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DBW_Project_2025

Centralized Variant Effect Predictor Tool

Centralized Variant Effect Predictor Tool:

- Variant effect predictors (VEPs) are essential tools for interpreting genetic variants. However, querying multiple predictors separately is time consuming and inefficient.
 - Our goal is to address this issue by creating a web application that **centralizes** and **simplifies** these queries.
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Project Goal

- The application will allow users to input a genetic variant, e.g., 'BRCA1:c.68_69del', and quickly retrieve predictions from multiple tools in a single platform.
- This will streamline the process and **improve** the user experience for researchers and clinicians.
- This app will provide the first filtering barrier, helping the researcher to choose and compare the available predictor options for the variant they are working with.