

Serial next-generation sequencing for detecting germline predisposition in acute myeloid leukemia

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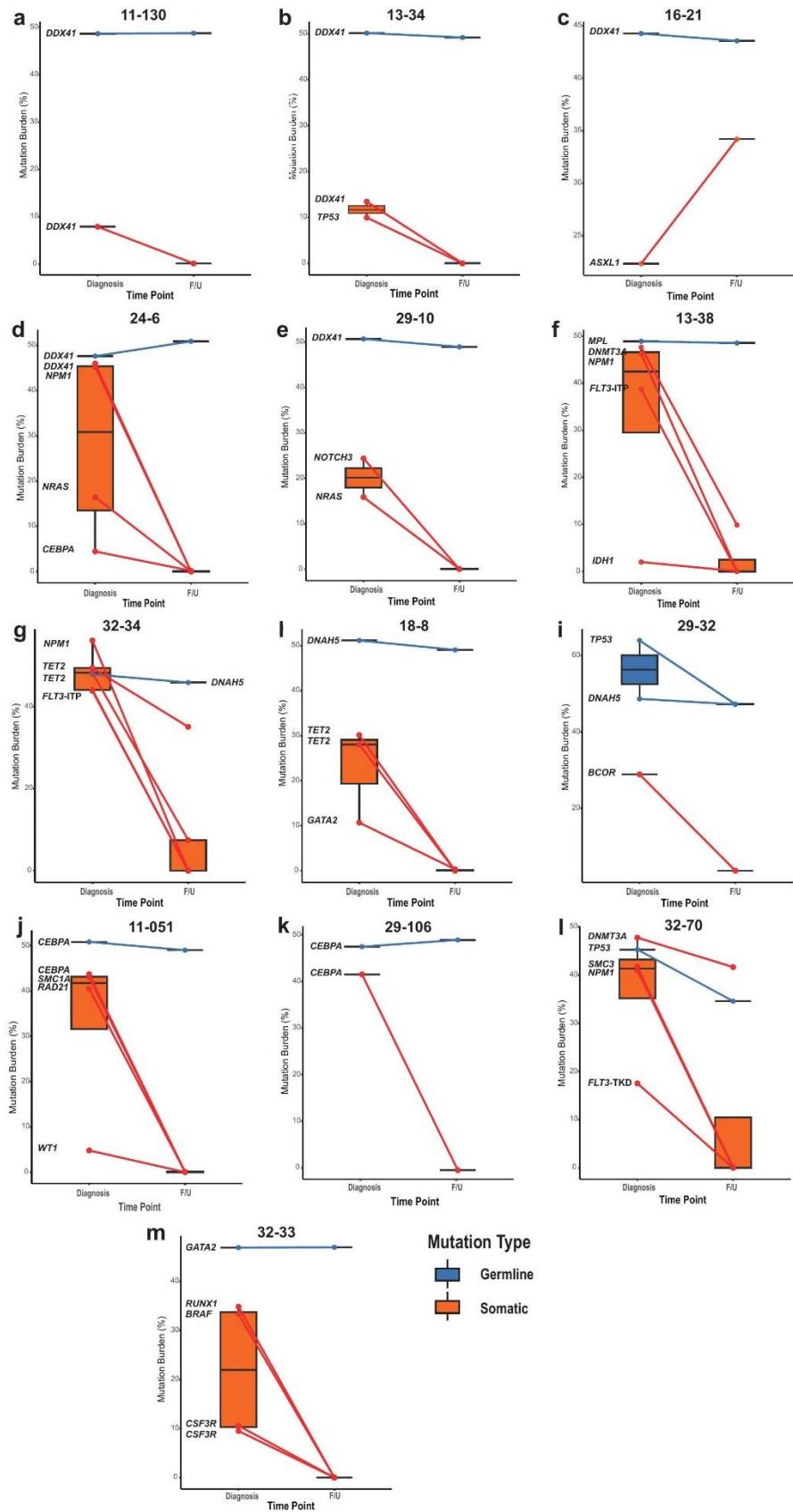


Figure S1. The dynamics of germline and somatic variant allele frequencies (VAFs) of mutations at diagnosis and at complete remission (CR) in each patient. F/U, follow-up.

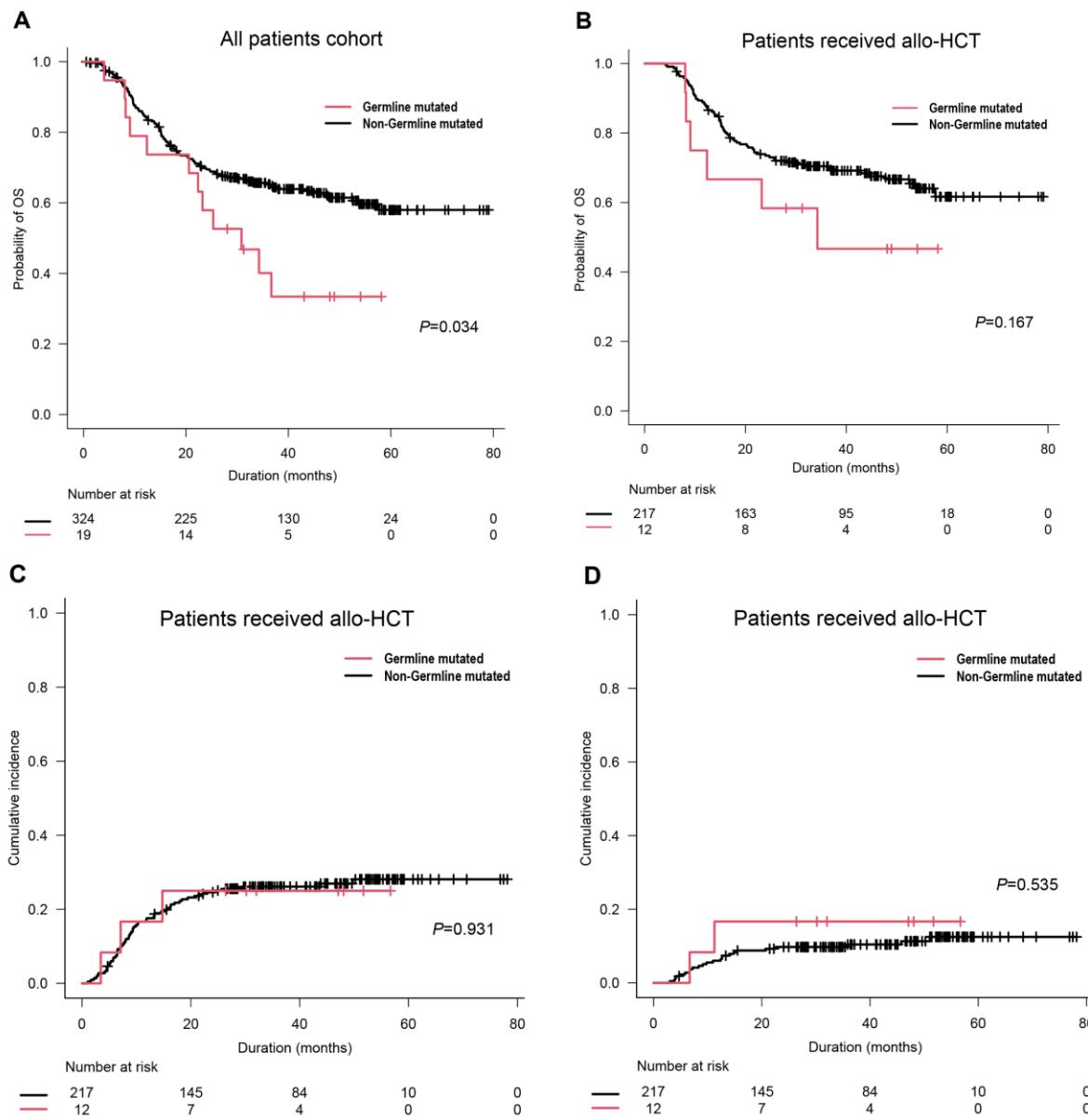


Figure S2. Prognostic significance according to presence of germline mutations. (A) Overall survival (OS) of entire patient cohort based on germline mutation status. (B) OS, (C) cumulative incidence of relapse, and (D) cumulative incidence of non-relapse mortality of patients who underwent allogeneic hematopoietic cell transplantation (HCT) stratified by germline mutation status.

Table S1. The list of 83 targeted genes

List of 83 targeted genes
<i>ABL1</i>
<i>ARID2</i>
<i>ASXL1</i>
<i>ASXL2</i>
<i>ATRX</i>
<i>BCOR</i>
<i>BCORL1</i>
<i>BRAF</i>
<i>CALR</i>
<i>CBL</i>
<i>CBLB</i>
<i>CBLC</i>
<i>CCND2</i>
<i>CDKN2A</i>
<i>CEBPA</i>
<i>CREBBP</i>
<i>CSF3R</i>
<i>CUX1</i>
<i>DDX41</i>
<i>DDX5</i>
<i>DDX6</i>
<i>DNAH11</i>
<i>DNAH5</i>
<i>DNAI1</i>
<i>DNMT3A</i>
<i>ETV6</i>
<i>EZH2</i>
<i>FBXW7</i>
<i>FLT3</i>
<i>FOXP1</i>
<i>GATA1</i>
<i>GATA2</i>
<i>GNAS</i>
<i>GNB1</i>
<i>HMGCLL1</i>
<i>HRAS</i>
<i>IDH1</i>
<i>IDH2</i>
<i>IKZF1</i>
<i>JAK1</i>
<i>JAK2</i>
<i>JAK3</i>
<i>KDM6A</i>

KIT
KMT2A
KMT2C
KRAS
MECOM
MGA
MN1
MPL
MYD88
NDC80
NF1
NOTCH1
NOTCH3
NPM1
NRAS
PDGFRA
PDGFRB
PHF6
PIGA
PPM1D
PTEN
PTPN11
RAD21
RB1
RUNX1
SETBP1
SF3A1
SF3B1
SF3B2
SMC1A
SMC3
SRSF2
STAG2
SUZ12
TET2
TP53
TP63
U2AF1
WT1
ZRSR2
