



Welcome to The Genotyping Protocol System

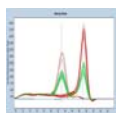
Master Protocol

Strain Name: C57BL/6NJ-Ccdc78^{em1J}/_J
Stock Number: 027608
Allele: Ccdc78-6895-KOMP CRISPR
Protocol Name: Ccdc78^{em1j}
Method: MELT
Created: 23-November -2015 (DTG) **Updated:** 11-December -2015 (ESCHAAB)

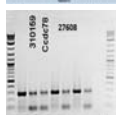
Notes

Expected Results: Mutant = 73 bp
 Heterozygote = 73 bp and 278 bp
 Wild type = 278 bp

Attachments



View 27608.JPG



View 310159-27608.jpg

- View Ccdc78 genomic-redesign_for_melt.gcs
- View Ccdc78em1jMolDesAug2015.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
25718	-	CTA CAA CAA GCA GAG CCC AGT	-	Forward	A
25719	-	CTT ACA GGA GGC CAG CAC CT	-	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	-
25719	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
25718	.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