



Welcome to The Genotyping Protocol System

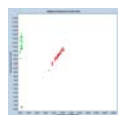
Master Protocol

Strain Name: C57BL/6NJ-Foxk2^{em1J}/_J
Stock Number: 029555
Allele: Foxk2^{em1J}
Protocol Name: Foxk2^{em1J}
Method: Probe
Created: 25-August -2016 (LUCASM) **Updated:** 18-November -2016 (ESCHAAB)

Notes

Mut = 174bp
 Wt = 152 bp
 Expected Results:
 Fam = Mut
 Hex = Wt

Attachments



View foxk2.jpg

- View Foxk2 genomic.gcs
- View Foxk2em1j in progress 8-10-16.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29354	-	CCA GCC AGA AAA TGA AAA GG	-	Wild type Forward	A
29355	-	TCA CAG CAA GAG AAA CCT AGC	-	Common	A
29356	-	GAT AGA GGC GTG GGG GAT AG	-	Mutant Forward	A
29358	Hex	TGG AGA CAG CCC AAA GGT AA	Black Hole Quencher 1	WT Probe	-
29360	6-FAM	TCC CAC AAC CTA TCC TGG AC	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	-
29356	.4 uM	3	60	30sec	-
29354	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29355	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				
Mutant Probe	.15 uM				

Reaction A (Endpoint 3 primer)

DNA

Version 3.2