

Genotyping protocol

EMMA ID: EM:11255

Gene symbol: Wnt11

Strain designation: B6.129-Wnt11^{tm1Amc}/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
EM11255 35T	CCA AGG CCC CTT CTA TTC AG
EM11255 921	GCA TTG TCT GAG TAG GTG TCA TTC
EM11255 R-37	CTC CTG GGT TTC CAG CAT G

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Wild-type	EM11255 35T	EM11255 921	272
Mutant	EM11255 35T	EM11255 R-37	~ 450

Reaction mix:

Component	Volume (µl)
Genomic DNA (~50-100 ng)	1.0
Primer 1 (10 µM)	1.0
Primer 2 (10 µM)	1.0
10x Buffer (15 mM MgCl ₂)	3.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/µl)	0.1
H ₂ O	23.65
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
4 min	94	
1 min	94	30
1 min	60	
1 min	72	
10 min	72	
∞	10	