Print Logout

The Jackson Laboratory
Leading the search for tomorrow's cures

Welcome to The Genotyping Protocol System

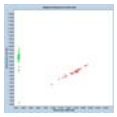
Master Protocol

Strain Name: C57BL/6NJ-*4931406P16Rik*^{em1J}/J
Stock Number: 029792
Allele: 4931406P16Rik^{em1J} Probe
Protocol Name: 4931406P16Rik^{em1J} Probe
Method: Probe
Created: 25-October -2016 (LUCASM) **Updated:** 21-December -2016 (JKELMEN)

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 ΔCt values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.
Expected Results:	Mut= 112 bp Wt= 120 bp

Attachments



View 4931406P16Rik probe JW.jpg

\- View 4931406P16Rik genomic.gcs

\- View 4931406P16Rikem1jMolDesOct2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
30373	-	AGC CTA AAC TCT GAA GGC TGT G	-	Wild type Forward	A
30374	-	TCA TAG CCA AGC CAA ACA GAC	-	Common	A
30375	-	ACA AAA TCG AGT AGA CCC CAC A	-	Mutant Forward	A
30376	Hex	TGC TTG CTA CCT GTG CAC TT	Black Hole Quencher 1	WT Probe	-
30377	6-FAM	TCT GTG TGT TTG CGC ATC AT	Black Hole Quencher 1	MUT Probe	-

Number Of Reactions 1

Reaction A (Endpoint 3 primer)

Component	Final Concentration
Kapa Probe Fast QPCR	1 X
ddH2O	
30373	.4 uM
30374	.4 uM
30375	.4 uM
Wt Probe	.15 uM

Cycling (EndPoint)

Step #	Temp°C	Time	Note
1	95	3min	-
2	95	5sec	-
3	60	30sec	-
4	-	-	repeat steps 2-3 for 40 cycles
5	4	-	Forever

Reaction A (Endpoint 3 primer)	
Mutant Probe	.15 uM
DNA	

Version 3.2