



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-Zfp579^{em1J}J
Stock Number: 028516
Allele: Zfp579^{em1J}
Protocol Name: Zfp579^{em1J}
Method: End Point Analysis
Created: 20-November -2015 (JKELMEN) **Updated:** 14-January -2016 (ESCHAAB)

Notes

Expected Results: Mutant = T/T
Heterozygote = -/T
Wild type = -/-

Attachments



View Zfp579 EP.jpg

- View Zfp579em1j_moledesc_11-16-15_in progress.docx
- View Zfp579 genomic1.gcs

Sequence

Sequence CCTTACTACCTGTCTCGACACCGGCTGAGCCACTCGGGTCTCCGGCCCCATGCCTGCCC
TCTGT(**T**)G
CCCCAAAGCTTTCCGCAGGCCTGCCACCTTTCCCGCCACCTTCGTGGCCACGGGC
Mutation is a T insertion.

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
25714	-	TGA GCC ACT CGG GTC TCC	-	Forward	A
25715	-	GAA GGT GGC GGG AAA GGT	-	Reverse	A
25716	Hex	CCC TCT GTG CCC CAA A	Black Hole Quencher 1	WT Probe	A
25717	6-FAM	CCC TCT GTT GCC CCA AA	Black Hole Quencher 1	MUT Probe	A

Number Of Reactions 1

Reaction A (Endpoint 2 primer)		Cycling (EndPoint)			
Component	Final Concentration	Step #	Temp°C	Time	Note
Kapa Probe Fast QPCR	1 X	1	95	3min	-
ddH2O		2	95	5sec	-
25716	.4 uM	3	60	30sec	-
		4	-	-	repeat steps 2-3 for 40 cycles

Reaction	A	(Endpoint 2 primer)	Cycling	(EndPoint)
25715		.4 uM	5	4 - Forever
Wt Probe		.15 uM		
Mutant Probe		.15 uM		
DNA				

Version 3.2