Resource Summary Report

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Ligand-Gated Ion Channel Database

RRID:SCR_002418
Type: Tool

Proper Citation

Ligand-Gated Ion Channel Database (RRID:SCR_002418)

Resource Information

URL: http://www.ebi.ac.uk/compneur-srv/LGICdb/

Proper Citation: Ligand-Gated Ion Channel Database (RRID:SCR_002418)

Description: Database providing access to information about transmembrane proteins that exist under different conformations, with three primary subfamilies: the cys-loop superfamily, the ATP gated channels superfamily, and the glutamate activated cationic channels superfamily. Due to the lack of evolutionary relationship, these three superfamilies are treated separately. It currently contains 554 entries of ligand-activated ion channel subunits. In this database one may find: the nucleic and proteic sequences of the subunits. Multiple sequence alignments can be generated, and some phylogenetic studies of the superfamilies are provided. Additionally, the atomic coordinates of subunits, or portion of subunits, are provided when available. Redundancy is kept to a minimum, i.e. one entry per gene. Each entry in the database has been manually constructed and checked by a researcher of the field in order to reduce the inaccuracies to a minimum. NOTE: This database is not actively maintained anymore. People should not consider it as an up-to-date trustable resource. For any new work, they should consider using alternative sources, such as UniProt, Ensembl, Protein Databank etc.

Abbreviations: LGICdb

Synonyms: LGIC Database

Resource Type: database, data or information resource

Defining Citation: PMID:16381861, PMID:11125117

Keywords: equilibrium, extracellular, gabaa, gated, gene, genetics, 3d model, alignment, anionic, atomic, atp, cationic, cellular, molecular, channel, compartment, computation,

conformation, coordinate, cys-loop, glutamate, glycine, histamine, homologous, ion, ion channel, ligand, membrane, nicotinic, nucleic acid, phylogenetic, pore, portion, proteic, nucleic acid, protein, phylogeny, receptor, segment, sequence, sequence data, serotonin, subunit, superfamily, transmembrane

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Resource Name: Ligand-Gated Ion Channel Database

Resource ID: SCR_002418

Alternate IDs: nif-0000-00037

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250430T055142+0000

Ratings and Alerts

No rating or validation information has been found for Ligand-Gated Ion Channel Database.

No alerts have been found for Ligand-Gated Ion Channel 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 FDI Lab - SciCrunch.org.

Wang S, et al. (2016) Comparative genomics reveals adaptive evolution of Asian tapeworm in switching to a new intermediate host. Nature communications, 7, 12845.