



## Welcome to The Genotyping Protocol System

## Master Protocol

**Strain Name:** C57BL/6NJ-Rprd1a<sup>em1J</sup>/J  
**Stock Number:** 029688  
**Allele:** Rprd1a<sup>em1J</sup> Probe  
**Protocol Name:** Rprd1a<sup>em1J</sup> Probe  
**Method:** Probe  
**Created:** 22-September-2016 (LUCASM) **Updated:** 15-November -2016 (ESCHAAB)

## 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: Muant= 147 bp  
Wild Type = 113 bp

## Attachments



View Rprd1a-29688 EP.jpg

- View Rprd1a genomic.gcs
- View Rprd1aem1jMolDesSep2016.docx

## Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29834	-	TGA GAA GCG GCT GAG TAG C	-	Common	A
29835	-	CCC CAT TTA ATT TAG GCA AAC	-	Wild type Reverse	A
29836	-	CAG TGA TGT TCA TCC CAG CA	-	Mutant Reverse	A
29837	Hex	CAG TTC CCA CTT CTC CGA AC	Black Hole Quencher 1	WT Probe	-
29838	6-FAM	CAT TCA AAA GCC CCT CAT CA	Black Hole Quencher 1	MUT Probe	-

Number Of Reactions 1

Reaction A (Endpoint 3 primer)		Cycling (EndPoint)			
Component	Final Concentration	Step #	Temp°C	Time	Note
Kapa Probe Fast QPCR	1 X	1	95	3min	-
ddH2O		2	95	5sec	-
29836	.4 uM	3	60	30sec	-
29834	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29835	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				

<b>Reaction A (Endpoint 3 primer)</b>	
Mutant Probe	.15 uM
DNA	

Version 3.2