



## Welcome to The Genotyping Protocol System

## Master Protocol

**Strain Name:** C57BL/6NJ-Ahsa1<sup>em1J/J</sup>  
**Stock Number:** 029805  
**Allele:** Ahsa1<sup>em1j</sup> Probe  
**Protocol Name:** Ahsa1<sup>em1j</sup> Probe  
**Method:** Probe  
**Created:** 26-October -2016 (DTG) **Updated:** 26-October -2016 (DTG)

## Notes

Notes: Taqman qPCR protocols are run on a real time PCR instrument. Use an appropriate instrument specific Fluorophore/Quencher combination. The transgene genotype is determined by comparing  $\Delta C_t$  values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.

Expected Results: Mutant= 91 bp  
Wild Type = 119 bp

## Protocol Primers

| Primer | 5' Label | Sequence 5' --> 3'              | 3' Label              | Description       | Reaction |
|--------|----------|---------------------------------|-----------------------|-------------------|----------|
| 30412  | -        | ATG GAA CTG ACG AGA TCA AGC     | -                     | Common            | -        |
| 30413  | -        | AGG TTC TGA GCA CTG ACA AAC TC  | -                     | Wild type Forward | -        |
| 30414  | -        | ATG TTT GTG GAC ATT CTA GGG TAG | -                     | Mutant Forward    | -        |
| 30415  | 6-FAM    | TTG AGA GGG TTG GGT TGT TT      | Black Hole Quencher 1 | MUT Probe         | -        |
| 30416  | Hex      | AGA AGA CGG TGT TGC TTT GA      | Black Hole Quencher 1 | WT Probe          | -        |

Number Of Reactions 1

Version 3.2