Viewing expression profiles from the RGD Downloads page

Right Click on the [GEO Series ID]_jbrowse_session.json file link and select the option "Save Link As…" to download the file to your local machine.

Navigate to JBrowse2 using this link https://rgd.mcw.edu/rgdweb/jbrowse2/listing.jsp or clicking on the JBrowse icon on the RGD homepage.

Select Rat assembly GRCr8 found under the JBrowse2 header.

To import downloaded session json file from your local machine click on "File" in the top left-hand menu and select "import Session"
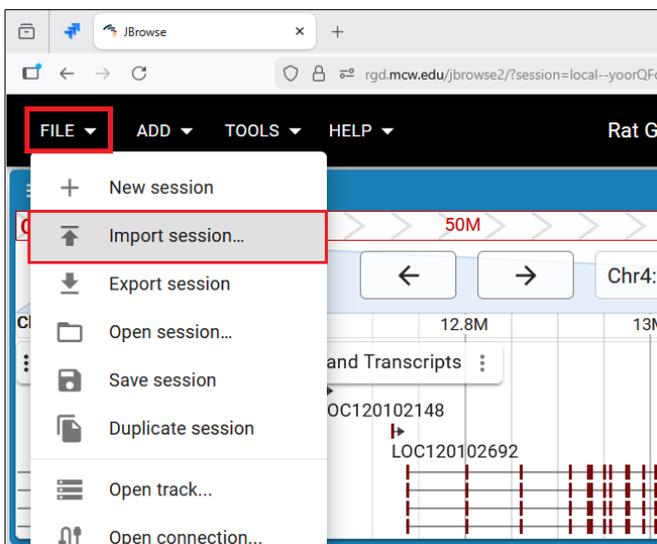
Drag and drop or select the session file from your local directory to the box in the right-hand menu.
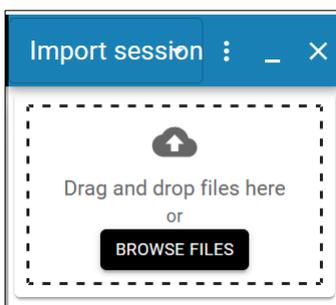
Tracks are color coded on matching strain, tissue, sex, and experimental conditions. The below example shows 3 of the 9 tracks for study GSE252116 to highlight the color coding. The track name is in the box in the top-left side of the track. Track names include (in this order) tissue_strain_sex_GEO accession ID. If there are any differences in the strain, tissue, or sex, the track color will help to differentiate between groups.
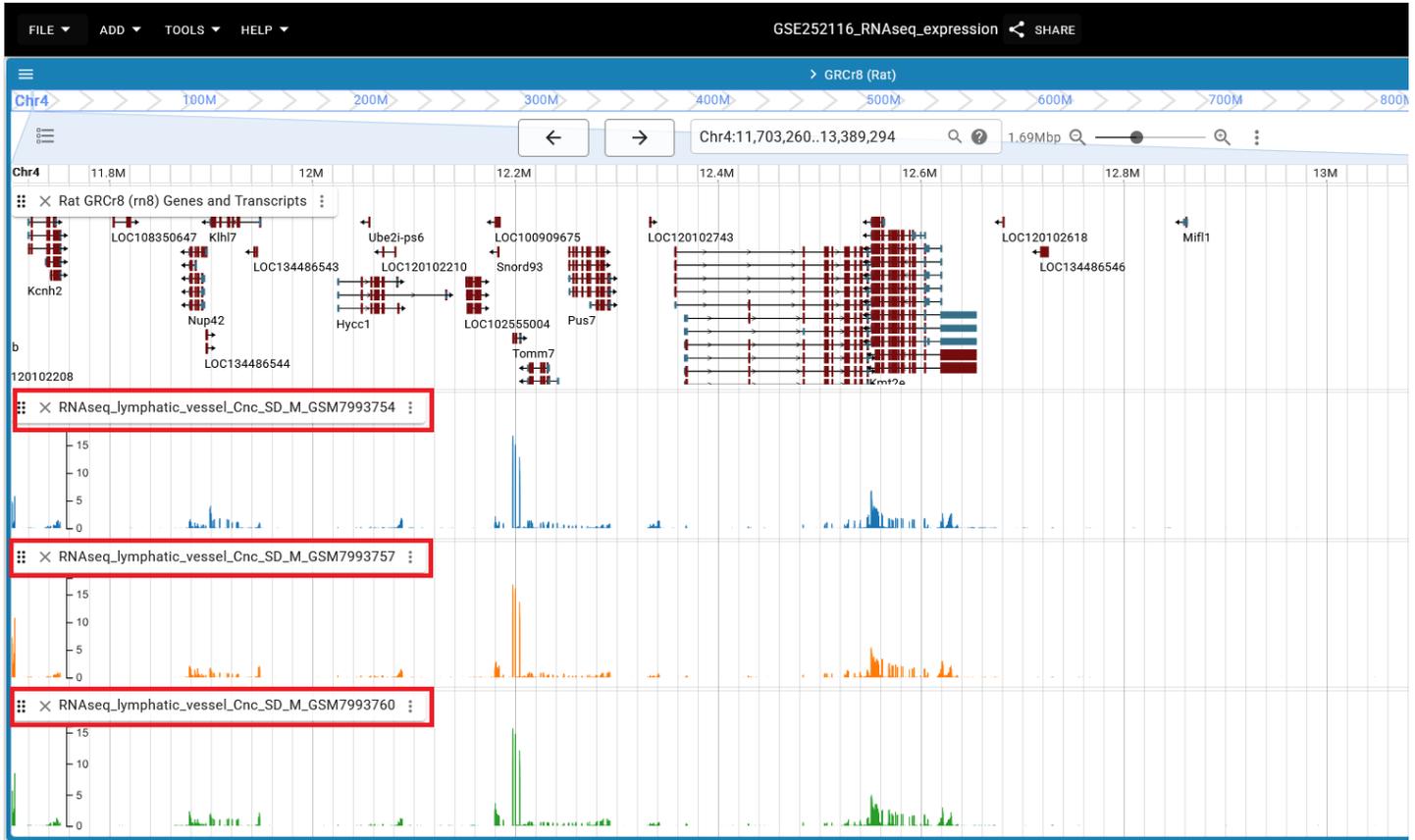
If the strain, tissue, sex groupings are identical, but the track colors are different, this indicates there are differences in the experimental conditions. To find the experimental condition differences, examine the "Sample Characteristic" field in the "About Track" tab. Open the menu by clicking the ⋮ located after the track name. Select "About Track" from the menu.
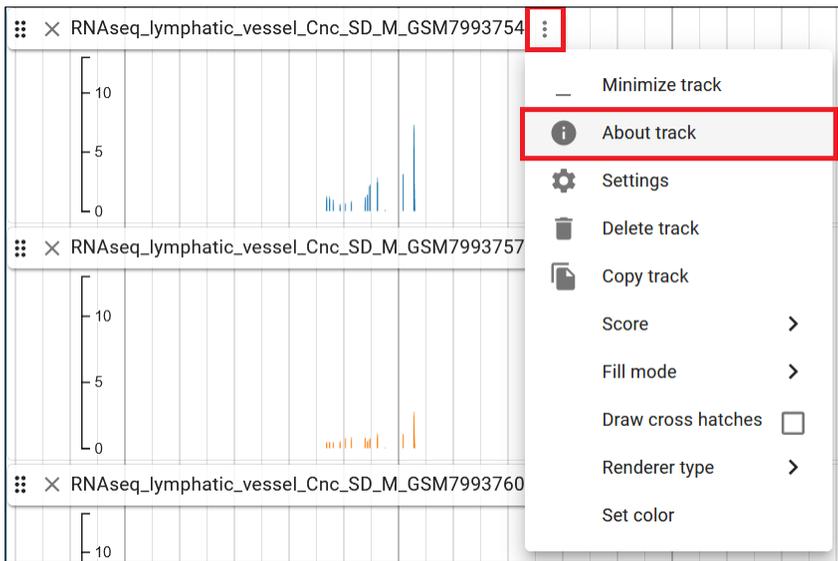
Metadata Display. Note – fully curated metadata values are available on the expression report page in the RGD user interface. The "Sample Characteristic" (experimental condition) is outlined in the red box below.