

## SJL/J Lgals1tm1Rob

### **PCR protocol taken from EMMA submission form.**

#### Strain genetic description

Gal1<sup>-/-</sup> 129Sv mice were generated as in Poirier F and Robertson E (1993) Development 119, 1229 . 1236. Exon 2, encoding the carbohydrate-binding domain, was replaced with a neomycin selection cassette. Western blot analysis and immunostaining of sections showed an absence of encoded protein in muscle tissue obtained from adult homozygous mutant mice. To change the background strain of this mouse homozygote Gal1<sup>-/-</sup> 129sv was cross-bred with a SJL/J mouse. Backcross 2 - 10 were heterozygous Gal1<sup>-/-</sup> SJL with SJL, heterozygous breeding was alternated each generation with male and female.

#### Galectin 1 PCR protocol

Galectin 1:

Forward 5. CTC AGT GGC TAC ATC TGT AAA ATG G

Reverse 3. TTC TTT GAC ATT TGA ACC CTA TAC C 3.

Neo: GTG GTC TTG ACA AAA AGA ACC

PCR Settings:

94oC 2min 1 cycle

94oC 45sec, 60oC 1min, 72oC 1min, - 35 cycles

Product:

Wiltpe 478bp fragment.

Knockout 694bp.