



Welcome to The Genotyping Protocol System

Master Protocol

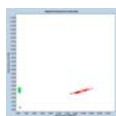
Strain Name: C57BL/6NJ-Mpped2^{em1J}JJ
Stock Number: 029613
Allele: Mpped2^{em1J} Probe
Protocol Name: Mpped2^{em1J} Probe
Method: Probe
Created: 09-September-2016 (LUCASM) **Updated:** 03-December -2016 (ESCHAAB)

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 = 96 bp
Wild type = 105 bp

Attachments



View mpped2 JW.jpg

- View Mpped2 genomic.gcs
- View Mpped2em1jMolDesAug2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29622	-	TCA CTC ACT GCG TCC TAA TTG	-	Wild type Forward	A
29623	-	CAA AAT TGG ATT ACA GCT AGA CAC C	-	Common	A
29624	-	CTT GGG CTC TTC TGT CCT TG	-	Mutant Forward	A
29625	Hex	GCT CAG CCA TTT CTT GTA TGA	Black Hole Quencher 1	WT Probe	-
29626	6-FAM	TTG GGT GTG TGC ATG ATG A	Black Hole Quencher 1	MUT 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	-
29623	.4 uM	3	60	30sec	-
29622	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29624	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				
Mutant Probe	.15 uM				

Reaction A (Endpoint 3 primer)

DNA

Version 3.2