

Disease Annotations

Gene Information for sodA

Gene Name:	sodA
Name Description:	SuperOxide Dismutase
Gene ID:	DDB_G0267420
Gene Product:	superoxide dismutase
Protein Name:	SOD
Description:	superoxide dismutase of the SOD1 family; expressed at constant levels throughout the life cycle and upregulated upon oxidative stress; enriched in prespore cells
Disease:	amyotrophic lateral sclerosis type 1 ; dictyBase 2017 ; H.s. ortholog: P00441

Disease Ortholog Annotations. *Dictyostelium* has a large number of direct human orthologs which have been linked to diseases. dictyBase curators have recently started annotating those *Dictyostelium* orthologs with the respective **Disease Ontology** (DO) term via the DO ID (e.g. [DOID:0060193](#) in the above example). The reference is a PubMed ID when researchers describe the protein relationship and mention the disease in a publication. Alternatively, curators inspect dictyBase ortholog mappings and after further analysis make the annotation, as shown in the example above. The human ortholog links to UniProt, where a summary of the disease and further informative links are available. The disease ontology will be housed in the database and thus will be subject to dictyBase searches. In addition all disease orthologs will be downloadable.