Resource Summary Report

Generated by RRID on Aug 5, 2026

Structure Superposition Database

RRID:SCR_005236
Type: Tool

Proper Citation

Structure Superposition Database (RRID:SCR_005236)

Resource Information

URL: http://ssd.rbvi.ucsf.edu/

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Description: The SSD has been developed to address the need for resources and tools for understanding large sets of superpositions in order to understand evolutionary relationships and to make predictions of function. We have therefore created the Structure Superposition Database (SSD) for accessing, viewing and understanding large sets of structure superposition data. It contains the results of pairwise, all-by-all superpositions of a representative set of 115 (beta/alpha) barrel structures (TIM barrels). The initial implementation of the SSD contains the results of pairwise, all-by-all superpositions of a representative set of 115 (/alpha)8 barrel structures (TIM barrels). Future plans call for extending the database to include representative structure superpositions for many additional folds. The SSD can be browsed with a user interface module developed as an extension to Chimera, an extensible molecular modeling program. Features of the user interface module facilitate viewing multiple superpositions together.

Synonyms: SSD

Resource Type: database, data or information resource

Keywords: alpha barrel structure, barrel structure, beta barrel structure, protein, quaternary structure, structure superposition

Resource Name: Structure Superposition Database

Resource ID: SCR_005236

Alternate IDs: nif-0000-03504

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260805T044119+0000

Ratings and Alerts

No rating or validation information has been found for Structure Superposition Database.

No alerts have been found for Structure Superposition Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Malik A, et al. (2007) Databases and QSAR for cancer research. Cancer informatics, 2, 99.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.