

Genotyping protocol

EMMA ID: EM:08310

Gene symbol: Mecer

Strain designation: C57BL/6J-Tg(Mt1-Mecer)#Jkh/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
ODC F2	CAC ACG CAG AGG GAT TTG GAA
Mecer R2	CAG GTT CTT CAG CTG GAC GAC

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Transgene	ODC F2	Mecer R2	480

Reaction mix:

Component	Volume (μ l)
Genomic DNA (~50-100 ng)	2.0
Primer 1 (10 μ M)	1.0
Primer 2 (10 μ M)	1.0
10x Buffer (15 mM MgCl ₂)	3.0
MgCl ₂ (25 mM)	1.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/ μ l)	0.05
H ₂ O	21.7
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
5 min	95	
1 min	94	30
1 min	60	
1 min	72	
7 min	72	
∞	4	