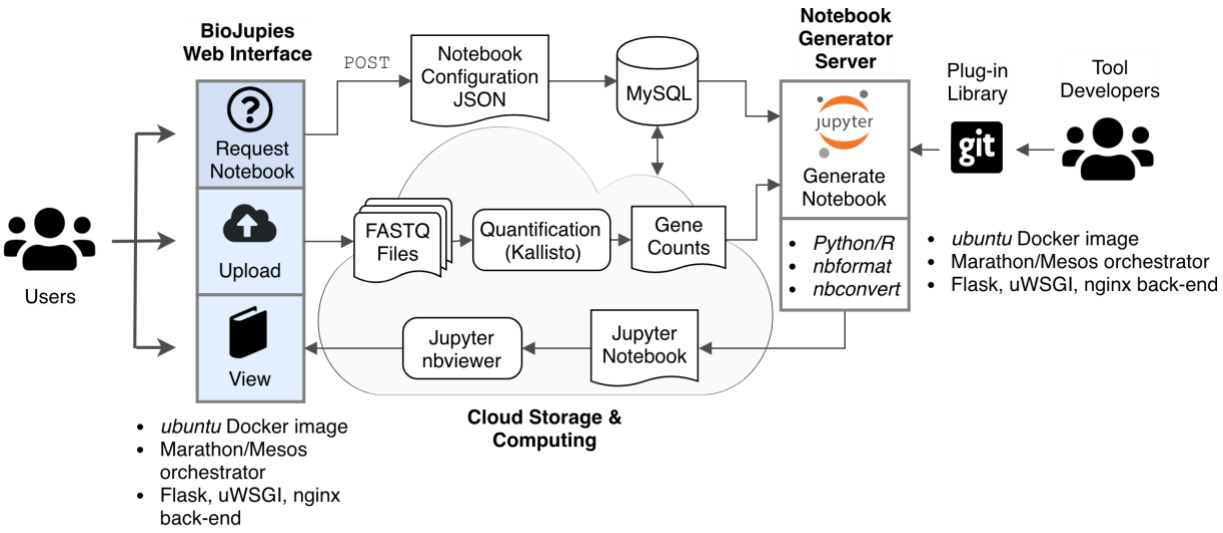

Figure S1. Components of the BioJupies website and Jupyter Notebook generator server (related to Figure 1, STAR Methods).

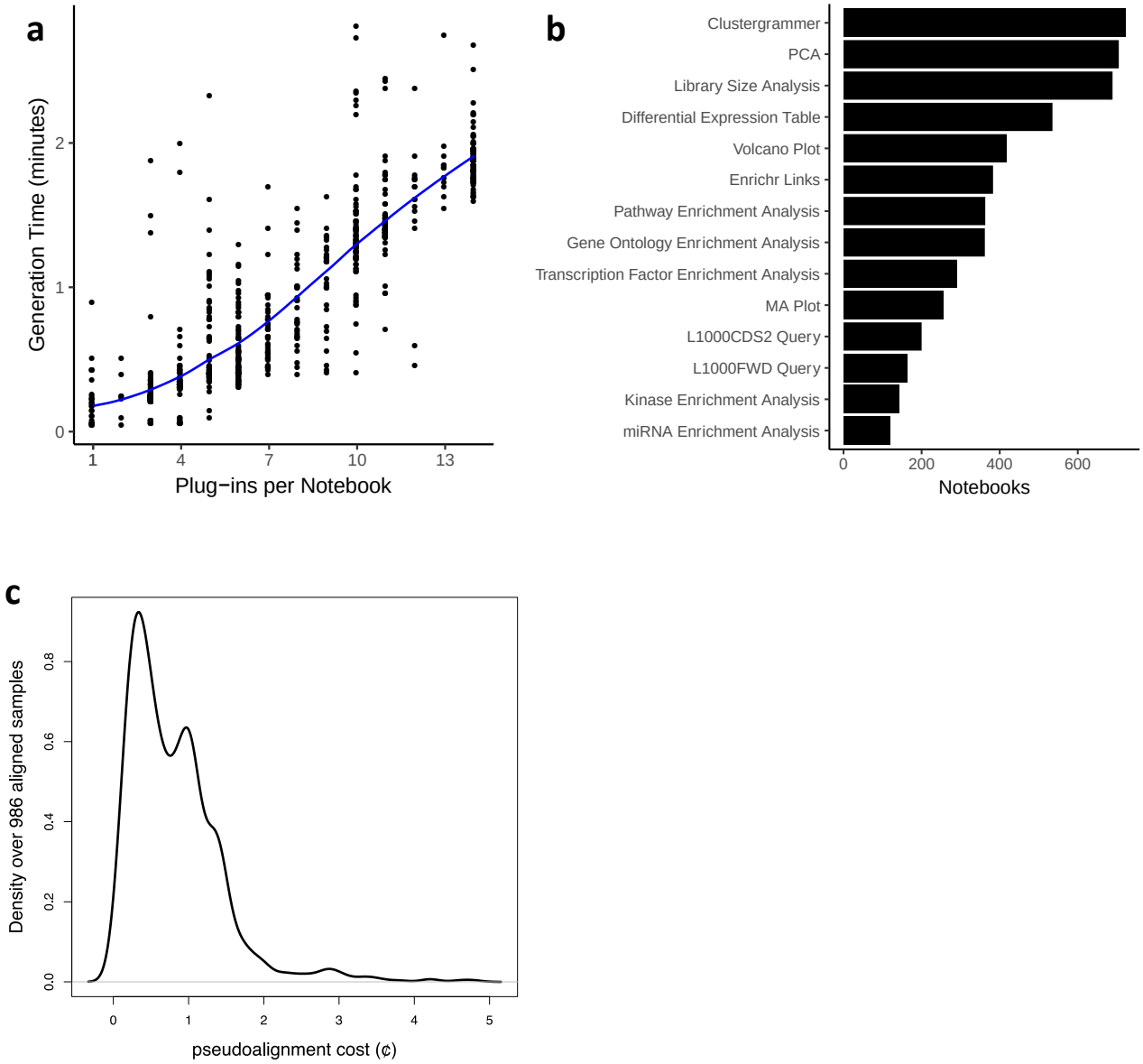

Figure S2. Notebook generation time, plugin usage and pseudoalignment cost for 986 samples and 722 notebooks generated using BioJupies (related to STAR Methods). a. Notebook generation time in minutes per number of plug-ins selected. **b.** Summary of the most frequently used BioJupies RNA-seq analysis plug-ins. **c.** Distribution of pseudoalignment cost for 986 uploaded FASTQ files incurred by running kallisto on AWS.

Title	Description	Link
1. Introduction to BioJupies	Overview of the features of the BioJupies web server.	https://youtu.be/KMIrW3wb690
2. Analyzing Raw RNA-seq Data	Instructions for uploading raw FASTQ files for analysis on the cloud.	https://youtu.be/9M1ukouB7rE
3. Analyzing Processed RNA-seq Data	Instructions for uploading processed files containing gene expression counts.	https://youtu.be/AHWxtaJYdmM
4. Analyzing GEO Data	Instructions for searching >8,000 preprocessed datasets available on GEO.	https://youtu.be/09A-l4YoH-A
5. Generating a Notebook	Overview of the steps required to generate a notebook.	https://youtu.be/_vtjKuzQqUs
6. Exploring the Notebook	Overview of the contents of a BioJupies notebook.	https://youtu.be/XsCBhBHrUxk
7. Reusing Notebooks	Instructions for downloading and executing notebooks locally.	https://youtu.be/7WFlqIlTud4
8. Using the Chrome Extension	Overview and instructions for using the BioJupies Chrome browser extension.	https://youtu.be/rS8t_E1e4Ms

Table S1. BioJupies video tutorials (related to STAR Methods).