

Table EV1: Oligonucleotide sequence information**Primers used for genotyping**

Allele	Sequence (5' – 3')
All <i>Pax5-Jak2</i> variants	GGTTCTGAGGGTCCAGGAAT
	AGGTTTCAGCCCTTGGAGAAT
	CGAGAACTTGTTTATTGCAGCTT
Deletion of <i>LoxP</i> -Stop- <i>LoxP</i>	CATGTCTGAGATCCCATATGAATAA (F2)
	CGACCAGCACTGTAGCACAC (R)
	GGTTCTGAGGGTCCAGGAAT (F1)
Amplification exon 2 for sequencing of <i>Pax5Prd[*]-Jak2</i>	AAAGGCCATCTAGGATCCTTATGTCATCCG
	TTTCACAGCTACTTTGAATAGGGTGATCT
Amplification <i>Pax5-Jak2</i> junction for sequencing <i>Pax5-Jak2-KD</i>	AGTCCCAGCTTCCAGTCAC
	TCCGTTCTTTATGTTTTGAAGA

Primers used for quantitative genomic PCR

Allele	Sequence (5' – 3')
control 1 (35 Mb upstream of <i>Pax5</i> ; Fig 3F; <i>Car8</i>)	ACAATGACCAACACGGCCAAAT
	GTTCCAGGAATGATTTCTCTC
control 2 (22 Mb downstream of <i>Pax5</i> ; Fig S3A)	TAATCCAAGAAAGCTTTGTTA
	TCATTACTGGTCTCTTCCAGC
<i>Pax5-Jak2</i>	GACACCAACAAGCGCAAGAG
	CGGTCTTCAAAGGCACCAGA
<i>Pax5</i>	TCTCTCGGTAGGGATGATGC
	ACCCATAGTCCCAGCACATG

Primers used for ChIP verification

Site	Sequence (5' – 3')
Control	CATAGATGAAGCTGCCACATAGGT
	GTGGGCAAGGACAAAGCATT
Site A	TAGTGTCGCCTGTGTTCTGC
	CGCTGAGGAGCTATGGATGG
Site B	CCTGCTGGAGTCCATGAGAT
	CTGACAACACTTCCGTCCCC
Site C	TGTGTGAGTGCAATCTCATCA
	TGGCAACTGAGTGAAGCATAGA
Site D	GCCAGGGCAGGAAATGTTTG
	TGGCTAAAAGCTACGCTGGT

Primers used for gene expression analysis

Gene	Sequence (5' – 3')
<i>Tbp</i>	TTCGTGCAAGAAATGCTGAA
	CAGTTGTCCGTGGCTCTCTT
<i>Pax5-Jak2</i>	GACACCAACAAGCGCAAGAG
	CGGTCTTCAAAGGCACCAGA

sgRNAs used for CRISPR/Cas9-mediated generation of the *Pax5* (Prd^{*}-*Jak2*) and *Pax5* (*Jak2*-KD) alleles

Gene	Sequence (5' – 3')
<i>Pax5</i> (Prd [*] - <i>Jak2</i>)	TCCAGATGTAGTCCGCCAA
<i>Pax5</i> (<i>Jak2</i> -KD)	TCTACAGGACAACACTGGGG