

Genotyping protocol

EMMA ID: EM:09934

Gene symbol: 3110079015Rik

Strain designation: C57BL/6N-3110079015Rik^{tm1b}/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
Snorc5armF	ATCCCTGAGTACCCCAAACC
Snorc5armR	CCTACACCAGCTCCCACATT
Commonen2R	CCAAGTACCTTGGGCAAGAACA

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Wild-type	Snorc5armF	Snorc5armR	489
Mutant	Snorc5armF	Commonen2R	352

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 ₂)	3.0
MgCl ₂ (25 mM)	1.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/µl)	0.1
H ₂ O	21.65
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
3 min	94	
30 sec	94	30
30 sec	64	
30 sec	72	
5 min	72	
∞	10	