Root Results Directory

The root results directory is the designated output directory by AltAnalyze for a given workflow analysis. This contains all results files and may contain the input files as well (e.g., RNASeq .bed files, Affymetrix .cel files). Descriptions for all the below subdirectories are described in DirectoryDescription.pdf files in those directories or at: http://www.altanalyze.org/help_main.htm

Default Result Directories

This folder should ALWAYS contain the following directories:
- ExpressionInput
- ExpressionOutput
- GOElite

These directories and their sub-directories contain all primary results files, but do not include any alternative splicing results or image files. ExpressionInput contains the primary input expression files, sample to group associations, group comparisons and AltAnalyze normalized values (feature and gene-level). ExpressionOutput contains multiple subdirectories and the primary result file DATASET-YourExperiment.txt in the top-level folder. GOElite contains the input files used for over-representation analysis (ORA), denominator files and results files when ORA is selected.

Data Visualization Directories

When data visualization options are optionally included (available by default in the compiled versions of AltAnalyze) the additional image output folders may be present:
- DataPlots
- WikiPathways
- networks

As indicated by their names, these folders should contain image files corresponding to standard data plots (QC metrics, clustering), WikiPathway pathways or network image files.

Alternative Splicing Directories

When alternative exon and/or junction platforms are analyzed, alternative exon expression and result files will be saved to additional directories. These consist of:
- AltExpression
- AltResults

These directories contain all primary results generated for the Alternative Splicing analysis pipeline. The AltExpression directory contains gene-expression normalized feature expression files and feature expression values used for filtering for specific comparisons and complete datasets. The AltResults directory contains all complete dataset normalized expression values (e.g, Splicing-Index, ASPIRE), filtered comparison splicing results, file summaries and functional prediction enrichment files (domain and microRNA).