

Genotyping protocol

EMMA ID: EM:10789

Gene symbol: Tie1

Strain designation: B6.Cg-Tie1^{tm1jpa}/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
EM:10724 Primer 1	CTG GAT CAA ATC TGT CGA TCC TT
EM:10724 Primer 2	GCT GGA TGC GGC GTG CCG T

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Mutant	EM:10724 Primer 1	EM:10724 Primer 2	~ 500

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	94	30
1 min	65	
1 min	72	
10 min	72	
∞	10	