

# Resource Summary Report

Generated by [NIF](#) on Apr 30, 2025

## 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:** database, data or information resource

**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:** 20250430T055413+0000

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## 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

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.