

Resource Summary Report

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TaxSOM

RRID:SCR_004669

Type: Tool

Proper Citation

TaxSOM (RRID:SCR_004669)

Resource Information

URL: <http://soma.arb-silva.de/>

Proper Citation: TaxSOM (RRID:SCR_004669)

Description: A tool for taxonomic classification of DNA fragments, as they are typically obtained in metagenome projects. The classification is based on taxon-specific DNA base composition characteristics (genomic signatures). Classification of query sequences is achieved by mapping the query sequences to the genomic signatures of sequences with known taxonomic affiliations. The mapping is done via the Self-Organizing Map (SOM) algorithm. TaxSOM offers two modes of operation: * mapping query sequences to a pre-calculated SOM * mapping query sequences to a custom SOM

Abbreviations: TaxSOM

Resource Type: production service resource, service resource, analysis service resource, data analysis service

Defining Citation: [PMID:21160538](https://pubmed.ncbi.nlm.nih.gov/21160538/)

Keywords: metagenome, taxonomic classification, dna fragment, taxonomy, next generation sequencing

Funding:

Availability: Free, Public, Acknowledgement requested, Account required

Resource Name: TaxSOM

Resource ID: SCR_004669

Alternate IDs: OMICS_01468

Record Creation Time: 20220129T080225+0000

Record Last Update: 20250412T054917+0000

Ratings and Alerts

No rating or validation information has been found for TaxSOM.

No alerts have been found for TaxSOM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.