



## Welcome to The Genotyping Protocol System

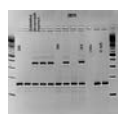
## Master Protocol

**Strain Name:** C57BL/6NJ-Scamp2<sup>em1J/J</sup>  
**Stock Number:** 028970  
**Allele:** Scamp2<sup>em1J</sup>  
**Protocol Name:** Scamp2<sup>em1J</sup>  
**Method:** SEPARATED MELT  
**Created:** 25-March -2016 (JKELMEN) **Updated:** 14-June -2016 (ESCHAAB)

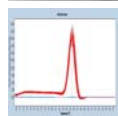
## Notes

Expected Results: Mutant = 344 bp  
 Heterozygote = 153 bp and 344 bp  
 Wild type = 153 bp

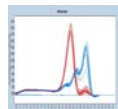
## Attachments



View Scamp2-28970 Gel.jpg



View Scamp2 WT Melt.jpg



View Scamp2 MUT Melt.jpg

- View Scamp2em1jin progress 3-22-16.docx
- View Scamp2 genomic1.gcs

## Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27313	-	AGA GCC CTG CAA GGA CTG AG	-	Common	A + B
27314	-	ACT TCA CCC AGG CAG GAA G	-	Wild type Reverse	A
27315	-	TTC TGA GCT GGG AAG GAA TG	-	Mutant Reverse	B

Number Of Reactions 1

Reaction A (2 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
dNTPS-kapa	.26 mM	4	68	10sec	-
27313	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
		6	94	15sec	-

Reaction A (2 Primer)		Cycling (TouchDown 65-60_12-12-11)			
27314	.5 uM	7	60	15sec	-
Glycerol	6.5 %	8	72	10sec	-
Dye	1 X	9	-	-	repeat steps 6-8 for 28 cycles
Kapa 2G HS taq polymerase	.03 U/ul	10	72	2 min	-
DNA		11	10	-	hold

Reaction B (2 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
dNTPS-kapa	.26 mM	4	68	10sec	-
27315	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
27313	.5 uM	6	94	15sec	-
Glycerol	6.5 %	7	60	15sec	-
Dye	1 X	8	72	10sec	-
Kapa 2G HS taq polymerase	.03 U/ul	9	-	-	repeat steps 6-8 for 28 cycles
DNA		10	72	2 min	-
		11	10	-	hold

Version 3.2