

# Package: shinyDSP (via r-universe)

May 15, 2026

**Title** A Shiny App For Visualizing Nanostring GeoMx DSP Data

**Version** 1.5.0

**Description** This package is a Shiny app for interactively analyzing and visualizing Nanostring GeoMX Whole Transcriptome Atlas data. Users have the option of exploring a sample data to explore this app's functionality. Regions of interest (ROIs) can be filtered based on any user-provided metadata. Upon taking two or more groups of interest, all pairwise and ANOVA-like testing are automatically performed. Available outputs include PCA, Volcano plots, tables and heatmaps. Aesthetics of each output are highly customizable.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.2

**Imports** AnnotationHub, BiocGenerics, bsicons, bslib, circlize, ComplexHeatmap, cowplot, dplyr, DT, edgeR, ExperimentHub, ggplot2, ggpubr, ggrepel, grDevices, grid, htmltools, limma, magrittr, pals, readr, S4Vectors, scales, scater, shiny, shinycssloaders, shinyjs, shinyvalidate, shinyWidgets, SingleCellExperiment, standR, stats, stringr, SummarizedExperiment, tibble, tidyr, utils, withr

**biocViews** DifferentialExpression, GeneExpression, ShinyApps, Spatial, Transcriptomics

**URL** <https://github.com/kimsjune/shinyDSP>, <http://joonkim.ca/shinyDSP/>

**BugReports** <https://github.com/kimsjune/shinyDSP/issues>

**Suggests** BiocStyle, knitr, rmarkdown, shinytest2, spelling, svglite, testthat (>= 3.0.0)

**Language** en-US

**Depends** R (>= 4.5)

**Config/testthat/edition** 3

**VignetteBuilder** knitr

**Config/pak/sysreqs**

```
libcairo2-dev cmake libfontconfig1-dev libfreetype6-dev libfribidi-dev make libharfbuzz-
dev libmagick++-dev gsfonts libbz2-dev libicu-dev libjpeg-dev liblzma-dev libpng-dev libtiff-
dev libuv1-dev libwebp-dev libxml2-dev libssl-dev perl libx11-dev xz-utils zlib1g-dev
```

**Repository** https://bioc.r-universe.dev

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**RemoteUrl** https://github.com/bioc/shinyDSP

**RemoteRef** HEAD

**RemoteSha** fed273cb7fb92f7c6aaf0549168741e9739f7fe0

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shinyDSP	<i>Creates the shiny app, ready to be loaded</i>
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### Description

Creates the shiny app, ready to be loaded

### Usage

```
shinyDSP()
```

### Value

A `shiny::shinyApp()` object

### Author(s)

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### Examples

```
library(shinyDSP)
app <- shinyDSP()
if (interactive()) {
  shiny::runApp(app)
}
```

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