Adaptive results visualization of sequences ARVoS

Team-ARVoS

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Principal Objectives

Motivation

1. Create a dynamic and interactive results display environment (Flask)
   - Include both associative and predictive statistics
2. Create an environment that encourages model comparison

- Apply it to a meta-analysis of asthma (reference assemblies)
- Apply it to a *de-novo* assembly from a unpublished butterfly species
- Create nice documentation using Sphinx
- Dockerize the databases and WebApp for ease of use

Flask Part

- ✓ Use bootstrap theme
- ✓ Heatmap viewer
  - Table of contents view
  - Generic results view

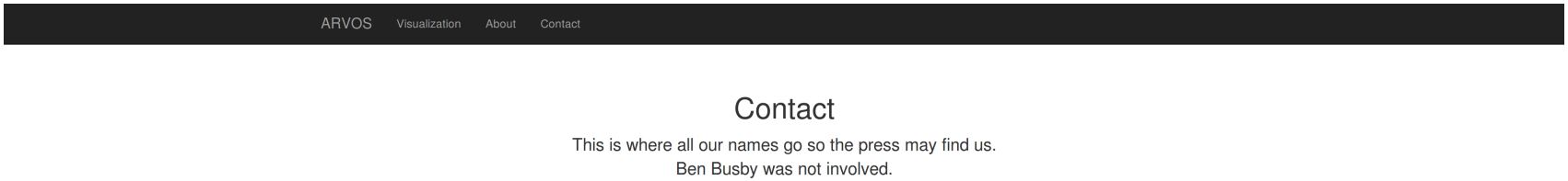
Pipleline Part

- ✓ Wrap DESeq2 in Associative Class
- ✓ Create counts to features utilities
  - Harmonize results formats

Docker, Docs

- ✓ Dockerize postgreSQL database and API
  - Asthma meta-analysis example
  - Butterfly de-novo example

Screenshots



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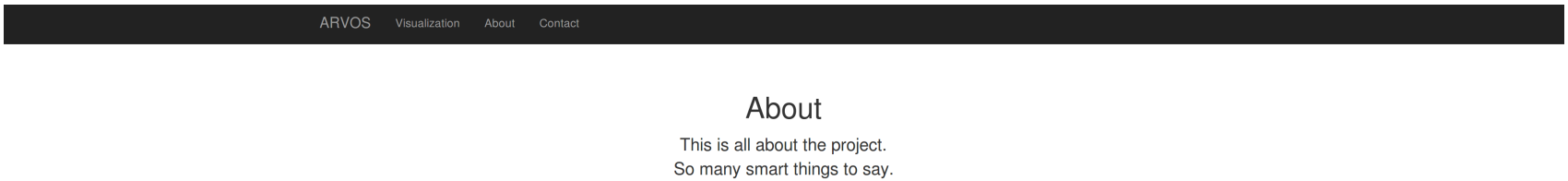

Screenshots