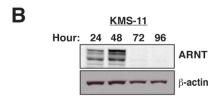
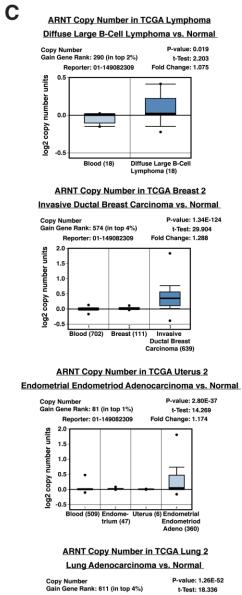
Aryl hydrocarbon receptor nuclear translocator (ARNT) isoforms control lymphoid cancer cell proliferation through differentially regulating tumor suppressor p53 activity

Supplementary Material

SAMPLE	LOCUS	COPY NUMBER	С
ANBL6	ARNT	2.180088282	
ARP1	ARNT	4.577002048	
CAG	ARNT	5.570586205	
DELTA47	ARNT	5.709896564	
EJM	ARNT	2.310377598	
FLAM76	ARNT	2.126859426	
FR4	ARNT	4.735713959	
H1112	ARNT	2.823943138	
INA6	ARNT	2.428283453	
JIM3	ARNT	8.066644669	
JJN3	ARNT	3.354818106	
JK6L	ARNT	4.207172871	
KARPAS620	ARNT	2.560871601	
KHM11	ARNT	5.286267757	
KHM1B	ARNT	7.544189453	
KMM1	ARNT	2.841897726	
KMS11	ARNT	3.987119675	
KMS12BM	ARNT	2.827967167	
KMS12PE	ARNT	3.253892899	
KMS18	ARNT	3.421411276	
KMS20	ARNT	6.815284252	
KMS26	ARNT	2.981743097	
KMS28BM	ARNT	3.274240494	
KMS28PE	ARNT	3.511126518	
KMS34	ARNT	2.48257041	
L363	ARNT	2.905746937	
LP1	ARNT	4.724547863	
MM1R	ARNT	3.193591356	
MM1S	ARNT	3.315104723	
MM_M1	ARNT	4.242246628	
NCIH929	ARNT	4.868062496	
OCIMY1	ARNT	2.045366049	
OCIMY5	ARNT	1.985526204	
OCIMY7	ARNT	3.692774534	<u>En</u>
OPM1	ARNT	3.624837637	
OPM2	ARNT	5.21121788	
PE1	ARNT	2.668722868	
PE2	ARNT	2.939680099	
RPMI8226	ARNT	3.811626434	
SACHI	ARNT	2.053567886	
SKMM1	ARNT	4.144442558	
SKMM2	ARNT	4.144442558 2.115360737	
U266	ARNT	3.01539278	
UTMC2	ARNT	3.401702642	
XG1	ARNT	2.899944782	
XG2	ARNT	2.990574598	
XG6	ARNT	3.940377474	
XG7	ARNT	5.152966022	





Reporter: 01-149082309

Blood (677) Lung (397)

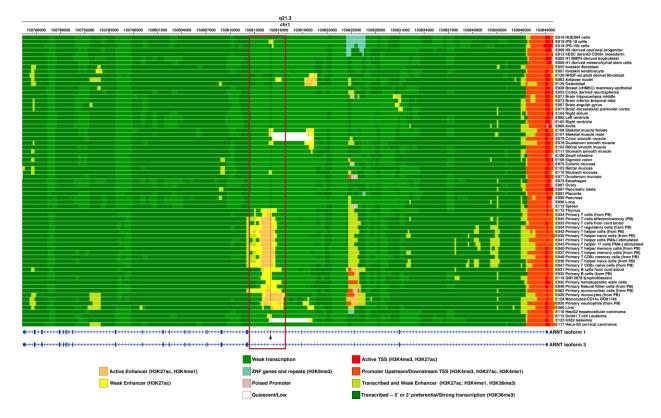
t-Test: 18.336

Fold Change: 1.207

Supplemental Figure 1: Shown in this figure is expanded ARNT copy number analysis of human myeloma cell lines and Oncomine analysis of ARNT copy number in various cancer types.

1.0

0.5 copy 0.0



Supplemental Figure 2: Epigenomic profiles of the ARNT locus obtained from data sets from the NIH Roadmap Epigenomics Consortium, indicating a unique difference between histone modifications between primary lymphoid cells and cancer cells.