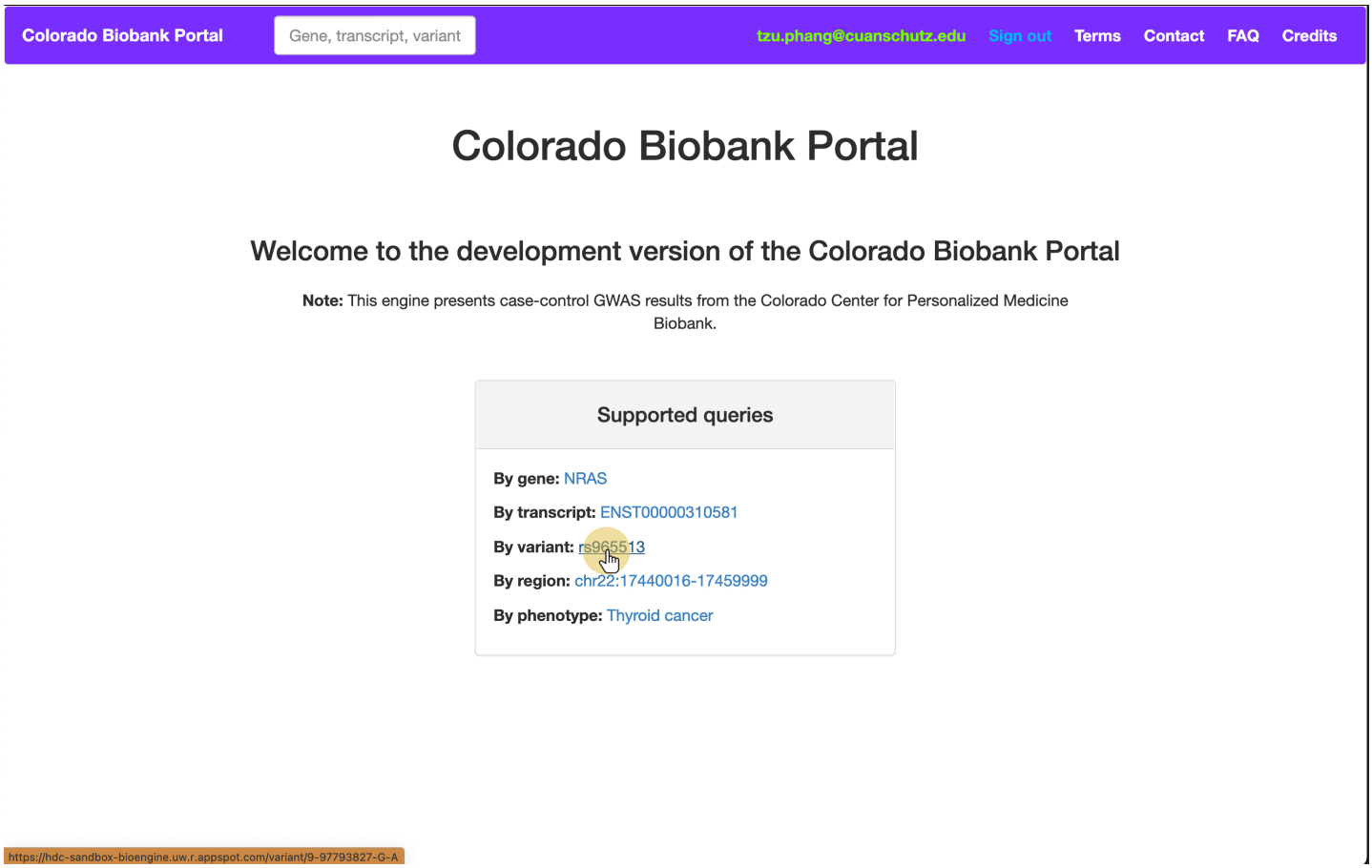
1 Search by Variant

General Instruction

You can search the Colorado Biobank Portal (CBP) using your favorite variant

The easiest way to try this out is to click on search **By varaint**.



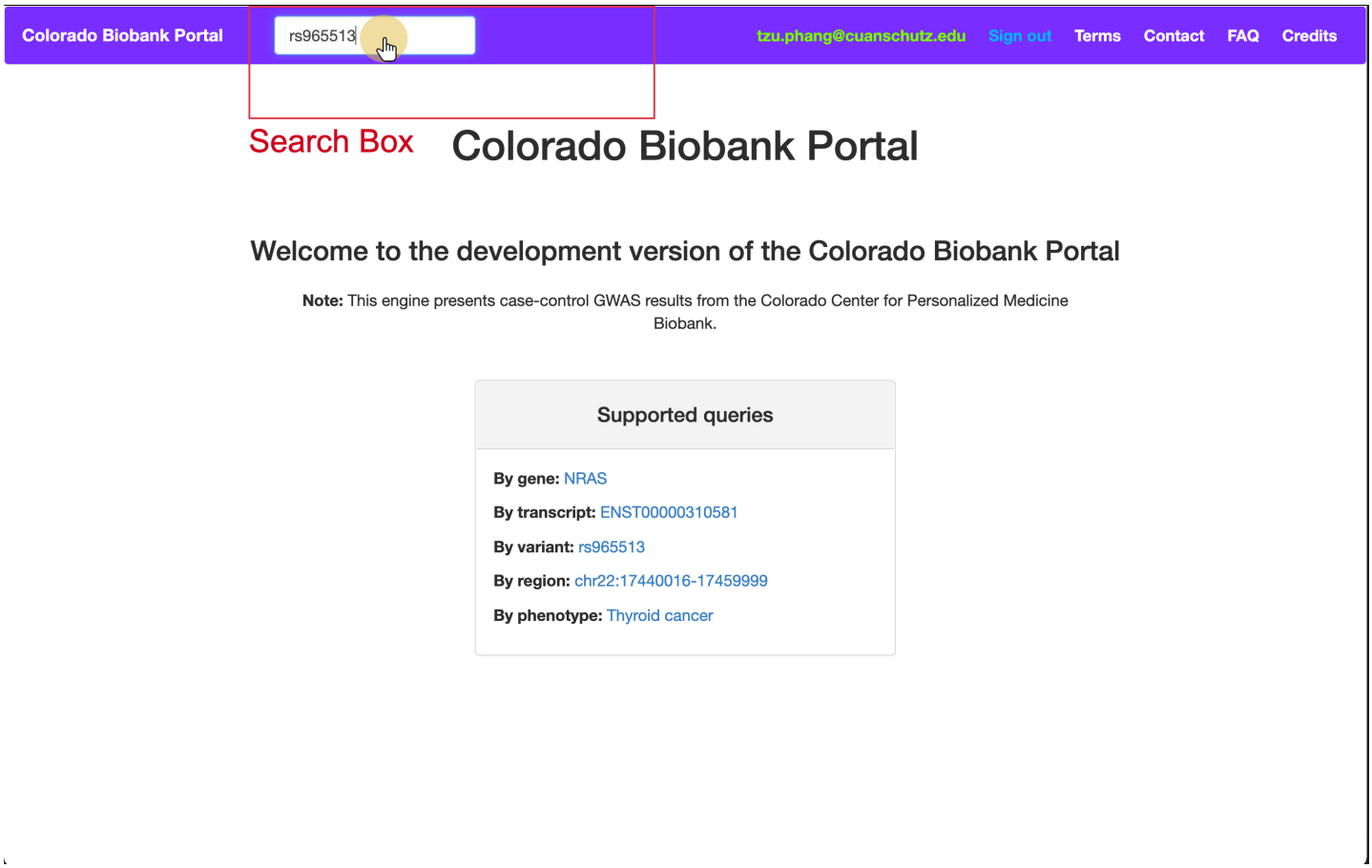
2 Insert SNP Variant

General Instruction

Alternatively, you can type the **SNP Variant** in the **Search Box** blank space

Search Format

rsID: e.g., rs965513

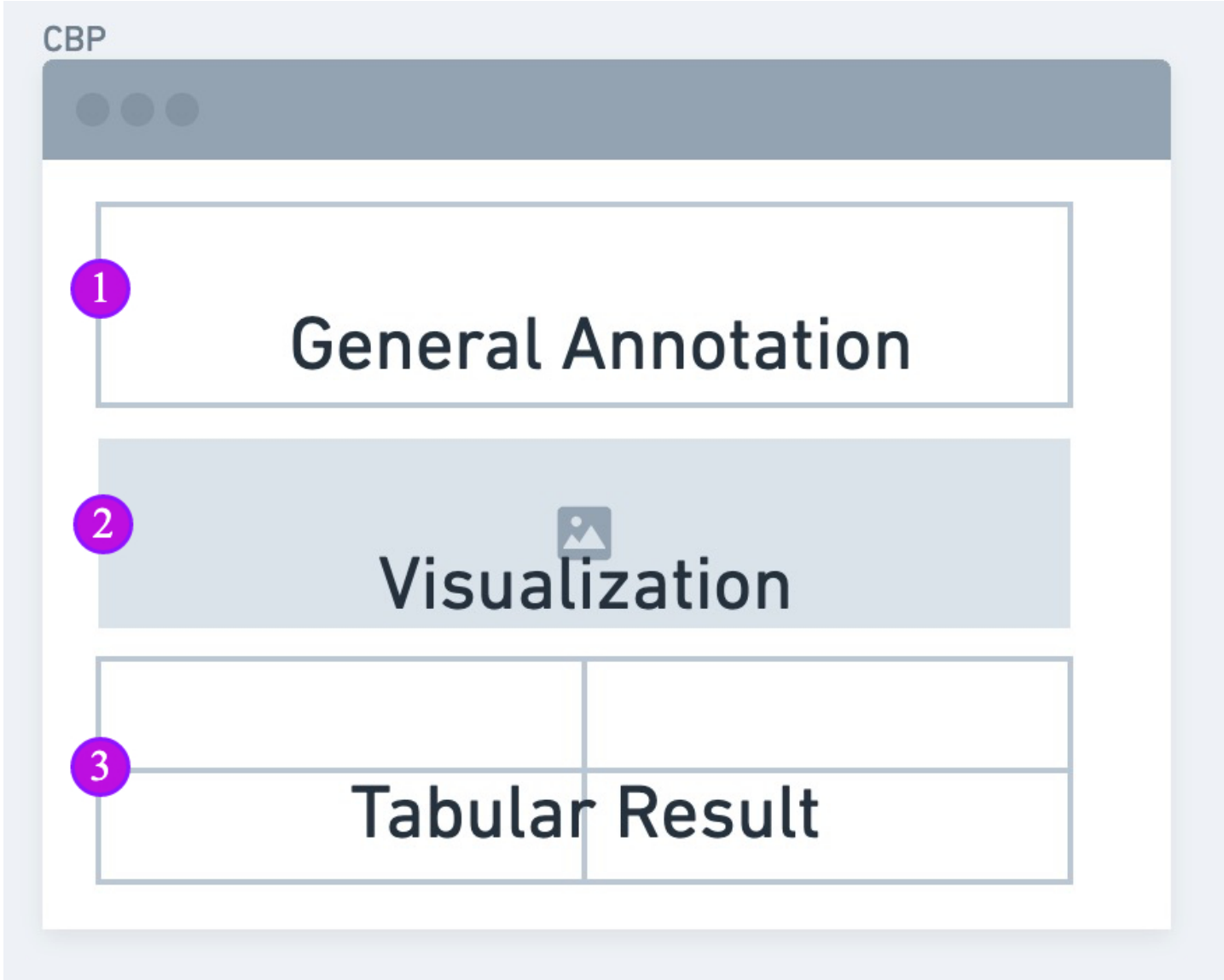


3 Results Layout

General Instruction

The search result will be displayed in this general layout that consists of three segments:

1. General Annotation: information on the search results and relevant external links
2. Visualization: graphical representation of the search results
3. Tabular Result: table layout of search results summary statistics.

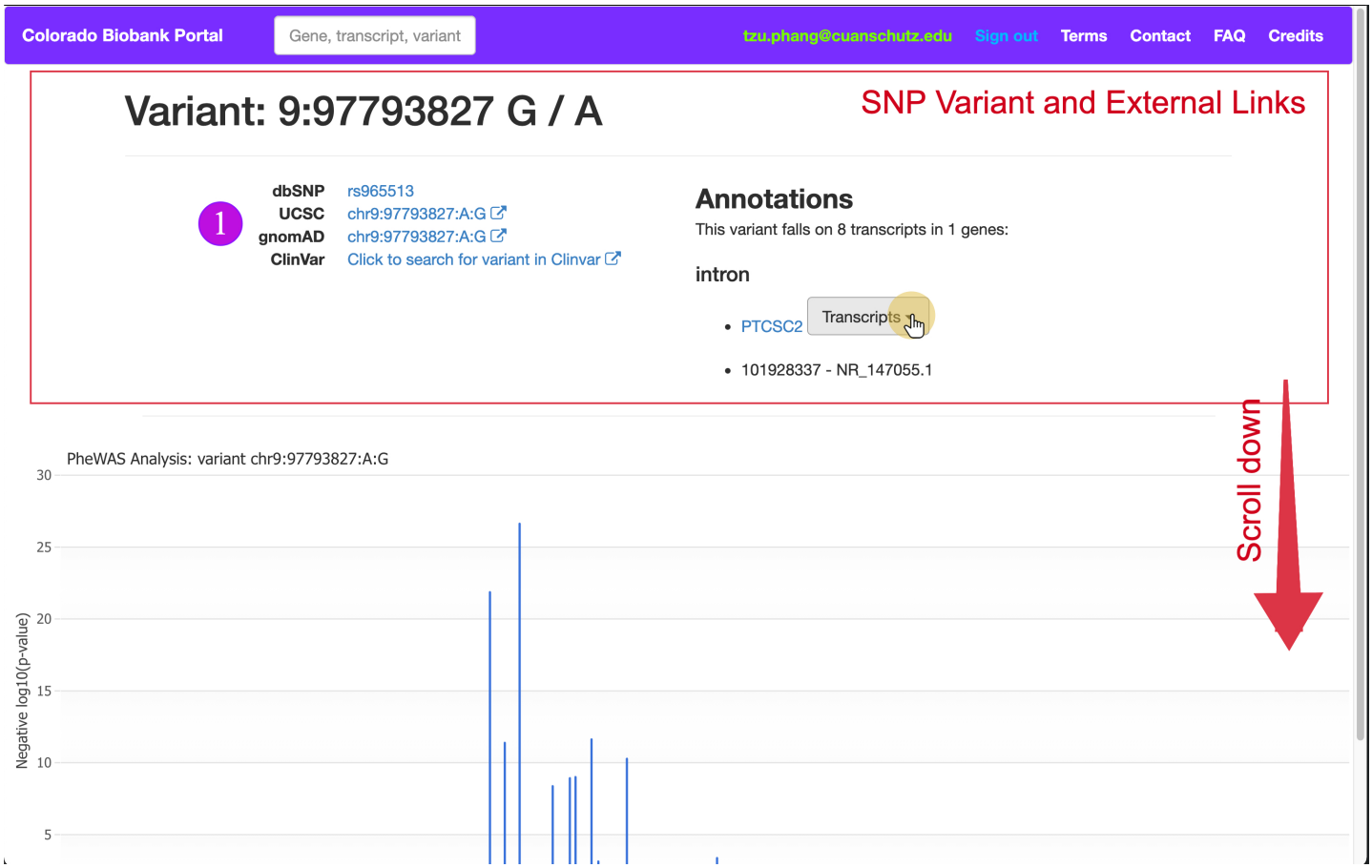


4 General Annotation

General Instruction

The top segment of the result page lists general SNP variant info and external links pertaining to the variant

1. Click on each external link to study the SNP variant further



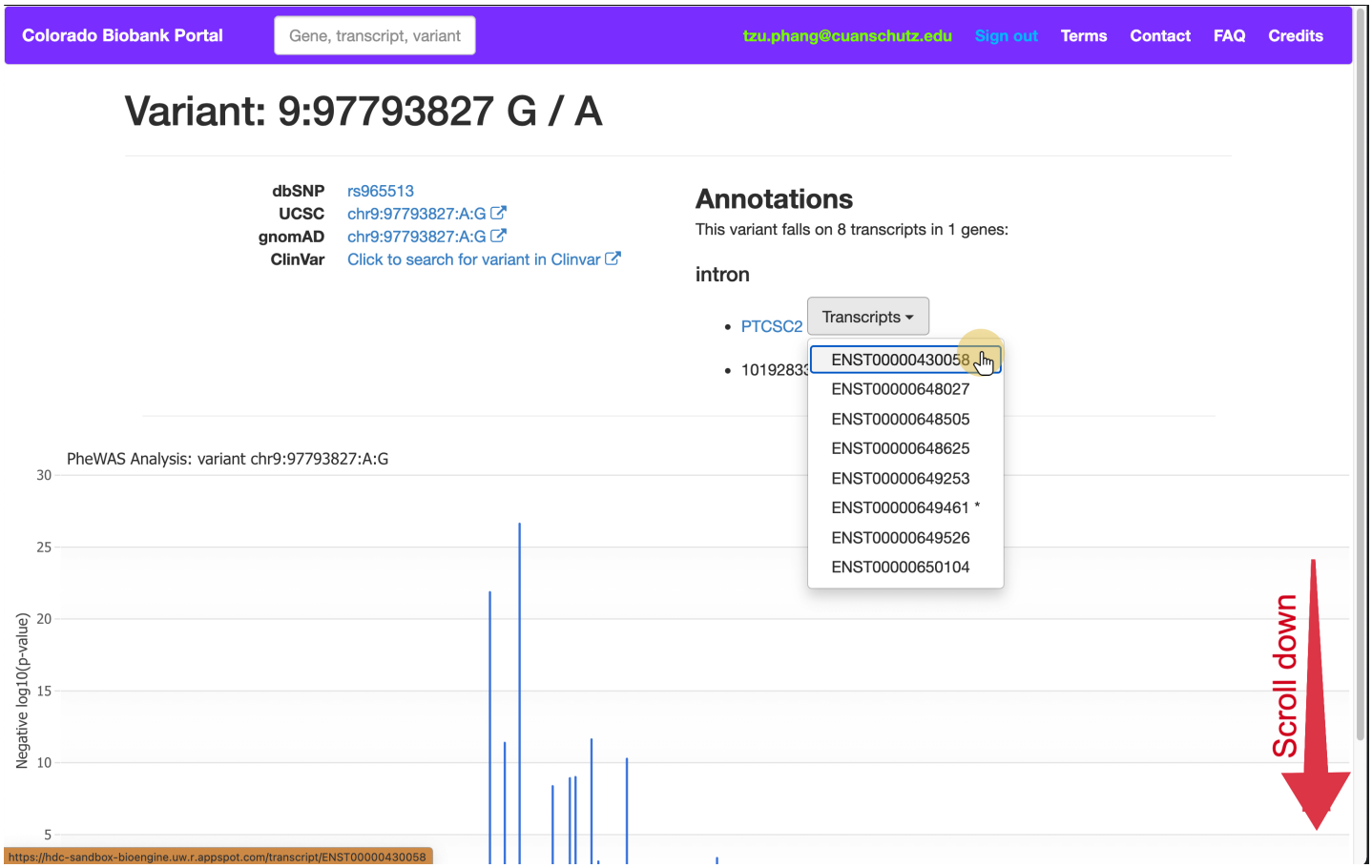
5 Variants on Other Gene Transcript

General Instruction

You can also explore variants in other gene transcripts by selecting among the alternative transcript

Scroll for more

Scroll down to reveal more result



6 Visualization: PheWAS

General Instruction

This segment shows the graphical representation of a PheWAS analysis based on the varaint of interest

1. The X-axis shows: Negative log10(p-value)
2. The Y-axis shows all computated phenotype (listed as phenodes)
3. Mouse over the peak to show the PheWAS summary statistics