

Table S3

Ensembl ID	Gene symbol	Entrez ID	Correlation
ENSG00000197971	MBP	4155	-0.9038
ENSG00000107902	LHPP	64077	-0.8995
ENSG00000160781	PAQR6	79957	-0.8984
ENSG00000090581	GNPTG	84572	-0.8977
ENSG00000159176	CSRP1	1465	-0.8928
ENSG00000105643	ARRDC2	27106	-0.8916
ENSG00000250479	CHCHD10	400916	-0.8899
ENSG00000116661	FBXO2	26232	-0.8896
ENSG00000021300	PLEKHB1	58473	-0.8873
ENSG00000189171	S100A13	6284	-0.8864
ENSG00000167641	PPP1R14A	94274	-0.8816
ENSG00000160307	S100B	6285	-0.8803
ENSG00000063180	CA11	770	-0.8801
ENSG00000100003	SEC14L2	23541	-0.8796
ENSG00000101400	SNTA1	6640	-0.8766
ENSG00000120306	C5orf32	84418	-0.8761
	TNFSF12-		
ENSG00000248871	TNFSF13	407977	-0.8741
ENSG00000103740	ACSBG1	23205	-0.8740
ENSG00000173267	SNCG	6623	-0.8722
ENSG00000165795	NDRG2	57447	-0.8713
ENSG00000145198	VWA5B2	90113	-0.8706
ENSG00000102934	PLLP	51090	-0.8676
ENSG00000198892	SHISA4	149345	-0.8657
ENSG00000101439	CST3	1471	-0.8655
ENSG00000176485	PLA2G16	11145	-0.8654
ENSG00000109107	ALDOC	230	-0.8651
ENSG00000087250	MT3	4504	-0.8650
ENSG00000161955	TNFSF13	8741	-0.8639
ENSG00000131097	HIGD1B	51751	-0.8631
ENSG00000166091	CMTM5	116173	-0.8622
ENSG00000130303	BST2	684	-0.8619
ENSG00000244274	DBNDD2	55861	-0.8604
ENSG00000167705	RILP	83547	-0.8592
ENSG00000174939	ASPHD1	253982	-0.8565
ENSG00000163517	HDAC11	79885	-0.8564
ENSG00000239697	TNFSF12	8742	-0.8547
ENSG00000103811	CTSH	1512	-0.8545
ENSG00000160408	ST6GALNAC6	30815	-0.8535
ENSG00000124615	MOCS1	4337	-0.8519
ENSG00000189058	APOD	347	-0.8498
ENSG00000234745	HLA-B	3106	-0.8496
ENSG00000182902	SLC25A18	83733	-0.8484
ENSG00000166925	TSC22D4	81628	-0.8480
ENSG00000148120	C9orf3	84909	-0.8479
ENSG00000129250	KIF1C	10749	-0.8472
ENSG00000198835	GJC2	57165	-0.8468

ENSG00000198624	CCDC69	26112	-0.8462
ENSG00000183401	CCDC159	126075	-0.8460
ENSG00000109846	CRYAB	1410	-0.8452
ENSG00000175482	POLD4	57804	-0.8451
ENSG00000108387	5-Sep	5414	-0.8440
ENSG00000120885	CLU	1191	-0.8435
ENSG00000131730	CKMT2	1160	-0.8433
ENSG00000170634	ACYP2	98	-0.8427
ENSG00000102760	C13orf15	28984	-0.8425
ENSG00000149489	ROM1	6094	-0.8406
ENSG00000091513	TF	7018	-0.8399
ENSG00000244187	TMEM141	85014	-0.8398
ENSG00000244607	CCDC13	152206	-0.8394
ENSG00000135525	MAP7	9053	-0.8391
ENSG00000078804	TP53INP2	58476	-0.8390
ENSG00000161835	GRASP	160622	-0.8372
ENSG00000183628	DGCR6	8214	-0.8371
ENSG00000146122	DAAM2	23500	-0.8371
ENSG00000158526	TSR2	90121	-0.8354
ENSG00000128805	ARHGAP22	58504	-0.8353
ENSG00000100399	CHADL	150356	-0.8352
ENSG00000172216	CEBPB	1051	-0.8331
ENSG00000139192	TAPBPL	55080	-0.8330
ENSG00000180155	LYNX1	66004	-0.8327
ENSG00000204592	HLA-E	3133	-0.8327
ENSG00000211584	SLC48A1	55652	-0.8326
ENSG00000175602	CCDC85B	11007	-0.8325
ENSG00000166710	B2M	567	-0.8322
ENSG00000164403	SHROOM1	134549	-0.8317
ENSG00000160801	PTH1R	5745	-0.8307
ENSG00000198832	RP3-412A9.11	140606	-0.8305
ENSG00000172458	IL17D	53342	-0.8301
ENSG00000100033	PRODH	5625	-0.8300
ENSG00000135926	TMBIM1	64114	-0.8282
ENSG00000245937	CTC-228N24.3	644873	-0.8277
ENSG00000091428	RAPGEF4	11069	-0.8273
ENSG00000114993	RTKN	6242	-0.8265
ENSG00000189283	FHIT	2272	-0.8264
ENSG00000125148	MT2A	4502	-0.8260
ENSG00000164402	9-Sep	23176	-0.8254
ENSG00000105518	TMEM205	374882	-0.8252
ENSG00000078814	MYH7B	57644	-0.8249
ENSG00000130988	RGN	9104	-0.8243
ENSG00000167106	FAM102A	399665	-0.8242
ENSG00000134873	CLDN10	9071	-0.8241
ENSG00000236830	AP000689.8	100506428	-0.8235
ENSG00000240065	PSMB9	5698	-0.8229
ENSG00000112561	TFEB	7942	-0.8228
ENSG00000102032	RENBP	5973	-0.8228

ENSG00000084453	SLCO1A2	6579	-0.8228
ENSG00000198121	LPAR1	1902	-0.8225
ENSG00000123560	PLP1	5354	-0.8222
ENSG00000175197	DDIT3	1649	-0.8221
ENSG00000087076	HSD17B14	51171	-0.8215
ENSG00000160685	ZBTB7B	51043	-0.8211
ENSG00000148411	NACC2	138151	-0.8211
ENSG00000149090	PAMR1	25891	-0.8197
ENSG00000158315	RHBDL2	54933	-0.8192
ENSG00000157873	TNFRSF14	8764	-0.8192
ENSG00000159228	CBR1	873	-0.8192
ENSG00000072952	MRVI1	10335	-0.8192
ENSG00000196502	SULT1A1	6817	-0.8192
ENSG00000104267	CA2	760	-0.8188
ENSG00000037042	TUBG2	27175	-0.8186
ENSG00000166411	IDH3A	3419	-0.8181
ENSG00000012171	SEMA3B	7869	-0.8177
ENSG00000182600	C2orf82	389084	-0.8177
ENSG00000239382	ALKBH6	84964	-0.8171
ENSG00000129538	RNASE1	6035	-0.8169
ENSG00000067113	PPAP2A	8611	-0.8169
ENSG00000182700	IGIP	492311	-0.8155
ENSG00000127824	TUBA4A	7277	-0.8146
ENSG00000130203	APOE	348	-0.8145
ENSG00000161281	COX7A1	1346	-0.8144
ENSG00000101335	MYL9	10398	-0.8143
ENSG00000149091	DGKZ	8525	-0.8139
ENSG00000126709	IFI6	2537	-0.8137
ENSG00000010278	CD9	928	-0.8135
ENSG00000152583	SPARCL1	8404	-0.8133
ENSG00000129473	BCL2L2	599	-0.8131
ENSG00000174080	CTSF	8722	-0.8117
ENSG00000144040	SFXN5	94097	-0.8110
ENSG00000184524	CEND1	51286	-0.8105
ENSG00000100307	CBX7	23492	-0.8104
ENSG00000013364	MVP	9961	-0.8101
ENSG00000178980	SEPW1	6415	-0.8101
ENSG00000106351	AGFG2	3268	-0.8101
ENSG00000161714	PLCD3	113026	-0.8095
ENSG00000042445	RETSAT	54884	-0.8085
ENSG00000155324	GRAMD3	65983	-0.8083
ENSG00000224877	C17orf89	284184	-0.8083
ENSG00000036530	CYP46A1	10858	-0.8080
ENSG00000156381	ANKRD9	122416	-0.8073
ENSG00000137825	ITPKA	3706	-0.8072
ENSG00000161642	ZNF385A	25946	-0.8060
ENSG00000068079	IFI35	3430	-0.8059
ENSG00000117691	NENF	29937	-0.8055
ENSG00000080573	COL5A3	50509	-0.8052

ENSG00000122359	ANXA11	311	-0.8047
ENSG00000184221	OLIG1	116448	-0.8043
ENSG00000126860	EVI2A	2123	-0.8041
ENSG00000198753	PLXNB3	5365	-0.8035
ENSG00000135916	ITM2C	81618	-0.8035
ENSG00000117266	CDK18	5129	-0.8033
ENSG00000087842	PIR	8544	-0.8029
ENSG00000100116	GCAT	23464	-0.8027
ENSG00000182196	ARL6IP4	51329	-0.8025
ENSG00000166033	HTRA1	5654	-0.8025
ENSG00000105516	DBP	1628	-0.8022
ENSG00000147576	ADHFE1	137872	-0.8017
ENSG00000135929	CYP27A1	1593	-0.8014
ENSG00000185043	CIB1	10519	-0.8013
ENSG00000198171	DDRGK1	65992	-0.8005
ENSG00000104825	NFKBIB	4793	-0.8002