



Welcome to The Genotyping Protocol System

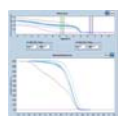
Master Protocol

Strain Name: C57BL/6NJ-C1qc^{em1J}/J
Stock Number: 029409
Allele: C1qc^{em1J}
Protocol Name: C1qc^{em1J}
Method: MELT
Created: 22-July -2016 (LUCASM) **Updated:** 26-August -2016 (ESCHAAB)

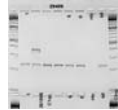
Notes

Expected Results: Mutant = 338 bp
Heterozygote = 219 bp and 338 bp
Wild type = 219 bp

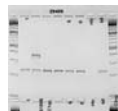
Attachments



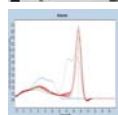
View C1qc HRM.JPG-1.jpg



View C1qc-29409 Gel.jpg



View C1qc-29409 Gel.jpg



View C1qc Mplex Melt.jpg

- View C1qc genomic.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
28942	-	GGG ATA GAC CAA GCA CAG GA	-	Common	A
28943	-	TCG CCC TTC TGA CCC TTG	-	Wild type Reverse	A
28944	-	AGG AAT CGC AGC CCA 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
		4	68	10sec	-

Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
dNTP KAPA	.26 mM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
28943	.5 uM	6	94	15sec	-
28942	.5 uM	7	60	15sec	-
28944	.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