



**EMMA**  
mouse repository



**INFRAFRONTIER**  
mouse disease models

**CNB-CSIC Mouse Embryo Cryopreservation Facility – Spanish EMMA node**

**GENOTYPING PROTOCOL**

|                                     |                                                                                 |
|-------------------------------------|---------------------------------------------------------------------------------|
| EMMA ID number                      | <b>EM:02619</b>                                                                 |
| Mouse mutant strain                 | <b>B6.129S1(Cg)-Lif<sup>tm1Stw</sup>/Cnbc</b>                                   |
| Gene/Locus affected                 | <b>Lif</b>                                                                      |
| MGI ID number                       | <b>MGI:2177780</b>                                                              |
| Mouse strain common name            | <b>Lif-KO</b>                                                                   |
| Owner/Provider of this mouse strain | <b>Jose Manuel Garcia Pichel</b>                                                |
| DNA primers for wild-type allele    | Lif-F: 5'-CGCCTAACATGACAGACTTCCCAT-3' ?<br>Lif-R: 5'-AGGCCCTCATGACGTCTATAGTA-3' |
| PCR conditions for wild-type allele | Program: 2'94°;30x(1'94°,30"63°,30"72°);10'72°<br>PCR product: 200 bp           |
| DNA primers for mutant allele       | Neo-F: 5'-GCTTGGGTGGAGAGGCTATTC-3'<br>Neo-R: 5'-CAAGGTGAGATGACAGGAGATC-3'       |
| PCR conditions for mutant allele    | Program: 2'94°;30x(1'94°,30"63°,30"72°);10'72°<br>PCR product: 284 bp           |
| Source of genotyping information    | <b>Provider or PubMed ID: 121321344</b>                                         |
| Comments                            | <b>Comments</b>                                                                 |