

Genotyping protocol

EMMA ID: EM:07462

Gene symbol: Tg(Krt14-Col18a1)J4Pih

Strain designation: FVB/N-Tg(Krt14-Col18a1)J4Pih/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
TRG test4	GTC TCA GGA CAT CTC TGC CGT CAA A
TRG test 3	TGT GCC TGC CAG CGC TGA TCA CCA T

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Transgene	TRG test4	TRG test 3	400

Reaction mix:

Component	Volume (μ l)
Genomic DNA (~50-100 ng)	1.0
Primer 1 (10 μ M)	3.0
Primer 2 (10 μ M)	3.0
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	18.7
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
10 min	95	
1 min	95	35
1 min	65	
1 min	72	
10 min	72	
∞	4	