



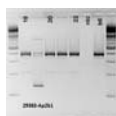
Welcome to The Genotyping Protocol System

Master Protocol

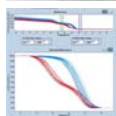
Strain Name: C57BL/6NJ-Ap2b1^{em1}J/J
Stock Number: 029383
Allele: Ap2b1^{em1}J
Protocol Name: Ap2b1^{em1}J
Method: High Resolution Melting
Created: 30-June -2016 (DTG) **Updated:** 22-October -2016 (ESCHAAB)

Notes

Expected Results: Mutant = 135 bp
 Heterozygote = 135 bp and 381 bp
 Wild type = 381 bp

Attachments

View 29383-Ap2b1.jpg



View ap2b1 HRM JW.JPG

- View Ap2b1em1jMolDesJun2016.docx
 - View 29383-Ap2b1em1j.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
28725	-	CAT TCT GGG GCT TTG AAT TG	-	Forward	A
28726	-	GAT GTC CAA ATC TGG CTC AAG	-	Reverse	A

Number Of Reactions 1

Reaction A (2 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
dNTPS-kapa	.26 mM	4	68	10sec	-
28726	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
28725	.5 uM	6	94	15sec	-
Glycerol	6.5 %	7	60	15sec	-
Dye	1 X	8	72	10sec	-
Kapa 2G HS taq polymerase	.03 U/ul	9	-	-	repeat steps 6-8 for 28 cycles
		10	72	2 min	-

Reaction A (2 Primer)

Cycling (TouchDown 65-60_12-12-11)

DNA

11 10 - hold

Version 3.2