

cyanidioschyzon merolae a new pdf

On the ground of the microscopical observations, the authors emphasize that the characteristics of this alga are so peculiar as to consent the institution on it of a new genus Cyanidioschyzon and a new species; the authors therefore propose the name Cyanidioschyzon merolae.

« Cyanidioschyzon merolae »: a new alga of thermal acidic

Marc Hanikenne, ... Patrice Hamel, in The Chlamydomonas Sourcebook, 2009. 1. Chlamydomonas and other algae. A comparative inventory of metal transporter families in Chlamydomonas and the unicellular red alga Cyanidioschyzon merolae revealed that both algae have adapted their metal transporter complements to fit their environment (Hanikenne et ...

Cyanidioschyzon merolae - an overview | ScienceDirect Topics

The chapters introduce recent studies on *C. merolae*, from culture, synchronization and isolation methods of nucleic acids, proteins and organelles for molecular biological and cytological analyses, as well as its application in genetic engineering of environmental-stress-tolerant crops and oil production.

Cyanidioschyzon merolae | SpringerLink

Thermostable phycocyanin from the red microalga *Cyanidioschyzon merolae*, a new natural blue food colorant D. Y. Rahman^{1,2} & F. D. Sarian¹ & A. van Wijk¹ & M. Martinez-Garcia¹

Thermostable phycocyanin from the red microalga

Cyanidioschyzon merolae is a small (2¼m), club-shaped, unicellular haploid red alga adapted to high sulfur acidic hot spring environments (pH 1.5, 45 Å°C). The cellular architecture of *C. merolae* is extremely simple, containing only a single chloroplast and a single mitochondrion and lacking a vacuole and cell wall. In ...

Cyanidioschyzon merolae - Wikipedia

Includes information on a new model eukaryote for cell and organelle biology, *Cyanidioschyzon merolae* Presents molecular cell biological and cytological techniques including synchronization, microscopy and genetic engineering A definitive guide for both beginners and professionals in studying

Cyanidioschyzon merolae - A New Model Eukaryote for Cell

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Cyanidioschyzon Merolae A New Model Eukaryote For Cell And

The complete nucleotide sequence of the plastid genome of the unicellular primitive red alga *Cyanidioschyzon merolae* 10D (Cyanidiophyceae) was determined.

Metabolic Engineering of Cyanidioschyzon merolae | Request PDF

Cyanidioschyzon merolae is an extremophilic red micro- alga that dwells in moderately high temperatures (40â€“ 56 Å°C) and highly acidic (between pH 0.2â€“4) environments

Transformation of the Cyanidioschyzon merolae chloroplast

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Â« *Cyanidioschyzon merolae* Â»: a new alga of thermal acidic

Cyanidioschyzon merolae *Chondrus crispus* *Ectocarpus siliculosus* *Phaeodactylum tricorutum*
Ostreococcus tauri *Micromonas* strain RCC299 *Chlorella variabilis* NC64A *Chlamydomonas reinhardtii*
Volvox carteri f. *nagariensis* *Klebsormidium flaccidum* *Physcomitrella patens* subsp. *patens* *Selaginella*
moellendorffii *Oryza sativa* subsp. *japonica* *Populus trichocarpa* *Arabidopsis thaliana* Number of genes ...

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