

Supplementary Table S1. Mice samples analyzed.

Genotype	Diagnosis	Tissue	Number	Age, median (range), months
<i>NHD13</i>	MDS	BM	3	12 (9-12)
<i>NHD13</i>	AML	Spl	16	11.2 (8-15)
<i>NHD13</i>	MPN	Spl	3	7.3 (5-11)
<i>NHD13</i>	AMKL	Spl	1	9
<i>NHD13</i>	ErytLeuk	Spl	1	14
<i>RUNX1</i> (D171N)	MDS	BM	8	10.6 (7.6-15.8)
<i>RUNX1</i> (D171N)	MDS	Spl	9	11.1 (8.2-15.8)
<i>RUNX1</i> (S291fs)	MDS	BM	5	10.2 (7.6-12.3)
<i>RUNX1</i> (S291fs)	MDS	Spl	6	9.4 (7.6-12.3)
WT		BM	34	19.5 (1-36)
WT		Spl	34	24.3 (2.9-35.2)

MDS: Myelodysplastic syndrome

AML: Acute myeloid leukemia

MPN: Myeloproliferative neoplasms

AMKL: Acute megakaryocytic leukemia

ErytLeuk: Erythroid leukemia

BM: Bone marrow

Spl: Spleen