Resource Summary Report

Generated by NIF on Sep 16, 2026

LPFC: A Library of Protein Family Cores

RRID:SCR_007765
Type: Tool

Proper Citation

LPFC: A Library of Protein Family Cores (RRID:SCR_007765)

Resource Information

URL: http://helix-web.stanford.edu/LPFC/

Proper Citation: LPFC: A Library of Protein Family Cores (RRID:SCR_007765)

Description: LPFC is a database of structural alignments of protein families and computed average core structures for each family. The core structures can be divided into residues with low spatial variation and those with high spatial variation. Amino acids with low spatial variance occupy essentially the same relative position in all family members. This library is useful for building models, threading, and exploratory analysis. It is also a useful mechanism for summarizing variability in NMR structures., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: LPFC

Resource Type: data or information resource, database

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: LPFC: A Library of Protein Family Cores

Resource ID: SCR_007765

Alternate IDs: nif-0000-03089

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260912T200152+0000

Ratings and Alerts

No rating or validation information has been found for LPFC: A Library of Protein Family Cores.

No alerts have been found for LPFC: A Library of Protein Family Cores.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Gemmerich R, et al. (2025) The application of fNIRS in studies on occupational workload: a systematic review. Frontiers in public health, 13, 1560605.

Zhang J, et al. (2024) Distinct visual processing networks for foveal and peripheral visual fields. Communications biology, 7(1), 1259.

Liu Q, et al. (2024) Midbrain signaling of identity prediction errors depends on orbitofrontal cortex networks. Nature communications, 15(1), 1704.

H??kkinen S, et al. (2024) Lateral frontoparietal functional connectivity based on individual sulcal morphology. bioRxiv : the preprint server for biology.

Barghi N, et al. (2023) A high throughput method for egg size measurement in Drosophila. Scientific reports, 13(1), 3791.

Sakib MN, et al. (2023) Bidirectional Associations Between Adiposity and Cognitive Function and Mediation by Brain Morphology in the ABCD Study. JAMA network open, 6(2), e2255631.

Willbrand EH, et al. (2023) Cognitive relevance of an evolutionarily new and variable prefrontal structure. bioRxiv : the preprint server for biology.

Medalla M, et al. (2023) Comparative Features of Calretinin, Calbindin and Parvalbumin Expressing Interneurons in Mouse and Monkey Primary Visual and Frontal Cortices. bioRxiv : the preprint server for biology.

Abdallah M, et al. (2022) Functional gradients in the human lateral prefrontal cortex revealed by a comprehensive coordinate-based meta-analysis. eLife, 11.

Jung K, et al. (2021) Response of multiple demand network to visual search demands. NeuroImage, 229, 117755.

Voorhies WI, et al. (2021) Cognitive insights from tertiary sulci in prefrontal cortex. Nature communications, 12(1), 5122.

Morales A, et al. (2020) A high throughput method for quantifying number and size distribution of Arabidopsis seeds using large particle flow cytometry. Plant methods, 16, 27.

Nord CL, et al. (2019) The effect of frontoparietal paired associative stimulation on decision-making and working memory. Cortex; a journal devoted to the study of the nervous system and behavior, 117, 266.

Willinger D, et al. (2019) Valence-Dependent Coupling of Prefrontal-Amygdala Effective Connectivity during Facial Affect Processing. eNeuro, 6(4).

Moriarty T, et al. (2019) Exercise Intensity Influences Prefrontal Cortex Oxygenation during Cognitive Testing. Behavioral sciences (Basel, Switzerland), 9(8).

Zikopoulos B, et al. (2018) Parallel trends in cortical gray and white matter architecture and connections in primates allow fine study of pathways in humans and reveal network disruptions in autism. PLoS biology, 16(2), e2004559.

Crockett MJ, et al. (2017) Moral transgressions corrupt neural representations of value. Nature neuroscience, 20(6), 879.

Sacchet MD, et al. (2017) Myelination of the brain in Major Depressive Disorder: An in vivo quantitative magnetic resonance imaging study. Scientific reports, 7(1), 2200.

Leitner JB, et al. (2017) Self-distancing improves interpersonal perceptions and behavior by decreasing medial prefrontal cortex activity during the provision of criticism. Social cognitive and affective neuroscience, 12(4), 534.

Stoll FM, et al. (2016) Specific frontal neural dynamics contribute to decisions to check. Nature communications, 7, 11990.