Laboratory of Little User Name Demo Mouse Short Name JAXMICE

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Mouse Line Description Conditional knockout of JAX1.

This line is ○ Transgene ◉ Other (Knockout, knockin, conditional etc.)

Transgenes (such as GFP) are randomly integrated into the genome. Their location and copy numbers are unknown. Genetyping result of a transgene line is "+" or "-".
Knockout, knockin and conditional lines are generated through homologous recombination. Genotyping result determines zygosity for specific genes as "+/+", "+/-" or "-/-".

PCR requirement

PCR1 JAX1Cre

Primers 5JAX + 3JAX + Cre5 + Cre3

Diagnostic band WT: 210bp; Floxed: 260; Cre: ~450

PCR2

Primers + + +

Diagnostic band

PCR3

Primers + + +

Diagnostic band

Primers:

name	sequence
5JAX	5' CTA CGG CAC AGA ATT GCC AAA TCT (demo only)
3JAX	5' GTA GGT CCC TAA TCT AGC ATC ATC C (demo only)
Cre5	5' CAT TTT CCC TAA CCT CTA TGA (demo only)
Cre3	5' CGC GAC TGC CAA TCA AAG TTT (demo only)
	5'
	5'

Note:
Special PCR conditions; additional primers, etc.

GENETYPER