

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	30819
MMRRC Strain Name	FVB/NJ-Tg(GFAP-cre/Esr1*,-lacZ)ASbk/Mmnc
Gene Name(s)	Tg(GFAP-cre/Esr1*,-lacZ)Asbk
Breeding Protocol(s)	Backcross Hemizygotes to FVB/NJ
Protocol Date	10/28/13

MMRRC# 30819 PCR Reaction

Denaturing: 94°C for 45 sec
 Annealing Temp: 55°C for 45 sec
 Extension: 72°C for 60 sec
 Cycles: 30
 Taq: **Apex and Chromataq 10X Buffer**

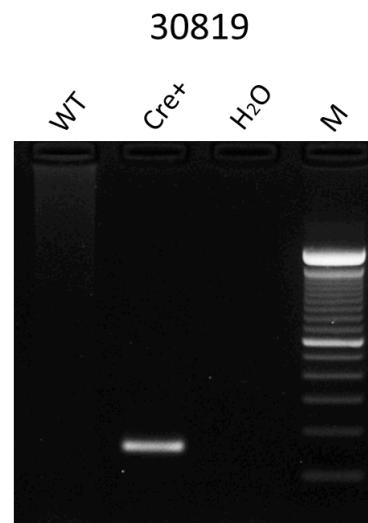
Bands: Cre: ~200bp

	1X
DNA	1.0
10X Buffer	2.5
10mM dNTPs	1.0
20 uM Primer 1 & 2	1.0
Taq	1.0
ddH ₂ O	16.5
25mM MgCl ₂	1.5

Primer sequences 5' to 3': Primers are 10uM with respect to each primer (20uM total).

GFAP CreF: AGC GAT CGC TGC CAG GAT
GFAP CreR: ACC AGC GTT TTC GTT CTG CC

Run on 2.0% agarose gel in TAE.



M: 100 bp DNA ladder (Invitrogen)