



HOMER: Ontology Alignment Visualization and Analysis



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Execute

- Execute algorithm step-by-step or automatically.
- In the *Execution* view, jump to any previously encountered state and take alternate decisions

Visualize

- The alignment-centric view displays subsets of the ontologies, while maximizing the amount of alignment information shown.
- Alignment edges are color coded by class and width-coded by score.
- Synchronized navigation keeps aligned items grouped.

Compare

- The *Comparative* view displays two independent executions side-by-side.
- The *Alignments* view emphasizes the progressive changes in alignments at each step.
- Visual aides quickly identify differences between the two independent executions.

Interact

- Add user-defined alignments and remove wrong alignments at each step.
- Control algorithm parameters independently in each view.