

## Genotyping protocol

EMMA ID: EM:10725

Gene symbol: Tg(KRT14-FLT4/IGHG1)#Ali

Strain designation: B6J0laHsd.Cg-Tg(KRT14-FLT4/IGHG1)#Ali/Oulu

### Primers:

Primer name	Primer sequence (5'- 3')
EM:10725 Fwd	GAA AGC CCA AAA CAC TCC AAA CAA TG
EM:10725 Rev	TCC TTG TCT CCG GTG GCT GGC G

### Products:

Allele	Primer 1	Primer 2	Product size (bp)
Transgene	EM:10725 Fwd	EM:10725 Rev	500

### Reaction mix:

Component	Volume ( $\mu$ l)
Genomic DNA (~50-100 ng)	2.0
Primer 1 (10 $\mu$ M)	1.5
Primer 2 (10 $\mu$ M)	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/ $\mu$ l)	0.1
H <sub>2</sub> O	20.65
<b>Total</b>	<b>30.0</b>

### PCR program:

Time	Temperature (+ °C)	Cycles
5 min	95	
1 min	94	30
1 min	66	
1 min	72	
10 min	72	
$\infty$	10	