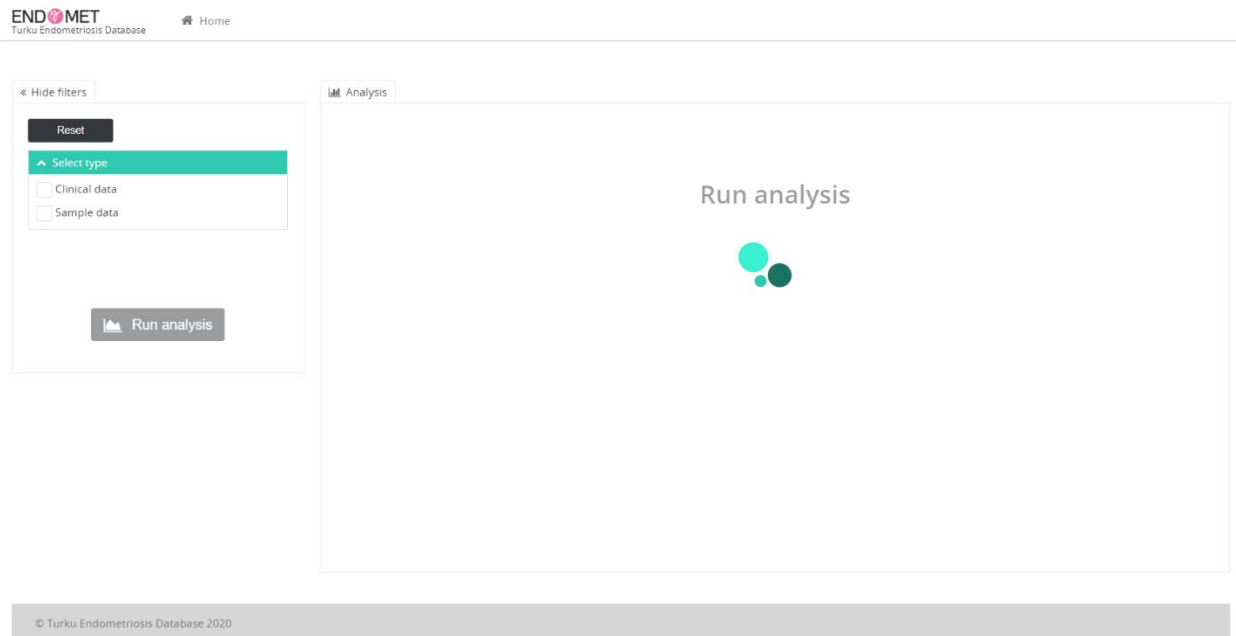Contents

Getting Started

- o User Interface
  EndometDB supports all internet enabled devices using a modern browser. It utilizes HTML5, JavaScript, PHP, and R as the main programming languages. The interactive visualization is implemented using the Plotly open source JavaScript graphing library.

  When the EndometDB opens, the interface features a window divided into panes: the filter control in the left pane, and a tabbed browser in the right pane.

- o Filter Control
  The left pane of the main window displays a filter control that allows users interact with the data in the EndometDB.

« Hide filters

Reset

▲ Select type
- ✔ Clinical data
- ✔ Sample data

▲ Clinical
- ✔ Age
- ✔ Cycle Phase & Hormonal Medication
- ✔ Disease stage
- › Sub-Age
- › Sub-Cycle Phase
- › Sub-Disease stage

▲ Subject class
- ✔ Patient
- ✔ Control

▲ Sample type
- ✔ Tissue

  ▲ Sub-tissues
  - ✔ Endometrium
  - ✔ Peritoneum
  - ✔ Lesions

  ▲ Lesions
  - › Peritoneal lesion
  - › Deep endometriosis lesion
  - › Ovarian lesion

▲ Modules
- ✔ Gene expressions *(from Tissues)*

▲ Gene symbols

HSD17B2 ✖

HSD17B2 ✖

Clear

▲ Statistics & Projections

Select plots   ▣ Box plot ▼

- ✔ Combine lesions
- ✔ Use log2-scale
- ✔ Show legend
- ☐ Display sample counts

📈 Run analysis

the nodes in the filter control can be expanded to access context menus by clicking in the check box. The filter control expands to display options that includes one or more of the following selections:

Option	Action
Clinical data	Click in check box to display clinical data menus that includes data such as age, cycle phase & hormonal medication use, and disease stage.
Age	Click in check box to display age categories
Cycle phase & Hormonal medication	Click in check box to display cycle phase and hormonal medication use
Disease Stage	Click in check box to display the different stages of disease
Sample data	Click in check box to display the subject class menus
Subject class	Click in check box to display the sample type menu
Sample type	Selected by defaults displays the tissues and the lesions
Tissue	Selected by default to display the different tissue types plus the lesion
Lesions	Selected by default under tissue menu displays the different lesion types
Modules	Click in check box to display the gene symbols menu with text box to enter gene interest or copy paste genes of interest.
Gene symbols	Entering gene of interest or copy pasting genes displays Statistics & Projections menu
Clear	Clear button clears all the genes in the text box
Statistics and Projections	Select plots from drop down menu to display different functions available
Run analysis	Run analysis button executes the
Reset	Resets all to default settings
Close	Closes current browser except for the default browser

o Tabbed Browser
The right pane of the EndometDB window feature a tab browser that displays plots and projections from gene or genes of interest with different selected options in the filter control in the left window. The plus sign (+) to the right of the browser appears when an initial plot is done. Use the plus sign (+) to add more tabs.