

Table S2

Ensembl ID	Gene symbol	Entrez ID	Correlation
ENSG00000117139	KDM5B	10765	0.9561
ENSG00000181827	RFX7	64864	0.9536
ENSG00000163939	PBRM1	55193	0.9527
ENSG00000143702	CEP170	9859	0.9525
ENSG00000178163	ZNF518B	85460	0.9525
ENSG00000106346	USP42	84132	0.9517
ENSG00000138439	FAM117B	150864	0.9513
ENSG00000159579	RSPRY1	89970	0.9472
ENSG00000155592	ZKSCAN2	342357	0.9463
ENSG00000100426	ZBED4	9889	0.9444
ENSG00000134313	KIDINS220	57498	0.9443
ENSG00000197024	ZNF398	57541	0.9434
ENSG00000196632	WNK3	65267	0.9433
ENSG00000077097	TOP2B	7155	0.9432
ENSG00000198824	CHAMP1	283489	0.9432
ENSG00000160208	RRP1B	23076	0.9430
ENSG00000110066	SUV420H1	51111	0.9429
ENSG00000011007	TCEB3	6924	0.9418
ENSG00000089902	RCOR1	23186	0.9415
ENSG00000175087	PDIK1L	149420	0.9412
ENSG00000243943	ZNF512	84450	0.9411
ENSG00000089094	KDM2B	84678	0.9409
ENSG00000187607	ZNF286A	57335	0.9404
ENSG00000162613	FUBP1	8880	0.9398
ENSG00000183309	ZNF623	9831	0.9397
ENSG00000103160	HSDL1	83693	0.9388
ENSG00000169118	CSNK1G1	53944	0.9379
ENSG00000102974	CTCF	10664	0.9377
ENSG00000118263	KLF7	8609	0.9374
ENSG00000066135	KDM4A	9682	0.9372
ENSG00000120616	EPC1	80314	0.9370
ENSG00000124571	XPO5	57510	0.9367
ENSG00000163026	C2orf44	80304	0.9365
ENSG00000152443	ZNF776	284309	0.9358
ENSG00000144233	AMMECR1L	83607	0.9346
ENSG00000112182	BACH2	60468	0.9341
ENSG00000170558	CDH2	1000	0.9331
ENSG00000103194	USP10	9100	0.9331
ENSG00000172939	OXSRI	9943	0.9316
ENSG00000188994	ZNF292	23036	0.9314
ENSG00000125686	MED1	5469	0.9313
ENSG00000141424	SLC39A6	25800	0.9312
ENSG00000181007	ZFP82	284406	0.9306
ENSG00000171681	ATF7IP	55729	0.9304
ENSG00000163214	DHX57	90957	0.9298
ENSG00000198040	ZNF84	7637	0.9290
ENSG00000131023	LATS1	9113	0.9289

ENSG00000163104	SMARCAD1	56916	0.9286
ENSG00000122779	TRIM24	8805	0.9284
ENSG00000158636	C11orf30	56946	0.9282
ENSG00000100281	HMGXB4	10042	0.9282
ENSG00000004487	KDM1A	23028	0.9280
ENSG00000121406	ZNF549	256051	0.9279
ENSG00000213079	SCAF8	22828	0.9277
ENSG00000151458	ANKRD50	57182	0.9275
ENSG00000105866	SP4	6671	0.9272
ENSG00000121774	KHDRBS1	10657	0.9271
ENSG00000171456	ASXL1	171023	0.9268
ENSG00000164091	WDR82	80335	0.9266
ENSG00000143079	CTTNBP2NL	55917	0.9263
ENSG00000113300	CNOT6	57472	0.9263
ENSG00000011258	MBTD1	54799	0.9260
ENSG00000125944	HNRNPR	10236	0.9252
ENSG00000127483	HP1BP3	50809	0.9251
ENSG00000204611	ZNF616	90317	0.9248
ENSG00000244462	RBM12	10137	0.9245
ENSG00000143061	IGSF3	3321	0.9242
ENSG00000088930	XRN2	22803	0.9242
ENSG00000085721	RRN3	54700	0.9242
ENSG00000185219	ZNF445	353274	0.9240
ENSG00000147180	ZNF711	7552	0.9237
ENSG00000198553	KCNRG	283518	0.9236
ENSG00000242852	ZNF709	163051	0.9235
ENSG00000177932	ZNF354C	30832	0.9235
ENSG00000079387	SENP1	29843	0.9232
ENSG00000179837	RBM15B	29890	0.9231
ENSG00000204178	TMEM57	55219	0.9223
ENSG00000025293	PHF20	51230	0.9216
ENSG00000184675	FAM123B	139285	0.9216
ENSG00000109685	WHSC1	7468	0.9216
ENSG00000188636	LDOC1L	84247	0.9215
ENSG00000198492	YTHDF2	51441	0.9215
ENSG00000213799	ZNF845	91664	0.9214
ENSG00000198182	ZNF607	84775	0.9213
ENSG00000171843	MLLT3	4300	0.9211
ENSG00000131845	ZNF304	57343	0.9209
ENSG00000116128	BCL9	607	0.9203
ENSG00000186448	ZNF197	10168	0.9201
ENSG00000117000	RLF	6018	0.9200
ENSG00000130396	MLLT4	4301	0.9199
ENSG00000204519	ZNF551	90233	0.9198
ENSG00000177733	HNRNPA0	10949	0.9196
ENSG00000074054	CLASP1	23332	0.9192
ENSG00000162415	ZSWIM5	57643	0.9188
ENSG00000107341	UBE2R2	54926	0.9188
ENSG00000135999	EPC2	26122	0.9187

ENSG00000130803	ZNF317	57693	0.9187
ENSG00000136485	DCAF7	10238	0.9185
ENSG00000037749	MFAP3	4238	0.9181
ENSG00000145041	VPRBP	9730	0.9180
ENSG00000124459	ZNF45	7596	0.9179
ENSG00000168795	ZBTB5	9925	0.9179
ENSG00000125630	POLR1B	84172	0.9177
ENSG00000135387	CAPRIN1	4076	0.9176
ENSG00000186300	ZNF555	148254	0.9161
ENSG00000110218	PANX1	24145	0.9157
ENSG00000156531	PHF6	84295	0.9156
ENSG00000177125	ZBTB34	403341	0.9156
ENSG00000136381	IREB2	3658	0.9156
ENSG00000204977	TRIM13	10206	0.9151
ENSG00000073711	PPP2R3A	5523	0.9150
ENSG00000137574	TGS1	96764	0.9143
ENSG00000135747	ZNF670	93474	0.9141
ENSG00000101266	CSNK2A1	1457	0.9134
ENSG00000140598	EFTUD1	79631	0.9129
ENSG00000139990	DCAF5	8816	0.9129
ENSG00000196470	SIAH1	6477	0.9129
ENSG00000168246	UBTD2	92181	0.9127
ENSG00000166261	ZNF202	7753	0.9127
ENSG00000205268	PDE7A	5150	0.9126
ENSG00000114302	PRKAR2A	5576	0.9126
ENSG00000213762	ZNF134	7693	0.9126
ENSG00000152217	SETBP1	26040	0.9126
ENSG00000164244	PRRC1	133619	0.9125
ENSG00000197128	ZNF772	400720	0.9124
ENSG00000196150	ZNF250	58500	0.9123
ENSG00000196867	ZFP28	140612	0.9122
ENSG00000101193	C20orf11	54994	0.9121
ENSG00000184402	SS18L1	26039	0.9120
ENSG00000130559	CAMSAP1	157922	0.9119
ENSG00000143324	XPR1	9213	0.9119
ENSG00000092201	SUPT16H	11198	0.9117
ENSG00000147548	WHSC1L1	54904	0.9117
ENSG00000156853	ZNF689	115509	0.9116
ENSG00000110321	EIF4G2	1982	0.9113
ENSG00000174579	MSL2	55167	0.9110
ENSG00000135829	DHX9	1660	0.9109
ENSG00000176624	MEX3C	51320	0.9108
ENSG00000132436	FIGNL1	63979	0.9107
ENSG00000167785	ZNF558	148156	0.9107
ENSG00000176371	ZSCAN2	54993	0.9102
ENSG00000159131	GART	2618	0.9102
ENSG00000189091	SF3B3	23450	0.9101
ENSG00000179409	GEMIN4	50628	0.9100
ENSG00000113569	NUP155	9631	0.9099

ENSG00000162419	GMEB1	10691	0.9098
ENSG00000109171	SLAIN2	57606	0.9092
ENSG00000137942	FNBP1L	54874	0.9090
ENSG00000110987	BCL7A	605	0.9090
ENSG00000136709	WDR33	55339	0.9086
ENSG0000018699	TTC27	55622	0.9084
ENSG00000160062	ZBTB8A	653121	0.9078
ENSG00000143494	VASH2	79805	0.9076
ENSG00000171649	ZIK1	284307	0.9075
ENSG00000115421	PAPOLG	64895	0.9073
ENSG00000124214	STAU1	6780	0.9071
ENSG00000065183	WDR3	10885	0.9071
ENSG00000160199	PKNOX1	5316	0.9069
ENSG00000179151	EDC3	80153	0.9063
ENSG00000124789	NUP153	9972	0.9061
ENSG00000132155	RAF1	5894	0.9059
ENSG00000213551	DNAJC9	23234	0.9058
ENSG00000189079	ARID2	196528	0.9058
ENSG00000066117	SMARCD1	6602	0.9058
ENSG00000030066	NUP160	23279	0.9057
ENSG00000125484	GTF3C4	9329	0.9054
ENSG00000188295	ZNF669	79862	0.9052
ENSG00000196652	ZKSCAN5	23660	0.9051
ENSG00000112685	EXOC2	55770	0.9050
ENSG00000196267	ZNF836	162962	0.9048
ENSG00000056277	ZNF280C	55609	0.9048
ENSG00000147316	MCPH1	79648	0.9044
ENSG00000136866	ZFP37	7539	0.9041
ENSG00000142065	ZFP14	57677	0.9032
ENSG00000114742	WDR48	57599	0.9031
ENSG00000110880	CORO1C	23603	0.9030
ENSG00000079246	XRCC5	7520	0.9030
ENSG00000143379	SETDB1	9869	0.9029
ENSG00000198205	ZXDA	7789	0.9029
ENSG00000136891	TEX10	54881	0.9027
ENSG00000151846	PABPC3	5042	0.9026
ENSG00000158691	ZSCAN12	9753	0.9025
ENSG00000145725	PIIP5K2	23262	0.9019
ENSG00000131473	ACLY	47	0.9019
ENSG00000077279	DCX	1641	0.9016
ENSG00000129351	ILF3	3609	0.9014
ENSG00000166704	ZNF606	80095	0.9012
ENSG00000180370	PAK2	5062	0.9006
ENSG00000142556	ZNF614	80110	0.9004
ENSG00000086848	ALG9	79796	0.9003
ENSG00000081386	ZNF510	22869	0.9002
ENSG00000021574	SPAST	6683	0.9000