

Genotyping protocol

EM:09719

B6.129S2-Msx2^{tm1.1Yvla}/Kctt

Primers

ol-Msx2F-72 5' GTCTTCGCTTGAGAGTTGCCAGCCGAGTCGC 3'
 ol-Msx2R-72 5' GTCGGACATGAGCGCCTCCACGCTGAAGG 3'
 ol-IRESR-72 5' TTCCGCTGCCTGCAAAGGGTCGCTACAGACG 3'

PCR profile

95 °C, 5 min
 95 °C, 20 s
 65 °C, 30 s 35 cycles
 72 °C, 40 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
ol-Msx2F-72 (100 µM)	0.15 µl
ol-Msx2R-72 (100 µM)	0.15 µl
ol-IRESR-72 (100 µM)	0.15 µl
AmpliTaq Gold (5 U/µl)	0.15 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 **wt: 224 bp**
Tg: 391 bp