



## Welcome to The Genotyping Protocol System

## Master Protocol

**Strain Name:** C57BL/6NJ-Slc8b1<sup>em1J</sup>/J  
**Stock Number:** 026242  
**Allele:** Slc8b1<sup>em1J</sup>-EP  
**Protocol Name:** Slc8b1<sup>em1J</sup>-EP  
**Method:** End Point Analysis  
**Created:** 09-March -2015 (ESCHAAB) **Updated:** 04-August -2015 (LUCASM)

## Notes

Expected Results: Mutant = -----/-----  
Heterozygote = agacggcgtctgg/-----  
Wild type = agacggcgtctgg/agacggcgtctgg

## Attachments



View 26242.jpg

- View Slc8b1\_molecular description\_modified\_121514\_26274.docx
- View 26242 Slc8b1-CRISPR.gcs

## Sequence

Sequence TCCTCTGTGTGGCTCTGATACTGG(agacggcgtctgg/-----)  
GACCGGAGACCCATCCACAAAAGCCC

## Protocol Primers

| Primer | 5' Label | Sequence 5' --> 3'         | 3' Label              | Description | Reaction |
|--------|----------|----------------------------|-----------------------|-------------|----------|
| 22909  | -        | GGC TCC TGT CTT CCT CTG TG | -                     | Forward     | -        |
| 22910  | -        | GTG TCC ATG GGC TTT TGT G  | -                     | Reverse     | -        |
| 22911  | Hex      | TGG AGA CGG CGT CTG G      | Black Hole Quencher 1 | WT Probe    | -        |
| 22912  | 6-FAM    | CTG ATA CTG GGA CCG GAG AC | Black Hole Quencher 1 | MUT Probe   | -        |

| Reaction/Components A    |            |                     |                  | Cycling |        |       |                                |
|--------------------------|------------|---------------------|------------------|---------|--------|-------|--------------------------------|
| Reaction Components      | Volume Amt | Final Concentration | Total Volume Amt | Step #  | Temp°C | Time  | Note                           |
| 2 X Kapa Probe Fast QPCR | 2.50       | .42                 | -                | 1       | 95     | 10min | -                              |
| ddH2O                    | 7.44       | -                   | -                | 2       | 95     | 15sec | -                              |
| 100 uM 22909             | 0.02       | .17                 | -                | 3       | 60     | 1min  | repeat steps 2-3 for 40 cycles |
| 100 uM 22910             | 0.02       | .17                 | -                |         |        |       |                                |
| 100 uM 22911             | 0.01       | .08                 | -                |         |        |       |                                |
| 100 uM 22912             | 0.01       | .08                 | -                |         |        |       |                                |
| DNA                      | 2.00       | -                   | -                |         |        |       |                                |

Number Of Reactions 1

Version 3.2