

Resource Summary Report

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Transeq

RRID:SCR_015647

Type: Tool

Proper Citation

Transeq (RRID:SCR_015647)

Resource Information

URL: http://www.ebi.ac.uk/Tools/st/emboss_transeq/

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Description: Software that translates nucleic acid sequences to their corresponding peptide sequences. It can translate to the three forward and three reverse frames, and output multiple frame translations at once.

Synonyms: EMBOSS Transeq

Resource Type: software resource, web application

Defining Citation: [PMID:10827456](#)

Keywords: peptide sequence, frame translation, nucleic acid, protein identification

Availability: Freely Available, Available for download

Resource Name: Transeq

Resource ID: SCR_015647

Alternate URLs: <http://emboss.sourceforge.net/apps/cvs/emboss/apps/transeq.html>

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260804T043603+0000

Ratings and Alerts

No rating or validation information has been found for Transeq.

No alerts have been found for Transeq.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 189 mentions in open access literature.

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

Barrera-Duarte CC, et al. (2026) Regulatory network rewiring drives strain-specific lipid accumulation response in *Chlorella sorokiniana* under nutrient starvation. *The Plant journal : for cell and molecular biology*, 125(1), e70644.

Duan C, et al. (2025) FGeneBERT: function-driven pre-trained gene language model for metagenomics. *Briefings in bioinformatics*, 26(2).

Lei Y, et al. (2025) Deciphering functional landscapes of rumen microbiota unveils the role of *Prevotella bryantii* in milk fat synthesis in goats. *Genome biology*, 26(1), 311.

Lu W, et al. (2025) Metagenomic sequencing reveals the taxonomic and functional characteristics of rumen microorganisms in Dongliu buffalo. *Scientific reports*, 15(1), 18398.

Chatterjee R, et al. (2025) Sensitizing Immune-Refractory Ovarian Tumors via p53 Mutation-Tailored Immunotherapy. *bioRxiv : the preprint server for biology*.

Duan C, et al. (2025) FGeneBERT: function-driven pre-trained gene language model for metagenomics. *Briefings in bioinformatics*, 26(6).

Song B, et al. (2025) Prokaryotic cellulase gene clusters derived from 2,305 metagenomes. *Scientific data*, 12(1), 218.

Gomaa F, et al. (2025) Array of metabolic pathways in a kleptoplastidic foraminiferan protist supports chemoautotrophy in dark, euxinic seafloor sediments. *The ISME journal*, 19(1).

Wang L, et al. (2024) A novel esterase regulates *Klebsiella pneumoniae* hypermucoviscosity and virulence. *PLoS pathogens*, 20(10), e1012675.

Isla A, et al. (2024) Advancements in rapid diagnostics and genotyping of *Piscirickettsia salmonis* using Loop-mediated Isothermal Amplification. *Frontiers in microbiology*, 15, 1392808.

Zhao H, et al. (2024) Transcriptomics and metabolomics of blood, urine and ovarian follicular fluid of yak at induced estrus stage. *BMC genomics*, 25(1), 201.

Santos LGC, et al. (2024) SpliceProt 2.0: A Sequence Repository of Human, Mouse, and Rat Proteoforms. *International journal of molecular sciences*, 25(2).

Shao J, et al. (2024) AGRAMP: machine learning models for predicting antimicrobial peptides against phytopathogenic bacteria. *Frontiers in microbiology*, 15, 1304044.

Montfort J, et al. (2024) FEVER: an interactive web-based resource for evolutionary transcriptomics across fishes. *Nucleic acids research*, 52(W1), W65.

Gomathinayagam S, et al. (2024) Millennial-scale microbiome analysis reveals ancient antimicrobial resistance conserved despite modern selection pressures. *Environmental microbiome*, 19(1), 110.

Tripathi S, et al. (2023) Defining the condensate landscape of fusion oncoproteins. *Nature communications*, 14(1), 6008.

Šimoliūnas E, et al. (2023) *Geobacillus* Bacteriophages from Compost Heaps: Representatives of Three New Genera within Thermophilic Siphoviruses. *Viruses*, 15(8).

Adeyinka OS, et al. (2023) Host-induced silencing of the CpCHI gene resulted in developmental abnormalities and mortality in maize stem borer (*Chilo partellus*). *PloS one*, 18(2), e0280963.

Narunsky A, et al. (2023) A conserved uORF in the *ilvBNC* mRNA of *Corynebacterium* species regulates *ilv* operon expression. *Microbial genomics*, 9(5).

Shawer E, et al. (2023) Characterization of cyanobacterial isolates from freshwater and saline subtropical desert lakes. *Folia microbiologica*, 68(3), 403.