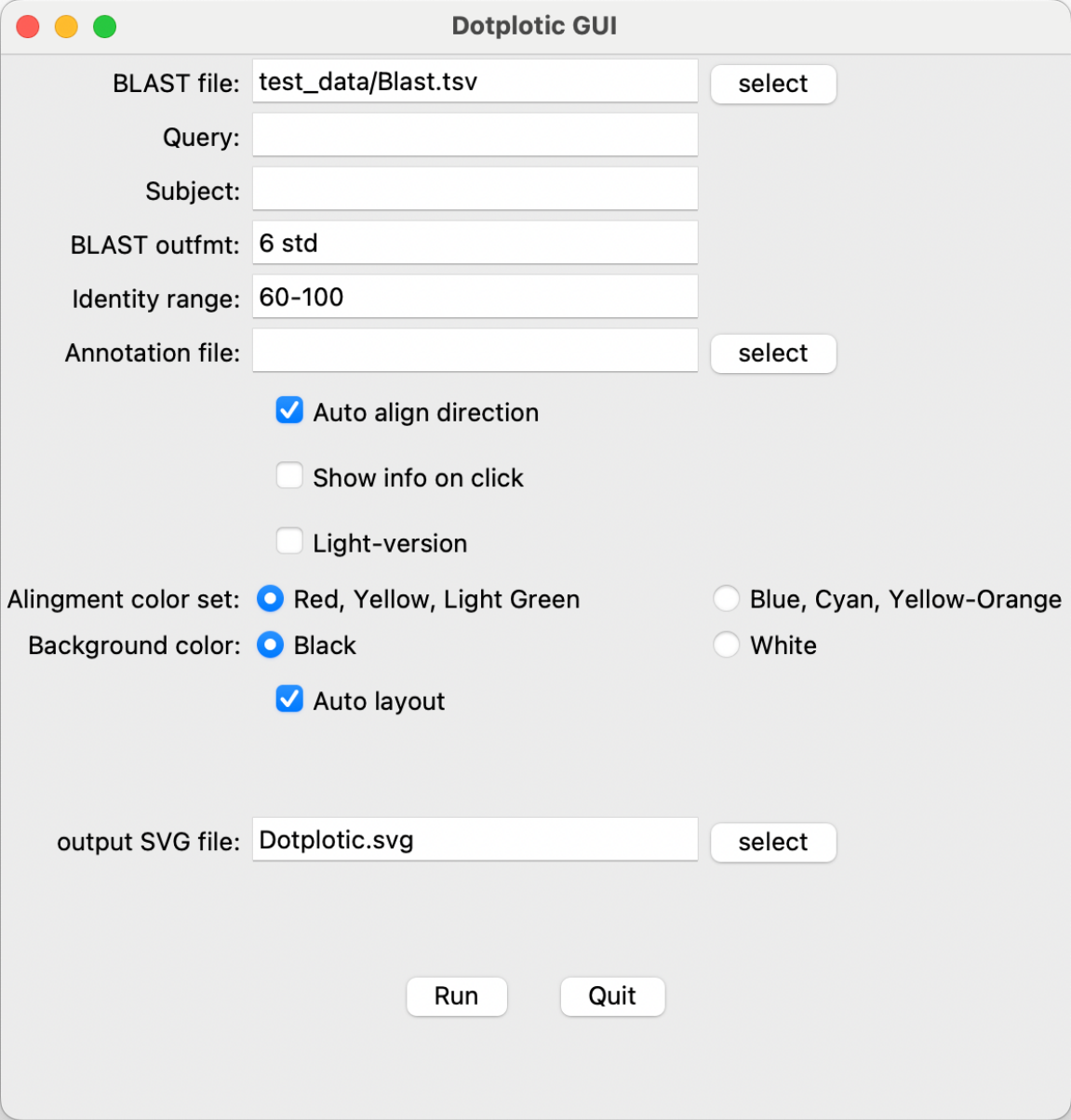


Supplementary Figure 1: Screenshot of the DotploticGUI.py



The screenshot shows a macOS-style window titled "Dotplotic GUI". It contains several input fields and checkboxes for configuring a dot plot. The "BLAST file" field is set to "test_data/Blast.tsv" with a "select" button. The "Query" and "Subject" fields are empty. The "BLAST outfmt" is set to "6 std" and the "Identity range" is set to "60-100". The "Annotation file" field is empty with a "select" button. There are three checkboxes: "Auto align direction" (checked), "Show info on click" (unchecked), and "Light-version" (unchecked). The "Alingment color set" has two radio button options: "Red, Yellow, Light Green" (selected) and "Blue, Cyan, Yellow-Orange" (unselected). The "Background color" has two radio button options: "Black" (selected) and "White" (unselected). There is also a checked "Auto layout" checkbox. At the bottom, the "output SVG file" is set to "Dotplotic.svg" with a "select" button. Finally, there are "Run" and "Quit" buttons at the very bottom.

Dotplotic GUI

BLAST file: test_data/Blast.tsv select

Query:

Subject:

BLAST outfmt: 6 std

Identity range: 60-100

Annotation file: select

☒ Auto align direction

☐ Show info on click

☐ Light-version

Alingment color set: ☒ Red, Yellow, Light Green ☐ Blue, Cyan, Yellow-Orange

Background color: ☒ Black ☐ White

☒ Auto layout

output SVG file: Dotplotic.svg select

Run Quit