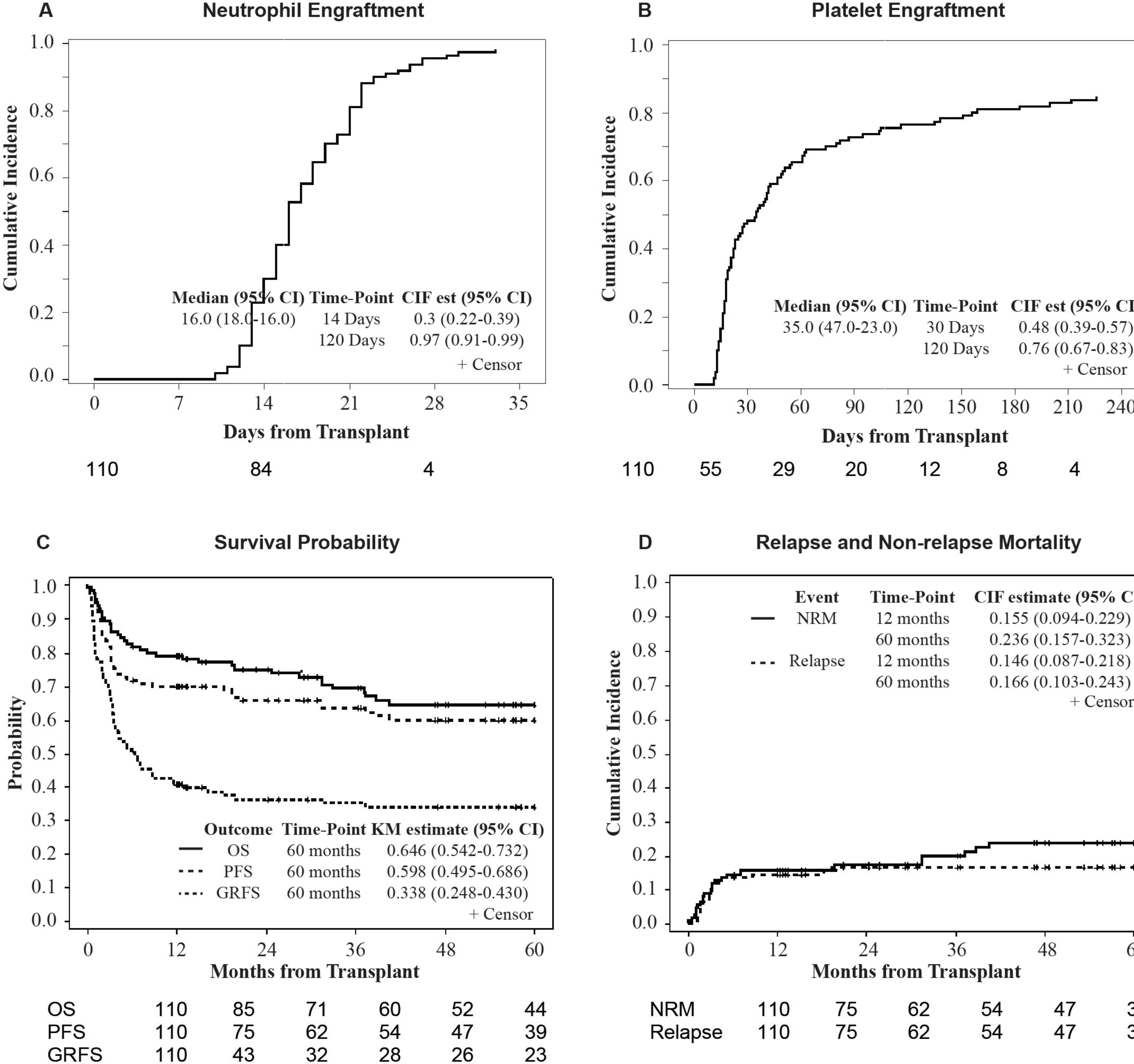


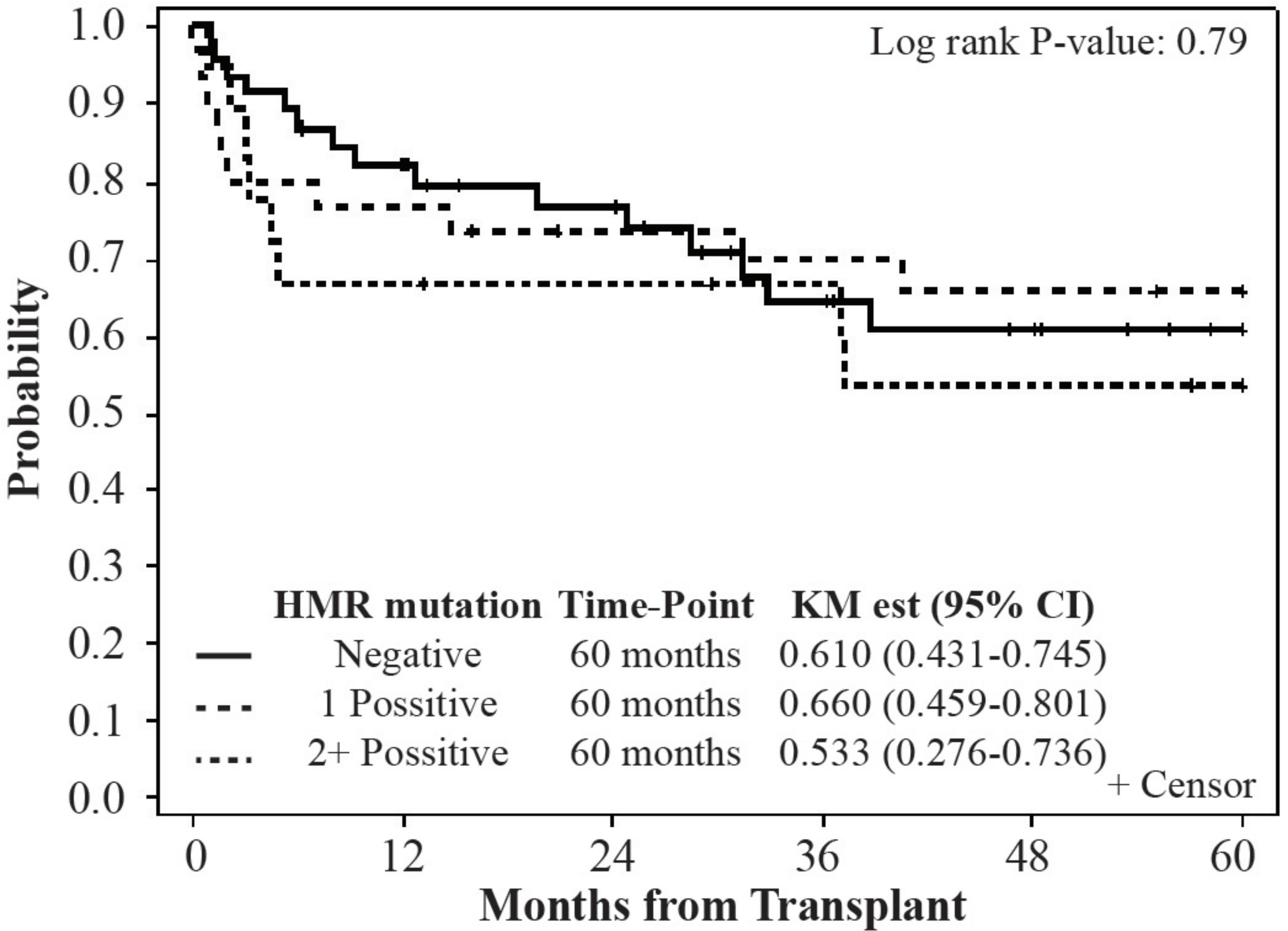
Supplement table 1- List of sequenced genes

<i>ASXL1</i>	<i>CBLB</i>	<i>DNMT3A</i>	<i>IDH1</i>	<i>KMT2A</i>	<i>NOTCH1</i>	<i>PTPN11</i>	<i>TET2</i>
<i>ATM</i>	<i>CCND1</i>	<i>EP300</i>	<i>IDH2</i>	<i>KMT2C</i>	<i>NOTCH2</i>	<i>RUNX1</i>	<i>TNFAIP3</i>
<i>BCOR</i>	<i>CCND3</i>	<i>ETV6</i>	<i>IKZF1</i>	<i>KMT2D</i>	<i>NPM1</i>	<i>SETBP1</i>	<i>TP53</i>
<i>BIRC3</i>	<i>CD79A</i>	<i>EZH2</i>	<i>IL7R</i>	<i>KRAS</i>	<i>NRAS</i>	<i>SF3B1</i>	<i>U2AF1</i>
<i>BRAF</i>	<i>CD79B</i>	<i>FBXW7</i>	<i>JAK1</i>	<i>MEF2B</i>	<i>PAX5</i>	<i>SPI1</i>	<i>UBR5</i>
<i>BTK</i>	<i>CDKN2A</i>	<i>GATA1</i>	<i>JAK2</i>	<i>MIR142</i>	<i>PDGFRA</i>	<i>SRSF2</i>	<i>WHSC1</i>
<i>CALR</i>	<i>CEBPA</i>	<i>GATA2</i>	<i>JAK3</i>	<i>MPL</i>	<i>PHF6</i>	<i>STAG2</i>	<i>WHSC1L1</i>
<i>CARD11</i>	<i>CREBBP</i>	<i>HRAS</i>	<i>KDM6A</i>	<i>MYC</i>	<i>PIK3CA</i>	<i>SUZ12</i>	<i>WT1</i>
<i>CBL</i>	<i>CSF3R</i>	<i>ID3</i>	<i>KIT</i>	<i>MYD88</i>	<i>PTEN</i>	<i>TCF3</i>	<i>ZRSR2</i>



Supplementary Figure 1. AlloHCT outcomes (A) Neutrophil engraftment at 14 and 120 days post alloHCT, (B) Platelet engraftment at 30 and 120 days post allo-HCT, (C) Overall survival, progression-free survival, and GVHD-free relapse-free survival at 60 months post allo-HCT, and (D) Relapse and non-relapse mortality at 12 and 60 months post alloHCT.

Survival Outcome Post AlloHCT

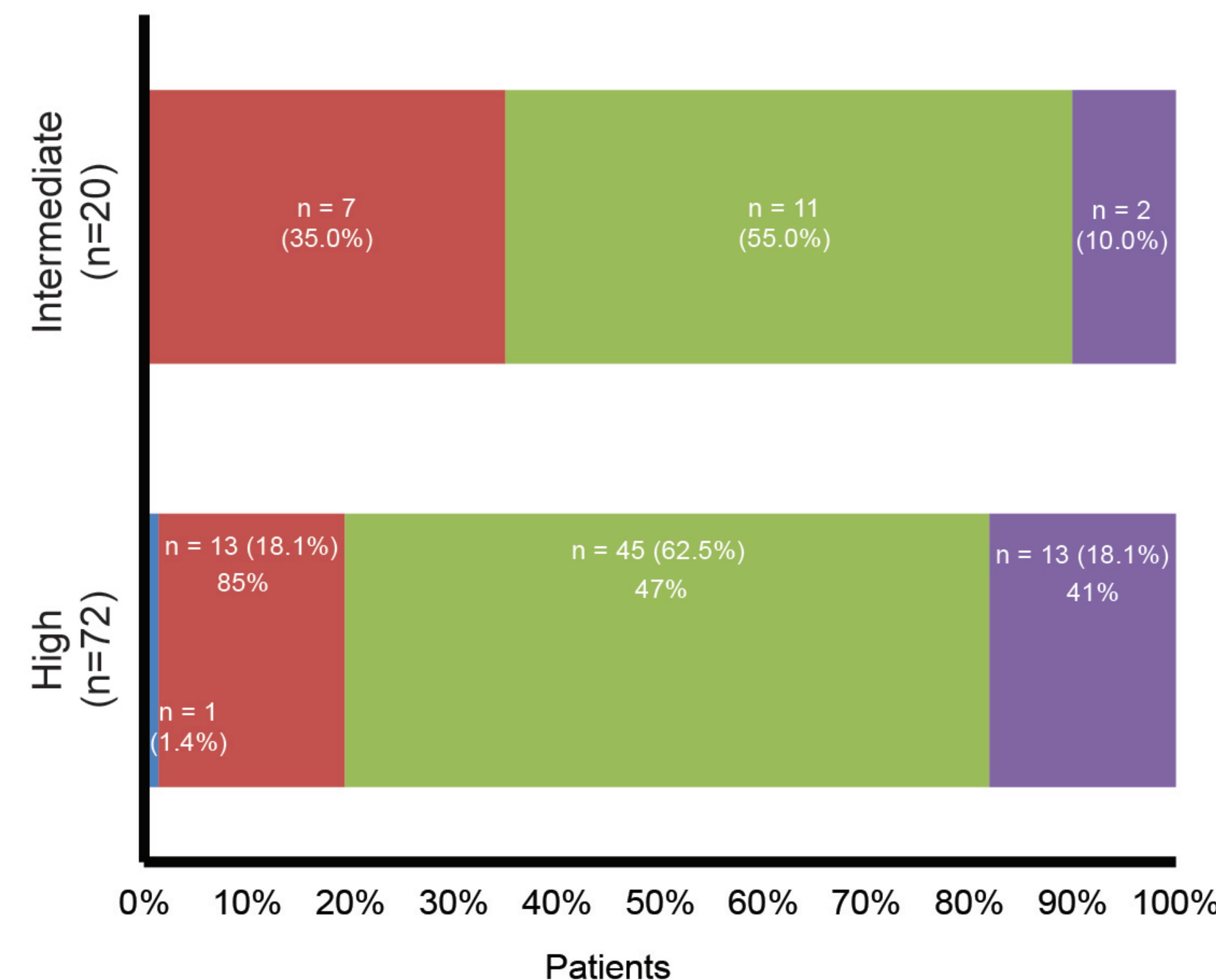


Negative	45	35	28	20	16	11
1 Positive	30	23	20	19	18	17
2+ Positive	18	12	11	10	8	7

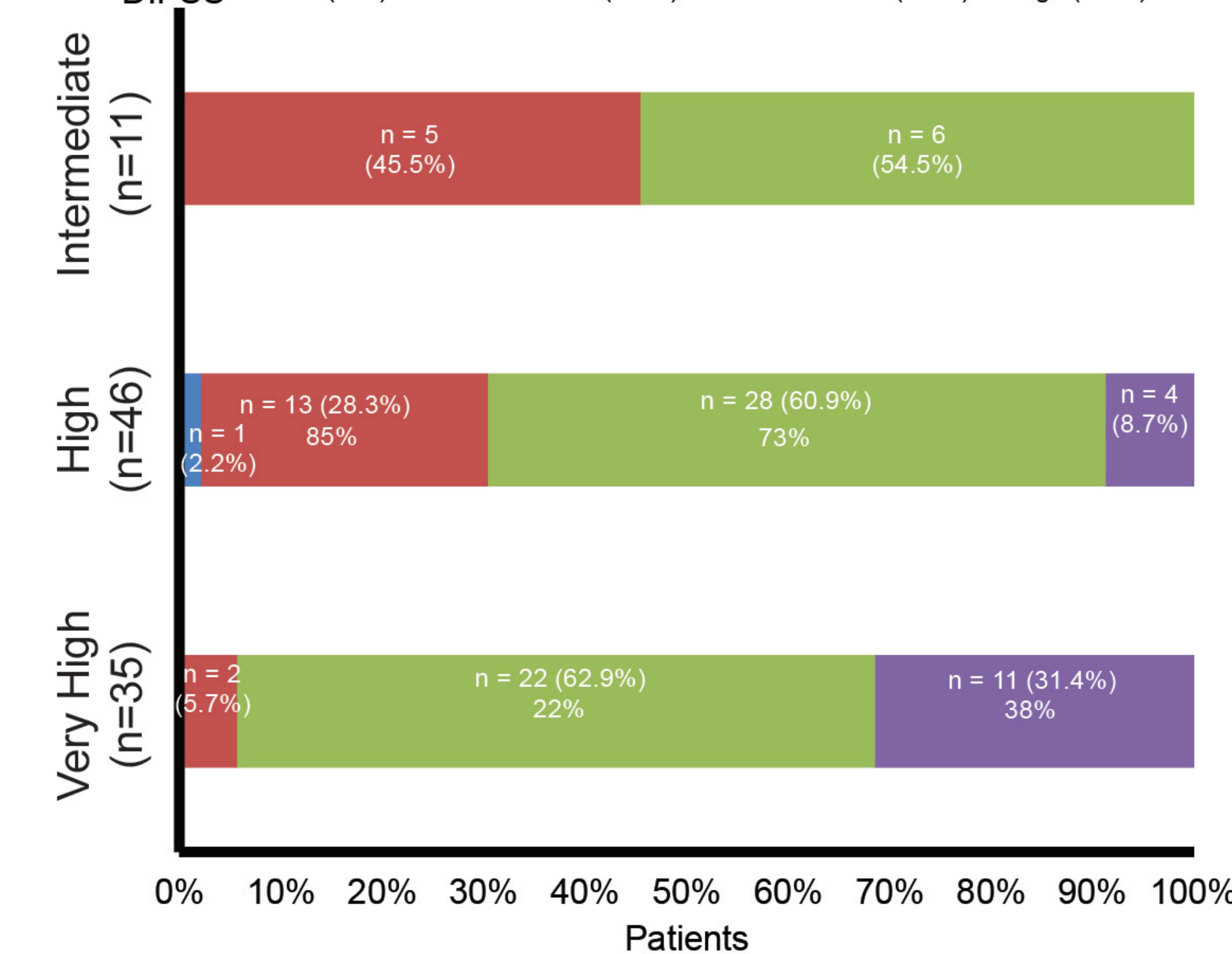
Supplementary Figure 2. Survival outcome at 60 months post alloHCT based on the HMR status (negative, 1 or 2+ positive).

A**MIPSS70**

DIPSS ■ Low (n=1) ■ Intermediate-1 (n=20) ■ Intermediate-2 (n=56) ■ High (n=15)

**B****MIPSS70+ V2.0**

DIPSS ■ Low (n=1) ■ Intermediate-1 (n=20) ■ Intermediate-2 (n=56) ■ High (n=15)



Supplementary Figure 3. Comparison of patients' distribution by DIPSS category with (A) MIPSS70 and (B) MIPSS70+ V2.0