

Human Leukemia PCR Array

Differentially Methylated Promoters: APAF1, CADM1, CDH1, CDH13, CDKN1A, CDKN1B, CDKN1C, CDKN2B, DAPK1, DKK3, DLC1, EGR3, HIC1, JUNB, MEIS1, MLH1, NPM1, PTEN, SFRP2, SFRP4, SFRP5, SOCS1, TP53, WIF1.

BCR-ABL Pathway: ABL1, BCR, GRB2, JAK2, SHC1, STAT3, STAT5A, STAT5B.

JAK-STAT Signaling: AKT1, CSF3, IFNA1, IL4, IL6, JAK2, STAT1, STAT3, STAT5A, STAT5B, SOCS1.

Hemopoiesis: BCL2, CSF3, CTNNB1, IL4, JAK2, LMO2, PML, RUNX1, STAT5A, STAT5B, TAL1, TP53.

Myeloid Cell Differentiation: CTNNB1, FOXO3, IL4, JUN, LMO2, RUNX1, SPI1, STAT5A, STAT5B, TAL1.

Immune System Development: BCL2, CSF3, CTNNB1, IL4, JAK2, LMO2, MLH1, PML, RUNX1, STAT5A, STAT5B, TAL1, TLX1, TP53.

Lymphocyte Proliferation/Differentiation: BCL2, CSF3, CTNNB1, IL4, IL6, STAT5A, STAT5B.

Cytokines & Chemokines: CCL3, CSF3, CXCL10, IFNA1, IL1R1, IL4, IL6, IL8, IL10, IL12A.

Malignancy: BAALC, BMPR1B, BTG3, CD34, CDC42EP3, CTGF, GAS2L3, MN1, NR4A3, RGS12.

Leukemia Therapeutic Targets: AKT1, ALOX5, BCL2, CTNNB1, FGR, FOXO3, HCK, HDAC1, HSP90AA1, IFNA1, JAK2, MCL1, MERTK, MTOR, PML, PRKCB, RAC2, SMO.

Leukemia Stem Cell Transcriptional Regulators: CEBPB, GATA1, IKZF3, JUN, LMO1, LMO2, LYL1, MEIS1, NFKB1, RUNX1, RUNX2, RUNX3, SPI1, STAT1, STAT3, STAT5A, TAL1, TLX1, TLX3.