

Genotyping protocol

EM:13801

C57BL/6-Tg(Gpr101-cre)BKldr/Kctt

Primers

Cre FW 5' ACG AGT GAT GAG GTT CGC AAG A 3'
Cre REV 5' ACC GAC GAT GAA GCA TGT TTA G 3'

PCR profile

95 °C, 3 min

95 °C, 30 s

55 °C, 30 s

30 cycles

72 °C, 40 s

72 °C, 10 min

4 °C, ∞

PCR mix

10 x PCR Buffer II (Life technologies)	2.0 µl
MgCl ₂ (25 mM)	1.2 µl
dNTP mix (25 mM of each nucleotide)	0.16 µl
Cre FW (100 µM)	0.1 µl
Cre REV (100 µM)	0.1 µl
AmpliTaq Gold (5 U/µl)	0.13 µl
DNA template (~ 0.5 µg tail DNA)	1.0 µl
H ₂ O	<u>15.31 µl</u>
	20 µl

Post-PCR analysis

1.5% agarose gel.

Expected pattern is Tg:250bp