

Supplementary Table S2.

**List of genes which expression significantly correlates
with Chk1 and CIP2A expression in human neuroblastoma**

Gene Name	Spearman Correlation Coefficient			
	With Chk1	p-value	With CIP2A	p-value
MND1	0.8757	6.2830E-29	0.6795	3.3798E-13
DLGAP5	0.8724	1.7795E-28	0.7398	1.8272E-16
CENPK	0.8633	2.8161E-27	0.7683	2.4005E-18
CCNB2	0.8592	9.1705E-27	0.7490	4.8113E-17
BUB1B	0.8579	1.3514E-26	0.7137	5.9788E-15
CCNB1	0.8564	2.0612E-26	0.7627	5.8938E-18
KIAA0101	0.8522	6.4577E-26	0.7436	1.0630E-16
NCAPG	0.8522	6.5038E-26	0.7007	2.9775E-14
CENPA	0.8427	7.5218E-25	0.7126	6.8444E-15
ECT2	0.8390	1.9194E-24	0.7992	1.0322E-20
RNASEH2A	0.8329	8.1326E-24	0.6722	7.4458E-13
C11orf82	0.8324	9.1792E-24	0.6598	2.7179E-12
MLF1IP	0.8319	1.0256E-23	0.6825	2.4238E-13
CDCA7	0.8256	4.3853E-23	0.6452	1.1587E-11
TRIP13	0.8256	4.3924E-23	0.6484	8.4560E-12
DSCC1	0.8242	5.9519E-23	0.7118	7.6506E-15
MAD2L1	0.8241	6.0744E-23	0.7076	1.2845E-14
DEPDC1B	0.8240	6.2379E-23	0.7265	1.1349E-15
CENPE	0.8239	6.3507E-23	0.7352	3.4933E-16
RRM2	0.8226	8.5725E-23	0.7030	2.2438E-14
CENPN	0.8215	1.0849E-22	0.6765	4.7141E-13
CEP152	0.8165	3.1828E-22	0.6372	2.4729E-11
CDC45	0.8160	3.5381E-22	0.6619	2.1985E-12
POLE2	0.8159	3.6018E-22	0.6919	8.3414E-14
CHEK2	0.8150	4.3698E-22	0.6162	1.6506E-10
SKA3	0.8140	5.4045E-22	0.6595	2.8046E-12
DBF4	0.8111	9.7236E-22	0.7269	1.0700E-15
SUV39H2	0.8097	1.3093E-21	0.6905	9.8348E-14
EXO1	0.8074	2.0684E-21	0.6477	9.0814E-12
FANCD2	0.8074	2.0755E-21	0.6399	1.9307E-11
KIF15	0.8041	3.9773E-21	0.7236	1.6771E-15
BUB1	0.8029	5.0361E-21	0.7020	2.5389E-14
ORC6	0.8028	5.1395E-21	0.7313	5.9168E-16
SPC25	0.8014	6.7959E-21	0.7593	1.0069E-17
TYMS	0.8009	7.4638E-21	0.6756	5.1472E-13
HJURP	0.8004	8.2119E-21	0.7152	4.9281E-15
CDCA2	0.8003	8.3951E-21	0.7249	1.4060E-15
C4orf46	0.8001	8.6318E-21	0.6232	8.9040E-11
PPIL5	0.8000	8.8450E-21	0.6769	4.4722E-13
GINS2	0.7966	1.7031E-20	0.7150	5.0815E-15
KIF20A	0.7965	1.7461E-20	0.7217	2.1286E-15
FANCI	0.7963	1.8050E-20	0.6635	1.8548E-12
CENPF	0.7961	1.8535E-20	0.7015	2.6951E-14
CDKN3	0.7957	2.0101E-20	0.7497	4.3548E-17
FAM83D	0.7940	2.7525E-20	0.6859	1.6656E-13

C14orf145	0.7922	3.8482E-20	0.6430	1.4318E-11
NUSAP1	0.7901	5.7102E-20	0.7341	4.0470E-16
PLK4	0.7894	6.4074E-20	0.7506	3.7771E-17
PCNA	0.7891	6.8484E-20	0.7257	1.2639E-15
NEIL3	0.7886	7.4788E-20	0.6766	4.6394E-13
DHFR	0.7880	8.2862E-20	0.7285	8.7094E-16
KIF11	0.7879	8.4640E-20	0.7541	2.2209E-17
NCAPH	0.7873	9.3629E-20	0.7320	5.4249E-16
FAM54A	0.7871	9.6632E-20	0.6607	2.4947E-12
C15orf23	0.7865	1.0807E-19	0.6928	7.5278E-14
CENPO	0.7852	1.3657E-19	0.6526	5.6132E-12
GINS1	0.7803	3.2321E-19	0.7122	7.2153E-15
PTTG1	0.7794	3.7670E-19	0.7697	1.9170E-18
ASPM	0.7759	6.8659E-19	0.7124	7.0445E-15
MELK	0.7750	7.9125E-19	0.6952	5.6636E-14
KIF4A	0.7744	8.8532E-19	0.7067	1.4386E-14
OIP5	0.7739	9.5898E-19	0.7524	2.8818E-17
CENPM	0.7736	1.0058E-18	0.6176	1.4628E-10
MCM6	0.7700	1.8216E-18	0.6339	3.3850E-11
RFC4	0.7699	1.8594E-18	0.7255	1.2893E-15
CDK1	0.7694	2.0237E-18	0.7764	6.2453E-19
KIF18A	0.7688	2.2301E-18	0.7717	1.3730E-18
DDX39	0.7687	2.2474E-18	0.6125	2.2794E-10
TTK	0.7683	2.3889E-18	0.7787	4.2641E-19
MCM10	0.7680	2.5245E-18	0.6200	1.1845E-10
PBK	0.7670	2.9594E-18	0.7837	1.7691E-19
SRSF7	0.7667	3.1381E-18	0.6497	7.4880E-12
GMNN	0.7627	5.8742E-18	0.7351	3.5087E-16
UBE2C	0.7626	5.9898E-18	0.7010	2.8665E-14
CENPH	0.7612	7.5264E-18	0.6662	1.4074E-12
MASTL	0.7606	8.2018E-18	0.6659	1.4574E-12
RAD51	0.7597	9.4377E-18	0.7104	9.0902E-15
TRIM59	0.7582	1.1996E-17	0.7393	1.9463E-16
NDC80	0.7564	1.5656E-17	0.7053	1.7027E-14
AURKA	0.7562	1.6242E-17	0.7500	4.1253E-17
CEP55	0.7521	3.0169E-17	0.7542	2.1998E-17
MCM2	0.7494	4.5526E-17	0.6291	5.2594E-11
SKP2	0.7491	4.6974E-17	0.6067	3.7128E-10
CCNA2	0.7491	4.7036E-17	0.7564	1.5664E-17
KIF23	0.7487	5.0242E-17	0.7802	3.2711E-19
DTL	0.7481	5.4627E-17	0.6518	6.0804E-12
RFC3	0.7478	5.7312E-17	0.7169	4.0011E-15
RTKN2	0.7476	5.8684E-17	0.6543	4.7301E-12
RRM1	0.7459	7.5892E-17	0.7123	7.1517E-15
TPX2	0.7452	8.3742E-17	0.6720	7.6613E-13
ARHGAP11A	0.7445	9.2760E-17	0.6566	3.7563E-12
CENPW	0.7426	1.2184E-16	0.7351	3.5001E-16
MYBL2	0.7423	1.2703E-16	0.6590	2.9427E-12
CDC25C	0.7415	1.4280E-16	0.6722	7.4973E-13
SMC4	0.7403	1.7007E-16	0.8278	2.6852E-23

NUF2	0.7401	1.7321E-16	0.7497	4.2982E-17
UHRF1	0.7379	2.3762E-16	0.6529	5.4409E-12
BIRC5	0.7351	3.5157E-16	0.6825	2.4286E-13
AURKB	0.7345	3.8412E-16	0.7027	2.3255E-14
FEN1	0.7319	5.5021E-16	0.6757	5.1032E-13
BLM	0.7306	6.4978E-16	0.6016	5.7136E-10
POLA2	0.7253	1.3308E-15	0.6277	5.9282E-11
CKS2	0.7246	1.4601E-15	0.6355	2.9097E-11
CDCA5	0.7229	1.8394E-15	0.6746	5.7681E-13
UBE2T	0.7197	2.7905E-15	0.6920	8.2599E-14
ATAD2	0.7152	4.9725E-15	0.7151	5.0192E-15
TMPO	0.7151	5.0361E-15	0.6875	1.3885E-13
POLQ	0.7117	7.6869E-15	0.6672	1.2663E-12
SHCBP1	0.7113	8.1133E-15	0.6326	3.8071E-11
FOXM1	0.7104	9.1208E-15	0.6494	7.6758E-12
FAM64A	0.7055	1.6676E-14	0.6461	1.0629E-11
RAD54L	0.7032	2.2035E-14	0.6138	2.0351E-10
TOM1L2	-0.7029	2.2871E-14	-0.6022	5.4150E-10
WDR76	0.7020	2.5284E-14	0.6645	1.6865E-12
HMMR	0.7002	3.1362E-14	0.6283	5.6328E-11
FBXO5	0.6986	3.8085E-14	0.7114	7.9839E-15
ERCC6L	0.6985	3.8503E-14	0.6991	3.6098E-14
TMEM194A	0.6961	5.1041E-14	0.6105	2.6991E-10
TOP2A	0.6936	6.8659E-14	0.6735	6.4794E-13
HMGB2	0.6928	7.5717E-14	0.7284	8.7650E-16
SPC24	0.6891	1.1576E-13	0.6617	2.2407E-12
RAD51AP1	0.6866	1.5245E-13	0.7856	1.2773E-19
C14orf106	0.6864	1.5645E-13	0.6149	1.8556E-10
DNA2	0.6851	1.8114E-13	0.6146	1.9010E-10
RFC5	0.6793	3.4408E-13	0.7125	6.9410E-15
C12orf48	0.6763	4.7844E-13	0.6888	1.1891E-13
CKS1B	0.6758	5.0434E-13	0.6818	2.6289E-13
GTSE1	0.6749	5.5723E-13	0.6369	2.5502E-11
KIF14	0.6734	6.5286E-13	0.6791	3.5245E-13
PTTG3P	0.6734	6.5450E-13	0.6870	1.4585E-13
BRCA1	0.6729	6.9443E-13	0.6054	4.1359E-10
ANLN	0.6713	8.1742E-13	0.7214	2.2306E-15
TRA2B	0.6703	9.1176E-13	0.6436	1.3549E-11
FAM174B	-0.6687	1.0862E-12	-0.6034	4.8940E-10
KIF18B	0.6682	1.1357E-12	0.6403	1.8426E-11
UNG	0.6662	1.3992E-12	0.6018	5.6061E-10
SRSF1	0.6661	1.4213E-12	0.6223	9.6172E-11
RACGAP1	0.6659	1.4437E-12	0.6444	1.2524E-11
ZWINT	0.6659	1.4450E-12	0.6675	1.2222E-12
E2F1	0.6659	1.4556E-12	0.6269	6.3860E-11
HMGB3	0.6656	1.4926E-12	0.6496	7.5618E-12
ACTL6A	0.6641	1.7444E-12	0.6554	4.2392E-12
CDC6	0.6624	2.0955E-12	0.6187	1.3253E-10
ATP2B4	-0.6604	2.5484E-12	-0.6329	3.6871E-11
DEPDC1	0.6598	2.7187E-12	0.7181	3.4382E-15

VRK1	0.6595	2.8172E-12	0.6523	5.7588E-12
SGOL1	0.6581	3.2413E-12	0.6237	8.5505E-11
CDC25A	0.6576	3.4016E-12	0.6235	8.6562E-11
MCM8	0.6572	3.5279E-12	0.6282	5.6735E-11
SGOL2	0.6554	4.2492E-12	0.7023	2.4395E-14
ZNF443	0.6545	4.6626E-12	0.6170	1.5374E-10
POC1A	0.6532	5.3147E-12	0.6215	1.0372E-10
BRIP1	0.6433	1.3929E-11	0.7037	2.0779E-14
ZNF492	0.6391	2.0829E-11	0.6076	3.4388E-10
H2AFZ	0.6390	2.0919E-11	0.6221	9.7971E-11
DNAJC9	0.6329	3.6993E-11	0.6040	4.6608E-10
EME1	0.6327	3.7670E-11	0.6179	1.4253E-10
KIF22	0.6321	3.9786E-11	0.6109	2.6029E-10
KIF2C	0.6313	4.2712E-11	0.6639	1.7917E-12
PRC1	0.6302	4.7520E-11	0.6221	9.7995E-11
IGF2BP3	0.6226	9.3967E-11	0.6788	3.6705E-13
ZBTB4	-0.6198	1.2021E-10	-0.6281	5.7236E-11
E2F7	0.6168	1.5680E-10	0.6531	5.3341E-12
NEK2	0.6131	2.1641E-10	0.7101	9.4711E-15
TOPBP1	0.6107	2.6615E-10	0.7453	8.3100E-17
ZNF367	0.6069	3.6438E-10	0.7068	1.4176E-14
E2F8	0.6068	3.6985E-10	0.6223	9.6554E-11
ZWILCH	0.6035	4.8786E-10	0.6619	2.1866E-12