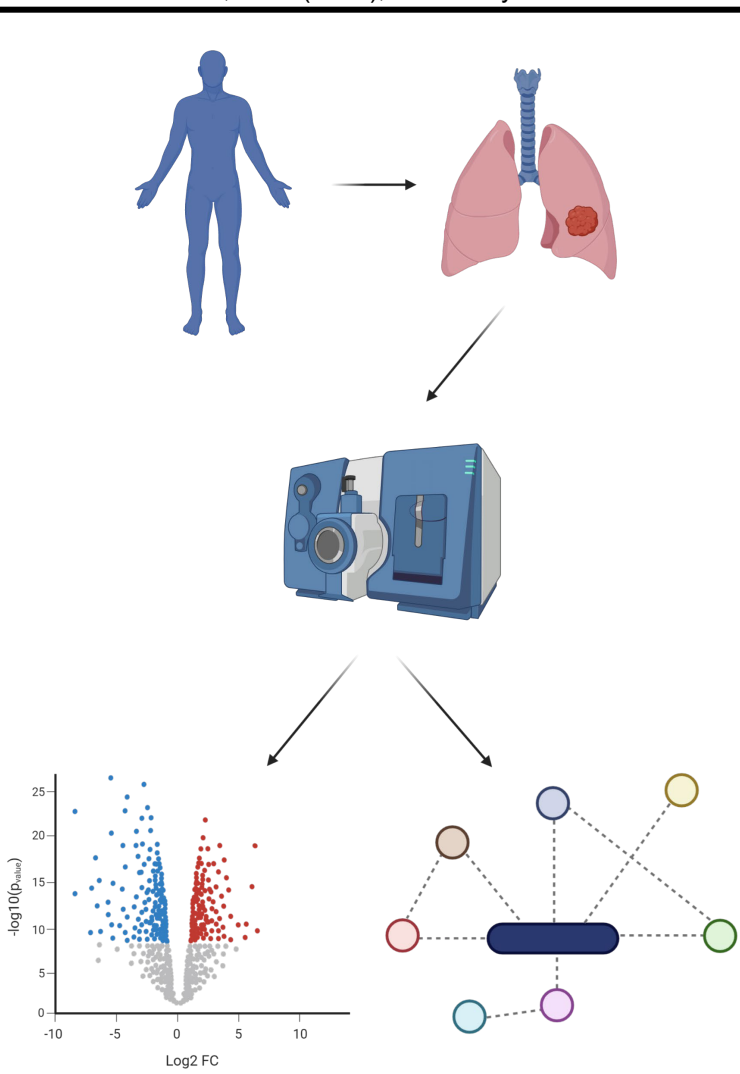




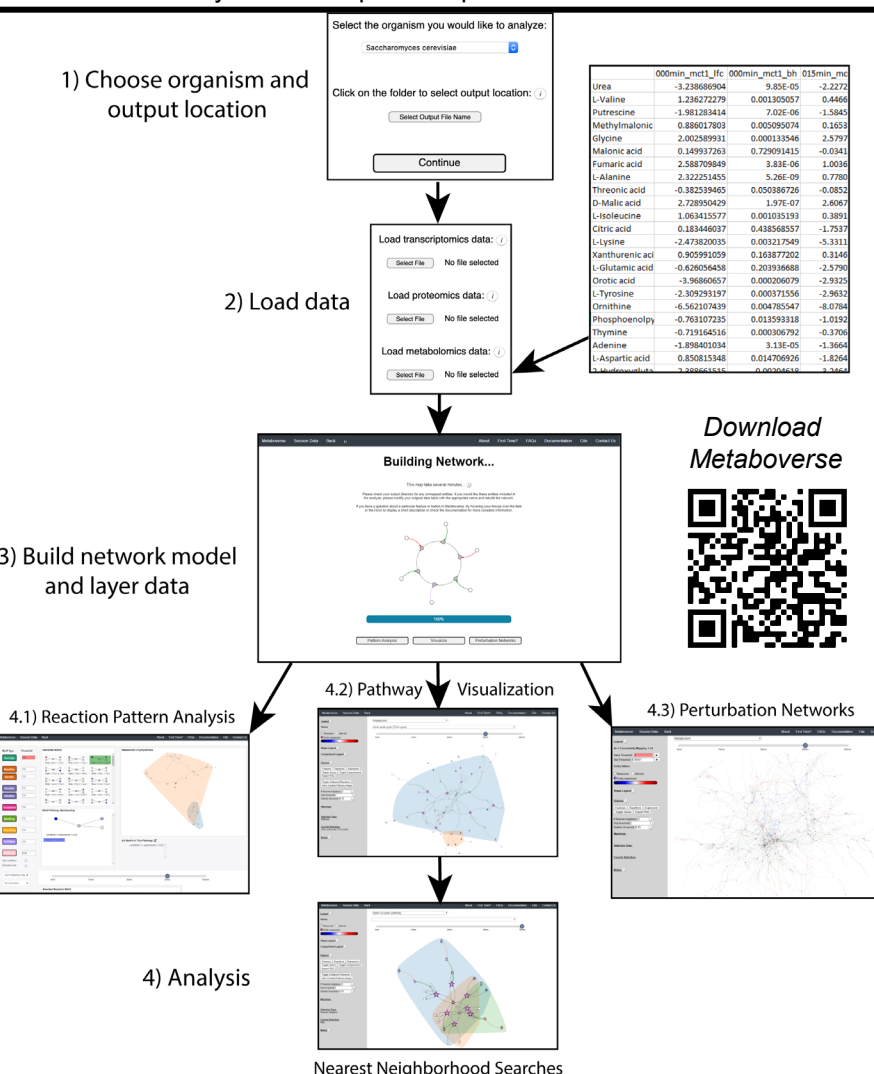
A novel metabolic signature in malignant human lung adenocarcinomas is revealed by contextual reaction pattern analysis

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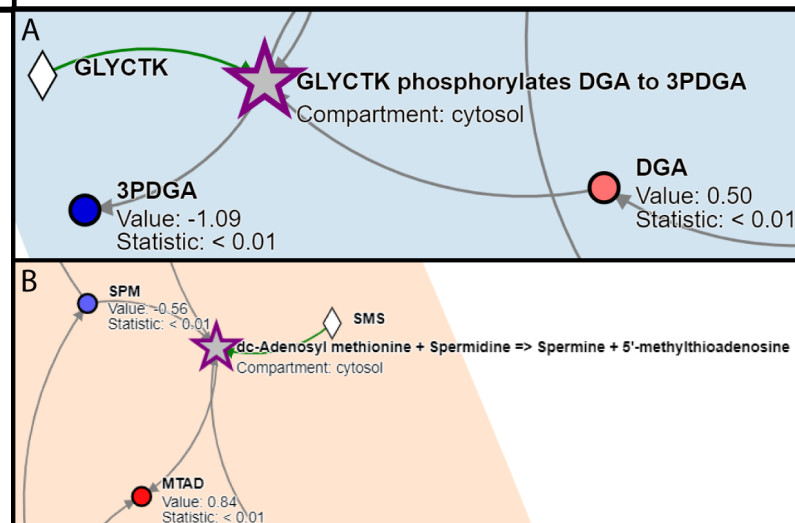
Lung adenocarcinomas and paired healthy lung tissue were obtained in Wikoff, et al. (2015), and assayed for biomarkers.



We reprocessed these metabolomics data with our tool, **Metaboverse**, to identify context-dependent patterns within the data.



We identified novel reaction patterns within the data, one around glycerate kinase (A), and the other around Spermine Synthase (B).



We cross-referenced the SMS pattern with the Human Protein Atlas and discovered SMS expression could be used as a prognostic marker in lung adenocarcinomas (C).

