



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-Wee2^{em1J}/J
Stock Number: 025926
Allele: Wee2^{em1J}-EP
Protocol Name: Wee2^{em1J}-EP-alternate1
Method: End Point Analysis
Created: 22-January -2015 (JKELMEN) **Updated:** 27-February -2015 (ESCHAAB)

Notes

Expected Results: Mutant =ATGACTGCA[-----]CGGAGGGGCCCC
Heterozygote = ATGACTGCA[caagacat/-----]CGGAGGGGCCCC
Wild type = ATGACTGCA[caagacat]CGGAGGGGCCCC

Attachments



View wee2-ep1-b6labeled.jpg



View wee-ep-ZOOM8.jpg

- View CORRECTED Molecular description of Wee2-ex2 CRISPR KO_1-21-15.docx
- View Wee2 genomic.gcs

Sequence

Sequence AGACTGACCAGGGACTGAACAAGAAATTAAGCTTCTCCTTTTGTGAAGAAGACACTGAGA
G
TGAAGGGCAGATGACTGCAC[aagacatc]GGAGGGGCCCCAGAGCCAAAAGCCTGGGAGG
GAAG
AAAGTGAGGAGTTGGAGGGTCCCGTGCCTCCTACCAGAGATGAACTTCATACTTCT

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
21017	-	CAA CTC CTC ACT TTC TTC CCT C	-	Reverse	-
21018	Hex	CCC CTC CGA TGT CTT GTG CAG T	Black Hole Quencher 1	WT Probe	-
21020	-	CCT TTT GTG AAG AAG ACA CTG AG	-	Forward	-
22522	6-FAM	TGA CTG CAC GGA GGG G	Black Hole Quencher 1	MUT Probe	-

Reaction/Components A

Reaction Components	Volume Amt	Final Concentration	Total Volume Amt
2 X Kapa Probe Fast QPCR	2.50	.42	-

Cycling

Step #	Temp°C	Time	Note
1	95	10min	-
2	95	15sec	-

Reaction/Components A				Cycling			
ddH2O	7.44	-	-	3	60	1min	repeat steps 2-3 for 40 cycles
100 uM 21017	0.02	.17	-				
100 uM 21018	0.02	.17	-				
100 uM 21020	0.01	.08	-				
100 uM 22522	0.01	.08	-				
DNA	2.00	-	-				

Number Of Reactions 1

Version 3.2