

## Genotyping protocol

EMMA ID: EM:10011

Gene symbol: Wnt4

Strain designation: B6;129-Wnt4<sup>tm2(EGFP/cre)</sup>Svo/Oulu

### Primers:

Primer name	Primer sequence (5'- 3')
EM10011 Cre1	GCA CGT TCA CCG GCA TCA AC
EM10011 Cre2	CGA TGC AAC GAG TGA TGA G

### Products:

Allele	Primer 1	Primer 2	Product size (bp)
Mutant	EM10011 Cre1	EM10011 Cre2	354

### Reaction mix:

Component	Volume (µl)
Genomic DNA (~50-100 ng)	2.0
Primer 1 (10 µM)	1.0
Primer 2 (10 µM)	1.0
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	21.65
<b>Total</b>	<b>30.0</b>

### PCR program:

Time	Temperature (+ °C)	Cycles
10 min	95	
30 sec	94	35
30 sec	58	
1 min	72	
7 min	72	
∞	10	