



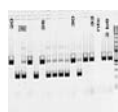
Welcome to The Genotyping Protocol System

Master Protocol

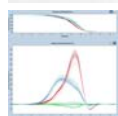
Strain Name: C57BL/6NJ-*Egfm1^{em1J}*
Stock Number: 027692
Allele: *Egfm1^{em1J}*
Protocol Name: *Egfm1^{em1J}*
Method: High Resolution Melting
Created: 28-May -2015 (JKELMEN) **Updated:** 31-August -2016 (LUCASM)

Notes

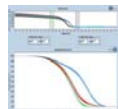
Notes:
 Mut = ~220bp
 WT= 531bp

Attachments

View 27692.jpg



View 27692.JPG



View 27692 hrn.JPG

- View *Egfm1* genomic.gcs**Protocol Primers**

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
23826	-	TGC ATA GGG TCC TTC TTA CTC TTC	-	Forward	A
23827	-	CAC CAC AAA CAG AGG AAC AGC	-	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	-
50 % Glycerol	1.20	5	-

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	-

Reaction/Components A				Cycling			
2.5 U/ul Kapa 2G HS taq polymerase	0.05	.01	-	8	72	10sec	-
DNA	2.00	-	-	9	-	-	repeat steps 6-8 for 28 cycles
				10	72	2 min	-
				11	10	-	hold

Number Of Reactions 1

Version 3.2