

## S1 Table. Genotyping primers and PCR conditions

### Gene Trap Mice

Primer	Sequence
KOMP universal	CACAACGGGTTCTTCTGTTAGTCC
Gene Trap	GAATCAAGACTAGAAAGGCGACTACTG

### Floxed Mice

Primer	Sequence
<i>Setdb2</i> 3' universal	CACAACGGGTTCTTCTGTTAGTCC
<i>Setdb2</i> wild-type	GAATCAAGACTAGAAAGGCGACTACTG
KOMP allele	TCTATAGTCGCAGTAGGCGG

### PCR conditions

Cycles	Temperature	Time
1	95°C	2 min
25	95°C	30 sec
	57°C	40 sec
	72°C	3 min
1	72°C	7 min

### PCR products

Primers	Product
<i>Setdb2</i> 3' universal + wild-type	250 basepairs
<i>Setdb2</i> 3' universal + KOMP	900 basepairs