



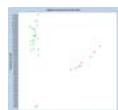
Welcome to The Genotyping Protocol System

**Master Protocol**

**Strain Name:** C57BL/6NJ-*Adad1<sup>em1</sup>J/J*  
**Stock Number:** 025814  
**Allele:** Adad1-6098-KOMP CRISPR-EP  
**Protocol Name:** Adad1-6098-KOMP CRISPR-EP  
**Method:** End Point Analysis  
**Created:** 23-February -2015 (JKELMEN) **Updated:** 26-March -2015 (JKELMEN)

**Notes**

Expected Results: Mutant =-----/-----  
 Heterozygote = **atattcctctgaaagttgtagtctgcga**/-----  
 Wild type = **atattcctctgaaagttgtagtctgcga/atattcctctgaaagttgtagtctgcga**

**Attachments**

View 266901-ep1-zoom.jpg



View 266901-ep1.jpg

- View Adad1em1j1-22-15.docx
- View Adad1 CRISPR.gcs
- View Adad1 CRISPR mutant.gcs

**Sequence**

GGAGAGAAAACCTTCTGGAAACAATGACTGGTTTCAGAGTCCAGGGTCCCAGCTTTGCT  
 CA  
 GATGCTGAAAAAGAATTTGCCAGTTCAGCCATCAGCTCAGACAGTAACCTTTGCCCACTGG  
**[atattcctctgaaagttgtagtctgcga]**ATATGGCATCCAAGGTTACGCAAGTGACAGGTACAACCTT  
 T  
 CTTTTATTGTAGAAAGTACCTAGATACACAAAAGATTATGGGATTGATAGTAAGTCTAAAGT  
 GATGTGGGTGTGGGTGTATGTTGTCTCTCATCTCTGTGG

Sequence

Mutant is a deletion of bases in red.

**Protocol Primers**

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
22780	-	CAG TTC AGC CAT CAG CTC AG	-	Forward	-
22781	-	TTG TAC CTG TCA CTT GCG TAA C	-	Reverse	-
22782	Hex	TTC CTC TGA AAG TTG TAG TCT GTC G	Black Hole Quencher 1	WT Probe	-

**Protocol Primers**

22783	6-FAM	GCC CAC TGG ATA TGG CAT	Black Hole Quencher 1	MUT Probe	-
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**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 22780	0.02	.17	-
100 uM 22781	0.02	.17	-
100 uM 22782	0.01	.08	-
100 uM 22783	0.01	.08	-
DNA	2.00	-	-

**Cycling**

Step #	Temp°C	Time	Note
1	95	10min	-
2	92	15sec	-
3	60	1 min	-
4	-	-	repeat steps 2-3 for 40 cycles
5	4	-	Forever

Number Of Reactions 1

Version 3.2