



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-Tmem9b^{em1J}/_J
Stock Number: 029502
Allele: Tmem9b^{em1J}
Protocol Name: Tmem9b^{em1J}
Method: Probe
Created: 26-August -2016 (LUCASM) **Updated:** 08-November -2016 (ESCHAAB)

Notes

Notes: Taqman qPCR protocols are run on a real time PCR instrument. Use an appropriate instrument specific Fluorophore/Quencher combination. The transgene genotype is determined by comparing ΔC_t values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.

Expected Results: Mutant= 155 bp
Wild Type = 170 bp

Attachments



View Tmem9b-29502 EP.jpg

- View Tmem9b genomic.gcs
- View Tmem9bem1jMolDesJuly2016_edited 7-29-16.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29410	-	GTA AAT GCA TCT GCC CTC CCT A	-	Wild type Forward	A
29411	-	TGA GAC ATC ATA AGA ACA GTC TGA G	-	Common	A
29412	-	TGG CAG GTA GAT GAT AAT AAC ACA	-	Mutant Forward	A
29413	6-FAM	TGA GTT TAA TAA GGC ACA GAT AGT GTC	Black Hole Quencher 1	MUT Probe	-
29414	Hex	TGT CTC GGA CCA AGG TAT CAC	Black Hole Quencher 1	WT Probe	-

Number Of Reactions 1

Reaction A (Endpoint 3 primer)		Cycling (EndPoint)			
Component	Final Concentration	Step #	Temp°C	Time	Note
Kapa Probe Fast QPCR	1 X	1	95	3min	-
ddH2O		2	95	5sec	-
29412	.4 uM	3	60	30sec	-
29411	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29410	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				

Reaction A (Endpoint 3 primer)

Mutant Probe	.15 uM
DNA	

Version 3.2