



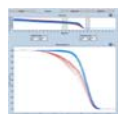
Welcome to The Genotyping Protocol System

Master Protocol

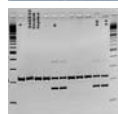
Strain Name: C57BL/6NJ-*Dctn6*^{em1J/J}
Stock Number: 029000
Allele: *Dctn6*^{em1J}
Protocol Name: *Dctn6*^{em1J}
Method: High Resolution Melting
Created: 05-April -2016 (JKELMEN) **Updated:** 20-July -2016 (ESCHAAB)

Notes

Expected Results: Mutant = 169 bp
 Heterozygote = 169 bp and 225 bp
 Wild type = 225 bp

Attachments

View 29000 Dctn6 hrm.JPG



View 29000 Dctn6 gel.jpg

- View *Dctn6*^{em1j} in progress 3-28-16.docx
 - View *Dctn6* genomic1.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27502	-	GGA TGG AGG CTG AGC TGT C	-	Common	A
27503	-	GGG GAG AGG AGA TGA TCA GG	-	Wild type Reverse	A
27504	-	TTG GTT TCT GTG TCT CTC ATG T	-	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	-
27502	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
27503	.5 uM	6	94	15sec	-
27504	.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