



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-Osbp10^{em1J/J}
Stock Number: 029634
Allele: Osbp10^{em1J}
Protocol Name: Osbp10^{em1J}
Method: Probe
Created: 13-September-2016 (LUCASM) **Updated:** 30-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= 99 bp
 Wild Type = 100 bp

Attachments



View Osbp10-29634 EP.jpg

- View Osbp10 genomic.gcs
- View Osbp10em1jin progress 8-29-16.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29674	-	GCA AGA ATC CCT TGG AGA GA	-	Wild type Forward	A
29675	-	TCA TTG GTA GAA TGG CAA CTG	-	Common	A
29676	-	CAA AAC AGA CCA CGC CAT GT	-	Mutant Forward	A
29677	6-FAM	CCG GGG TCC ATG TCA C	Black Hole Quencher 1	MUT Probe	-
29678	Hex	TGC CTG CCT GGA ACT CA	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	-
29674	.4 uM	3	60	30sec	-
29676	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29675	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				

Reaction A (Endpoint 3 primer)

Mutant Probe	.15 uM
DNA	

Version 3.2