

Resource Summary Report

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SitEx

RRID:SCR_006122

Type: Tool

Proper Citation

SitEx (RRID:SCR_006122)

Resource Information

URL: <http://www-bionet.sccc.ru/sitex/>

Proper Citation: SitEx (RRID:SCR_006122)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on August 19,2019. Analyzing protein structure projection on exon-intron structure of corresponding gene through years led to several fundamental conclusions about structural and functional organization of the protein. According to these results we decided to map the protein functional sites. So we created the database SitEx that keep the information about this mapping and included the BLAST search and 3D similar structure search using PDB3DScan for the polypeptide encoded by one exon, participating in organizing the functional site. This will help: # to study the positions of the functional sites in exon structure; # to make the complex analysis of the protein function; # to exposure the exons that took part in exon shuffling and came from bacterial genomes; # to study the peculiarities of coding the polypeptide structures. Currently, SitEx contains information about 9994 functional sites presented in 2021 proteins described in proteomes of 17 organisms.

Abbreviations: SitEx

Synonyms: SitEx Database

Resource Type: analysis service resource, data analysis service, data or information resource, database, production service resource, service resource

Defining Citation: [PMID:22139920](#)

Keywords: projection, protein, functional site, exon, blast, structure, function, gene, amino acid, encoding gene, proteome, ligand, data set, bio.tools

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Availability: THIS RESOURCE IS NO LONGER IN SERVICE.

Resource Name: SitEx

Resource ID: SCR_006122

Alternate IDs: biotools:sitex, nlx_151602

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

Record Creation Time: 20220129T080234+0000

Record Last Update: 20260905T132547+0000

Ratings and Alerts

No rating or validation information has been found for SitEx.

No alerts have been found for SitEx.

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 [Kravitz](#) .

Medvedeva IV, et al. (2015) Computer analysis of protein functional sites projection on exon structure of genes in Metazoa. BMC genomics, 16 Suppl 13(Suppl 13), S2.