



Welcome to The Genotyping Protocol System

**Master Protocol**

**Strain Name:** C57BL/6NJ-Eogt<sup>em1J/J</sup>  
**Stock Number:** 026034  
**Allele:** Eogt<sup>em1J</sup>-EP  
**Protocol Name:** Eogt<sup>em1J</sup>-EP  
**Method:** End Point Analysis  
**Created:** 11-December -2014 (TGSPRTL) **Updated:** 15-December -2014 (TGSPRTL)

**Notes**

Expected Results: Mutant =ACAAGGCTCATTCTG[-----]CCTGTATGACTACTC  
 Wild type = ACAAGGCTCATTCTG[aggctgacgatgcgctggcaaggc]CCTGTATGACTACTC

**Attachments**

View eogt-ep1.jpg



View eogt-ep2.jpg

- View Eogt.gcs
- View mEogt\_WT.gcs
- View Molecular description of Eogt-ex4 CRISPR KO.docx

**Sequence**

Sequence  
 GTCTGCAGGTTGCTATGTTAATGCTGCTTGCTTTGGAGTATTGCTTCATGAAGTCCCACT  
 GAGTGGCCAGGACAAGGCTCATTCTG[aggctgacgatgcgctggcaaggc]CCTGTATGACTAC  
 TC  
 CAGCCTCCGCCTCCCTGCGGAGCACATTCCCTTCTTCTTGACAATAACAGGCATGTTGC  
 CT  
 CTGTGTGCAGGGAGGATTCCC

25 bp deletion in mutant

**Protocol Primers**

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
20856	-	TCT GTA GGT CTG CAG GTT GC	-	Forward	-
20857	-	GCA AGA AGA AGG GAA TGT GC	-	Reverse	-
20858	Hex	CCT TGC CAG GCG CAT CGT C	Black Hole Quencher 1	WT Probe	-
20859	6-FAM	TCT GCC TGT ATG ACT ACT CCA GCC T	Black Hole Quencher 1	MUT Probe	-

**Reaction/Components A****Cycling**

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	0.07	-	-	2	92	15sec	-
100 uM 20856	0.02	.03	-	3	60	1 min	-
100 uM 20857	0.02	.03	-	4	-	-	repeat steps 2-3 for 40 cycles
100 uM 20858	0.01	.02	-	5	4	-	Forever
100 uM 20859	0.01	.02	-				
DNA	2.37	-	-				

Number Of Reactions 1

Version 3.2