

Genotyping protocol

EM:09588

B6.129-Slc17a<6tm1Kldr>/Kctt

Primers

Lox-forward 5' **CAG GCA AAA TCT GTC CAC CT** 3'
 Lox-reverse 5' **AGG GTA GGC CAA AAG CAA TC** 3'

PCR profile

95 °C, 5 min
 94 °C, 30 s 35 cycles
 55 °C, 45s
 72 °C, 1 min
 72 °C, 10 min
 4 °C, ∞

PCR mix

10 x PCR Buffer II (Life technologies)	3.0 µl
MgCl ₂ (25 mM)	1.8 µl
dNTP mix (25 mM of each nucleotide)	0.24 µl
Lox-forward (100 µM)	0.2 µl
Lox-reverse (100 µM)	0.2 µl
AmpliTaq Gold (5 U/µl)	0.2 µl
DNA template (~ 0.5 µg tail DNA)	2.0 µl
H ₂ O	<u>22.36 µl</u>
	30 µl

Post-PCR analysis

1.5% agarose gel.
 Expected pattern is **mutant: 184 bp**
Wt: 150 bp