Profile Plot

The profile plot displays probe(set)/gene intensity values across samples and genes.

We will invoke a profile plot from a gene list child spreadsheet with genes on rows.

- Select the rows to be visualized
- Right-click on a row header of one of the selected rows
- Select **Profile Plot (Orig. Data)** from the pop-up menu (Figure 1)

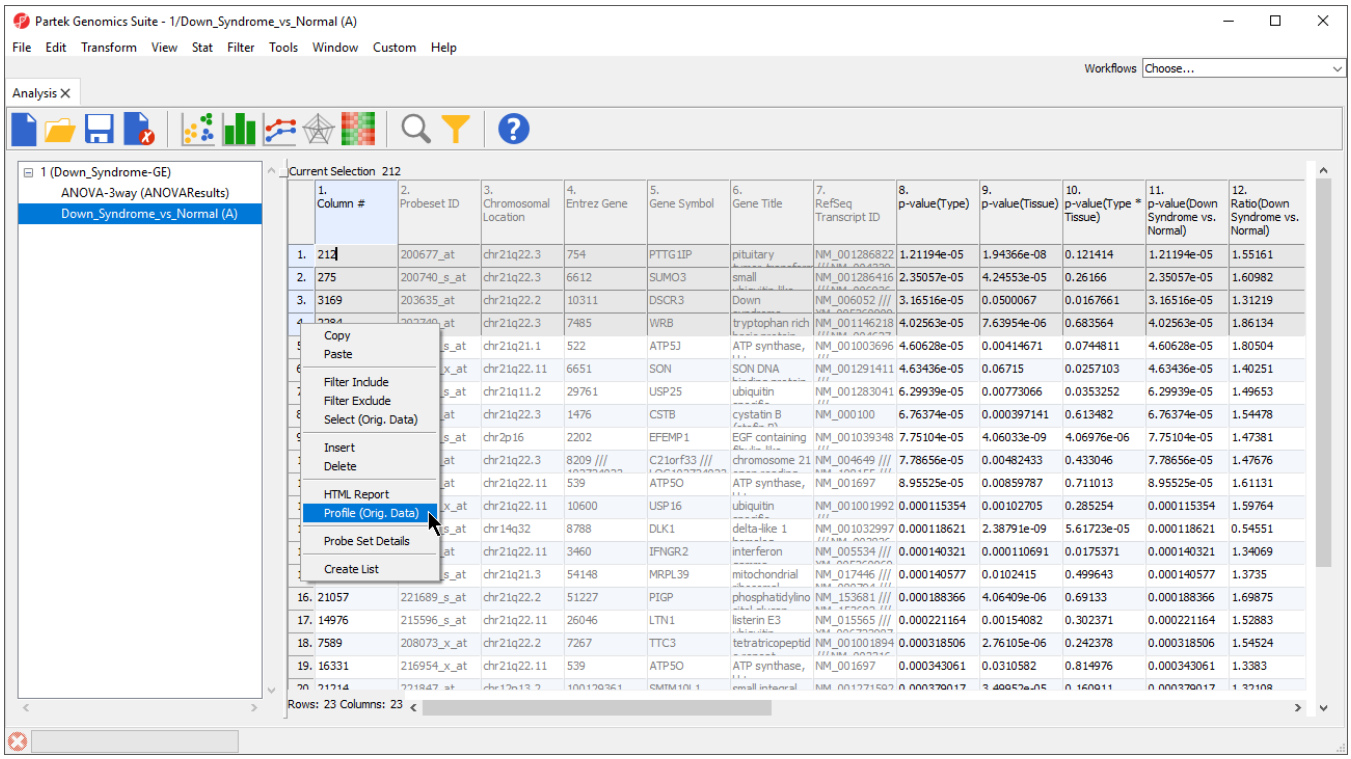

Figure 4. Selecting Profile Plot for selected rows

The profile plot will be displayed in a new tab (Figure 2). Lines are probe(sets)/genes and columns are samples from the parent spreadsheet.

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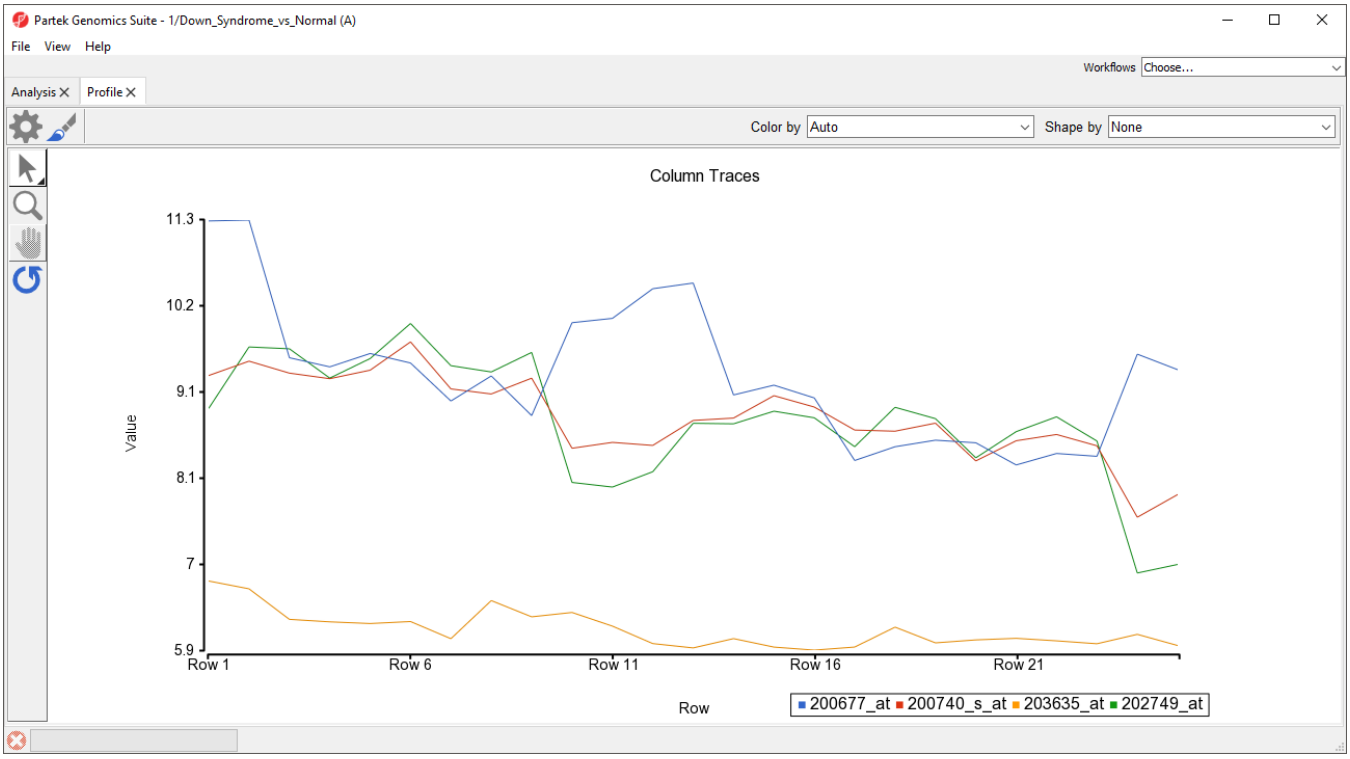

Figure 5. Basic profile plot. Each line represents a different prob(set)/gene; each column represents a sample from the parent spreadsheet

A basic profile plot will likely need customization. The plot configuration, properties, and control options are the same as shown for a dot plot. We will illustrate a few modifications here.

We can change the row labels to show each sample ID.

- Select ( )
- Select the **Axes** tab
- Set *Grid* to **1**
- Select **Rotate X-Axis Labels** and set to **90** degrees (rotates counter-clockwise)
- Set *Label Format* to **Column** and select **5. Subject**

We can add symbols to show which group each sample belongs to.

- From the *Shape by* drop-down menu, select **3.Type**
- Select **OK**

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Symbols have now been added to each profile line plot (Figure 3).

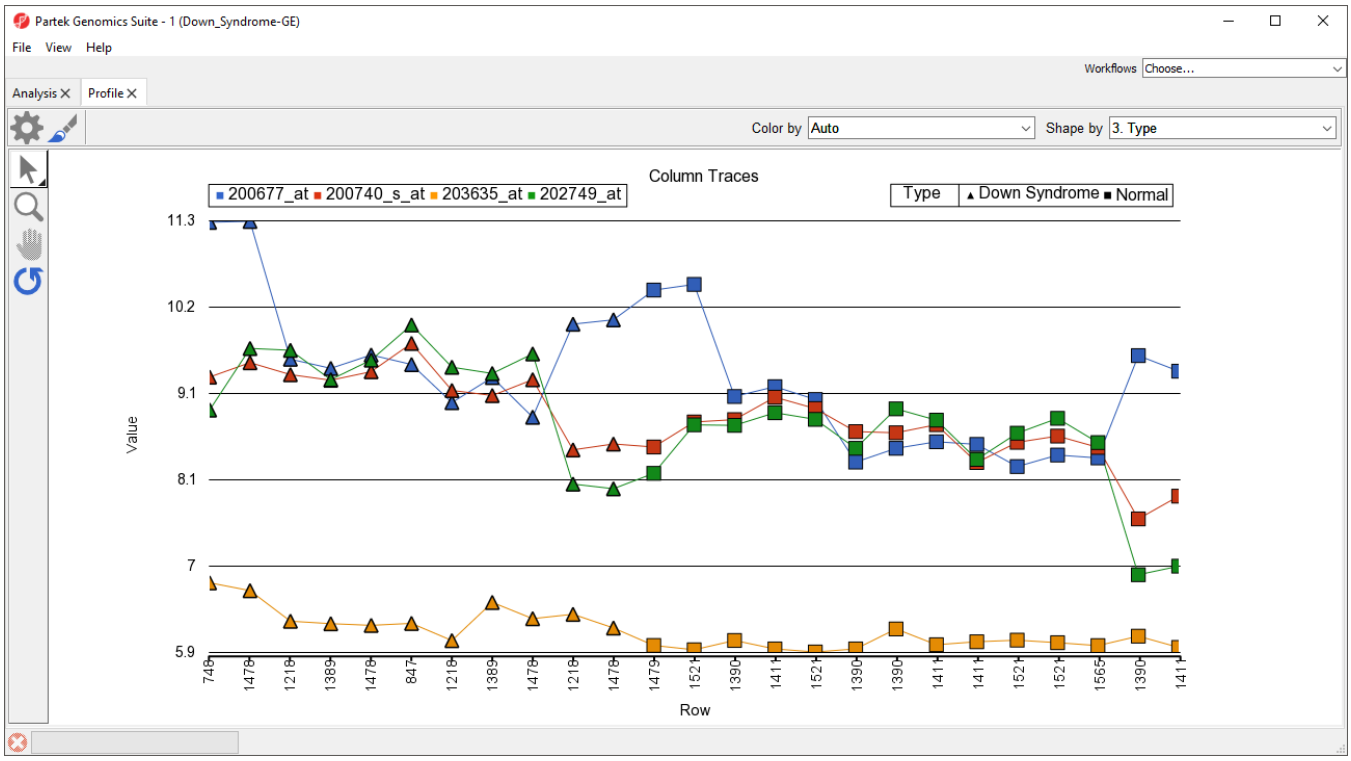

Figure 6. The profile plot can be modified to facilitate analysis or presentation

Note that samples present on the parent spreadsheet cannot be excluded from the profile plot. To plot only a subset of the samples you must filter the parent spreadsheet.

« Dot Plot XY Plot / Bar Chart »

Additional Assistance

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