

The *Phaeodactylum* genome reveals the evolutionary history

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Genes in the glass house. Nature, 2008, 456, 179-181.	27.8	1
2	Genomic Insights into Marine Microalgae. Annual Review of Genetics, 2008, 42, 619-645.	7.6	145
3	Diatom genomes come of age. Genome Biology, 2008, 9, 245.	9.6	25
4	Physiological and Transcriptomic Evidence for a Close Coupling between Chloroplast Ontogeny and Cell Cycle Progression in the Pennate Diatom <i>Seminais robusta</i> . Plant Physiology, 2008, 148, 1394-1411.	4.8	65
5	A Fast Na ⁺ /Ca ²⁺ -Based Action Potential in a Marine Diatom. PLoS ONE, 2009, 4, e4966.	2.5	45
6	Seeing Green and Red in Diatom Genomes. Science, 2009, 324, 1651-1652.	12.6	26
7	Chitin in Diatoms and Its Association with the Cell Wall. Eukaryotic Cell, 2009, 8, 1038-1050.	3.4	155
8	Gene silencing in the marine diatom <i>Phaeodactylum tricornutum</i> . Nucleic Acids Research, 2009, 37, e96-e96.	14.5	264
9	The Presence and Localization of Thioredoxins in Diatoms, Unicellular Algae of Secondary Endosymbiotic Origin. Molecular Plant, 2009, 2, 468-477.	8.3	29
10	Update of the Diatom EST Database: a new tool for digital transcriptomics. Nucleic Acids Research, 2009, 37, D1001-D1005.	14.5	69
11	The Evolution and Function of Carotenoid Hydroxylases in Arabidopsis. Plant and Cell Physiology, 2009, 50, 463-479.	3.1	167
12	Biology of (1,3)- β -Glucans and Related Glucans in Protozoans and Chromistans. , 2009, , 353-385.		6
13	Diatom plastids depend on nucleotide import from the cytosol. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3621-3626.	7.1	80
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15	Potential impact of stress activated retrotransposons on genome evolution in a marine diatom. BMC Genomics, 2009, 10, 624.	2.8	112
16	Release of Volatile Aldehydes by the Brown Algal Kelp <i>Laminaria digitata</i> in Response to Both Biotic and Abiotic Stress. ChemBioChem, 2009, 10, 977-982.	2.6	30
17	Intracellular distribution of the reductive and oxidative pentose phosphate pathways in two diatoms. Journal of Basic Microbiology, 2009, 49, 58-72.	3.3	36
18	When to say when: can excessive drinking explain silicon uptake in diatoms?. BioEssays, 2009, 31, 322-327.	2.5	26

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19	Mitosis in diatoms: rediscovering an old model for cell division. <i>BioEssays</i> , 2009, 31, 874-884.	2.5	48
20	Sizing up the genomic footprint of endosymbiosis. <i>BioEssays</i> , 2009, 31, 1273-1279.	2.5	40
21	Distribution and phylogeny of the blue light receptors aureochromes in eukaryotes. <i>Planta</i> , 2009, 230, 543-552.	3.2	74
22	Sirtuin/Sir2 Phylogeny, Evolutionary Considerations and Structural Conservation. <i>Molecules and Cells</i> , 2009, 28, 407-416.	2.6	190
23	Some Observations of Diatoms Under Turbulence. <i>Silicon</i> , 2009, 1, 79-90.	3.3	21
24	Analytical studies of silica biomineralization: towards an understanding of silica processing by diatoms. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 607-616.	3.6	79
25	Diatom PtCPF1 is a new cryptochrome/photolyase family member with DNA repair and transcription regulation activity. <i>EMBO Reports</i> , 2009, 10, 655-661.	4.5	168
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28	PRIMARY CARBON AND NITROGEN METABOLIC GENE EXPRESSION IN THE DIATOM <i>THALASSIOSIRA PSEUDONANA</i> (BACILLARIOPHYCEAE): DIEL PERIODICITY AND EFFECTS OF INORGANIC CARBON AND NITROGEN ¹ . <i>Journal of Phycology</i> , 2009, 45, 1083-1092.	2.3	46
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31	Sterol metabolism in the oomycete <i>Aphanomyces euteiches</i> , a legume root pathogen. <i>New Phytologist</i> , 2009, 183, 291-300.	7.3	42
32	Chemical interactions in diatoms: role of polyunsaturated aldehydes and precursors. <i>New Phytologist</i> , 2009, 184, 794-805.	7.3	73
33	Enhancement of lipid production using biochemical, genetic and transcription factor engineering approaches. <i>Journal of Biotechnology</i> , 2009, 141, 31-41.	3.8	449
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36	The strain concept in phytoplankton ecology. <i>Harmful Algae</i> , 2009, 8, 746-758.	4.8	146

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38	Genome-Wide Transcriptome Analyses of Silicon Metabolism in <i>Phaeodactylum tricornutum</i> Reveal the Multilevel Regulation of Silicic Acid Transporters. PLoS ONE, 2009, 4, e7458.	2.5	101
39	Plastid genomes of two brown algae, <i>Ectocarpus siliculosus</i> and <i>Fucus vesiculosus</i> : further insights on the evolution of red-algal derived plastids. BMC Evolutionary Biology, 2009, 9, 253.	3.2	77
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43	FIRST INDUCED PLASTID GENOME MUTATIONS IN AN ALGA WITH SECONDARY PLASTIDS: <i>PSB</i> A MUTATIONS IN THE DIATOM <i>PHAEODACTYLUM TRICORNUTUM</i> (BACILLARIOPHYCEAE) REVEAL CONSEQUENCES ON THE REGULATION OF PHOTOSYNTHESIS ¹ . Journal of Phycology, 2009, 45, 838-846.	2.3	24
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