PANOPLY: A cloud-based platform for automated and reproducible proteogenomic data analysis

SUPPLEMENTARY TABLE 1

All supplementary information is available online at **GitHub** (https://github.com/broadinstitute/PANOPLY) and **Terra** (https://app.terra.bio/), and these resource URLs are included in the main text. Here we tabulate these for convenient access.

Category	Item	Location (URL)	Notes
PANOPLY Release v1.0	PANOPLY pipelines	https://app.terra.bio/#workspaces/broad-firecloud-cptac/PANOPLY_Production_Pipelines_v1_0	Terra workspace with pre-configured pipelines, including startup notebook for easy data input and workspace configuration
	PANOPLY modules	https://app.terra.bio/#workspaces/broad-firecloud-cptac/PANOPLY_Production_Modules_v1_0	Terra workspace with all individual modules. This enables users to pick and choose modules and customize execution, but requires more knowledge of setting up inputs.
Tutorial	Tutorial description	https://github.com/broadinstitute/PANOPLY/wiki/PANOPLY-Tutorial	Step-by-step instruction on running the PANOPLY tutorial
	Tutorial workspace	https://app.terra.bio/#workspaces/broad-firecloud-cptac/PANOPLY_Tutorial	Terra workspace with tutorial instructions, data, analysis and results
Case Studies	BRCA	https://app.terra.bio/#workspaces/broad-firecloud-cptac/PANOPLY_CPTAC_BRCA	Terra workspace with data, analysis and results from the (Krug, et al,., 2020, *Cell*) breast cancer study
	LUAD	https://app.terra.bio/#workspaces/broad-firecloud-cptac/PANOPLY_CPTAC_LUAD	Terra workspace with data, analysis and results from the (Gillette, et al,., 2020, *Cell*) lung adenocarcinoma study
Code	Code for v1.0 release	https://github.com/broadinstitute/PANOPLY/tree/release-1_0	Code for current release of PANOPLY
	Development code repository	https://github.com/broadinstitute/PANOPLY	Includes release and development code

Methods	Computational methods used in PANOPLY analysis modules	https://github.com/broadinstitute/PANOPLY/wiki/Data-Analysis-Modules	Documentation for each data analysis module includes a description of methods, with appropriate references
	Data pre-processing methods	https://github.com/broadinstitute/PANOPLY/wiki/Data-Preparation-Modules	Documentation for each module includes a description of methods, with appropriate references
Documentation	PANOPLY documentation	https://github.com/broadinstitute/PANOPLY/wiki	Detailed documentation for each PANOPLY module, including description of method, inputs and outputs
	Interpreting PANOPLY reports and results	https://github.com/broadinstitute/PANOPLY/wiki/Navigating-Results	Description of interactive reports generated by PANOPLY in the context of the tutorial dataset
	Advanced uses	https://github.com/broadinstitute/PANOPLY/wiki/Customizing-PANOPLY	Customizing PANOPLY and adding new analysis modules
	PANOPLY without Terra	https://github.com/broadinstitute/PANOPLY/wiki/PANOPLY-without-Terra	Using PANOPLY on a local computer, without accessing Terra on the cloud.