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Dear Editor

Sincerely,

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**Title: Trans-generational differential gene expression analysis of *Manduca sexta* under immune challenge with *Serratia marcescens***

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Keywords: Trans-generational, Immune, immune priming, gene expression, transcriptome, *Manduca sexta*

Running Title: Trans-generational immune priming *Manduca sexta*

### Abstract

### Introduction

### Methods

### Results

### Multivariate

### Univariate

## Discussion

## Conclusion

### References

### Supporting Information

### Supplementary File S1

### Supplementary File S2

### Supplementary File S3

### Supplementary File S4

### Data Accessibility

The Illumina RNA-Seq read data (.fastq) are available on NCBI SRA <https://www.ncbi.nlm.nih.gov/sra> under BioProject accession number PRJNANNNNNN, and normalized read count data (.csv) and annotation files (.csv) are available on Dryad <doi:XXXXXXXXX>.

### Author Contributions

### Tables and Figures