



GenEx comes in three packages: Standard, which has all features for basic analyses, Professional which also includes classification methods, and Enterprise, which has all functionalities including advanced expression profiling analyses. The features available in the three packages are indicated below.

|   | Standard | Professional | Enterprise |
|---|----------|--------------|------------|
| <b>Pre-processing of Data</b>                   |          |              |            |
| Interplate Calibration                          | ✓        | ✓            | ✓          |
| PCR Efficiency Correction                       | ✓        | ✓            | ✓          |
| Normalize to Sample Amount                      | ✓        | ✓            | ✓          |
| Normalize to Reference Genes/Samples            | ✓        | ✓            | ✓          |
| Normalize Technical Replicates (e.g. qPCR, RT)  | ✓        | ✓            | ✓          |
| Normalize to Spike                              | ✓        | ✓            | ✓          |
| Missing Data Handling & Primer-dimer Correction | ✓        | ✓            | ✓          |
| Relative Quantities & Fold Changes              | ✓        | ✓            | ✓          |
| <b>Finding Optimal Reference Genes</b>          |          |              |            |
| geNorm  | ✓        | ✓            | ✓          |
| NormFinder                                      | ✓        | ✓            | ✓          |
| <b>Plots</b>                                    |          |              |            |
| Scatter Plots                                   | ✓        | ✓            | ✓          |
| Line Plots                                      | ✓        | ✓            | ✓          |
| Bar Plot  | ✓        | ✓            | ✓          |
| Box and Whiskers Plot                           | ✓        | ✓            | ✓          |
| <b>Principal Component Analysis</b>             |          |              |            |
| PCA   |          | ✓            | ✓          |
| P-Curve   |          |              | ✓          |
| <b>Cluster Analysis</b>                         |          |              |            |
| Hierarchical Clustering/Dendrogram              | ✓        | ✓            | ✓          |
| Heatmap Analysis                                |          | ✓            | ✓          |
| <b>Networks</b>                                 |          |              |            |
| Selforganizing Map (SOM)                        |          | ✓            | ✓          |
| Artificial Neural Network (ANN)                 |          |              | ✓          |
| Support Vector Machine (SVM)                    |          |              | ✓          |
| <b>Regression Analysis</b>                      |          |              |            |
| Standard Curve                                  | ✓        | ✓            | ✓          |
| Reverse Calibration                             |          | ✓            | ✓          |
| Limit of Detection (LOD)                        |          | ✓            | ✓          |
| Partial Least Square (PLS)                      |          |              | ✓          |
| <b>3-way Analysis</b>                           |          |              |            |
| Trilinear Decomposition                         |          |              | ✓          |
| <b>Statistics</b>                               |          |              |            |
| Descriptive Statistics                          | ✓        | ✓            | ✓          |
| Parametric t-tests                              | ✓        | ✓            | ✓          |
| Non-parametric tests                            | ✓        | ✓            | ✓          |
| One-way ANOVA                                   | ✓        | ✓            | ✓          |
| Two-way ANOVA                                   |          | ✓            | ✓          |
| Nested ANOVA                                    |          | ✓            | ✓          |
| <b>Correlation</b>                              |          |              |            |
| Spearman Rank Correlation Coefficient           | ✓        | ✓            | ✓          |
| Pearson Correlation Coefficient                 | ✓        | ✓            | ✓          |
| <b>Experimental design</b>                      |          |              |            |
| Sample Size                                     |          | ✓            | ✓          |
| Experimental Design Optimization                |          |              | ✓          |