AltResults Directory Description

When performing alternative exon analyses on microarray or RNA-Seq datasets, all transcription normalized alternative exon results will be saved to this directory. In this directory structure, you will find predicted alternative exons and splicing-events/alternative promoters, isoform domain and microRNA binding site composition predictions as well as splicing scores for all analyzed features. Four subdirectories can be found in this directory:
1. AlternativeOutput
2. DomainGraph
3. RawSpliceData
4. ProcessedSpliceData

The AlternativeOutput directory contains all of the primary AltAnalyze alternative exon results for both group pair-wise comparisons and all possible group comparisons. Most users will wish to principally explore the files in this directory.

The DomainGraph directory contains Affymetrix Exon 1.0 ST array probesets to be input into the Cytoscape plugin DomainGraph (installed by default into the Cytoscape folder in the AltAnalyze program directory). This directory will only appear for mouse, human and rat analyses. If performing an analysis on data that is not from an Affymetrix Exon 1.0 array, the associated alternative exon IDs will be automatically translated to this platform for visualization in DomainGraph.

The RawSpliceData directory contains gene expression normalized exon/junction or reciprocal junction expression values for all analyzed exons/junctions or splicing events. These normalized expression values can be directly compared across samples among the different groups or used for independent visualization to examine global splicing differences within an exon. The files saved here are used for visualization by the AltExon Visualization function in AltAnalyze under "Additional Analyses".

The ProcessedSpliceData directory contains analogous files to those saved for DomainGraph but with no conversion to exon array identifiers.

More information on these file types can be found at:
http://www.altanalyze.org/help_main.htm