Resource Summary Report

Generated by dkNET on Aug 7, 2026

Zinc Finger Consortium Database

RRID:SCR_006082
Type: Tool

Proper Citation

Zinc Finger Consortium Database (RRID:SCR_006082)

Resource Information

URL: https://zifdb.msi.umn.edu:8444/ZiFDB/

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Description: ZiFDB is a database of zinc finger arrays and zinc finger proteins organized for use by molecular biologists. ZiFDB organizes information on both individual zinc finger modules and engineered ZFAs. There are currently four sets of zinc finger modules available: 1) Sangamo BioScience researchers have identified fingers recognizing all 5''-GNN-3'' and a few of 5''-ANN-3'', 5''-CNN-3'' and 5''-TNN-3'' triplets using phage display, targeted mutagenesis and SELECT methods (Liu et al., 2002); 2) the Barbas group constructed another set of models, which recognize all 5''-GNN-3'', most 5''-ANN-3'', 5''-CNN-3'' and a few 5''-TNN-3'' triplets (Dreier et al., 2001; Dreier et al., 2005; Dreier et al., 2000;); 3) Toolgen, Inc. isolated a set of naturally-occurring zinc finger modules from human transcription factors (Bae et al., 2003); 4) the Joung lab has made a large number of ZFAs by OPEN, and the constituent zinc fingers are included in the database. For the engineered ZFAs, we have collected information on 3-finger ZFAs, since this is the architecture advocated by the Zinc Finger Consortium (http://www.zincfingers.org), a group of academic laboratories dedicated to the development of improved methods to engineer zinc finger proteins. Currently, all ZFAs in ZiFDB are described in the published literature. In the future, unpublished ZFAs will also be included. It is hoped that the information in this database will help molecular biologists develop zinc finger reagents that meet their needs for genome modification. Further, we hope the analysis of the collected information will aid in improving modular design.

Synonyms: ZiFDB

Resource Type: database, data or information resource

Resource Name: Zinc Finger Consortium Database

Resource ID: SCR_006082

Alternate IDs: nif-0000-03657

Old URLs: http://bindr.gdcb.iastate.edu:8080/ZiFDB/

Record Creation Time: 20220129T080234+0000

Record Last Update: 20260807T042632+0000

Ratings and Alerts

No rating or validation information has been found for Zinc Finger Consortium Database.

No alerts have been found for Zinc Finger Consortium Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Hussein D, et al. (2023) In silico drug repurposing using molecular docking and dynamics to target the protein interaction between the SARS-CoV-2 S-glycoprotein and the ACE2 receptor. F1000Research, 12, 1452.