



Welcome to The Genotyping Protocol System

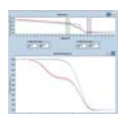
Master Protocol

Strain Name: C57BL/6NJ-Drc7^{em1J}
Stock Number: 029527
Allele: Drc7^{em1J}
Protocol Name: Drc7^{em1J}
Method: MELT
Created: 02-August -2016 (LUCASM) **Updated:** 23-August -2016 (ESCHAAB)

Notes

Expected Results: Mutant = 374 bp
Heterozygote = 286 bp and 374 bp
Wild type = 286 bp

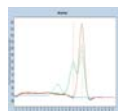
Attachments



View Drc7 351267 JR29527 8-23 HRM.JPG



View SG 351267 29257 Gel.jpg



View Drc7 1 8-23.jpg

- View Ccdc135 genomic.gcs

- View Drc7em1jMolDesJuly2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29038	-	GTC TGG GGT AGG GGA ACA GA	-	Wild type Forward	A
29039	-	GTC CAG TTG TGT GGC AGG TA	-	Common	A
29040	-	AGA CCA GGC CTT ATT TCA CAG	-	Mutant Forward	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	-
29039	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
		6	94	15sec	-

Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
29038	.5 uM	7	60	15sec	-
29040	.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