## **Resource Summary Report**

Generated by NIF on May 11, 2025

# SURFACE: Surface Residues and Functions Annotated, Compared and Evaluated

RRID:SCR\_007953

Type: Tool

## **Proper Citation**

SURFACE: Surface Residues and Functions Annotated, Compared and Evaluated (RRID:SCR 007953)

#### Resource Information

URL: http://cbm.bio.uniroma2.it/surface

**Proper Citation:** SURFACE: Surface Residues and Functions Annotated, Compared and Evaluated (RRID:SCR\_007953)

**Description:** A database containing the results of a large-scale protein annotation and local structural comparison project. A non-redundant set of protein chains is used to build a database of protein surface patches, defined as putative surface functional sites. Each patch is annotated with sequence and structure-derived information about function or interaction abilities. Users can search the annotations and the results of the surface patches comparisons stored in the DB based on PDB code, PROSITE pattern, or ligand. A new procedure for structure comparison is used to exert an all-versus-all patches comparison. Selection of the results obtained with stringent parameters offers a similarity score that can be used to associate different patches and may allow reliable annotation by similarity. protein, protein structure, structural comparison, protein ligand, protein surface, protein morphology

Synonyms: SURFACE

Resource Type: data or information resource, database

**Keywords:** protein, protein ligand, protein morphology, protein structure, protein surface, structural comparison

**Funding:** 

Resource Name: SURFACE: Surface Residues and Functions Annotated, Compared and

Evaluated

Resource ID: SCR\_007953

**Alternate IDs:** nif-0000-03518

**Record Creation Time:** 20220129T080244+0000

Record Last Update: 20250507T060536+0000

### Ratings and Alerts

No rating or validation information has been found for SURFACE: Surface Residues and Functions Annotated, Compared and Evaluated.

No alerts have been found for SURFACE: Surface Residues and Functions Annotated, Compared and Evaluated.

#### **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 NIF.

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

Merelli I, et al. (2005) High performance workflow implementation for protein surface characterization using grid technology. BMC bioinformatics, 6 Suppl 4(Suppl 4), S19.