

Supplementary Table S1. Gene targets of SM acute leukemia panel

RAS pathway	<i>KRAS, NF1, NRAS, FLT3, PTPN11</i>
Receptor/kinase	<i>FBXW7, JAK1, JAK2, JAK3, NOTCH1, NOTCH3</i>
Tumor suppressor	<i>CDKN2A, CDKN2B, PTEN, TP53, RB1</i>
Transcription factor	<i>CREBBP, ETV6, GATA1, GATA2, GATA3, IKZF1, MYC, NT5C2, SETD2</i>
Others	<i>ANKRD26, ASXL1, BCOR, BRAF, CALR, CBL, CHEK1, CSF3R, DDX41, DNMT3A, EGFR, EP300, ERG, EZH2, FAM5C, HNRNPK, IDH1, IDH2, IL7R, KIT, KMT2A, MPL, NPM1, PAX5, PDGFRA, PHF6, PRAME, RAD21, RUNX1, SETBP1, SF3B1, SH2B3, SMC1A, SMC3, SRSF2, STAG2, TERT, TET2, TPMT, U2AF1, WTI, ZRSR2</i>