



## Welcome to The Genotyping Protocol System

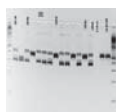
## Master Protocol

**Strain Name:** C57BL/6NJ-*Tusc3*<sup>em1J/J</sup>  
**Stock Number:** 027611  
**Allele:** *Tusc3*<sup>em1J</sup>  
**Protocol Name:** *Tusc3*<sup>em1J</sup>  
**Method:** High Resolution Melting  
**Created:** 22-October -2015 (DTG) **Updated:** 20-July -2016 (LUCASM)

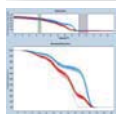
## Notes

Expected Results: Mutant = 350 bp  
 Heterozygote = 350 bp and 499 bp  
 Wild type = 499 bp

## Attachments



View 27611.jpg



View 27611.JPG

- View *Tusc3* genomic.gcs

## Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
23615	-	TCT AAT CGG AAA AGT TTT AGC TTC	-	Forward	-
23616	-	AAA GTT ACA CAT AAT GAT GAG AAG TCA	-	Reverse	-

## 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 MgCl <sub>2</sub>	0.96	2	-
10 mM dNTPS-kapa	0.24	.2	-
20 uM 23615	0.30	.5	-
20 uM 23616	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	-
9	-	-	repeat steps 6-8 for 28 cycles

Cycling			
10	72	2 min	-
11	10	-	hold

Number Of Reactions 1

Version 3.2