



Welcome to The Genotyping Protocol System

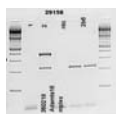
Master Protocol

Strain Name: C57BL/6NJ-Adamts16^{em1J}/_J
Stock Number: 029158
Allele: Adamts16^{em1J}
Protocol Name: Adamts16^{em1J}
Method: MELT
Created: 04-May -2016 (LUCASM) **Updated:** 17-August -2016 (ESCHAAB)

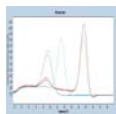
Notes

Expected Results: Mutant = 366 bp
 Heterozygote = 217 bp and 366 bp
 Wild type = 217 bp

Attachments



View Adamts16-29158 Gel.jpg



View Adamts16 Mplex Melt.jpg

- View Adamts16 Genomic.gcs
 - View Adamts16em1jMolDesApr2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27872	-	TGC CTT CTG TCT CCT CCT GT	-	Mutant Reverse	A
27873	-	GTC AGT GAG CAG GTG AGT CC	-	Common	A
27874	-	GCT GGA CCC AGA GAA TGG	-	Wild type 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	-
27872	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
27873	.5 uM	6	94	15sec	-
27874	.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