**Supplementary File 2**

Primers used for genotyping *Hells* cKO mice

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| **Name** | **Sequence** | **Genotype** | |  | **Annealing Temperature** | |
| ***Hells 5’arm F1*** | TGTGCTTTGGACTAGAGATGTAGC |  | WT: 397bp  *Hellsfl*: 559bp  *Hells-*: - | | 60°C | |
| ***Hells Ex12 R2*** | ACATTGTTCCAAAAATTCAAAAGG |  |
| ***Hells 5’arm F2*** | AGACCAAGCTGGCCTCAAACTC |  | WT, *Hellsfl*: -  *Hells-*: 255bp | | 60°C | |
| ***Hells 3’arm R1*** | GTATGCACTAAAGAACGACAAGGA |  |
| ***Stra8 cnt FW*** | CTAGGCCACAGAATTGAAAGATCT |  | Control PCR: 324bp | | 60°C |
| ***Stra8 cnt RV*** | GTAGGTGGAAATTCTAGCATCATCC |  |
| ***Stra8 tg FW*** | GTGCAAGCTGAACAACAGGA |  | No transgene: -  *Stra8-Cre*: ~150bp | | 60°C |
| ***Stra8 tg RV*** | AGGGACACAGCATTGGAGTC |  |