

Genotyping protocol

EMMA ID: EM:09463

Gene symbol: Flt4

Strain designation: STOCK Flt4^{tm2.1Ali}/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
EM:09463 forw	TCA CTC CCA GCC TAG AGC TGC
EM:09463 rev	CGA GGC AGA GCC ACA GGC GC

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Wild-type	EM:09463 forw	EM:09463 rev	100
Mutant	EM:09463 forw	EM:09463 rev	180

Reaction mix:

Component	Volume (µl)
Genomic DNA (~ 50 ng)	0.5
Primer 1 (10 µM)	1.5
Primer 2 (10 µM)	1.5
10x Buffer (15 mM MgCl ₂)	3.0
MgCl ₂ (25 mM)	1.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/µl)	0.1
H ₂ O	22.15
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
5 min	95	
1 min	95	
1 min	64	35
30 sec	72	
10 min	72	
∞	4	