



## Welcome to The Genotyping Protocol System

## Master Protocol

**Strain Name:** C57BL/6NJ-Ncoa6<sup>em1J/J</sup>  
**Stock Number:** 026912  
**Allele:** Ncoa6<sup>em1J</sup>-EP  
**Protocol Name:** Ncoa6<sup>em1J</sup>-EP  
**Method:** End Point Analysis  
**Created:** 09-April -2015 (DTG) **Updated:** 16-March -2016 (LUCASM)

## Notes

Expected Results: Mutant = -----/-----  
 Heterozygote = **ggcgactcaga/-----**  
 Wild type = **ggcgactcaga/gcgactcaga**

## Attachments



View 26912.JPG

- View ncoa-26912-seq.JPG
- View Ncoa6-26912-seq.SPF
- View Ncoa6em1j 122214.docx
- View Ncoa6em1j-26912-CRISPR.gcs

## Sequence

Sequence ACTTCCTTGTGTTTCATCTACAATG(**ggcgactcaga/-----**)GGTGGAGTTTGACTCTGGACTA  
 GAAGA

## Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
22956	-	TTG GAT GAC CTT CCA AAC TT	-	Forward	-
22957	-	CGT GTC ATC ATC TTC TAG TCC AG	-	Reverse	-
22958	Hex	CAA TGG GCG ACT CAG AGG T	Black Hole Quencher 1	WT Probe	-
22959	6-FAM	ATC TAC AAT GGG TGG AGT TTG A	Black Hole Quencher 1	MUT Probe	-

## Reaction/Components A

Reaction Components	Volume Amt	Final Concentration	Total Volume Amt
2 X Kapa Probe Fast QPCR	2.50	.42	-
ddH2O	7.44	-	-
100 uM 22956	0.02	.17	-

## Cycling

Step #	Temp°C	Time	Note
1	95	10min	-
2	92	15sec	-
3	60	1 min	-
4	-	-	repeat steps 2-3 for 40 cycles

Reaction/Components A				Cycling			
100 uM 22957	0.02	.17	-	5	4	-	Forever
100 uM 22958	0.01	.08	-				
100 uM 22959	0.01	.08	-				
DNA	2.00	-	-				

Number Of Reactions 1

Version 3.2