



Welcome to The Genotyping Protocol System

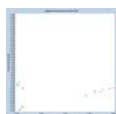
Master Protocol

Strain Name: C57BL/6NJ-Stk36^{em1J}/J
Stock Number: 026819
Allele: Stk36^{em1J}
Protocol Name: Stk36^{em1J}
Method: End Point Analysis
Created: 15-January -2015 (JKELMEN) **Updated:** 05-February -2015 (ESCHAAB)

Notes

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

Attachments



View 256277-ep3.jpg

- View Stk36 genomic.gcc
- View Stk36 mutant.gcs

Sequence

8 bp deletion:

Sequence AGAGAAAGAGCTGAGGAATCTGCAACGAGAGATTG(AAATCATG)CGGGGTCTG
TGGCATCCCAACATTGTGCATATGCTCGACAG

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
22468	-	GGG CGC TCA GAG AAA GAG	-	Forward	-
22469	-	TAT GCA CAA TGT TGG GAT GC	-	Reverse	-
22470	Hex	GAT TGA AAT CAT GCG GGG	Black Hole Quencher 1	WT Probe	-
22471	6-FAM	GAG AGA TTG CGG GGT CTG	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	.83	-
ddH2O	1.07	-	-
100 uM 22468	0.02	.33	-

Cycling

Step #	Temp°C	Time	Note
1	95	10min	-
2	92	15sec	-
3	60	1 min	-

Reaction/Components A				Cycling			
100 uM 22469	0.02	.33	-	4	-	-	repeat steps 2-3 for 40 cycles
100 uM 22470	0.01	.17	-				
100 uM 22471	0.01	.17	-	5	4	-	Forever
DNA	2.37	-	-				

Number Of Reactions 1

Version 3.2