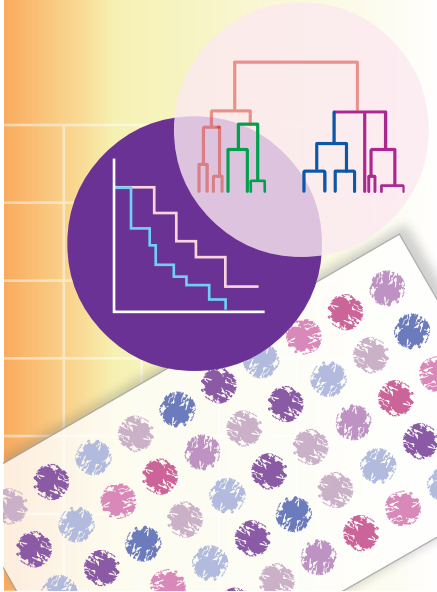


TMA Foresight

A statistical tool for tissue microarray data analysis



TMA Foresight is a tool designed to explore the relatedness of prognostic marker expression and clinico-pathological variates with the outcome. It identifies important prognostic markers that influence the outcome and identifies prognostically significant clusters of patients. Based on the data provided, it helps decide the risk group of a cohort. TMA Foresight uses well established statistical techniques to interpret the results of a TMA experiment, making it a useful tool for pathologists, clinicians and researchers.

Easy Data Preprocessing

TMA Foresight allows the data to be categorized, replaced or ignored from a single screen. It helps map character data to numeric values with a click of a button. Missing data can be easily filled up depending on the measurement level chosen, ensuring completeness of data for further analysis. You can then apply multivariate statistical techniques to identify prognostically significant markers and clinico-pathological parameters that have a significant impact on the outcome.

Map character data to numeric values with a click of a button

Define measurement level for a variable for data preprocessing

Replace missing values for biomarkers or clinico-pathological parameters to ensure completeness of data

Perform simple statistics such as mean, standard deviation to identify data abnormalities

Perform Cox Regression to identify prognostically significant markers and clinico-pathological parameters

Group patients into relatively homogeneous cohorts using Hierarchical Clustering

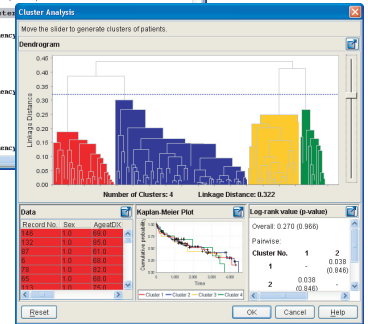
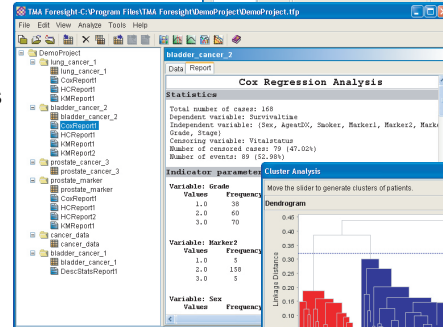
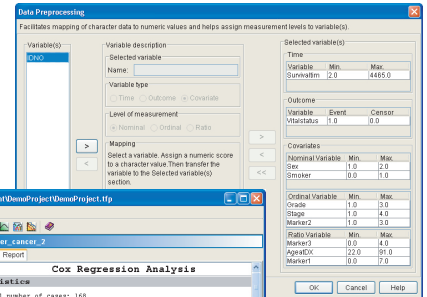
Partition the data based on a single variable and compare the survival functions by Kaplan Meier Plots

View interpretations for each analysis to draw valid conclusions

Easily organize your data and reports

Excellent graphical user interface with point-and-click functionality and annotated 2D plots

Export graphs, data and reports generated in various formats



Statistical Tests

TMA Foresight has the ability to rapidly perform various statistical tests such as Cox proportional hazard model to identify prognostic markers, Kaplan-Meier survival plots to visualize the survival/recurrence rate(s) for a cohort and Hierarchical Clustering to group patients into relatively homogeneous sub-groups based on a set of variables.

TMA Foresight has an excellent point-and-click wizards making it easy to use for beginners, while the versatile functionality offers full control for experts. For Hierarchical Clustering, TMA Foresight enables you to move the linkage bar over the dendrogram which updates the Kaplan Meier plot and results of the Log Rank test accordingly. This functionality helps in determining prognostically significant clusters and identifying high and low risk groups patients within a cohort. TMA Foresight also calculates the mean, standard deviation and displays the range of different parameters. The information helps in quick identification of any abnormalities within the data.

Project Management

TMA Foresight organizes your data so that you can easily access it. The reports and plots generated are linked to the data from which they are derived.

Activate the program following these steps:

- Install and launch TMA Foresight from the CD
- Click **Evaluate** on the first window that opens.
- Enter the evaluation key requested from us

Learn to use TMA Foresight

- TMA Foresight Multimedia Tutorial is included on the CD

Order on-line

- E-mail: sales@PremierBiosoft.com
- Fax: 650-618-1773, Phone: 650-856-2703

Other bioinformatics tools from PREMIER Biosoft International

AlleleID Array Designer Beacon Designer Primer Premier SimGlycan SimVector Xpression Primer