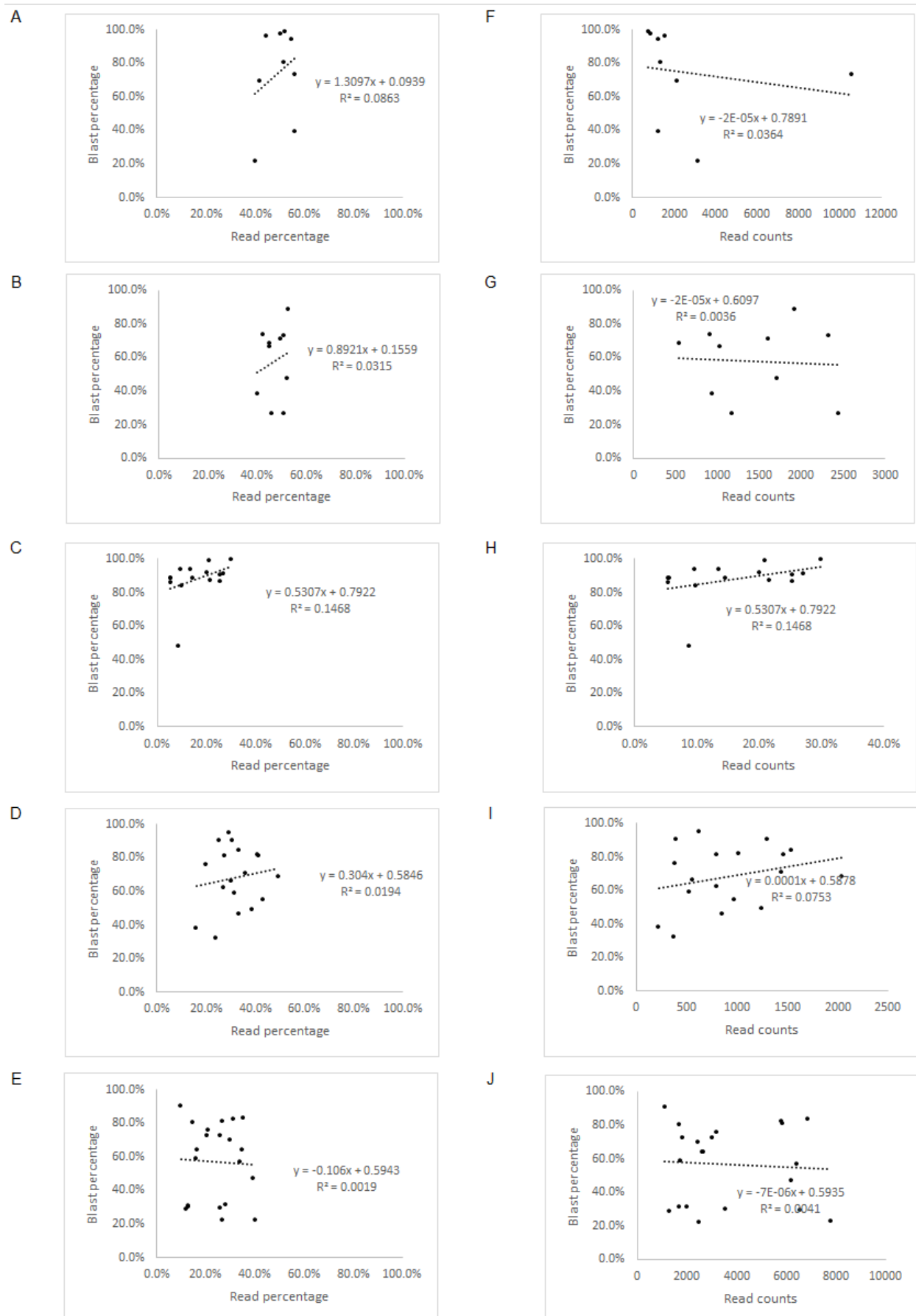# Supplementary Materials: Real-World Clinical Utility of Targeted RNA Sequencing in Leukemia Diagnosis and Management

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Text S1. The list of 199 target genes of the Archer FusionPlex Pan-Heme kit (ArcherDX, Boulder, Colorado).

ABL1, ABL2, AICDA, AKT3, ALK, ASB13, ASXL1, BATF3, BAX, BCL11B, BCL2, BCL2A1, BCL3, BCL6, BCR, BIRC3, BLNK, BMF, BMP7, BRAF, BTK, CALR, CARD11, CBFB, CBL, CCDC50, CCND1, CCND2, CCND3, CD274, CD44, CD79B, CDC25A, CDK6, CDKN2A, CDKN2B, CEBPA, CEBPD, CEBPE, CEBPG, CHD1, CHIC2, CIITA, CREB3L2, CREBBP, CRLF2, CSF1R, CSF3R, CTLA4, CYB5R2, DCK, DEK, DENND3, DLEU1, DNM2, DNMT3A, DNMT3B, DNTT, DUSP22, E2F2, EBF1, EIF4A1, ENTPD1, EPOR, ERG, ETV6, EXOC2, EZH2, FAM216A, FBXW7, FGFR1, FGFR2, FGFR3, FLT3, FOXP1, FUT8, GATA1, GATA2, GLIS2, GNAS, HOXA10, HOXA9, ID4, IDH1, IDH2, IKZF1, IKZF2, IKZF3, IL16, IL7R, IRF4, IRF8, ITPKB, JAK1, JAK2, JAK3, KAT6A, KDM6A, KIAA0101, KIT, KLF2, KMT2A, KRAS, LIMD1, LMO1, LMO2, LRMP, LYL1, LZTS1, MAL, MALT1, MAML3, MECOM, MKL1, MLF1, MLLT10, MLLT4, MME, MPL, MUC1, MYBL1, MYC, MYD88, MYH11, NEK6, NF1, NFKB1, NFKB2, NME1, NOTCH1, NOTCH2, NPM1, NRAS, NT5C2, NTRK3, NUP214, NUP98, P2RY8, PAG1, PAICS, PAX5, PBX1, PDCD1, PDCD1LG2, PDGFRA, PDGFRB, PHF6, PICALM, PIM1, PIM2, PLCG1, PLCG2, PML, PPAT, PRDM16, PRKAR2B, PTK2B, PTPN1, PTPN11, PYCR1, RAB7L1, RAG1, RAG2, RANBP1, RARA, RBM15, RHOA, ROS1, RUNX1, RUNX1T1, S1PR2, SEMA6A, SERPINA9, SETBP1, SETD2, SF3B1, SH2B3, SH3BP5, SLC29A1, SOX11, SRSF2, STAT3, STAT5B, STAT6, STIL, STRBP, TAL1, TCF3, TFG, TLX1, TLX3, TNFRSF13B, TNFSF4, TP63, TYK2, U2AF1, WT1, XPO1, ZCCHC7

A

y = 1.3097x + 0.0939
R² = 0.0863

B

y = 0.8921x + 0.1559
R² = 0.0315

C

y = 0.5307x + 0.7922
R² = 0.1468

D

y = 0.304x + 0.5846
R² = 0.0194

E

y = -0.106x + 0.5943
R² = 0.0019

F

y = -2E-05x + 0.7891
R² = 0.0364

G

y = -2E-05x + 0.6097
R² = 0.0036

H

y = 0.5307x + 0.7922
R² = 0.1468

I

y = 0.0001x + 0.5878
R² = 0.0753

J

y = -7E-06x + 0.5935
R² = 0.0041

Figure S1. Comparison of the read percentage in NGS fusion with the blast percentage within (A) *BCR::ABL1*, (B) *CBFB::MYH11*, (C) *ETV6::RUNX1*, (D) *PML::RARA*, and (E) *RUNX1::RUNX1T1*. Comparison of the read count in NGS fusion with the blast percentage within (F) *BCR::ABL1*, (G) *CBFB::MYH11*, (H) *ETV6::RUNX1*, (I) *PML::RARA*, and (J) *RUNX1::RUNX1T1*.