

Resource Summary Report

Generated by [NIF](#) on May 6, 2025

3DSwap

RRID:SCR_004133

Type: Tool

Proper Citation

3DSwap (RRID:SCR_004133)

Resource Information

URL: <http://caps.ncbs.res.in/3dswap/index.html>

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Description: Curated knowledgbase of protein structures that are reported to be involved in 3-dimensional domain swapping. 3DSwap provides literature curated information and structure related information about 3D domain swapping in proteins. Information about swapping, hinge region, swapped region, extent of swapping, etc. are extracted from original research publications after extensive literature curation.

Synonyms: 3DSwap: Knowledgebase of 3D Domain Swapping in Proteins, 3DSwap - Knowledgebase of proteins involved in 3D domain swapping, 3D Swap, 3DSwap Database

Resource Type: database, data or information resource

Defining Citation: [PMID:21959866](#), [PMID:21592079](#)

Keywords: protein structure, protein, structure, 3d domain swapping, function, sequence, domain swap, 3d spatial image

Funding: Tata Institute of Fundamental Research; Mumbai; India ;
National Centre for Biological Sciences ;
Wellcome Trust

Resource Name: 3DSwap

Resource ID: SCR_004133

Alternate IDs: nlx_143564

Record Creation Time: 20220129T080222+0000

Record Last Update: 20250506T060447+0000

Ratings and Alerts

No rating or validation information has been found for 3DSwap.

No alerts have been found for 3DSwap.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#).

Michalska K, et al. (2020) 3D domain swapping in the TIM barrel of the ? subunit of Streptococcus pneumoniae tryptophan synthase. Acta crystallographica. Section D, Structural biology, 76(Pt 2), 166.

Hannon C, et al. (2018) Cloning, purification and structure determination of the HIV integrase-binding domain of lens epithelium-derived growth factor. Acta crystallographica. Section F, Structural biology communications, 74(Pt 3), 143.

Assar Z, et al. (2016) Domain-Swapped Dimers of Intracellular Lipid-Binding Proteins: Evidence for Ordered Folding Intermediates. Structure (London, England : 1993), 24(9), 1590.

Shingate P, et al. (2012) Analysis of domain-swapped oligomers reveals local sequence preferences and structural imprints at the linker regions and swapped interfaces. PloS one, 7(7), e39305.

Shameer K, et al. (2011) 3DSwap: curated knowledgebase of proteins involved in 3D domain swapping. Database : the journal of biological databases and curation, 2011, bar042.