

PROTEOPATHOGEN, A PROTEIN DATABASE TO STUDY HOST-PATHOGEN INTERACTION

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Proteopathogen is database that compiles proteomics data from experiments involving the interaction of pathogenic yeasts with immune system cells in the host. Particularly the stored data is retrieved from experiments related to the interaction of the opportunistic pathogenic fungus *Candida albicans* with murine macrophages and spans proteomics workflows from description of the experimental approaches leading to sample preparation to mass spectrometry settings and identification supporting peptides. Through its interface website, hosted by an Apache web server on a Unix platform, proteopathogen is easily queriable and the user can efficiently browse through all the stored data, improving therefore the quality of eventual analysis of mass spectrometry results. Queries can be performed by supplying one of the multiple accepted identifiers or free text, and possible results comprise gene ontology information, scientific literature references, different mass spectrometry settings and lists of peptides supporting the identification. As an add-on functionality, summary tables can be downloaded accordingly to the result. Access is public at <http://marbore.dacya.ucm.es/proteopathogen>.