

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

## eF-site - Electrostatic surface of Functional site

RRID:SCR\_012939

Type: Tool

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### Proper Citation

eF-site - Electrostatic surface of Functional site (RRID:SCR\_012939)

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### Resource Information

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

**Proper Citation:** eF-site - Electrostatic surface of Functional site (RRID:SCR\_012939)

**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:** database, data or information resource

**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:** 20260725T191203+0000

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### 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

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