**PCR Genotyping of *Cre***

(Applied to all the regular Cre lines)

**PCR primers (5’-3’)**

Cre2022-F GCAGAACCTGAAGATGTTCGC

Cre2022-R ACACCAGAGACGGAAATCCATC

**Product Sizes** 494 bp

**Gel type**  1% Agarose 10-20min

**PCR Reaction Mix**

10 µl Green Master Mix (Promega M7122)

 7 µl di-H2O

 1 µl Forward/Reverse primer mix \*

 2 µl gDNA

20 µl

\*to make primer mix, add 10 µl of forward primer (100 µM stock) and 10 µl of reversed primer (100 µM stock) to 80 µl of di-H2O.

**PCR Program (Genotyping)**

1. 94 °C 2min



1. 94 °C 15sec
2. 63 °C 15sec

-0.5°C/cycle

1. 72 °C 30sec
2. Go to 2, repeat 10x
3. 94 °C 15sec
4. 60 °C 15sec
5. 72 °C 30sec
6. Go to 6, repeat 28x
7. Keep at 12 °C

Total program takes 1h 15 min