

Genotyping protocol

EMMA ID: EM:09657

Gene symbol: Decr1

Strain designation: B6;129-Decr1^{tm1Jkh}/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
EM09657 wt forward	TGC GTT CTT TGC TGG GGT GTC C
EM09657 reverse	CAA ATG AAA GTT CCC TTG TGG AG
EM09657 mut forward	CTC GAG ATC CAC TAG TTC TAG CC

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Wild-type	EM09657 wt forward	EM09657 reverse	382
Mutant	EM09657 mut forward	EM09657 reverse	280

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
10 min	95	
1 min	94	
1 min	65	25
1 min	72	
10 min	72	
∞	10	