



Welcome to The Genotyping Protocol System

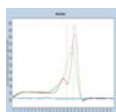
Master Protocol

Strain Name: C57BL/6NJ-Zfp612^{em1J}
Stock Number: 029529
Allele: Zfp612^{em1J}
Protocol Name: Zfp612^{em1J}
Method: High Resolution Melting
Created: 02-August -2016 (LUCASM) **Updated:** 23-August -2016 (ESCHAAB)

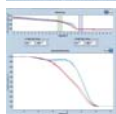
Notes

Expected Results: Mutant = 330 bp
Heterozygote = 243 bp and 330 bp
Wild type = 243 bp

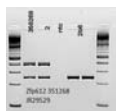
Attachments



View ZFP612 JR 29529 Req 351690 MCA.jpg



View Zfp612 351268 29529 HRM.JPG



View Zfp 351268 JR29529 Gel.jpg

- View Zfp612 genomic.gcs
- View zfp612em1jMolDesJuly2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29041	-	GCG GTT TCT CTG CTG TAA GA	-	Common	A
29042	-	CCG TCT GGG TGA AGT ACA CA	-	Wild type Reverse	A
29043	-	TCT GCC CAA AGG GAT ACC A	-	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	-
29041	.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)			
29042	.5 uM	7	60	15sec	-
29043	.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