Genotyping RBP-Jk (CSL, RPBsuh) Flox, Del and WT mice

JDW 10/2011
MGI: 3583755


Note: You must sign an MTA before importing these mice into another colony.

Primers currently being used:

Floxed and WT:
- 10X Buffer: 2.5 ul 95
- JDW 16 (DY223): ACCAGAATCTGTGTTATTTGCATTACTG 10 mM dNTPs: 0.5 ul 95
- JDW 17 (DY225): ATGTACATTTTGACTCAAGAGATGGATG FOR @ 100 uM: 0.1 ul 59
- Flox: REV @ 100 uM: 0.1 ul 72
- Wild-type: 10 ul Taq 0.25 ul repeat 34X
- ddH2O: 20.55 ul 72
- 25 ul T.V. 16 forever

Deleted / KO:
- JDW 16 (DY223): ACCAGAATCTGTGTTATTTGCATTACTG
- JDW 18 (RBPJ-Δ(yh)): TCCACCAGATTGGCTTGAG

Deleted: 700-800bp (*still gives a band for WT > 1kb)

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<th>DEL ALLELE</th>
<th>WT ALLELE</th>
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<td>Flox / WT</td>
<td>WT/WT</td>
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From the paper:
Deletion of the floxed RBP-J allele and wild-type RBP-J exons was detected by PCR using the following primers: Floxed1: 5’-GAAGGTCGTTGACACACAGATGCC-3’; Floxed2: 5’-GCAATCCATCTTGGCTAGGAC-3’; WT1: 5’-GTTCTTAAACCTTGGTCGAAACC-3’; WT2: 5’-GCTTGAAGGCTTGATGTTCTGTATTGC-3’.

From Krebs LT, et al., 2004, G&D. The Rbpsuh null allele was genotyped using primers TAGACCTTGGTGTGTTGTTT and CCATAGGAAAACATCCACAGC, which span the deleted region.