.189
A_24_P140405	9508	ADAMTS3	-1	-0.937	0.023
A_32_P119033	345557	PLCXD3	-1	2.025055556	2.861
A_24_P300021	6474	SHOX2	-1	-0.0305	0.833
A_32_P12232	54796	BNC2	-1	0.0485	0.731
A_24_P511877	647121	EMBP1	-1	-1.3525	0.138
A_32_P163125	259230	SGMS1	-1	0.2715	1.133
A_23_P77818	10476	ATP5H	-1	-0.207	0.213333333
A_23_P50942	22930	RAB3GAP1	-1	-1	0.21225
A_23_P121722	55714	ODZ3	-1	-0.7925	0.497
A_24_P367289	780	DDR1	1	0.061	-1.342
A_23_P136135	1119	CHKA	1	-0.7805	-1.438
A_23_P149545	8349	HIST2H2BE	1	-1.1235	-1.7
A_23_P36928	51082	POLR1D	1	-0.9275	-1.442
A_23_P134426	10457	GPNMB	-1	0.462	1.497
A_24_P157388	55573	CDV3	-1	-0.54775	0.3789
A_23_P16139	10523	CHERP	1	-0.2985	-0.8375
A_23_P218817	1375	CPT1B	1	0.771	0.198
A_23_P363255	80323	CCDC68	-1	0.294	1.206
A_23_P320739	4208	MEF2C	-1	1.32	2.148
A_23_P257609	6159	RPL29	1	-0.0495	-0.522
A_24_P376441	27097	TAF5L	-1	-0.9975	-0.45785
A_24_P337700	8876	VNN1	-1	-0.8985	0.596
A_32_P195387	286144	C8orf83	-1	-1.4405	-0.858
A_23_P120354	65124	ANKRD57	1	0.3725	-0.056
A_23_P153197	7050	TGIF1	1	-0.233	-0.77

Suppl emental Tabl e1

A_23_P402899	162394	SLFN5	-1	1.06375	1.602	
A_24_P177631	79649	MAP7D3	-1	0.3245	0.814	
A_23_P258862	27250	PDCD4	1	2.0715	1.357	
A_24_P795371	644192	LOC644192		-1	-0.577	-0.067
A_24_P207195	79191	IRX3	1	1.2635	0.459	
A_23_P106720	10607	TBL3	1	-0.6695	-1.438	
A_23_P85990	80143	SIKE1	-1	-0.505	-0.033	
A_32_P136295	2788	GNG7	1	1.831	0.684	
A_24_P91852	6990	DYNLT3	-1	-0.692	0.019	
A_24_P120907	5239	PGM5	-1	2.168	2.774	
A_23_P218456	3609	ILF3	1	-0.6415	-1.108	
A_23_P158406	5144	PDE4D	-1	-0.088	0.937	
A_24_P36745	159013	CXorf38	-1	-1.15875		-0.533
A_23_P376870	122616	C14orf79		1	-0.0355	-0.8085
A_23_P116376	79869	CPSF7	1	-0.328	-0.98	
A_23_P383060	8884	SLC5A6	1	0.2635	-0.282	
A_23_P142697	9654	TTLL4	1	-0.789	-1.505	
A_23_P128215	8835	SOCS2	-1	-0.16675		0.096
A_23_P14174	10673	TNFSF13B		-1	1.3255	2.433
A_23_P202	2060	EPS15	-1	0.470025		1.1575
A_24_P227617	91612	CHURC1	-1	0.28825	0.817	
A_32_P117016	160428	ALDH1L2	-1	0.3195	1.199	
A_32_P177024	51119	SBDS	-1	0.182	0.984	
A_23_P142560	9839	ZEB2	-1	2.58675	3.449	
A_23_P169112	29894	CPSF1	1	-0.2875	-1.17	
A_23_P255672	84448	ABLIM2	-1	1.318	2.326	
A_23_P106024	3714	JAG2	1	1.5995	0.872	
A_23_P320553	8541	PPFIA3	1	-0.751	-1.43	
A_23_P22625	10479	SLC9A6	-1	-0.395277778		0.206
A_24_P190168	27346	TMEM97	1	-1.711	-2.396	
A_23_P141730	1829	DSG2	1	0.457	-0.277	
A_24_P270496	4857	NOVA1	-1	0.7025	1.364	
A_23_P23855	84265	POLR3GL	-1	0.8535	1.318888889	
A_23_P206474	84231	TRAF7	1	-0.477	-0.943	
A_23_P86653	5552	SRGN	-1	1.2555	1.999	
A_23_P156880	5167	ENPP1	-1	-0.5165	0.044	
A_24_P208436	5136	PDE1A	-1	-0.44705		0.7153
A_23_P168974	6386	SDCBP	-1	0.484	1.419	
A_24_P21715	5883	RAD9A	1	0.0215	-0.468	
A_23_P68824	6598	SMARCB1	1	-0.7395	-1.325	
A_23_P44291	10491	CRTAP	-1	0.6815	1.451	
A_32_P116271	404201	WDFY3-AS2		-1	-0.076	0.519
A_23_P69699	4886	NPY1R	-1	2.131	3.262	
A_23_P59358	285753	CEP57L1	-1	-1.17	-0.608	
A_24_P60887	284	ANGPT1	-1	0.543	1.73	
A_24_P87763	1938	EEF2	1	0.384675		-0.274
A_24_P402847	1182	CLCN3	-1	0.6975	1.234	
A_24_P330234	5412	UBL3	-1	0.3285	0.977	
A_23_P66813	51547	SIRT7	1	-0.2065	-0.788	
A_23_P109606	6305	SBF1	1	-0.264	-0.4598	
A_24_P188231	54873	PALMD	-1	3.92525	4.332	
A_24_P917650	27235	COQ2	-1	-1.5745	-0.9135	
A_24_P378368	8720	MBTPS1	1	-0.388	-1.082	
A_23_P163622	64400	AKTIP	-1	0.3925	1.304	
A_24_P50437	NA	NA	1	-0.0685	-0.766	
A_24_P503710	727910	TLCD2	-1	2.724	3.47	
A_23_P144096	1154	CISH	1	1.177	0.247	
A_32_P158966	51348	KLRF1	-1	1.3755	2.139	
A_24_P254949	5239	PGM5	-1	2.0985	2.975	
A_23_P87827	84747	UNC119B	1	0.2655	-0.37	
A_23_P162746	51084	CRYL1	-1	0.184	0.796	
A_24_P100613	284217	LAMA1	1	-1.46675		-2.281
A_23_P76914	6495	SIX1	-1	-0.3075	1.009428571	

Suppl emental Tabl e1

A_23_P9392	51490	C9orf114	1	-0.4465	-1.206
A_23_P12733	55506	H2AFY2	1	0.097	-0.771
A_32_P213103	4094	MAF	-1	0.79225	1.65
A_23_P255345	8876	VNN1	-1	-0.48275	0.915
A_24_P456452	9444	QKI	-1	0.791	1.831
A_24_P202139	51108	METTL9	1	-0.107	-0.666
A_23_P104641	738	C11orf2	1	1.13275	0.67
A_23_P147166	55799	CACNA2D3	-1	-0.207	0.595
A_32_P36192	7919	DDX39B	1	0.1895	-0.431
A_24_P65292	30812	SOX8	1	1.19975	0.164
A_32_P123771	514	ATP5E	-1	-0.4485	-0.069
A_23_P125643	140462	ASB9	-1	-1.181	-0.895
A_24_P399009	23644	EDC4	1	-0.35825	-0.861
A_23_P28730	57473	ZNF512B	1	-0.151925	-0.6805
A_23_P168532	6624	FSCN1	1	-1.07475	-2.083666667
A_32_P117354	22998	LIMCH1	-1	2.0645	2.665
A_32_P198325	388886	C22orf36	1	1.228	0.209
A_23_P158239	6472	SHMT2	1	-1.6046	-2.208
A_23_P408249	5105	PCK1	-1	1.6595	3.091
A_23_P71148	644	BLVRA	-1	-0.1115	0.492
A_23_P60296	26578	OSTF1	-1	-0.22	0.353
A_23_P214638	10919	EHMT2	1	-0.2295	-0.77
A_23_P5131	51477	ISYNA1	1	-0.149625	-0.921
A_23_P75769	51338	MS4A4A	-1	0.991	2.972
A_23_P45011	81706	PPP1R14C	1	-0.7125	-2.427
A_32_P222857	27316	RBMX	1	-0.5205	-0.987
A_23_P428080	22833	KIAA0894	-1	2.3695	3.6869
A_23_P41734	55819	RNF130	-1	1.3455	2.071
A_23_P200160	3075	CFH	-1	2.442	3.302
A_24_P100605	57186	RALGAPA2	-1	0.9375	1.653
A_24_P229536	NA	NA	-1	1.8705	2.301
A_32_P74615	389058	SP5	1	1.632	0.2085
A_23_P109304	6526	SLC5A3	-1	-0.7715	-0.162
A_23_P300600	4744	NEFH	1	-1.524	-2.609
A_23_P52227	2662	GDF10	-1	3.948	4.659
A_24_P935986	586	BCAT1	-1	-3.6875	-2.471444444
A_23_P19243	55389	AKIRIN2-AS1	-1	-0.2459	0.611
A_23_P99771	9240	PNMA1	-1	0.2315	0.883
A_24_P362540	8853	ASAP2	-1	0.262	0.803
A_32_P119616	2108	ETFA	-1	-0.8965	-0.2835
A_23_P106822	28987	NOB1	1	-0.6735	-1.333
A_23_P212617	7037	TFRC	-1	-2.91	-2.11
A_23_P100263	80790	CMIP	1	1.593	0.252
A_23_P103981	723790	HIST2H2AA4	1	-1.6008	-2.193
A_23_P141329	6198	RPS6KB1	-1	-1.502	-0.964
A_23_P371495	83857	TMTC1	-1	1.8575	2.506
A_32_P79190	375010	LOC375010	-1	-0.1175	0.54
A_23_P76480	9976	CLEC2B	-1	0.452	1.4306
A_23_P311010	10251	SPRY3	-1	1.34175	2.013
A_23_P334955	83648	FAM167A	1	-2.4275	-3.0445
A_23_P87310	4004	LMO1	-1	-1.7895	-1.1365
A_24_P259328	142678	MI B2	1	0.667	0.048
A_23_P402936	8499	PPF1A2	-1	0.5065	1.334
A_23_P301984	157773	C8orf48	-1	0.253	0.869
A_32_P146815	4257	MGST1	-1	0.6195	1.529
A_23_P328642	151254	ALS2CR11	-1	0.0195	0.432
A_32_P391586	201134	CEP112	-1	0.8155	1.308
A_23_P41716	10399	GNB2L1	1	-0.2275	-0.7655
A_23_P50455	5424	POLD1	1	-1.541	-2.127
A_23_P29257	3005	H1FO	1	0.7725	-0.2875
A_32_P62342	283464	GXYLT1	-1	-1.4825	-0.885
A_23_P9932	27250	PDCD4	1	0.877	0.446
A_24_P156501	1879	EBF1	-1	4.1855	4.624

Suppl emental Tabl e1

A_24_P46357	4651	MYO10	1	-1.274	-1.936		
A_23_P50426	25959	KANK2	-1	1.182	1.711		
A_23_P203947	1663	DDX11	1	-0.73	-1.191		
A_32_P162004	6159	RPL29	1	0.016	-0.3845		
A_24_P92952	8289	ARID1A	1	0.025	-0.319		
A_23_P257694	9569	GTF2IRD1	1	1	-0.7365	-1.2725	
A_23_P337934	54751	FBLIM1	1	0.4485	-0.095		
A_24_P937325	121512	FGD4	-1	0.0705	1.559		
A_23_P29499	1499	CTNNB1	1	0.2405	-0.215		
A_23_P66891	23580	CDC42EP4	1	1	1.36475	0.573	
A_24_P925186	6660	SOX5	-1	-1.1595	-0.4202		
A_23_P209394	8837	CFLAR	-1	0.3215	1.075		
A_23_P417148	10743	RAI1	1	0.21975	-0.476		
A_23_P102508	8884	SLC5A6	1	0.372	-0.274		
A_23_P55421	57332	CBX8	1	-0.4785	-1.126		
A_23_P166087	9770	RASSF2	-1	1.007	1.77		
A_24_P76158	139818	DOCK11	-1	1.5235	2.881		
A_23_P131375	130814	PQLC3	-1	0.6935	1.7		
A_23_P144916	9945	GFPT2	-1	0.067	0.812		
A_23_P96087	8971	H1FX	1	-0.049	-0.922		
A_23_P112726	6335	SCN9A	-1	-0.6915	0.836		
A_24_P267592	25939	SAMHD1	-1	0.9295	1.5785		
A_23_P114670	27237	ARHGEF16	1	1	-0.051	-0.539	
A_24_P216313	51614	ERGIC3	1	-0.2895	-0.8669		
A_23_P91095	940	CD28	-1	-3.112	-1.21		
A_23_P353014	93589	CACNA2D4	-1	-1	-0.6285	0.095	
A_24_P246552	10490	VTI1B	-1	0.1815	0.916		
A_23_P44088	100289410	MCF2L-AS1	1	1	0.8595	-0.493	
A_23_P310560	131870	NUDT16	-1	1.137	1.745		
A_23_P43940	57188	ADAMTSL3	-1	-1	2.97975	3.572	
A_23_P385322	57559	STAMBPL1	-1	-1	-1.615	-0.962	
A_23_P99386	8600	TNFSF11	1	2.239	0.209		
A_23_P71570	116039	OSR2	-1	-0.509	0.682		
A_23_P126398	9869	SETDB1	1	-0.27125		-0.767	
A_23_P356554	9532	BAG2	-1	-2.3375	-1.728		
A_24_P278637	8772	FADD	1	-0.781	-1.2505		
A_23_P200801	9659	PDE4DI P	-1	0.099	0.884		
A_24_P648176	144363	LYRM5	-1	0.5405	1.234		
A_23_P317591	10371	SEMA3A	-1	-2.423	-0.846		
A_32_P223935	554203	JPX	-1	-0.1	0.27		
A_23_P59045	3012	HIST1H2AE	1	1	-1.558	-2.035	
A_23_P132845	1181	CLCN2	1	-0.73125		-1.325	
A_23_P204998	10160	FARP1	1	-0.057	-0.514		
A_23_P118544	1213	CLTC	-1	-1.1205	-0.574		
A_23_P66872	50628	GEMIN4	1	-0.279	-0.954		
A_23_P99253	8825	LIN7A	-1	-1.1865	-0.745		
A_23_P26476	84219	WDR24	1	-0.176	-0.741		
A_32_P147622	100289410	MCF2L-AS1	1	1	0.9	-0.502	
A_23_P336083	22902	RUFY3	-1	0.552	0.939		
A_24_P221385	84288	EFCAB2	1	1.504	0.472		
A_23_P397455	130399	ACVR1C	-1	4.919	5.617		
A_24_P192301	10371	SEMA3A	-1	-2.124	-0.55		
A_23_P131435	9936	CD302	-1	1.123	1.784		
A_23_P138635	664	BNI P3	-1	-1.563	-0.71		
A_23_P216610	64420	SUSD1	-1	-0.2925	0.581888889		
A_24_P28722	91543	RSAD2	-1	1.9535	2.83		
A_23_P73702	9968	MED12	1	-0.0295	-0.65		
A_24_P307974	129685	TAF8	-1	-0.343944444		0.318	
A_23_P251132	54221	SNTG2	-1	2.342	2.914		
A_24_P904903	7919	DDX39B	1	-0.4065	-0.856		
A_23_P162120	4926	NUMA1	1	0.60925	-0.262		
A_23_P4308	5338	PLD2	1	0.5185	0.246		
A_24_P801451	10919	EHMT2	1	-0.7045	-1.108		

Suppl emental Tabl e1

A_24_P255218	4644	MY05A	-1	-1.08	-0.373	
A_23_P26759	124583	CANT1	1	-0.4715	-0.981	
A_23_P154025	6741	SSB	-1	-0.857	-0.299627778	
A_24_P316430	4907	NT5E	-1	-1.760444444	-1.132	
A_24_P469255	NA	NA	-1	0.0515	0.871	
A_23_P105461	1240	CMKLR1	-1	1.7785	3.765	
A_23_P397376	4094	MAF	-1	0.421	1.1095	
A_23_P19348	9820	CUL7	1	-0.1965	-0.769	
A_32_P224840	64400	AKTIP	-1	0.249	1.166	
A_32_P118847	441094	FLJ42709	-1	-1	0.1655	1.097
A_24_P25137	1131	CHRM3	1	-0.61595	-1.288666667	
A_23_P140384	1511	CTSG	-1	1.91	3.325	
A_24_P374154	10291	SF3A1	1	-0.09195	-0.642	
A_23_P69218	55831	TMEM111	-1	0.4320625	0.887	
A_24_P371281	80723	TMEM22	-1	0.6765	1.444	
A_23_P252681	5130	PCYT1A	-1	-0.2508	0.217	
A_23_P151459	23077	MYCBP2	-1	1.1295	1.751	
A_23_P373100	158295	MGC24103	-1	-1	-0.1765	1.028
A_23_P338912	22822	PHLDA1	1	-1.0615	-2.0355	
A_24_P347447	23002	DAAM1	-1	0.906	1.495	
A_23_P17287	285148	IAH1	-1	0.309	0.768	
A_23_P122052	493869	GPX8	-1	-1.54	-1.06	
A_24_P381441	55885	LMO3	-1	2.3765	4.059	
A_23_P105794	94240	EPSTI1	-1	-0.2415	0.315	
A_23_P35725	63982	ANO3	-1	2.272	4.073	
A_23_P8513	29887	SNX10	-1	-1.109	0.826	
A_23_P141779	30827	CXXC1	1	0.04071875	-0.718	
A_24_P322474	5141	PDE4A	-1	0.9105	1.497	
A_24_P68631	317772	HIST2H2AB	1	-1.271	-1.811	
A_23_P45456	1193	CLIC2	-1	0.319	1.386	
A_23_P103496	115361	GBP4	-1	3.571	4.211	
A_23_P406448	51209	RAB9B	-1	-0.3605	0.142	
A_23_P54622	3835	KIF22	1	-1.952	-2.267	
A_23_P213678	5066	PAM	-1	0.235	1.101	
A_23_P142574	116255	MOGAT1	-1	1.735	2.409	
A_23_P23234	84719	LINC00260	-1	-1	0.16	1.118
A_23_P27744	23403	FBX046	1	0.5195	-0.061	
A_23_P331670	5834	PYGB	1	0.507	-0.326	
A_23_P50456	5424	POLD1	1	-1.474	-1.878	
A_23_P6802	9136	RRP9	1	-0.227	-0.858	
A_24_P136182	256355	RPS2P32	1	-0.74125	-1.438	
A_23_P56894	57404	CYP20A1	-1	-0.5405	0.025	
A_23_P35970	2542	SLC37A4	1	-0.758	-1.12	
A_23_P53588	81029	WNT5B	1	-0.428678571	-1.015	
A_23_P113417	80233	C17orf70	1	1	0.14	-0.502
A_23_P142421	9757	MLL4	1	0.0515	-0.489	
A_23_P887	9641	IKBKE	1	-0.303275	-1.0769	
A_24_P392486	339344	MYPOP	1	1.313	0.294	
A_24_P190804	8905	AP1S2	-1	-1.153	-0.371	
A_24_P355464	2662	GDF10	-1	2.468	3.2735	
A_23_P213857	730	C7	-1	1.6685	2.627	
A_23_P148047	5734	PTGER4	-1	1.946	2.446	
A_23_P142918	205327	C2orf69	-1	-0.89575	-0.222	
A_23_P24515	38	ACAT1	-1	0.146	1.056	
A_23_P214139	5980	REV3L	-1	0.0955	0.727	
A_32_P131640	139065	SLITRK4	-1	0.7315	1.401	
A_23_P41194	151827	LRRC34	-1	-0.1445	1.024	
A_32_P188953	NA	NA	-1	1.915	2.477	
A_23_P87879	969	CD69	-1	-2.3575	-1.345	
A_24_P413437	4841	NONO	1	-1.292	-1.776	
A_23_P60405	64794	DDX31	1	-0.8745	-1.468	
A_24_P119141	5627	PROS1	-1	0.781	1.181	
A_23_P68922	85377	MI CALL1	1	-0.418	-0.897	

Suppl emental Tabl e1

A_24_P4054	7205	TRIP6	1	0.3555	-0.388		
A_24_P379223	51278	IER5	1	1.7865	0.365		
A_23_P149281	1969	EPHA2	1	-0.21	-1.154		
A_32_P132317	151556	GPR155	-1	0.319	1.512		
A_23_P13820	6579	SLC01A2	1	-0.27	-1.168		
A_24_P940115	10395	DLC1	-1	1.766	2.49		
A_23_P12549	54518	APBB1IP	-1	1.7985	2.986		
A_23_P215175	10061	ABCF2	1	-0.6165	-1.353		
A_23_P41143	327	APEH	1	-0.605	-1.326		
A_23_P24716	54972	TMEM132A	1		-0.984	-1.685	
A_23_P121926	6414	SEPP1	-1	1.649166667		2.557	
A_24_P364296	2054	STX2	-1	-0.0715	0.51		
A_32_P158746	6139	RPL17	1	0.0205	-0.51		
A_23_P109655	80723	TMEM22	-1	0.789	1.533		
A_23_P423237	6445	SGCG	-1	0.194	1.944		
A_23_P162970	79711	IPO4	1	-0.7595	-1.434		
A_24_P677525	23654	PLXNB2	1	0.499	-0.198		
A_23_P111171	8705	B3GALT4	-1	2.113625		2.872	
A_24_P191781	25849	PARM1	-1	3.5315	4.177		
A_23_P307940	830	CAPZA2	-1	-0.5245	0.242		
A_23_P131887	6666	SOX12	1	-1.0465	-2.033		
A_23_P114740	3075	CFH	-1	2.7025	3.5138		
A_24_P151464	6647	SOD1	-1	-0.3	0.26		
A_23_P256663	8484	GALR3	1	1.3055	0.466		
A_23_P96965	81493	SYNC	-1	-0.256	0.87		
A_23_P873	9473	C1orf38	-1	0.8155	1.865		
A_32_P206541	647121	EMBP1	-1	-1.0525	0.3725		
A_23_P93321	6941	TCF19	1	-1.2135	-1.8165		
A_24_P604851	23002	DAAM1	-1	0.871583333		1.387	
A_32_P193646	27316	RBMX	1	-0.5685	-0.965		
A_24_P269619	1666	DECR1	-1	0.5725	1.203		
A_23_P58557	206338	AQPEP	-1	3.9544375		5.424	
A_23_P79978	57419	SLC24A3	-1	1.787	2.622		
A_23_P30338	902	CCNH	-1	-0.4595	0.2115		
A_23_P144348	9353	SLIT2	-1	2.555	3.099		
A_24_P194886	23301	EHBP1	-1	0.98085	1.483		
A_23_P327451	4883	NPR3	-1	1.26375	2.775		
A_23_P308519	9368	SLC9A3R1	1		-1.001	-1.811	
A_24_P326491	283078	MKX	-1	0.2455	1.28		
A_23_P320478	80154	AGSK1	1	-0.92	-2.0055		
A_24_P943815	8228	PNPLA4	-1	2.3685	2.95		
A_23_P142634	29081	METTL5	-1	-0.47225		-0.0335	
A_24_P211797	130026	ICA1L	-1	-1.06725		-0.482	
A_24_P213354	NA	NA	1	0.0185	-0.754		
A_23_P156087	2690	GHR	-1	4.8385	5.43		
A_32_P128572	57708	MIER1	-1	-0.5215	0.046		
A_23_P11713	NA	NA	-1	0.063	0.478		
A_23_P366253	23598	PATZ1	1	0.6445	0.147		
A_32_P140898	3344	FOXN2	-1	0.7995	1.243		
A_24_P106057	116211	TM4SF19	-1	0.314	1.177		
A_23_P70719	3908	LAMA2	-1	4.3705	5.0665		
A_24_P542291	NA	NA	1	1.3035	0.026		
A_24_P269101	4762	NEUROG1	1	1.4045	0.533		
A_23_P396858	8325	FZD8	1	0.123	-0.419		
A_24_P187799	79974	C7orf58	-1	-0.589	0.638		
A_23_P103503	4194	MDM4	-1	-0.394	0.2		
A_23_P8754	10157	AASS	-1	-0.1025	0.418		
A_23_P126689	27005	USP21	1	-0.045	-0.687		
A_32_P106615	9353	SLIT2	-1	2.7065	3.437		
A_23_P57236	2686	GGT7	1	0.3565	-0.664		
A_24_P413941	205327	C2orf69	-1	-0.109	0.355		
A_24_P98210	22797	TFEC	-1	1.31775	2.413		
A_24_P934135	100129406	LOC100129406	-1			0.596	1.904

Suppl emental Tabl e1

A_23_P25293	9918	NCAPD2	1	-2.045	-2.467	
A_24_P942481	160897	GPR180	-1	-0.457	0.432	
A_24_P171549	83879	CDCA7	1	-4.00025		-4.694
A_24_P170454	9098	USP6	-1	-2.00175		-1.432
A_32_P116857	50940	PDE11A	-1	0.9635	2.248	
A_23_P171054	2002	ELK1	1	-0.63	-1.116	
A_23_P38987	4849	CNOT3	1	0.00125	-0.63	
A_24_P277211	3269	HRH1	-1	-0.2975	0.589	
A_23_P375524	353134	LCE1D	1	1.6275	0.416	
A_32_P48842	644538	CXorf69	-1	-0.88	-0.315	
A_24_P201702	9976	CLEC2B	-1	0.285	1.264	
A_24_P787947	388403	YPEL2	-1	2.49875	2.953777778	
A_23_P146885	2837	UTS2R	1	1.757	0.745	
A_24_P98109	29887	SNX10	-1	-1.559	0.581	
A_23_P302654	55722	CEP72	1	-1.601	-2.019	
A_24_P276947	10097	ACTR2	-1	-0.812	-0.472	
A_23_P250866	81628	TSC22D4	1	0.2305	-0.489	
A_24_P14731	27344	PCSK1N	1	1.5105	0.1	
A_24_P117528	5634	PRPS2	1	-1.3125	-1.939	
A_23_P25964	2581	GALC	-1	0.8495	1.592	
A_23_P207280	10513	APPBP2	-1	-0.7285	-0.118	
A_32_P167396	NA	NA	-1	0.892	1.862	
A_32_P220472	54469	ZFAND6	-1	0.258	0.756	
A_23_P140527	27023	FOXB1	1	1.1115	0.327	
A_23_P422083	55529	TMEM55A	-1	0.2595	0.976	
A_23_P117662	3067	HDC	-1	2.255	3.69	
A_24_P57367	191	AHCY	1	-1.461	-2.315	
A_23_P131096	5442	POLRMT	1	-0.02535		-0.55
A_32_P36694	221895	JAZF1	-1	0.9479	1.598	
A_23_P306964	55752	11-Sep	-1	-0.235	0.517	
A_23_P132595	9686	VGLL4	1	0.762	0.128	
A_24_P263956	552889	ATXN7L3B	1	1	0.7	0.225
A_23_P115105	26099	C1orf144	-1	-1	0.0655	0.687
A_23_P399201	7117	TMSL3	-1	0.8415	1.305	
A_23_P66719	147015	DHRS13	1	-1.08375		-1.788
A_23_P425925	125113	KRT222	-1	1.5519	2.285	
A_23_P254165	10742	RAI2	-1	3.6475	4.157	
A_23_P100355	5531	PPP4C	1	-1.03835		-1.488
A_24_P383480	5627	PROS1	-1	0.1225	0.632	
A_23_P426663	4286	MITF	-1	-1.706	-0.532	
A_24_P74981	23028	KDM1A	1	-0.8415	-1.34	
A_23_P397978	285966	FAM115C	1	0.13	-0.4195	
A_24_P272352	NA	NA	-1	-0.8315	-0.34	
A_23_P211445	3985	LIMK2	1	1.3285	0.472	
A_32_P66843	100170765	C19orf69	-1	-1		-1.5925 -0.78
A_23_P84154	55843	ARHGAP15	-1	-0.315		0.528
A_24_P236799	11031	RAB31	-1	-0.6013333333		0.116
A_23_P408215	197335	WDR90	1	-0.199	-0.715	
A_23_P151415	84056	KATNAL1	-1	0.42975	0.957	
A_24_P203678	38	ACAT1	-1	0.0645	1.007	
A_23_P131825	7125	TNNC2	-1	1.9005	2.464	
A_23_P209347	91526	ANKRD44	-1	-0.9495	-0.24	
A_24_P133584	4240	MFGE8	1	1.2205	0.474	
A_23_P117654	4644	MYO5A	-1	-1.1315	-0.577	
A_23_P304450	2627	GATA6	-1	0.1175	0.727	
A_23_P8801	1577	CYP3A5	-1	-1.047	0.105	
A_32_P97489	7534	YWHAZ	-1	-0.8465	-0.091	
A_23_P138885	387758	FIBIN	-1	1.0795	2.372	
A_23_P31097	28962	OSTM1	-1	-1.109	0.017	
A_24_P940426	9444	QKI	-1	2.243	3.408	
A_24_P265051	91584	PLXNA4	-1	2.47005	2.968	
A_23_P213840	8992	ATP6VOE1	-1	-1	0.57525	1.19
A_24_P177653	NA	NA	1	0.2185	-0.221	

Suppl emental Tabl e1

A_24_P256219	4094	MAF	-1	0.396	1.321	
A_23_P88201	55012	PPP2R3C	-1	-0.52085		0.0619375
A_23_P21644	51170	HSD17B11		-1	-0.06	0.6197
A_23_P114713	1580	CYP4B1	-1	3.514972222		4.6365
A_23_P17275	51277	DNAJC27	-1	-0.05575		0.68
A_32_P133916	54796	BNC2	-1	0.3445	0.74	
A_23_P64161	253935	ANGPTL5	-1	0.10535	2.075	
A_23_P368484	388341	C17orf76		-1	0.6045	1.208
A_24_P59387	619426	C8orf60	-1	0.3199375		0.796111111
A_23_P30294	1036	CD01	-1	4.3085	5.0613	
A_32_P152437	9590	AKAP12	-1	1.609	2.486	
A_23_P25888	122786	FRMD6	1	0.3115	-0.2745	
A_23_P99063	4060	LUM	-1	0.919	1.969	
A_23_P54000	58533	SNX6	-1	0.141	0.709	
A_23_P57868	95	ACY1	1	0.449666667		-0.093
A_24_P70888	23654	PLXNB2	1	0.863	0.334	
A_23_P4536	23136	EPB41L3	-1	0.6785	1.712	
A_24_P69538	7099	TLR4	-1	2.36475	3.25	
A_24_P108401	354	KLK3	1	1.687	0.523	
A_24_P103952	8525	DGKZ	1	0.1695	-0.476	
A_24_P916378	92906	HNRPLL	-1	-1.037	-0.393	
A_32_P99311	353355	ZNF233	1	0.5965	-0.239	
A_24_P927444	92521	SPECC1	-1	-0.2835	0.813	
A_23_P310	65108	MARCKSL1		1	-0.013	-0.7755
A_24_P357760	728131	RPS6P6	1	0.6142	0.122	
A_23_P83838	767	CA8	1	0.1095	-0.3345	
A_23_P433798	79883	PODNL1	1	0.6	-0.496333333	
A_23_P97932	22921	MSRB2	-1	0.7205	1.035	
A_23_P23924	824	CAPN2	-1	0.7165	1.1295	
A_23_P109133	551	AVP	1	1.3285	0.64	
A_24_P187774	79987	SVEP1	-1	3.1885	4.350428571	
A_23_P1904	2206	MS4A2	-1	1.3615	2.8768	
A_23_P335958	151556	GPR155	-1	0.382	1.076	
A_24_P351435	51185	CRBN	-1	0.1295	0.538	
A_24_P292710	51527	C14orf129		-1	-1.149	-0.492
A_23_P144639	55374	TMC06	1	0.3165	-0.14	
A_23_P93311	780	DDR1	1	0.1805	-1.146	
A_23_P320290	152485	ZNF827	1	0.64265	0.235	
A_23_P115636	1787	TRDMT1	-1	-1.1535	-0.688	
A_24_P216421	1838	DTNB	1	0.269	-0.461	
A_23_P216596	79987	SVEP1	-1	2.99725	3.781	
A_32_P196483	6189	RPS3A	1	-0.122	-0.672	
A_23_P141770	8774	NAPG	-1	-0.695	-0.15	
A_23_P22660	10800	CYSLTR1	-1	0.249	0.747	
A_23_P57323	2078	ERG	-1	2.5155	3.041	
A_23_P138308	965	CD58	-1	-0.4685	0.106	
A_23_P95640	440712	C1orf186		-1	1.4355	2.727
A_32_P125832	100128893	LOC100128893		-1	-0.0575	0.555
A_32_P208120	57118	CAMK1D	-1	0.3305	0.771	
A_23_P83493	51115	FAM82B	-1	-1.495	-0.825	
A_24_P848662	NA	NA	1	1.4635	0.283	
A_23_P110961	51660	BRP44L	-1	0.9035	1.282	
A_23_P33433	4150	MAZ	1	-0.83975		-1.354
A_23_P57497	4627	MYH9	1	0.3995	-0.033	
A_23_P342825	6468	FBXW4	1	1.0155	0.505	
A_23_P152858	55352	C17orf79		-1	0.2005	1.06555
A_24_P304581	122553	TRAPPC6B		-1	-0.6905	-0.144
A_24_P44341	55757	UGGT2	-1	-1.1305	-0.701	
A_23_P28815	1591	CYP24A1	1	-2.107	-2.947444444	
A_23_P103601	57134	MAN1C1	-1	1.4475	1.987	
A_23_P217820	1718	DHCR24	1	-0.769	-1.304	
A_24_P313186	801	CALM1	-1	1.384	2.418	
A_24_P320124	4889	NPY5R	-1	2.982	4.453	

Suppl emental Tabl e1

A_23_P34644	2213	FCGR2B	-1	2.9855	4.701		
A_23_P142688	79137	FAM134A	1	0.12325	-0.692		
A_24_P402825	55799	CACNA2D3		-1	-0.565	0.222	
A_23_P2661	5908	RAP1B	-1	0.139	1.069		
A_24_P79591	11079	RER1	1	0.2345	-0.148		
A_24_P243749	5166	PDK4	-1	3.67935	5.027		
A_23_P390677	2122	MECOM	-1	1.1515	2.205		
A_23_P166491	27352	SGSM3	1	0.3545	-0.388		
A_23_P125771	3054	HCFC1	1	-0.91425		-1.436	
A_24_P337810	NA	NA	-1	0.5845	0.9985		
A_23_P75811	NA	NA	1	-1.129	-1.773		
A_23_P20183	51024	FIS1	-1	0.371	0.813		
A_23_P137403	10489	LRRC41	1	-0.0535	-0.602		
A_23_P153351	645	BLVRB	-1	0.08	0.708		
A_23_P362759	11107	PRDM5	-1	0.125	0.785		
A_23_P17739	7625	ZNF74	1	-0.916	-1.497		
A_24_P42330	100506930	LOC100506930	1			0.848	0.386
A_23_P169331	7186	TRAF2	1	-0.9635	-1.549		
A_23_P136413	4326	MMP17	1	0.657	0.156		
A_23_P14284	10490	VTI1B	-1	0.528166667		1.088	
A_23_P2967	8906	AP1G2	1	-0.24505		-0.861	
A_23_P156443	3841	KPNA5	-1	0.055	0.522		
A_23_P101707	10226	PLIN3	1	-0.32025		-0.9345	
A_23_P161686	9743	ARHGAP32	1		0.86125	0.079	
A_23_P115417	23179	RGL1	-1	1.70725	2.2985		
A_32_P135818	6189	RPS3A	1	0.2435	-0.621		
A_23_P15135	84891	ZSCAN10	1	1.722	0.453		
A_32_P160254	NA	NA	1	1.7565	0.419222222		
A_23_P381577	219749	ZNF25	-1	1.9715	2.455		
A_23_P253068	29882	ANAPC2	1	-0.055	-0.588		
A_23_P118615	10351	ABCA8	-1	3.6625	4.399		
A_23_P300484	23363	OBSL1	1	0.003	-0.606		
A_23_P97481	79739	TTLL7	-1	-0.818	-0.032		
A_23_P66110	7249	TSC2	1	0.4440625		-0.056	
A_32_P161166	6134	RPL10	1	0.002	-0.407		
A_23_P311192	10558	SPTLC1	-1	-0.9822	-0.261		
A_23_P258377	23085	ERC1	-1	-0.573	-0.052		
A_23_P111835	1738	DLD	-1	-0.6931	0.345		
A_23_P64617	8322	FZD4	-1	3.5115	4.197		
A_24_P467358	1937	EEF1G	1	-0.02	-0.867555556		
A_23_P111311	9590	AKAP12	-1	1.0145	1.936		
A_24_P358462	375790	AGRN	1	-0.288	-1.255		
A_23_P55251	3675	ITGA3	1	-0.91575		-1.656	
A_24_P84220	NA	NA	-1	0.671	0.869		
A_23_P18123	22871	NLGN1	-1	-0.4685	0.350444444		
A_23_P305981	388152	LOC388152	1		-1.0775	-2.011	
A_23_P49546	2905	GRI N2C	-1	0.238	0.975		
A_23_P110266	79625	NDNF	-1	0.602	1.355		
A_24_P56689	7755	ZNF205	1	1.1245	0.357		
A_32_P225816	63976	PRDM16	-1	1.49675	2.007		
A_24_P926125	390705	LOC390705	1		0.01275	-0.875	
A_23_P335661	23034	SAMD4A	-1	1.411	2.467		
A_23_P313476	84498	FAM120B	1	0.2425	-0.361		
A_23_P323094	1911	PHC1	1	-0.681	-1.307		
A_24_P201919	55333	SYNJ2BP	-1	-0.04	0.401		
A_24_P394047	57404	CYP20A1	-1	-0.45975		0.131	
A_24_P248240	23208	SYT11	-1	0.569	0.949		
A_23_P73114	5627	PROS1	-1	0.932	1.419		
A_23_P63660	84293	C10orf58	-1	-1	1.95	2.718	
A_23_P147826	57826	RAP2C	-1	-1.079	-0.609		
A_23_P25913	83544	DNAL1	-1	-1.0735	-0.3965		
A_23_P20722	6621	SNAPC4	1	0.044	-0.595		
A_24_P401645	11154	AP4S1	-1	-0.663	-0.283		

Suppl emental Tabl e1

A_23_P60047	6867	TACC1	-1	1.6865	2.3155	
A_24_P915692	22822	PHLDA1	1	-0.9645	-1.542	
A_32_P23795	NA	NA	-1	0.308	1.076	
A_24_P375609	1984	EI F5A	1	-1.2135	-1.63	
A_23_P83098	216	ALDH1A1	-1	1.9755	2.876	
A_23_P108143	2593	GAMT	1	-0.3195	-0.881	
A_24_P233570	5689	PSMB1	-1	-0.2525	0.213	
A_23_P167812	221662	RBM24	-1	-1.4935	-0.9415	
A_23_P216935	81571	MI R600HG		1	-0.5235	-0.964
A_24_P139993	843	CASP10	-1	0.1285	0.764	
A_23_P94800	6275	S100A4	-1	0.199	1.33	
A_24_P323084	284185	LI NC00482		-1	-0.247	0.506
A_23_P207299	51136	RNFT1	-1	0.221	0.679	
A_23_P219161	10439	OLFM1	-1	0.1505	0.6809	
A_24_P406301	4708	NDUFB2	-1	-0.128	0.341333333	
A_23_P156531	5689	PSMB1	-1	-0.4535	-0.089	
A_32_P112380	284114	TMEM102	1	0.109	-0.593	
A_23_P94889	51115	FAM82B	-1	0.6065	1.038	
A_32_P50834	1730	DI APH2	-1	1.0435	1.658	
A_32_P39394	169792	GLI S3	-1	-0.102	0.7115	
A_24_P343255	116138	KLHDC3	1	-0.177	-0.7522	
A_23_P153390	339390	CLEC4G	-1	1.777	3.199	
A_23_P253932	55179	FAIM	-1	0.617	1.149	
A_24_P203953	439951	LOC439951		1	1.7185	0.574
A_24_P129813	6601	SMARCC2	1	1.6845	0.758	
A_24_P149124	9315	C5orf13	1	-0.7685	-1.167	
A_23_P8139	7629	ZNF76	1	0.292	-0.038	
A_23_P339119	79611	ACSS3	-1	0.1625	0.89	
A_23_P82047	134957	STXBP5	-1	-1.1415	-0.618	
A_23_P74852	5279	PI GC	-1	1.193	1.865	
A_23_P340848	5739	PTGI R	-1	1.033	2.209	
A_24_P84045	256355	RPS2P32	1	-0.8056	-1.507	
A_23_P393401	339044	PKD1P1	1	0.1965	-0.464	
A_24_P64781	4254	KITLG	-1	-0.20525		0.224
A_24_P7085	118432	RPL29P2	1	-0.1635	-0.515	
A_24_P285158	127943	FCRLB	1	1.743	0.499	
A_24_P244575	53373	TPCN1	1	0.1155	-0.232	
A_23_P377376	10097	ACTR2	-1	-0.7525	-0.109666667	
A_23_P39525	79843	FAM124B	-1	1.2865	1.9625	
A_23_P429461	197258	FUK	1	0.4615	-0.091	
A_23_P138461	56652	C10orf2	1	-1.554	-2.031	
A_32_P203585	23492	CBX7	1	1.652	0.446	
A_23_P253963	54968	TMEM70	-1	-0.9427	-0.345	
A_23_P93027	8817	FGF18	-1	0.07225	1.05	
A_23_P124384	6474	SHOX2	-1	0.20225	0.841	
A_23_P75283	5950	RBP4	-1	1.821	2.806	
A_23_P385851	55796	MBNL3	-1	-1.8355	-0.9911	
A_23_P121545	2823	GPM6A	-1	0.63675	1.691	
A_24_P208721	23276	KLHL18	1	0.296	-0.138111111	
A_24_P255338	9632	SEC24C	1	-0.4925	-0.994	
A_23_P139228	23647	ARFI P2	1	0.128	-0.452	
A_23_P343837	57097	PARP11	-1	0.408	0.816	
A_23_P24884	6764	ST5	1	1.4485	0.695	
A_23_P5163	57130	ATP13A1	1	-0.39775		-0.909
A_23_P16078	5050	PAFAH1B3		1	-1.2235	-2.251
A_23_P302672	115265	DDI T4L	-1	2.38865	3.181	
A_23_P112251	2790	GNG10	-1	0.0245	0.865	
A_24_P417189	1852	DUSP9	1	-1.4945	-2.198	
A_24_P379413	3570	IL6R	-1	0.7255	1.214	
A_32_P83256	11213	IRAK3	-1	2.479	3.612	
A_23_P16214	84261	FBXW9	1	-0.133	-0.857	
A_24_P257579	64097	EPB41L4A		-1	2.788285714	3.382
A_24_P100368	6990	DYNLT3	-1	-1.5765	-0.837	

Suppl emental Tabl e1

A_32_P43436	6159	RPL29	1	0.0835	-0.408	
A_24_P28739	55704	CCDC88A	-1	-1.778	-0.886	
A_32_P31771	80856	KIAA1715		-1	-1.5265	-0.418
A_23_P170498	123803	NTAN1	-1	0.137	0.774	
A_23_P216889	441430	ANKRD20A2		-1	0.244	1.017
A_23_P43484	1029	CDKN2A	-1	-1.915	-0.75	
A_23_P157136	85477	SCIN	-1	2.73725	3.1467	
A_24_P221424	147808	ZNF784	1	0.9135	0.117	
A_24_P248053	116447	TOP1MT	1	-0.386	-0.869	
A_23_P401472	1131	CHRM3	1	-1.16875		-1.9315
A_24_P410809	9736	USP34	-1	-0.3105	0.3905	
A_24_P219785	808	CALM3	-1	-0.77025		-0.234
A_23_P360179	84461	NEURL4	1	0.3215	-0.083	
A_23_P417113	155435	RBM33	-1	-1.4285	-0.832	
A_23_P103571	10905	MAN1A2	-1	-0.0645	0.363	
A_23_P10785	143187	VTI1A	-1	-0.4595	0.209	
A_32_P150300	NA	NA	-1	1.8715	3.073	
A_32_P221552	80267	EDEM3	-1	-0.3345	0.074	
A_24_P235429	19	ABCA1	-1	1.415	2.699	
A_24_P272594	23005	MAPKBP1	1	1.374	0.598	
A_24_P187218	5101	PCDH9	-1	1.847	3.393	
A_23_P64919	79785	RERGL	-1	3.0797	3.834	
A_23_P39647	6508	SLC4A3	1	0.6221	0.053	
A_24_P166434	170680	PSORS1C2		1	1.537	0.6485
A_23_P357811	4154	MBNL1	-1	1.145	1.529	
A_23_P149975	83641	FAM107B	-1	0.9835	1.803	
A_24_P365025	9043	SPAG9	-1	-0.7105	-0.201	
A_23_P88589	7026	NR2F2	-1	0.5365	0.919	
A_24_P139899	23208	SYT11	-1	0.229	0.7922	
A_23_P217384	8905	AP1S2	-1	-0.5255	0.195	
A_23_P203920	8082	SSPN	-1	3.3745	3.796	
A_23_P211910	5352	PLOD2	-1	-0.4965	0.43	
A_23_P502269	84271	POLDI P3	1	0.36525	-0.245	
A_23_P7503	91937	TIMD4	-1	0.170925		1.634
A_23_P383532	54928	IMPAD1	-1	-0.3545	0.188	
A_23_P17224	130026	ICAI1L	-1	0.871	1.2469	
A_23_P404259	493869	GPX8	-1	-1.6465	-1.120888889	
A_24_P152649	644189	LOC644189		-1	1.167	1.9375
A_23_P209408	843	CASP10	-1	0.3755	1.091	
A_23_P94230	23643	LY96	-1	-0.41925		0.324
A_24_P118531	5908	RAP1B	-1	-0.2715	0.538	
A_23_P88411	6400	SEL1L	-1	0.8	1.245	
A_32_P44274	63922	CHTF18	1	-1.3345	-2.018	
A_24_P62708	5567	PRKACB	-1	0.5845	1.085	
A_23_P374695	7010	TEK	-1	3.581	3.963	
A_23_P70318	22875	ENPP4	-1	1.7875	2.746	
A_24_P112395	64081	PBLD	-1	1.872	2.3105	
A_23_P116114	5140	PDE3B	-1	1.9955	2.843	
A_24_P328333	9475	ROCK2	-1	0.4665	1.018	
A_23_P119526	8943	AP3D1	1	-0.6015	-0.897	
A_23_P306804	163732	CITED4	1	1.6313125		0.495
A_23_P158533	10522	DEAF1	1	-0.202	-0.72	
A_23_P216023	284	ANGPT1	-1	1.1755	2.98	
A_24_P55465	136319	MTPN	-1	-0.839	-0.219	
A_23_P40354	22919	MAPRE1	-1	-0.81625		0.012
A_23_P372096	140688	C20orf112		1	-0.54225	-1.042
A_23_P357248	79175	ZNF343	-1	-0.261	0.334	
A_24_P46946	64321	SOX17	1	1.67165	0.956	
A_24_P73599	3603	IL16	-1	1.544	2.064	
A_23_P168443	2050	EPHB4	1	-0.2905	-0.855	
A_23_P164451	6909	TBX2	-1	-0.764	-0.504	
A_24_P68585	6464	SHC1	1	-0.21	-0.69	
A_23_P15654	9618	TRAF4	1	-0.097	-1.673	

Suppl emental Tabl e1

A_23_P205746	2009	EML1	-1	-0.279	0.255	
A_23_P381505	221806	VWDE	1	-1.2445	-1.68	
A_24_P333364	116988	AGAP3	1	1.6595	0.469	
A_24_P295245	444	ASPH	-1	1.3835	1.713	
A_23_P71464	1666	DECR1	-1	1.0135	1.372	
A_24_P20120	55704	CCDC88A	-1	-1.031	-0.3528	
A_23_P25403	29915	HCFC2	-1	0.3605	1.156	
A_23_P501822	3728	JUP	1	0.70525	-0.0645	
A_23_P43679	114991	ZNF618	1	1.0075	0.452	
A_23_P19691	23593	HEBP2	-1	1.668	2.092	
A_23_P119130	6223	RPS19	1	-0.397	-1.092	
A_23_P88184	55727	BTBD7	-1	0.17	0.679	
A_23_P58815	26272	FBX04	-1	-0.26375		0.433
A_23_P312652	1153	CIRBP	1	1.7855	1.26	
A_23_P17444	83541	FAM110A	1	0.107	-0.299	
A_24_P418408	375061	FAM89A	-1	2.0455	2.422	
A_23_P7325	683	BST1	-1	1.8625	2.867	
A_23_P141699	84552	PARD6G	1	1.7425	0.778	
A_23_P103256	10878	CFHR3	-1	2.1285	3.408	
A_23_P413721	2819	GPD1	-1	3.455	4.021	
A_32_P130630	9194	SLC16A7	-1	1.257	2.163	
A_23_P119907	55139	ANKZF1	1	-0.7605	-1.235	
A_23_P164436	443	ASPA	-1	3.73	4.7075	
A_23_P133665	2444	FRK	-1	-0.229	0.181	
A_32_P204019	6159	RPL29	1	0.041	-0.412	
A_23_P420981	122616	C14orf79	1		0.3875	-0.7745
A_23_P32722	79797	ZNF408	1	-0.40625		-0.97
A_23_P44466	79839	CCDC102B	-1		2.7021	3.47
A_23_P81581	635	BHMT	-1	-0.9475	0.182	
A_24_P322353	9050	PSTPI P2	1	0.6175	-0.054	
A_23_P82839	137964	AGPAT6	1	-0.637	-1.165	
A_23_P40049	790	CAD	1	-0.960055556		-1.541
A_24_P50890	5818	PVRL1	1	0.6045	-0.599	
A_23_P23572	8394	PI P5K1A	1	-0.544	-1.083	
A_24_P207091	55147	RBM23	1	-0.0165	-0.548	
A_23_P130455	7593	MZF1	1	0.6805	0.056	
A_23_P120270	90411	MCFD2	-1	-1.821	-1.088	
A_23_P3413	161725	OTUD7A	1	1.4835	0.6135	
A_23_P121037	50512	PODXL2	1	-1.2915	-2.019	
A_24_P280497	57666	FBRSL1	1	1.566	0.159	
A_24_P173088	6776	STAT5A	1	0.704	0.1908	
A_24_P31235	1984	EI F5A	1	-1.3	-1.614	
A_23_P141917	7297	TYK2	1	-0.5765	-1.142333333	
A_23_P29816	51365	PLA1A	-1	-0.998	-0.294	
A_24_P273972	3075	CFH	-1	1.443	2.966	
A_23_P61426	4482	MSRA	-1	1.27	1.789	
A_23_P160286	10216	PRG4	-1	0.26375	3.792	