



Welcome to The Genotyping Protocol System

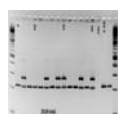
Master Protocol

Strain Name: C57BL/6NJ-Anks3^{em1J}/_J
Stock Number: 029109
Allele: Anks3^{em1J}
Protocol Name: Anks3^{em1J}
Method: MELT
Created: 05-May -2016 (LUCASM) **Updated:** 20-July -2016 (ESCHAAB)

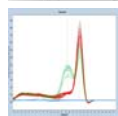
Notes

Expected Results: Mutant = 279 bp
Heterozygote = 212 bp and 279 bp
Wild type = 212 bp

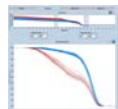
Attachments



View 29109 Anks3 gel.jpg



View 29109 Anks3 mca.jpg



View 29109 Anks3 hrn.JPG

- View Anks3 Genomic.gcs
- View Anks3em1jMolDes-1Apr2016-1.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27917	-	TCC TAC ATT GGA CAC GAT ACC A	-	Wild type Forward	A
27918	-	GCC TGC AGC ACC TCA TAT C	-	Common	A
27919	-	GCC CAT GGA ATG CTT TTT GT	-	Mutant Forward	A

Number Of Reactions 1

Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
Component	Final Concentration	Step #	Temp°C	Time	Note
ddH2O		1	94	2 min	-
Kapa 2G HS buffer	1.3 X	2	94	20sec	-
MgCl2	2.6 mM	3	65	15sec	-0.5 C per cycle decrease
dNTP KAPA	.26 mM	4	68	10sec	-
27918	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
		6	94	15sec	-

Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
27919	.5 uM	7	60	15sec	-
27917	.5 uM	8	72	10sec	-
Glycerol	6.5 %	9	-	-	repeat steps 6-8 for 28 cycles
Dye	1 X	10	72	2 min	-
Kapa 2G HS taq polymerase	.03 U/ul	11	10	-	hold
DNA					

Version 3.2