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The Jackson Laboratory
Leading the search for tomorrow's cures

Welcome to The Genotyping Protocol System

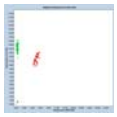
Master Protocol

Strain Name: C57BL/6NJ-*Ncbp1*^{em1J}/J
Stock Number: 025292
Allele: Ncbp1^{em1J}
Protocol Name: Ncbp1^{em1J}
Method: Probe
Created: 15-August -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 ΔCt values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.
Expected Results:	Muant= 216 bp Wild Type = 178 bp

Attachments



View ncbp1 JW.jpg

- View Ncbp1 genomic.gcs
- View Ncbp1em1j_in progress 8-11-16.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29204	-	GTG GAC AAC CTC ACA AAA GGA	-	Wild type Forward	A
29205	-	GCT TTG TCT AAA ACC TAC ATT ACC C	-	Common	A
29206	-	AGG GAG AGA CCT TGC CTT GA	-	Mutant Forward	A
29207	Hex	ATG CAA AGT AGG GGA AAA GGT	Black Hole Quencher 1	WT Probe	-
29208	6-FAM	CAC GTG TGC ATT CAC TCA CAT	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	
29205	.4 uM
29204	.4 uM
29206	.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