

Genotyping protocol

EMMA ID: EM:09903

Gene symbol: Gt(ROSA)26Sor

Strain designation: B6.129-Gt(ROSA)26Sor^{tm1(ERBB4)}/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
EM09903 E4Fw	TGG AAA CAG AGT TGG TGG AA
EM09903 E4Rv	TCC AAC ATT TGA CCA TGA CC

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Transgene	EM09903 E4Fw	EM09903 E4Rv	804

Reaction mix:

Component	Volume (µl)
Genomic DNA (~50-100 ng)	2.0
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	20.65
Total	30.0

PCR program:

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