

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

eF-site - Electrostatic surface of Functional site

RRID:SCR_012939

Type: Tool

Proper Citation

eF-site - Electrostatic surface of Functional site (RRID:SCR_012939)

Resource Information

URL: <http://ef-site.hgc.jp/eF-site/index.jsp>

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Description: It is a database for molecular surfaces of proteins' functional sites. It displays the electrostatic potentials and hydrophobic properties together on the Connolly surfaces of the active sites, for analysis of the molecular recognition mechanisms. The Connolly surfaces were made by using the MSP program and the electrostatic potentials were calculated by solving Poisson-Boltzmann equations with the self-consistent boundary method.

Synonyms: eF-site

Resource Type: data or information resource, database

Keywords: electrostatic potential, connolly surface, molecular surface of protein, protein functional site, protein hydrophobic interaction, protein surface

Resource Name: eF-site - Electrostatic surface of Functional site

Resource ID: SCR_012939

Alternate IDs: nif-0000-02788

Old URLs: <http://ef-site.protein.osaka-u.ac.jp/eF-site>

Record Creation Time: 20220129T080313+0000

Record Last Update: 20260905T133203+0000

Ratings and Alerts

No rating or validation information has been found for eF-site - Electrostatic surface of Functional site.

No alerts have been found for eF-site - Electrostatic surface of Functional site.

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](#) .

Wang Y, et al. (2010) Mechanism of microRNA-target interaction: molecular dynamics simulations and thermodynamics analysis. PLoS computational biology, 6(7), e1000866.