Genotyping protocol

EM:09319

B6.129-Grin2a^{tmN596SRsp}/Kctt

Primers

2A-TM3do 5´ **GTG TGG GCC TTC TTT GCC GTC** 3´
2A-IN11up1 5´ **CAT ATA TAC AAG ACC CAT TGG AG** 3´

PCR profile

95 ˚C, 5 min

94 ˚C, 30 s — 40 cycles
50 ˚C, 30s
72 ˚C, 50s

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
2A-TM3do (100 µM)	0.15 µl
2A-IN11up1 (100 µM)	0.15 µl
AmpliTaq Gold (5 U/µl)	0.15 µl
DNA template (~ 0.5 µg tail DNA)	2.0 µl
H_2O	22.51 µl
	30 µl

Post-PCR analysis

3% agarose gel.
Expected pattern is **wt: 484bp**
Tg: 530bp