



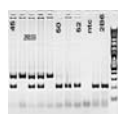
Welcome to The Genotyping Protocol System

Master Protocol

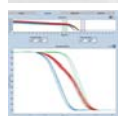
Strain Name: C57BL/6NJ-Adamts14^{em1J}/_J
Stock Number: 029133
Allele: Adamts14^{em1J}
Protocol Name: Adamts14^{em1J}
Method: High Resolution Melting
Created: 09-May -2016 (LUCASM) **Updated:** 04-August -2016 (ESCHAAB)

Notes

Expected Results: Mutant = 341 bp
 Heterozygote = 210 bp and 341 bp
 Wild type = 210 bp

Attachments

View 29133.jpg



View 29133.JPG

- View Adamts14 Genomic.gcs
 - View Adamts14em1jMolDesApr2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27955	-	GGG CTG CCT ATT CAT CAT CT	-	Common	A
27956	-	CAG ACA CCA CAT GGG ACA AG	-	Wild type Reverse	A
27957	-	GAG TGG CTG GTT GTC TTA GG	-	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	-
27957	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
27956	.5 uM	6	94	15sec	-
27955	.5 uM	7	60	15sec	-
Glycerol	6.5 %	8	72	10sec	-
		9	-	-	repeat steps 6-8 for 28 cycles

Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
Dye	1 X	10	72	2 min	-
Kapa 2G HS taq polymerase	.03 U/ul	11	10	-	hold
DNA					

Version 3.2