



Welcome to The Genotyping Protocol System

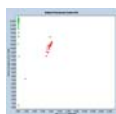
Master Protocol

Strain Name: C57BL/6NJ-Shisa7^{em1J}/J
Stock Number: 029612
Allele: Shisa7^{em1J} Probe
Protocol Name: Shisa7^{em1J} Probe
Method: Probe
Created: 09-September-2016 (LUCASM) **Updated:** 07-December -2016 (ESCHAAB)

Notes

Expected Results: Mutant = 89 bp
Heterozygote = 89 bp and 101 bp
Wild type = 101 bp

Attachments



View Shisa7 em1J_JR 29612.jpg

- View Shisa7em1jMolDesAug2016.docx
- View Shisa7 genomic.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29617	-	TGG CTC TGT CCT CCT CAT GT	-	Wild type Forward	A
29618	-	GGA TGC GTG TTG GAA GAA GA	-	Common	A
29619	-	TCA TCA AGC AAG AAA TGT GG	-	Mutant Forward	A
29620	Hex	CCT GAC CCC ATT CCA GTC T	Black Hole Quencher 1	WT Probe	-
29621	6-FAM	TGA CAT TAA AAG GTG CAT AGC C	Black Hole Quencher 1	MUT Probe	-

Number Of Reactions 1

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	-
29619	.4 uM	3	60	30sec	-
29617	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29618	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				
Mutant Probe	.15 uM				
DNA					

Version 3.2