

Resource Summary Report

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BPS- Database of RNA Base-pair Structures

RRID:SCR_007568

Type: Tool

Proper Citation

BPS- Database of RNA Base-pair Structures (RRID:SCR_007568)

Resource Information

URL: <http://bps.rutgers.edu>

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Description: BPS is a database of RNA base pairs with quantitative information on the spatial arrangements of interacting bases, including higher-order base associations, and the context of these interactions in high-resolution crystal structures. The structures are taken from the Nucleic Acid Database (NDB), and the base pairs are identified and characterized with the 3DNA software package. The interactions are classified in terms of residue identities, base-pair positioning, and hydrogen-bonding patterns and related to the structural context in which they occur. A user can browse the atlas of base-pair patterns and carry out searches for patterns of specific types or from specific structures.

Synonyms: BPS

Resource Type: database, data or information resource

Keywords: 3dna software, base pair position, hydrogen bonding pattern, residue identity, rna, rna base pairs, rna crystal structure, rna spatial arrangement, rna structure

Funding:

Resource Name: BPS- Database of RNA Base-pair Structures

Resource ID: SCR_007568

Alternate IDs: nif-0000-02619

Record Creation Time: 20220129T080242+0000

Record Last Update: 20250412T055201+0000

Ratings and Alerts

No rating or validation information has been found for BPS- Database of RNA Base-pair Structures.

No alerts have been found for BPS- Database of RNA Base-pair Structures.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.