

Resource Summary Report

Generated by T1D on Sep 5, 2026

IndelFR - Indel Flanking Region Database

RRID:SCR_006050

Type: Tool

Proper Citation

IndelFR - Indel Flanking Region Database (RRID:SCR_006050)

Resource Information

URL: <http://indel.bioinfo.sdu.edu.cn/gridsphere/gridsphere>

Proper Citation: IndelFR - Indel Flanking Region Database (RRID:SCR_006050)

Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented September 2, 2016. Indel Flanking Region Database is an online resource for indels and the flanking regions of proteins in SCOP superfamilies, including amino acid sequences, lengths, locations, secondary structure constitutions, hydrophilicity / hydrophobicity, domain information, 3D structures and so on. It aims at providing a comprehensive dataset for analyzing the qualities of amino acid insertion/deletions(indels), substitutions and the relationship between them. The indels were obtained through the pairwise alignment of homologous structures in SCOP superfamilies. The IndelFR database contains 2,925,017 indels with flanking regions extracted from 373,402 structural alignment pairs of 12,573 non-redundant domains from 1053 superfamilies. IndelFR has already been used for molecular evolution studies and may help to promote future functional studies of indels and their flanking regions.

Abbreviations: IndelFR

Synonyms: IndelFR: Indel Flanking Region Database, Indel Flanking Region Database

Resource Type: data or information resource, database

Defining Citation: [PMID:22127860](#)

Keywords: indel, flanking region, protein, structural domain, domain, protein superfamily, protein structure, insertion/deletion, insertion, deletion, protein sequence, sequence, structure, protein domain, bio.tools

Funding: Independent Innovation Foundation of Shandong University 2009JC006;
National Natural Science Foundation of China 30970092;
National Natural Science Foundation of China 61070017;
Scientific Research Reward Fund for excellent Young and Middle-Aged scientists in

Shandong Province 20090451326

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: IndelFR - Indel Flanking Region Database

Resource ID: SCR_006050

Alternate IDs: biotools:indelfr, nlx_151448

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

Record Creation Time: 20220129T080234+0000

Record Last Update: 20260904T000206+0000

Ratings and Alerts

No rating or validation information has been found for IndelFR - Indel Flanking Region Database.

No alerts have been found for IndelFR - Indel Flanking Region Database.

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 [T1D](#).

Ranghini EJ, et al. (2015) Evidence for intermediate mesoderm and kidney progenitor cell specification by Pax2 and PTIP dependent mechanisms. Developmental biology, 399(2), 296.

Al-Shatnawi M, et al. (2015) MSAIndelFR: a scheme for multiple protein sequence alignment using information on indel flanking regions. BMC bioinformatics, 16, 393.