

Genotyping protocol

EM:13798

B6.Cg-Dmrt3^{em1(cre)Kldr}/Kctt

Primers

Dmrt3-Cre FW	5' GAG ACT GCT GCC GTA GCT CCG 3'
Dmrt3-Cre REV	5' CTT CAT CAG AGG TGG CAT CCA CAG 3'

PCR profile

94 °C, 5 min	
95 °C, 30 s	35 cycles
60 °C, 30 s	
72 °C, 30 s	
72 °C, 7 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
Dmrt3-Cre FW (100 µM)	0.1 µl
Dmrt3-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:200bp