Genotyping protocol

EM:09720

B6.129-Msx2^{tm1Bero}/Kctt

Primers

Msx2-F 5´ GTCTTCGCTTGAGAGTTGCCA 3´
Msx2-R 5´ GTCGGACATGAGCGCCTC 3´
LacZ-3'-PCR 5´ GGCAAAGCGCCATTCGCCATTCAGGC 3´

PCR profile

95 ˚C, 5 min

95 ˚C, 20 s
55 ˚C, 30 s 35 cycles
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
Msx2-F (100 µM)	0.15 µl
Msx2-R (100 µM)	0.15 µl
LacZ-3'-PCR (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	22.36 µl
	30 µl

Post-PCR analysis

1.5% agarose gel.
Expected pattern is **wt: 225 bp**
Tg: 300 bp