NeXO USER MANUAL

Navigation with OBO-Edit

The NeXO ontology can also be explored using designated ontology editors and browsers such as OBO-Edit (available from http://www.oboedit.org/) as shown in the below screenshot. For this purpose we have provided the file NeXO_x_x.obo which conforms to the Open Biological and Biomedical Ontology (OBO) format. Using OBO-Edit the NeXO ontology can be explored in three basic ways:

- Using the Ontology Tree Editor
- Using the Graph Editor
- By searching for keywords appearing in NeXO term annotations.

Terms in the NeXO.obo file are annotated with text labels transferred through alignment to GO. The label indicates matchings with score ≥ 0.1 to any one of the three GO ontologies: Cellular Component (CC), Biological Process (BP), and Molecular Function (MF). Additional information about the term such as its robustness score, interaction density, and alignment scores are provided in the Comment field.

Each term relationship is annotated with one of two types: "child_of" or "linked_to". The "X child_of Y" relationship indicates that X is a child of Y in the tree forming the backbone of the NeXO ontology. "X linked to Y" indicates that X was linked to Y by an additional edge in the NeXO DAG.