

# Resource Summary Report

Generated by SPARC SAWG on Jul 31, 2026

## Family Pairwise Search - Protein Family Classification

RRID:SCR\_007202

Type: Tool

### Proper Citation

Family Pairwise Search - Protein Family Classification (RRID:SCR\_007202)

### Resource Information

**URL:** <http://fps.sdsc.edu/>

**Proper Citation:** Family Pairwise Search - Protein Family Classification (RRID:SCR\_007202)

**Description:** Family Pairwise Search (FPS) is a protein homology detection algorithm that combines sequence similarity scores from a pairwise alignment algorithm such as Smith-Waterman or BLAST. Source code and a web server are available. This is a method for scoring a query sequence against a family of sequences. (Note: the query sequence may alternatively be a sequence, a GCG profile or a BLAST checkpoint file.) FPS compares the query sequence individually (pairwise) to each sequence in the family and then combines the pairwise scores into an overall score for the match. This site provides access to \* a web server to allow you to use FPS to search various protein family libraries for matches to a protein sequence, \* an overview of the FPS algorithm, \* a description of the inputs and outputs for the FPS server, \* a sample output from the FPS server, and \* a release notes for FPS, and \* links to several papers about FPS, and \* the FPS source code for non-commercial use. \* COPYRIGHT information and how to license FPS for commercial use is described here.

**Abbreviations:** FPS

**Synonyms:** Family Pairwise Search

**Resource Type:** software resource, service resource, source code

**Funding:** National Biomedical Computation Resource

**Resource Name:** Family Pairwise Search - Protein Family Classification

**Resource ID:** SCR\_007202

**Alternate IDs:** nlx\_20019

**Record Creation Time:** 20220129T080240+0000

**Record Last Update:** 20260731T042736+0000

---

## Ratings and Alerts

No rating or validation information has been found for Family Pairwise Search - Protein Family Classification.

No alerts have been found for Family Pairwise Search - Protein Family Classification.

---

## 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 [SPARC SAWG](#) .

Walsh TP, et al. (2008) SCANPS: a web server for iterative protein sequence database searching by dynamic programming, with display in a hierarchical SCOP browser. Nucleic acids research, 36(Web Server issue), W25.

Kapitonov VV, et al. (2003) The esterase and PHD domains in CR1-like non-LTR retrotransposons. Molecular biology and evolution, 20(1), 38.