

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

Molecular Toolkit

RRID:SCR_007068

Type: Tool

Proper Citation

Molecular Toolkit (RRID:SCR_007068)

Resource Information

URL: <http://www.vivo.colostate.edu/molkit/index.html>

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Description: The Molecular Toolkit is a group of programs for analysis and manipulation of nucleic acid and protein sequence data. The programs are written in Java (1.0) and require that your browser support this language. Also, it's best if your monitor supports a screen resolution of at least 800x600. Nucleic Acid Analysis and Manipulation Programs: *Dot Plots - Examine the similarity of two DNA (or RNA) sequences by production of a similarity matrix displayed as a dot plot. *Manipulate and Display Sequences - Perform simple manipulations on a DNA sequence (inverse, complement, inverse-complement, double-stranded etc). *Restriction Maps - Generate graphical and text-based maps for restriction endonuclease cleavage of DNA. *Translate - Translate a DNA or RNA sequence and obtain graphical and text depictions of the resulting protein sequences. Protein Analysis Programs *Reverse Translate - Reverse translate a protein sequence into DNA. *Protein Composition - Obtain the amino acid composition of a protein. *Hydrophobicity Plots - Plot hydrophobic and hydrophilic domains of a protein.

Resource Type: software resource, software toolkit

Resource Name: Molecular Toolkit

Resource ID: SCR_007068

Alternate IDs: nif-0000-07748

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260912T200236+0000

Ratings and Alerts

No rating or validation information has been found for Molecular Toolkit.

No alerts have been found for Molecular Toolkit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Olukemi Adesiji Y, et al. (2017) Molecular characterization of antimicrobial multi-drug resistance in non-typhoidal Salmonellae from chicken and clam in Mangalore, India. Journal of biomedical research, 32(3), 237.

Rai P, et al. (2011) Complete nucleic acid sequence of Penaeus stylirostris densovirus (PstDNV) from India. Virus research, 158(1-2), 37.

Safeena MP, et al. (2010) Complete nucleic acid sequence of Penaeus monodon densovirus (PmDNV) from India. Virus research, 150(1-2), 1.