



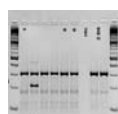
Welcome to The Genotyping Protocol System

Master Protocol

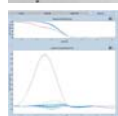
Strain Name: C57BL/6NJ-Scgb1c1^{em1J}/_J
Stock Number: 029125
Allele: Scgb1c1^{em1J}
Protocol Name: Scgb1c1^{em1J}
Method: High Resolution Melting
Created: 05-May -2016 (LUCASM) **Updated:** 22-July -2016 (ESCHAAB)

Notes

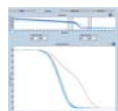
Expected Results: Mutant = 207 bp
 Heterozygote = 207 bp and 305 bp
 Wild type = 305 bp

Attachments

View 29125 Scgb1c1 gel.jpg



View 29125 Scgb1c1 B6.JPG



View 29125 Scgb1c1 hrm.JPG

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

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27923	-	GGT GAG GTC AGG AAG TCA GG	-	Common	A
27924	-	TCG ATG CAG GAC TTG AGC	-	Wild type Reverse	A
27925	-	GAG AGA TGT GTG GGG ACC AG	-	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	-
27923	.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)			
27924	.5 uM	7	60	15sec	-
27925	.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