

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 17, 2026

cpnDB: A Chaperonin Database

RRID:SCR_002263

Type: Tool

Proper Citation

cpnDB: A Chaperonin Database (RRID:SCR_002263)

Resource Information

URL: <https://cpndb.ca/>

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Description: A curated collection of chaperonin sequence data collected from public databases or generated by a network of collaborators exploiting the cpn60 target in clinical, phylogenetic and microbial ecology studies. The database contains all available sequences for both group I and group II chaperonins. Users can search the database by Chaperonin type, group (I or II), BLAST, or other options, and can also enter and analyze FASTA sequences.

Abbreviations: cpnDB

Resource Type: analysis service resource, data analysis service, data or information resource, database, production service resource, service resource

Defining Citation: [PMID:15289485](#)

Keywords: chaperonin sequence, microbial ecology, phylogenetics, chaperonin, plastid, mitochondria, cytoplasm, sequence, blast, fasta, bio.tools

Funding: Canadian Biotechnology Strategy ;
National Research Council Genomics and Health Initiative

Availability: Free, Freely available

Resource Name: cpnDB: A Chaperonin Database

Resource ID: SCR_002263

Alternate IDs: biotools:cpndb, OMICS_01511, nif-0000-02694

Alternate URLs: <https://bio.tools/cpndb>

Old URLs: <http://www.cpnadb.ca/cpnDB/home.php>

Record Creation Time: 20220129T080212+0000

Record Last Update: 20260912T200008+0000

Ratings and Alerts

No rating or validation information has been found for cpnDB: A Chaperonin Database.

No alerts have been found for cpnDB: A Chaperonin Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Zhang H, et al. (2026) Significant strain microdiversity in mother-infant dyad cohorts across ethnic groups reveals population specificity of bifidobacteria microbiota transmission. *Frontiers in microbiology*, 17, 1814222.

Pasternak JA, et al. (2015) Claudin-4 undergoes age-dependent change in cellular localization on pig jejunal villous epithelial cells, independent of bacterial colonization. *Mediators of inflammation*, 2015, 263629.

Das Roy R, et al. (2014) How do eubacterial organisms manage aggregation-prone proteome? *F1000Research*, 3, 137.

Baffoni L, et al. (2013) Identification of species belonging to the *Bifidobacterium* genus by PCR-RFLP analysis of a hsp60 gene fragment. *BMC microbiology*, 13, 149.