Exploring CD8+ T-cell Specificities using Single Cell Immune Profiling with an Outlook to Reproducible Bio Data Science

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Abstract

This is supposed to be an abstract.

Introduction

- What is the situation now / why is this important?

  - Difficult to reproduce data analyses

  - Amount of available data grows

  - The presentation of data to non-data stakeholders
    * E.g. in industry
    * Make it interactive to reduce work load for bioinformatician

- What can this project do to help the issue?
- What kind of data am I working with?

  - Needed theory to understand
    * How are T-cells formed
    * What determines the TCR-sequence and what is the TCR
    * Alpha- beta sequence description
    * MHC, pMHC

Methods

- Description of the structure of the package?

- Description of data set?

- How I cleaned

  - Describe dimensions of the data set(s)

- How I augmented

  - Describe dimensions of the data set(s)

- The integration into Shiny?

Results

- Presentation of models

Discussion

Conclusion