

Genotyping protocol

EMMA ID: EM:09678

Gene symbol: Mecer

Strain designation: B6.Cg-Mecer^{tm1c(EUCOMM)Wtsi}/WtsiCnbcOulu

Primers:

Primer name	Primer sequence (5'- 3')
EM09678 forward	CAGGGCTGACCCAGAGTTTC
EM09678 reverse	CAGATGGATTGATAGGGGCTG

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Wild-type	EM09678 forward	EM09678 reverse	650
Mutant	EM09678 forward	EM09678 reverse	800

Reaction mix:

Component	Volume (µl)
Genomic DNA (~50-100 ng)	2.0
Primer 1 (10 µM)	1.5
Primer 2 (10 µM)	1.5
10x Buffer (15 mM MgCl ₂)	3.0
MgCl ₂ (25 mM)	1.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/µl)	0.1
H ₂ O	20.65
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
5 min	95	
1 min	95	30
1 min	65	
2 min	72	
10 min	72	
∞	10	