

## Vivli Results Report Form

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**Institution:** Eli Lilly

**Vivli Data Request ID:** 00005960

**Title of Data Request:** Covid-19 Pulmonary Gene Expression Analysis

**Date:** 18-Mar-2022

In lieu or in addition to the publication of the analysis results as per the terms of the Data Use Agreement, the researcher is required to provide the results of the analysis. In the box below please provide the outcome or results of your analysis. *Please note this summary will be made public on the Vivli website along with the statistical analysis plan.* Thank you.

The project did not result in a publication.

Here is a summary of what was done and what was found.

**Purpose:** Characterize neutrophils infiltration in Covid lung using gene expression data

**Method:** Data was analyzed by volcano plot to determine genes that are differentially expressed in covid lung vs influenza lung

**Result:** A number of genes appeared to be differentially regulated in covid vs influenza. However, the panel of genes provided had very few genes specific to neutrophils.

**Conclusion:** The lack of neutrophil-specific genes in the panel did not permit any conclusions about differential regulation of neutrophils in covid vs influenza lung.