## **Resource Summary Report**

Generated by RRID on Apr 28, 2025

# **SitEx**

RRID:SCR\_006122

Type: Tool

## **Proper Citation**

SitEx (RRID:SCR\_006122)

#### Resource Information

URL: http://www-bionet.sscc.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:** production service resource, data analysis service, service resource,

analysis service resource, database, data or information 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

Funding: Ministry of Science and Education 14.740.11.0001;

Ministry of Science and Education 07.514.11.4003;

Interdisciplinary Integrative Project 35 of SB RAS;

Russian Foundation for Basic Research 11-04-92712;

EU-FP7 260429;

Program of RAS;

DAAD Leonard Euler Program Grant

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:** 20250428T053214+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 RRID.

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.