RGtk2Extras and DanteR: rapid GUI development for an "omics" R package

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Abstract: We describe two recently developed R packages. RGtk2Extras is based on the RGtk2 package and gWidgets and allows rapid development of GUI interfaces, dialogs and tables for existing R functions. Building on the tools developed in RGtk2Extras, the DanteR package gives researchers the ability to perform common tasks on data sets in bioinformatics, such as file import/export, rolling up peptide data into protein data, performing statistical tests, and producing graphs and plots. A number of algorithms for data mining, statistics and plotting are available.