

Genotyping protocol

EMMA ID: EM:08364

Gene symbol: Tg(Sftpc-Grem1)105Mmyl

Strain designation: C57BL/6-Tg(Sftpc-Grem1)105Mmyl/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
neo3sense	TTCCTGCCACAGTCTGAGAGC
neoneoan	GGCGATTTGTCCTACTCAGGAGAGCG

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Transgene	neo3sense	neoneoan	167

Reaction mix:

Component	Volume (μ l)
Genomic DNA (~50-100 ng)	2.0
Primer 1 (10 μ M)	1.0
Primer 2 (10 μ M)	1.0
10x Buffer (15 mM MgCl ₂)	3.0
MgCl ₂ (25 mM)	1.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/ μ l)	0.1
H ₂ O	21.7
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
5 min	95	
1 min	94	30
1 min	68	
1 min	72	
7 min	72	
∞	4	