



Welcome to The Genotyping Protocol System

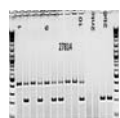
Master Protocol

Strain Name: C57BL/6NJ-Arap3^{em1J/J}
Stock Number: 027814
Allele: Arap3^{em1J}
Protocol Name: Arap3^{em1J}
Method: MELT
Created: 20-November -2015 (ESCHAAB) **Updated:** 20-November -2015 (ESCHAAB)

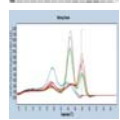
Notes

Expected Results: Mutant = 391 bp
 Heterozygote = 205 bp and 391 bp
 Wild type = 205 bp

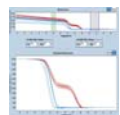
Attachments



View 27814.jpg



View 27814.JPG



View Arap3 HRM.JPG

- View Arap3 genomic1.gcs
- View Arap3em1j_moldes_9-24-15 in progress.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
24050	-	AAG CGC TTA AGG ACC AAC AC	-	Common	A
25148	-	GAG ATT CCC CAC TCC CTA CC	-	Wild type Reverse	A
25149	-	TCC ACT CAC CTG TGT TCT GC	-	Mutant Reverse	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	-
24050	.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)			
25148	.5 uM	7	60	15sec	-
25149	.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