NanoString Spatial Data Analysis Service (sDAS)
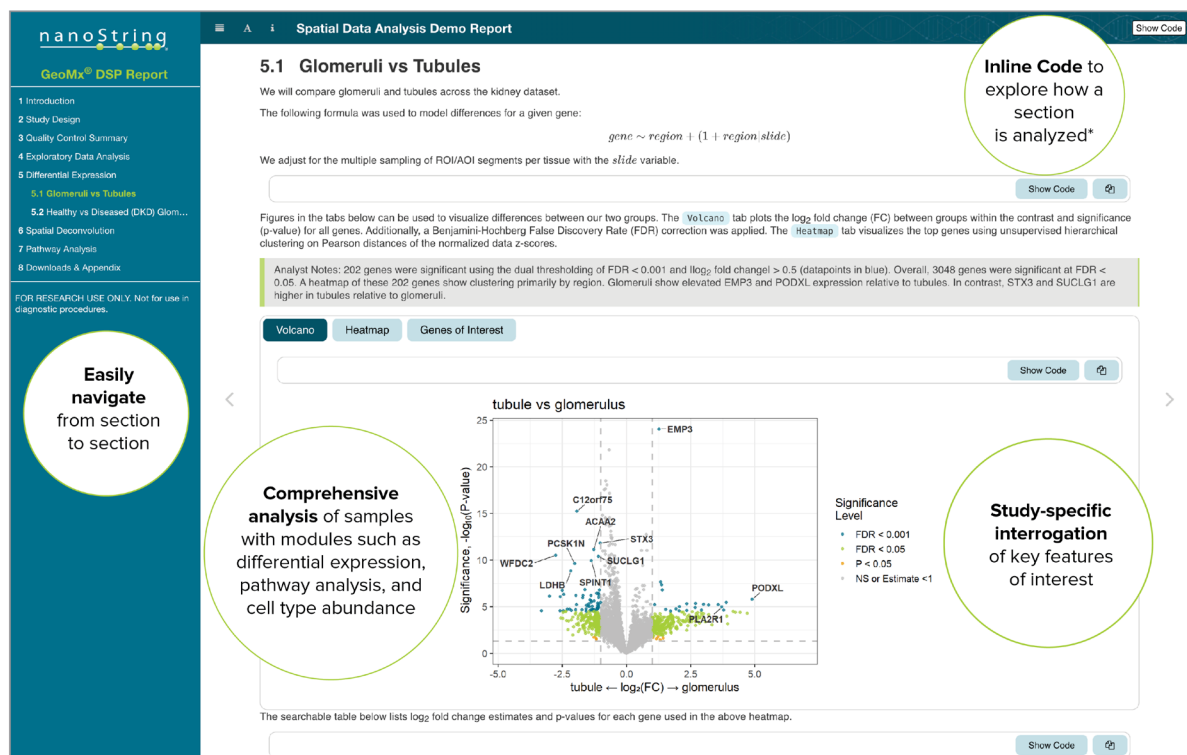
UNLOCK THE FULL POTENTIAL OF GEOMX® DSP SPATIAL DATA

Introduction

Introducing Spatial Data Analysis Service (sDAS), NanoString's data analysis service for spatial biology experiments run on the GeoMx DSP® with readout on the nCounter® Analysis System or Illumina sequencers. sDAS simplifies spatial informatics by providing end-to-end analysis and presentation-ready data visualizations to help researchers unlock the full potential of their GeoMx® spatial data.

sDAS enables scientists and researchers to go from spatial data to biological insights without the need for bioinformatics or programming experience. With sDAS, researchers can expect to reduce time needed to analyze and interpret data by leveraging NanoString's spatial bioinformatics expertise to go from data to insights faster.
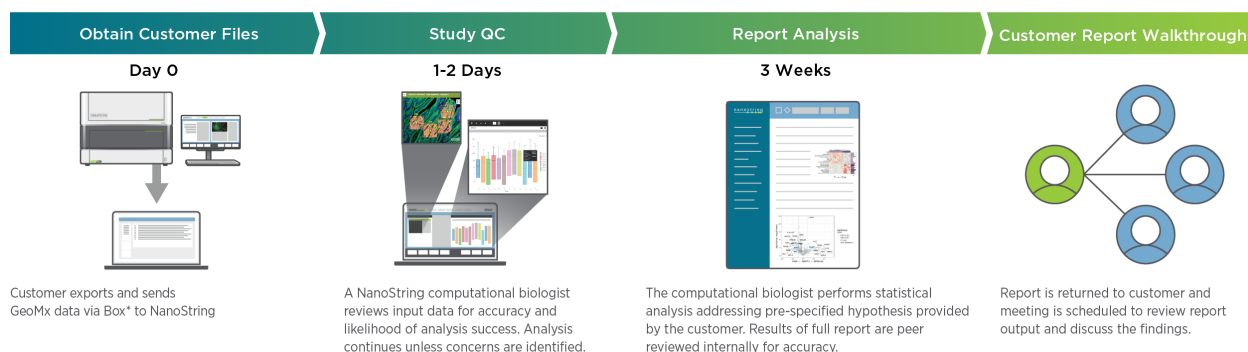
Product Highlights

FIGURE 1: Sample demo report. Full sample demo report can be accessed here on NanoString's website: sDAS Demo Report

*Feature unavailable in demo report

nanoString®

With sDAS, researchers can expect to work 1-on-1 with NanoString computational biologists specializing in spatial data analysis to help interpret the results of spatially-resolved RNA and Protein experiments from the GeoMx® DSP.

Obtain Customer Files	Study QC	Report Analysis	Customer Report Walkthrough
Day 0	**1-2 Days**	**3 Weeks**	

Customer exports and sends GeoMx data via Box* to NanoString

A NanoString computational biologist reviews input data for accuracy and likelihood of analysis success. Analysis continues unless concerns are identified.

The computational biologist performs statistical analysis addressing pre-specified hypothesis provided by the customer. Results of full report are peer reviewed internally for accuracy.

Report is returned to customer and meeting is scheduled to review report output and discuss the findings.

* Box is the default data-sharing method, but other methods shall be considered based on customer need. Additional fees may apply if infrastructure needs to be stood up or maintained. Reports available on Box for up to 1 year after analysis.

sDAS provides a comprehensive analysis of data collected by the GeoMx DSP including:

• End-to-end analysis including QC, Exploratory analysis, Differential expression, Cell Deconvolution and Gene Set & Pathway analysis

• Integration of custom cell deconvolution matrices, or gene sets & signatures*

• Fast turn-around data analysis supported by GeoMx specialists

• Validated pipeline for data analysis, including code returned in-line within the report and as downloadable files for reproducible analysis

• Includes a one-hour report out and consultation call with an expert analyst

* Signatures scoring shall be discussed at intake to determine if they fit into our Standard Report or require custom methods

TABLE 1: Summary of services offered

Service	Assays Supported	Analysis Tools Supported	Comparisons	Code Returned	Turn-around
Standard Report	NGS-RNA Readout (CTA, WTA)	• DSPDA • GeomxTools	4 + Additional comparisons at standard rate	Yes	2-3 weeks
Custom Report	All GeoMx Readouts	• DSPDA • GeomxTools • Custom Code & Algorithms	Per SOW*	Yes	Per SOW

* Statement of work

Learn more about sDAS by visiting our website or reaching out to your sales team