



Welcome to The Genotyping Protocol System

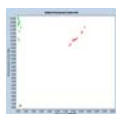
Master Protocol

Strain Name: C57BL/6NJ-*Ncbp2*^{em1J}/*J*
Stock Number: 029610
Allele: *Ncbp2*^{em1J} Probe
Protocol Name: *Ncbp2*^{em1J} Probe
Method: Probe
Created: 09-September-2016 (LUCASM) **Updated:** 07-December -2016 (ESCHAAB)

Notes

Expected Results: Mutant = 98 bp
 Heterozygote = 98 bp and 103 bp
 Wild type = 103 bp

Attachments



View [Ncbp2 em1J_ JR 29610.jpg](#)

- View [Ncbp2 genomic.gcs](#)
- View [Ncbp2em1j_in progress 8-22-16.docx](#)

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29604	-	CAA GGG TAC CTG AAC TGA ATC TCT	-	Wild type Forward	A
29605	-	CAC TAA CAA GCA CAA GTT CCT TAC A	-	Common	A
29606	-	TGC CCA GAA GTC GTG TTA GAC	-	Mutant Forward	A
29607	Hex	TCC AGT TAC AAT ACA GGT CTT TTC G	Black Hole Quencher 1	WT Probe	-
29608	6-FAM	CCA ACT TTG AAC TGA CTT CTT CTA CA	Black Hole Quencher 1	MUT Probe	-

Number Of Reactions

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	-
29606	.4 uM	3	60	30sec	-
29605	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29604	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				
Mutant Probe	.15 uM				
DNA					

Version 3.2