

## Genotyping protocol

EMMA ID: EM:09798

Gene symbol: Tg(KRT14-Figf)1Ali

Strain designation: FVB-Tg(KRT14-Figf)1Ali/Oulu

### Primers:

Primer name	Primer sequence (5'- 3')
FmVEGFD	GAA AGC CCA AAA CAC TCC AAA
mVEGFD-REV	CTG AGC GTG AGT CCA TAC TG

### Products:

Allele	Primer 1	Primer 2	Product size (bp)
Transgene	FmVEGFD	mVEGFD-REV	459

### 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 <sub>2</sub> )	3.0
MgCl <sub>2</sub> (25 mM)	1.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/µl)	0.1
H <sub>2</sub> O	20.65
<b>Total</b>	<b>30.0</b>

### PCR program:

Time	Temperature (+ °C)	Cycles
2 min	94	
30 sec	94	30
30 sec	55	
45 sec	72	
5 min	72	
∞	10	