



Welcome to The Genotyping Protocol System

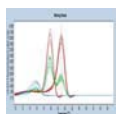
Master Protocol

Strain Name: C57BL/6NJ-Wdr17^{em1J}/_J
Stock Number: 027613
Allele: Wdr17^{em1J}
Protocol Name: Wdr17^{em1J}
Method: MELT
Created: 19-November -2015 (DTG) **Updated:** 27-January -2016 (DTG)

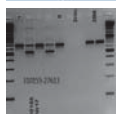
Notes

Expected Results: Mutant = 117 bp
Heterozygote = 117 bp and 272 bp
Wild type = 272 bp

Attachments



View 27613.JPG



View 310155-27613.jpg

- View Wdr17em1jMolDesAug2015.docx
- View Wdr17 genomic- redesign.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
25671	-	TTC TGT GCA TAG CTT CTG CTT	-	Forward	A
25681	-	TGT TGT CGA GTT TAG CAA TGA C	-	Reverse	A

Reaction/Components A

Reaction Components	Volume Amt	Final Concentration	Total Volume Amt
ddH2O	4.55	-	-
5 X Kapa 2G HS buffer	2.40	1	-
25 mM MgCl2	0.96	2	-
10 mM dNTPS-kapa	0.24	.2	-
20 U Primer 1	0.30	.5	-
20 U Primer 2	0.30	.5	-
5 mM 10x Loading Dye	1.20	.5	-
2.5 U/ul Kapa 2G HS taq polymerase	0.05	.01	-
DNA	2.00	-	-

Cycling

Step #	Temp°C	Time	Note
1	94	2 min	-
2	94	20sec	-
3	65	15sec	-0.5 C per cycle decrease
4	68	10sec	-
5	-	-	repeat steps 2-4 for 10 cycles
6	94	15sec	-
7	60	15sec	-
8	72	10sec	-

Cycling			
9	-	-	repeat steps 6-8 for 28 cycles
10	72	2 min	-
11	10	-	hold

Number Of Reactions 1

Version 3.2