

Genotyping protocol

EMMA ID: EM:09885

Gene symbol: Tg(Col13a1)2Pih

Strain designation: B6.Cg-Tg(Col13a1)2Pih/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
MutScreen2	GGTTTACCGGGCCTCCTGGACCAAAGGG
MutScreen2rev	GGCCTGCTTGTCTGTCTCCCTTTCTCC

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Transgene	MutScreen2	MutScreen2rev	800

Reaction mix:

Component	Volume (μ l)
Genomic DNA (~50-100 ng)	2.0
Primer 1 (10 μ M)	1.5
Primer 2 (10 μ M)	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/ μ l)	0.1
H ₂ O	20.65
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
10 min	95	
1 min	94	25
1 min	68	
1 min	72	
10 min	72	
∞	10	