

Resource Summary Report

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The Diatom EST Database

RRID:SCR_007090

Type: Tool

Proper Citation

The Diatom EST Database (RRID:SCR_007090)

Resource Information

URL: <http://www.biologie.ens.fr/diatomics/EST3>

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Description: A searchable databases of diatom ESTs (expressed sequence tags) that can be used to explore diatom biology. Research has generated approximately 90,000 ESTs from *P. tricornutum* cells grown in a range of conditions. Here we present a database of these sequences, that can be used for digital gene expression studies to explore this organisms responses to a range of environmental conditions. Such studies should provide a foundation for interpreting the ecological success of diatoms.

Synonyms: The Diatom EST Database

Resource Type: data or information resource, database

Keywords: est, expressed sequence tag, diatom

Resource Name: The Diatom EST Database

Resource ID: SCR_007090

Alternate IDs: nif-0000-02750

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260811T043301+0000

Ratings and Alerts

No rating or validation information has been found for The Diatom EST Database.

No alerts have been found for The Diatom EST Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Norden-Krichmar TM, et al. (2011) Characterization of the small RNA transcriptome of the diatom, *Thalassiosira pseudonana*. PloS one, 6(8), e22870.

Huysman MJ, et al. (2010) Genome-wide analysis of the diatom cell cycle unveils a novel type of cyclins involved in environmental signaling. Genome biology, 11(2), R17.

De Riso V, et al. (2009) Gene silencing in the marine diatom *Phaeodactylum tricornutum*. Nucleic acids research, 37(14), e96.

Coesel S, et al. (2009) Diatom PtCPF1 is a new cryptochrome/photolyase family member with DNA repair and transcription regulation activity. EMBO reports, 10(6), 655.

Vardi A, et al. (2008) Diatom genomes come of age. Genome biology, 9(12), 245.

Vardi A, et al. (2008) A diatom gene regulating nitric-oxide signaling and susceptibility to diatom-derived aldehydes. Current biology : CB, 18(12), 895.