

Genotyping protocol

EM:09321

B6.Cg-Tg(Camk2a-rtTA2*M2)4Rsp/Kctt

Primers

srtTA1 5' **CCA TGT CTA GAC TGG ACA AGA G** 3'
srtTA2 5' **CTC CAG GCC ACA TAT GAT TAG** 3'

PCR profile

95 °C, 5 min

94 °C, 30 s 35 cycles

55 °C, 30s

72 °C, 45 s

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
srtTA1 (100 µM)	0.15 µl
srtTA2 (100 µM)	0.15 µl
AmpliAq Gold (5 U/µl)	0.15 µl
DNA template (~ 0.5 µg tail DNA)	2.0 µl
H ₂ O	<u>22.51 µl</u>
	30 µl

Post-PCR analysis

1.5% agarose gel.

Expected pattern is **Tg: 600bp**