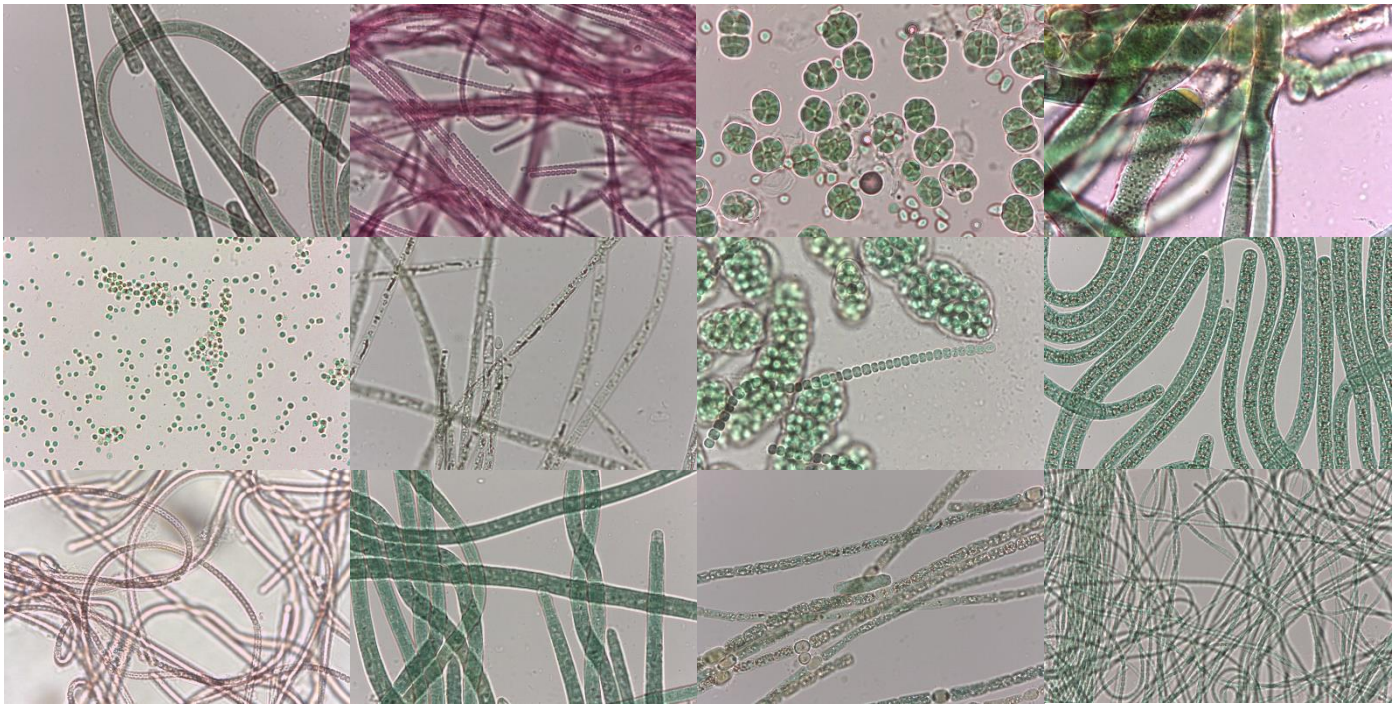
LEGE CULTURE COLLECTION

Strain Catalog

2017



Version 1.0

CIIMAR, Matosinhos, Portugal

LEGE Culture Collection

Strain Catalog

Blue Biotechnology and Ecotoxicology Culture Collection (acronym **LEGE**)

Member of the World Federation for Culture Collections (WFCC - WDCM #1089)

764 Figures

Version 1.0

2017

If using information from this catalog, **please consider to cite**:

Ramos, V., Morais, J., Castelo-Branco, R., Pinheiro, Â., Martins, J., Regueiras, A., Pereira, A.L., Lopes, V., Frazão, B. Gomes, D., Moreira, C., Costa, M.S., Brûle, S., Faustino, S. Martins, R., Saker, M., Osswald, J., Leão, P.N., Vasconcelos, V.M. (2018). Cyanobacterial diversity held in mBRCs as a biotechnological asset: the case study of the newly established LEGE Culture Collection. *Journal of Applied Phycology*. DOI: 10.1007/s10811-017-1369-y

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Table of contents

General Information

LEGE is the acronym for the Blue Biotechnology and Ecotoxicology Culture Collection at CIIMAR, Portugal. It comprises more than 380 cyanobacterial strains, several of them unique among the phylogenetic diversity of the group. **LEGE** is a comprehensive Biological Resource Centre of living culture material of cyanobacteria. Strains currently at **LEGE** were primarily isolated by members from the Blue Biotechnology and Ecotoxicology lab group, at CIIMAR. They have been obtained since 1991, from samples collected in different environments and locations mainly in Portugal (including Islands).

LEGE is member of World Federation for Culture Collections (WFCC, WDCM #1089), and it is also part of EMBRC.PT, the Portuguese node of the research infrastructure European Marine Biological Resource Centre.

LEGE seeks to provide products (i.e. strain cultures), services and expertise to national, regional and international stakeholders, for different aims (e.g. R&D in academia and industry; science education & dissemination).

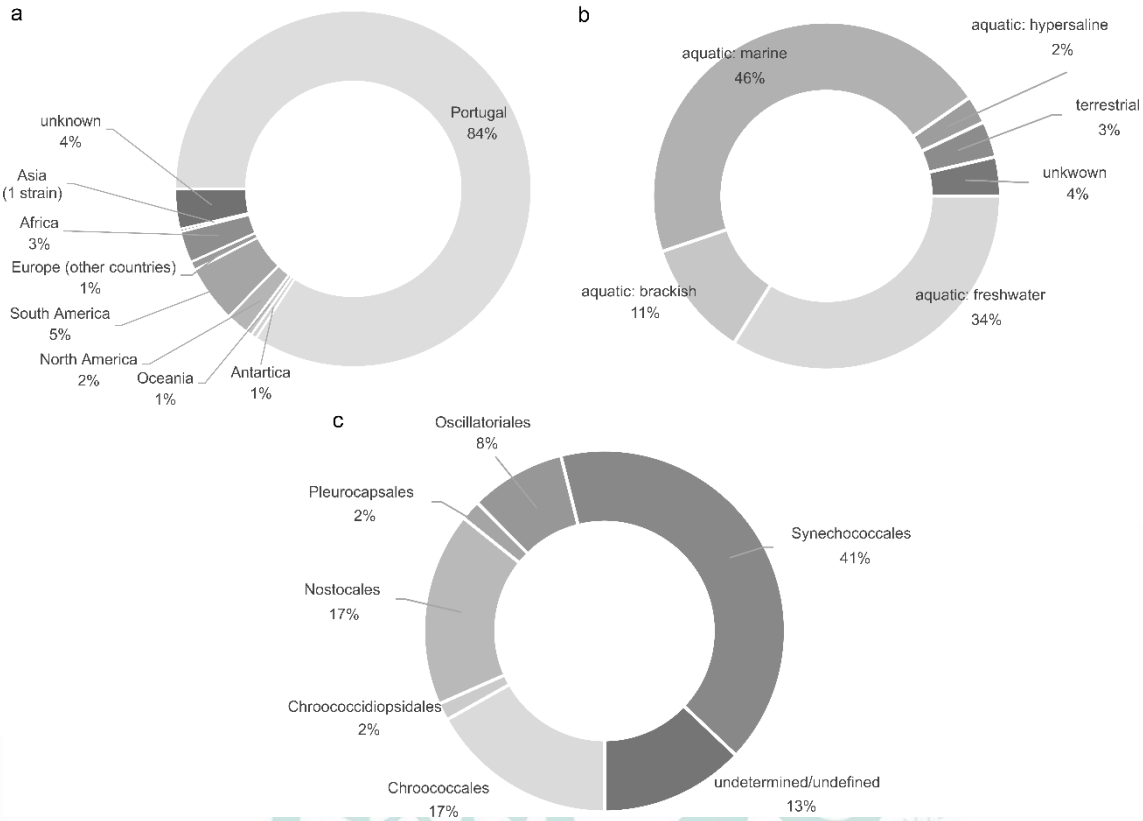
Diversity and Taxonomic Issues

Currently, the **LEGE** collection maintains over 380 strains of living cyanobacteria, which represent 46 genera spread across the phylogenetic diversity of these organisms. The strains were isolated mainly from saline and freshwater habitats in Portugal. An online-database can also be used to search for strains and associated data.

Although primarily focused on cyanobacteria, in the near future the collection will harbor eukaryotic microalgae.

Strains are characterized by means of genotypic and phenotypic-based approaches, in accordance with recent recommendations for identification. Currently, 80% of the LEGE strains have their 16S rRNA gene sequences deposited in GenBank.

The ever-changing nature of taxonomy causes identification to change over time. The current status of taxonomy of cyanobacteria and microalgae also renders difficult to keep the identification of strains present in a collection up-to-date. **LEGE** strains identifications are revised periodically and any taxonomic update for a strain will be added in the online-database. **LEGE** always revises the identification of deposited strains, which are usually identified by the depositor. Suggestions for the correction of names are welcomed.



General statistics for the 386 LEGE cyanobacterial strains concerning (a) geographical origin, (b) source/type of habitat, and (c) taxonomic classification at the order level

Preservation and Quality Control

Cyanobacterial LEGE strains are normally kept at 10–30 µmol photons m^{-2} s^{-1} under 12h/12h or 14h/10h light/dark cycles. The range of controlled temperature conditions at LEGE are 14ºC, 19ºC (for most strains), and 25ºC. For specific culture conditions of a strain, please see the respective catalog sheet.

Strains included in this catalog version are maintained by subculturing, in four different media (see p. 1). Subculturing transfers range from 2 (e.g. sensitive/delicate strains) to 6 months. Some strains are also cryopreserved at -80ºC. Soon, a stock comprising the full collection will be cryopreserved and stored at -150ºC. Any new entry in **LEGE** will be immediately cryopreserved. Strain replicates will be regularly thawed and evaluated for quality control, and the stock replenished. This long-term preservation procedure allows the genetic stability of **LEGE** strains and reduces the risk of strain contamination or loss.

LEGE strains included in this first version of the catalog are unialgal/unicyanobacterial, clonal, and xenic (non-axenic). Axenicization of strains will be attempted in the future; still, the original xenic culture will be retained (in such cases, the strain code of both cultures will be slightly different - an “A” will be added to the axenic culture).

Prior to any shipment, the morphological traits, growth and fitness of the strain are visually inspected.

Cyanotoxin production by toxic strains are regularly evaluated by analytical chemistry methods, using CIIMAR facilities.

Other Services

- Identification
- Isolation
- Cryopreservation of private strains
- Training and courses (basic microbiology; identification; molecular methods; phylogenetic analysis; cryopreservation)
- Consultancy advisory (cultivation; algal biotechnology)

Send us an expression of interest by using the contact form in the online-database or through our email.

Terms and Conditions

Ordering

Send us an expression of interest by using the contact form in the online-database or through our email.

Full details and documentation for order confirmation, and instructions for payment will be sent at that time.

For instance, before the supply of strain cultures from the **LEGE** collection, the customer shall complete and sign an Order Form and a Material Transfer Agreement.

By ordering strains from **LEGE**, the customer agrees to not resell, borrow, transfer, or give our strains to third parties.

Prices

For academic/non-profit use: 60€. For commercial use: 150€ (each strain).

Since our prices can change, for a current value users are advised to consult the online-database or to contact us directly by email.

For prices on other services, please contact us.

Culture Supply

Typically, for each strain ordered, **LEGE** supplies 2 x 5 ml tubes of culture in liquid medium.

Shipping costs are borne by customers. For Europe, cultures will normally be shipped by regular postal service. For other regions, as a rule, it shall be by express or priority shipping services.

Generally, shipping is performed 3-4 weeks after ordering and payment. Supply of strains at shorter notice cannot be guaranteed.

We cannot guarantee the viability of strain cultures upon receipt. Yet, provided that **LEGE** is notified within 2 weeks of dispatch, if cultures arrive in an unsatisfactory condition we can replace them. In this case the customer will be charged only for shipping.

LEGE Acknowledgement

Customers agree to cite properly the **LEGE** strain number(s) in all publications or patent applications and to acknowledge the **LEGE** collection as the source of the strains. Customers are kindly requested to inform us of any publication including **LEGE** strains.

Handling and Safety Issues

Tubes/cultures sent by **LEGE** should only be opened and used by trained persons, in suitable laboratory conditions. The volume and concentration of culture supplied is unlikely to be a serious hazard to laboratory workers, the community, livestock, or the environment. **LEGE** is not responsible to any damage or injury that might happen after arrival.

The customer should maintain, grow, use or dispose the cultures in accordance with appropriate procedures and precautions to avoid risks to persons and to the environment. Some LEGE strains are known to produce common cyanotoxins. In such cases, customers will be warned about it. Specific hazards that may be encountered when processing toxic cyanobacteria and recommended control measures can be found in Stewart et al. (2009). Nevertheless, since other **LEGE** strains may produce other secondary metabolites with unknown toxicity, all strains should be treated with caution.

In all situations, customers are advised to use a Class II biosafety cabinet for work with the cultures, and an autoclave or other suitable method (see Stewart et al., 2009) for disposal and decontamination within the lab.

Deposit

LEGE is open to deposition of strains, as long as the organisms adapt to growth conditions present in the collection. Candidate strains for deposition will be examined for contamination, proper identification and data accuracy.

Deposit of strains in **LEGE** is free of charge. However, shipping and transport costs are borne by the depositor.

Prior to the deposit process, depositor should review the status of the strains with regards to the Convention on Biological Diversity, the Nagoya Protocol or other related legal issues. All deposited strains are open to the public once their acceptance is approved.

Catalog - Strain Sheets

Sheet fields' explanation and notes

For non-self-explanatory fields, only.

Order (Older Classification Scheme)

Classification schemes followed for the Order assignment:

- Chroococcales, except Pleurocapsales → Komárek & Anagnostidis (1998)
- Pleurocapsales → Waterbury & Stanier (1978) and Rippka et al. (2001)
- Oscillatoriales → Komárek & Anagnostidis (2005)
- Nostocales → Komarek (2013)

Order 2014 (Modern Taxonomy)

Classification scheme followed for the Order assignment:

- All Orders → Komárek et al. (2014)

Morphometrics

Quantifiable morphological characters were measured at least 20 times.

Culture media

For media recipes see, e.g.:

Kotai (1972) → Z8, and Rippka (1988) → BG11, $BG11_0$ and MN

* 25‰ TM sea salt – 25 g/L of Tropical Marin® sea salt
* vit. B12 – Filter-sterilized vitamin B_{12} (or cyanocobalamin) is added to media after autoclaving, at a final concentration of 10 µg/L

Taxonomy Notes

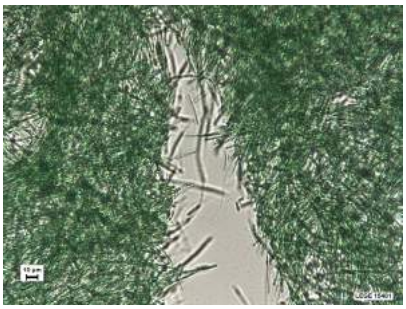
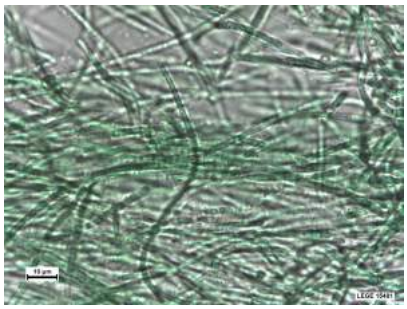
Remarks on the identification or taxonomic position of the strain.

Notes on ecophysiological traits

Details or elucidations about ecophysiological traits.

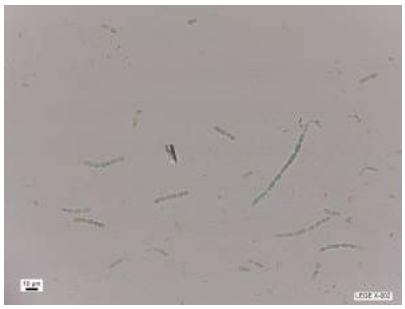
Taxonomic notes/diacritical features

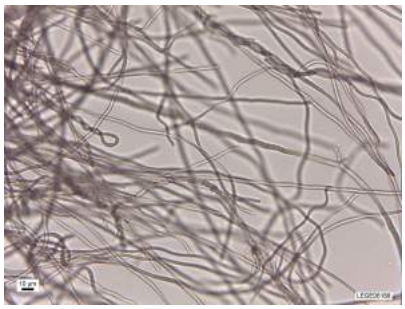
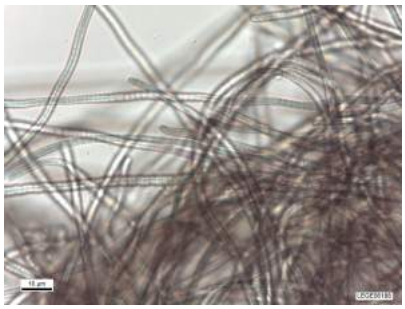
Some morphological notes which may have taxonomic relevance.

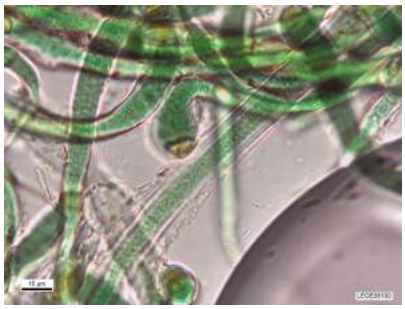
Strain ID	**Alkalinema aff. pantanalense LEGE 15481**		
Strain Taxonomy	Alkalinema pantanalense Vaz, MGGV; Genuário, DB; Andreote, APDA; Malone, CFS; Sant'Anna, AL & Fiore, MF (2015)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,7±0,3 × 1,6±0,3
Other Code(s)	IEP	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample, near a public water supply collection point
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951668	**Isolator**	Silvia Faustino
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Sílvia Faustino	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2015	**Preservation type**	subculturing
Location	Brazil: Macapá, Amazon river	**Light:dark cycle**	14:10-h
Latitude & Longitude	0.022443 N 51.054853 W	**Temperature (ºC)**	25
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

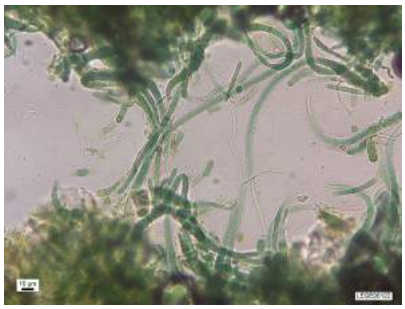
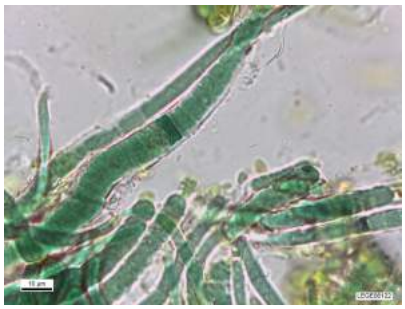
Strain ID	**Anabaena aphanizomenoides LEGE 00250**		
Strain Taxonomy	Anabaena aphanizomenoides Forti, A (1911)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,4±0,8 × 8,8±2,5
Other Code(s)	J27, LEANJ.27	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample, dam reservoir
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Chaves R. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

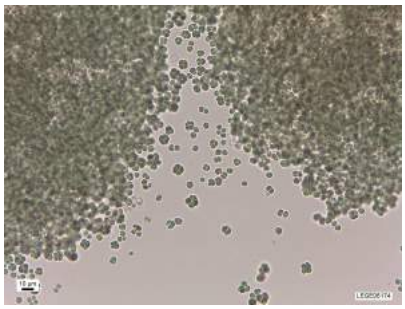
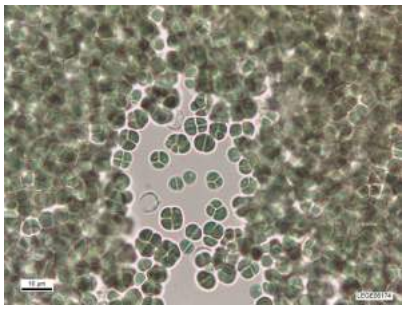
Strain ID	**Anabaena cf. cylindrica LEGE 00235**		
Strain Taxonomy	Anabaena cylindrica Lemmermann, E (1896)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,1±0,5 × 2,7±0,5 (Cells); Ø 5,4±0,6 (Heterocytes)
Other Code(s)	J4, LEANJ.4	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

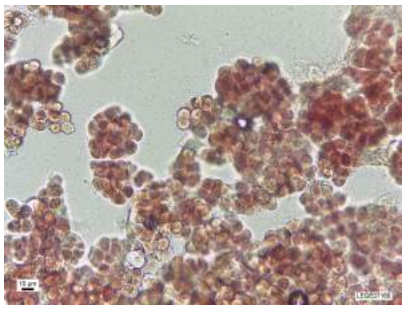
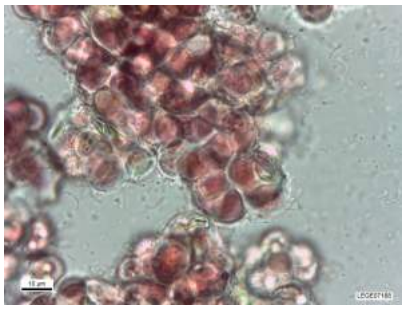
Strain ID	**Anabaena sp. LEGE X-002**		
Strain Taxonomy	Anabaena Bory ex Bornet, É & Flahault, C (1886 '1888')		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,0±0,9 × 4,9±0,8
Other Code(s)	ANA-37, Sivonen	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	toxin production, nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	ANTX-a producing strain
Accession Number(s)_16S		**Isolator**	Kaarina Sivonen
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Kaarina Sivonen	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1985/06/09	**Preservation type**	subculturing
Location	Finland: Lake Sääskjärvi	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Sivonen K., et al. (1989) Toxicity Assess. 4, 339–352; Osswald et al. (2007) Environ. Int. 33, 1070–1089; Osswald et al. (2008) Chemosphere, 72(9), 1235-1241; Rantala-Ylinen, et al. (2011) Appl. Environm. Microbiol. 77(20), 7271-7278		
References Publicly Available Theses			

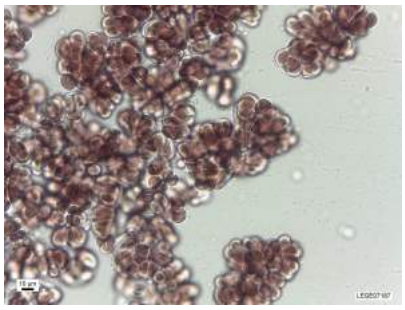
Strain ID	**Calenema singularis LEGE 06188**		
Strain Taxonomy	Calenema singularis Ramos, V; Brito, A & Kaštovský, J in Brito et al (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,5±0,5 × 2,0±0,3
Other Code(s)	LEAN 153	**Taxonomic notes/diacritical features**	some helical filaments; often, the end of the trichome is distinctly hooked; with hormogonia and distinguishable centro- and chromatoplasm; with sheath;
Parent Sample	O.06 LAV p1 - AA	**Macroscopic growth features**	color: dark brown; forming tuft-like aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	This is the Type strain of Calenema singularis Ramos, Brito et Kaštovský gen. nov., sp. nov.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832918	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC256766 (dinitrogenase reductase, nifH), KC842318, KC842319 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/22	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226; Costa et al. (2016) Sci. Rep. 6, 23436; Brito et al. (2017) Mol. Phylog. Evol. doi:10.1016/j.ympev.2017.03.006		
References Publicly Available Theses			

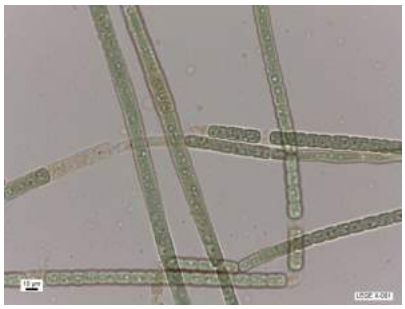
Strain ID	**Calothrix sp. LEGE 06100**		
Strain Taxonomy	Calothrix Agardh, C ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	7,5±2,5 × 2,7±0,8 (Cells); Ø 5,0±0,9 (Heterocytes); Sheath up to 1,2±0,2
Other Code(s)	LEAN 004	**Taxonomic notes/diacritical features**	heteropolar trichomes; false-branching observed; with necridic cells and hormogonia; with sheath
Parent Sample	V.06 LAV 2 - AA	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date	2007/03/08	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	tide pool, wave-exposed rock, epilithic
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832913	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813180, KC813181 (non-ribosomal peptide synthetase), KC842315 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/27	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

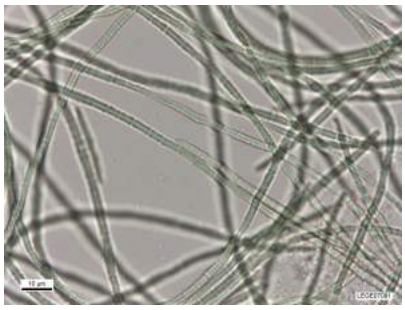
Strain ID	**Calothrix sp. LEGE 06122**		
Strain Taxonomy	Calothrix Agardh, C ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,1±0,7 × 2,7±0,5 (Cells); Sheath up to 1,6±0,5
Other Code(s)	LEAN 028	**Taxonomic notes/diacritical features**	heteropolar trichomes; false-branching observed; with necridic cells and hormogonia; cell ultrastructure data available
Parent Sample	O.06 BAR 3 - BBEA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	wave-exposed tide pool, on a submerged stone
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832908	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842309-KC842311 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/21	**Preservation type**	subculturing
Location	Portugal: Praia de São Bartolomeu do Mar, Esposende	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.57377 N 8.798558 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

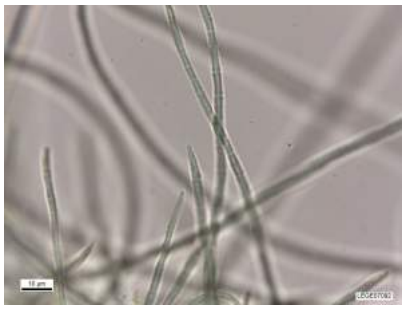
Strain ID	**Chroococcidiopsis sp. LEGE 06174**		
Strain Taxonomy	Chroococcidiopsis Geitler, L (1933)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,8±0,7 (Cells); Ø 7,4±0,8 (Group of 4 Cells)
Other Code(s)	LEAN 088	**Taxonomic notes/diacritical features**	mucilaginous envelope
Parent Sample	O.06 AGU p2 - C	**Macroscopic growth features**	color: olive green; forming aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Pleurocapsales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	abietic acid production (unknown ecophysiological role)
Accession Number(s)_16S	HQ832924	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842328, KC842329 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/22	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Brito et al. (2015) Algal Res. 9, 218-226; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

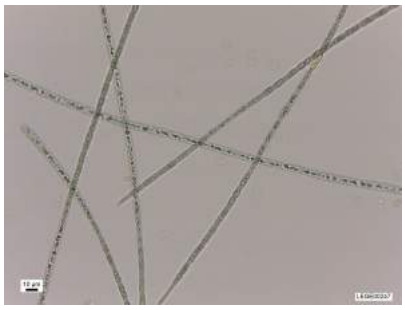
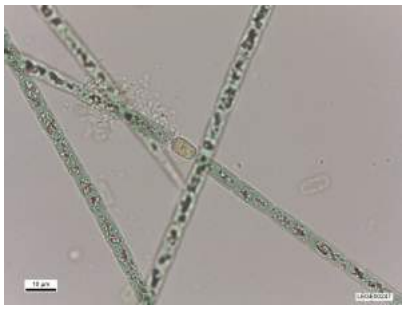
Strain ID	**Chroococcopsis sp. LEGE 07168**		
Strain Taxonomy	Chroococcopsis Geitler, L (1925)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 7,6±1,1 (Cells); Ø 46,8±16,1 (Group of Cells)
Other Code(s)	LEAN 082	**Taxonomic notes/diacritical features**	with baeocytes; mother cells divide by multiple fission
Parent Sample	P.07 LAV 1 - EA	**Macroscopic growth features**	color: brown-reddish; forming aggregates/colonies
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Pleurocapsales	**Habitat Sample Description**	intertidal zone, on a brown macroalga
Order 2014 (Modern Taxonomy)	Pleurocapsales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/15	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

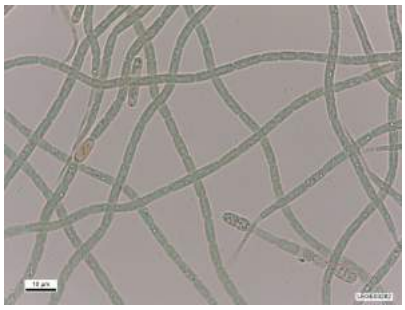
Strain ID	**Chroococcopsis sp. LEGE 07187**		
Strain Taxonomy	Chroococcopsis Geitler, L (1925)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 8,9±2,9 (Hemispherical Cells); Sheath up to 1,2±0,1
Other Code(s)	LEAN 151	**Taxonomic notes/diacritical features**	cell ultrastructure data available; with sheath
Parent Sample	P.07 MOL 3 - ABA	**Macroscopic growth features**	color: brownish; forming aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Pleurocapsales	**Habitat Sample Description**	intertidal zone, on a Gibbula sp. shell
Order 2014 (Modern Taxonomy)	Pleurocapsales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832904	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842293, KC842294 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/21	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

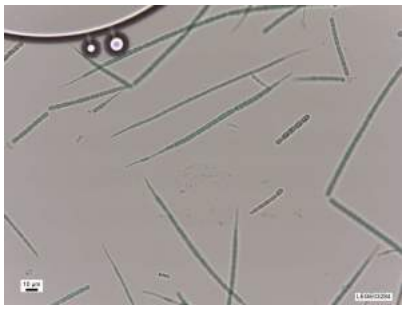
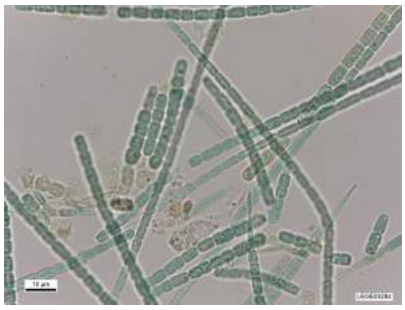
Strain ID	**Chrysosporum ovalisporum LEGE X-001**		
Strain Taxonomy	Chrysosporum ovalisporum (Forti) Zapomelová, E; Skácelová, O; Pumann, P; Kopp, R & Janecek, E (2012)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,3±1,0 × 4,6±1,0
Other Code(s)	APH OVAL	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	bloom sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	toxin production, nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	CYN producing strain
Accession Number(s)_16S		**Isolator**	Banker, et al. (1997)
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	(Banker, et al. (1997)	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 1994	**Preservation type**	subculturing
Location	Israel: Lake Kinnerett	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Banker, et al. (1997) J. Phycol. 33: 613–616; Berry et al. (2009) Toxicon 53, 289–299; Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

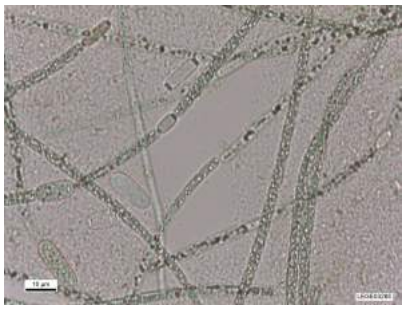
Strain ID	**Coleofasciculus sp. LEGE 07081**		
Strain Taxonomy	Coleofasciculus Siegesmund, MA; Johansen, JR & Friedl, T (2008)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,0±0,2 × 5,3±0,1
Other Code(s)		**Taxonomic notes/diacritical features**	apical cells rounded or conical-rounded
Parent Sample	VL 345	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217062	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/01	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.87933 N 8.838472 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

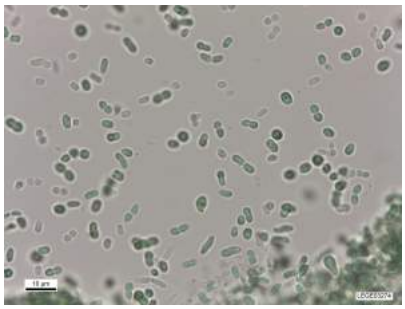
Strain ID	**Coleofasciculus sp. LEGE 07092**		
Strain Taxonomy	Coleofasciculus Siegesmund, MA; Johansen, JR & Friedl, T (2008)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,1 × 2,2±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	terminal cells rounded or conical-rounded
Parent Sample	VL 343	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217070	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Oct-2007	**Preservation type**	subculturing
Location	Portugal: Vouga estuary, Ria de Aveiro, São Jacinto	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.66644 N 8.725806 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756; Baptista et al. (2015) Environ. Sci. Pollut. Res., 22, 12501-12510		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Monteiro M.I. (2015) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

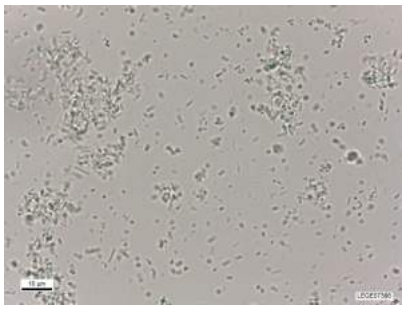
Strain ID	**Cuspidothrix issatschenkoi LEGE 00247**		
Strain Taxonomy	Cuspidothrix issatschenkoi (Usachev) Rajaniemi, P; Komárek, J; Willame, R; Hrouzek, P; Kastovská, K; Hoffmann, L & Sivonen, K (2005)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,9±0,6 × 10,0±4,5 (cells); 4,8±0,5 × 8,0±0,9 (Heterocytes);; 7,9±0,9 × 16,9±2,5 (Akinetes)
Other Code(s)	J20, LEANJ.20	**Taxonomic notes/diacritical features**	trichomes with vacuolated cells and narrowed toward ends
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	ANTX-a producing strain
Accession Number(s)_16S	KU951674	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Osswald J. (2007) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

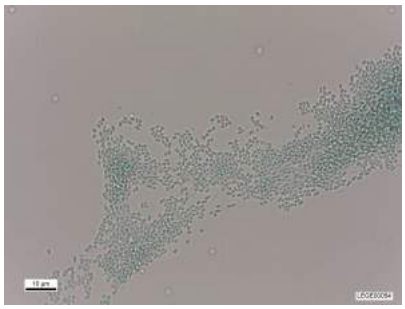
Strain ID	**Cuspidothrix issatschenkoi LEGE 03282**		
Strain Taxonomy	Cuspidothrix issatschenkoi (Usachev) Rajaniemi, P; Komárek, J; Willame, R; Hrouzek, P; Kastovská, K; Hoffmann, L & Sivonen, K (2005)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,9±0,7 × 6,6±1,0 (Cells); 3,2±0,9 × 8,4±1,3 (akinetes)
Other Code(s)	J76, LEANJ.76	**Taxonomic notes/diacritical features**	with akinetes
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample, dam reservoir
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951675	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2003/10/01	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, campsite at Montargil	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

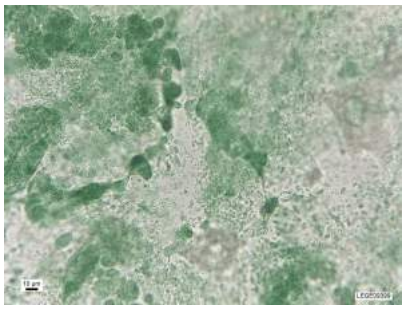
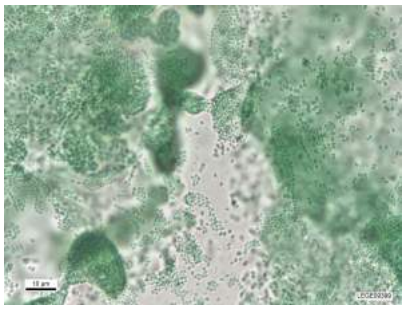
Strain ID	**Cuspidothrix issatschenkoi LEGE 03284**		
Strain Taxonomy	Cuspidothrix issatschenkoi (Usachev) Rajaniemi, P; Komárek, J; Willame, R; Hrouzek, P; Kastovská, K; Hoffmann, L & Sivonen, K (2005)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,8±0,4 × 4,7±1,0 (Cells); 4,1±0,6 × 15,0±6,5 (akinetes)
Other Code(s)	J78, LEANJ.78	**Taxonomic notes/diacritical features**	trichomes narrowed toward ends
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water, dam reservoir
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC989703	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)	KF008260 (cyanobactin, N-terminal protease (A))	**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2003/10/03	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, campsite at Montargil	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916		
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

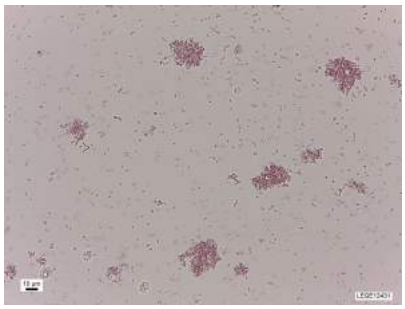
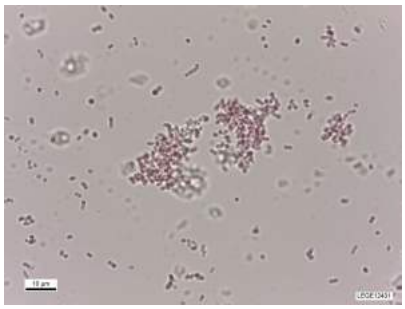
Strain ID	**Cuspidothrix issatschenkoi LEGE 03285**		
Strain Taxonomy	Cuspidothrix issatschenkoi (Usachev) Rajaniemi, P; Komárek, J; Willame, R; Hrouzek, P; Kastovská, K; Hoffmann, L & Sivonen, K (2005)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,7±0,3 × 7,1±0,7 (Cells); 3,9±0,5 × 9,5±2,6 (Heterocytes); 6,2±0,9 × 15,0±2,7 (Akinetes)
Other Code(s)	J79, LEANJ.79	**Taxonomic notes/diacritical features**	trichomes narrowed toward ends; vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951676	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Osswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2003/10/04	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, campsite at Montargil	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

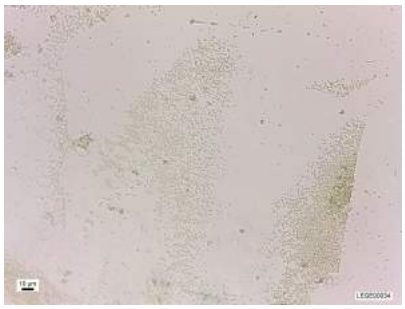
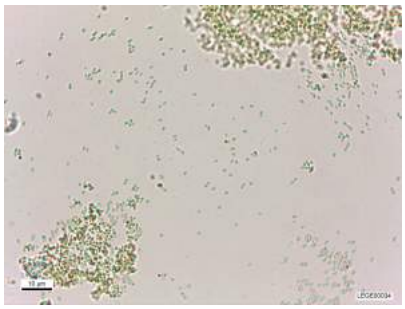
Strain ID	**Cyanobacterium stanieri LEGE 03274**		
Strain Taxonomy	Cyanobacterium stanieri Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,8±0,4 × 2,5±0,5
Other Code(s)	J70, LEANJ.70	**Taxonomic notes/diacritical features**	rod-shaped to widely oval cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951677	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2003/09/26	**Preservation type**	subculturing
Location	Portugal: Lagoa dos Salgados, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

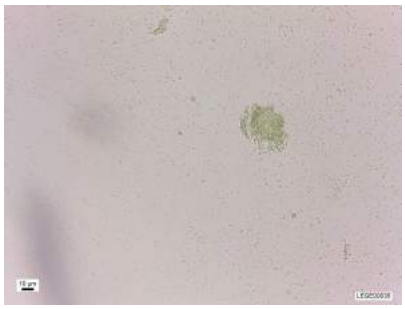
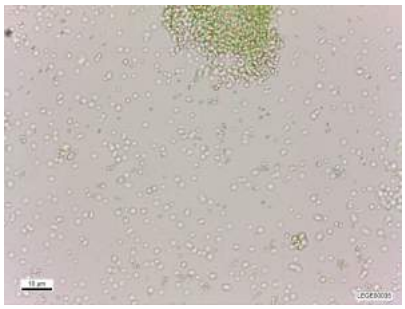
Strain ID	**Cyanobium aff. gracile LEGE 07366**		
Strain Taxonomy	Cyanobium gracile Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,0±0,2 (Spherical Cells); 1,0±0,2×10,6±5,5 (Involution Cells); 1,0±0,2×1,4±0,3 (Elongated Cells)
Other Code(s)		**Taxonomic notes/diacritical features**	some elongated, involution cells observed
Parent Sample	VL MS 612 ou 6 12?	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951678	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

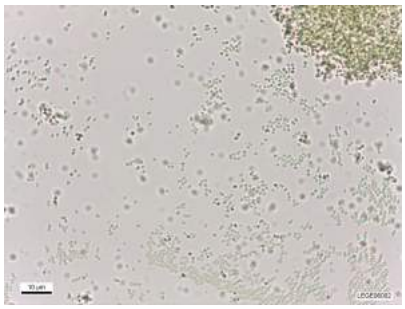
Strain ID	**Cyanobium gracile LEGE 00054**		
Strain Taxonomy	Cyanobium gracile Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,7±0,1 (Spherical Cells)
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	Infout Pico	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951679	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing
Location	Morocco: Imfout reservoir, Oum Rabiaa basin	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

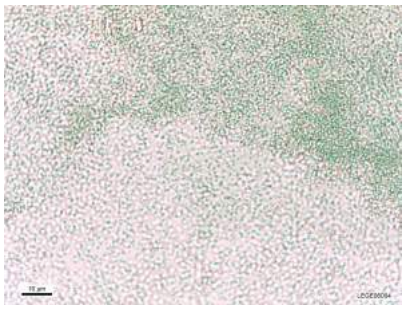
Strain ID	**Cyanobium gracile LEGE 09399**		
Strain Taxonomy	Cyanobium gracile Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,1
Other Code(s)		**Taxonomic notes/diacritical features**	several mucilaginous cell clusters
Parent Sample	Vela 1,2 um B	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample, from a pond
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951680	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	António J. Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2009	**Preservation type**	subculturing
Location	Portugal: Lagoa da Vela, Mira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

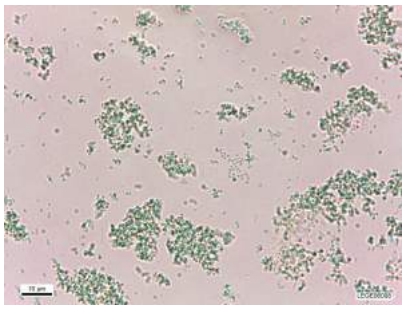
Strain ID	**Cyanobium gracile LEGE 12431**		
Strain Taxonomy	Cyanobium gracile Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,1 (Spherical Cells); 1,1±0,1 × 7,5±3,2 (Involution Cells); 1,1±0,1 ×1,6±0,3 (Elongated cells)
Other Code(s)		**Taxonomic notes/diacritical features**	some very elongated, involution cells observed
Parent Sample	LC5-BBA	**Macroscopic growth features**	color: reddish; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	chromatic adaptation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951681	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Jorge Nimptsch	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing, cryopreserved
Location	Chile: Caburgua Lake, La Araucania region	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

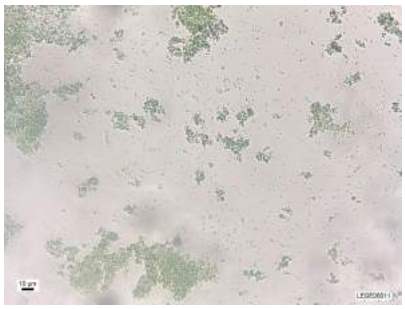
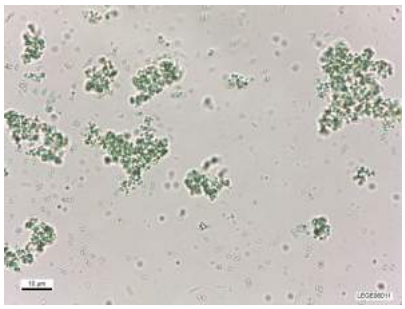
Strain ID	**Cyanobium sp. LEGE 00034**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,1
Other Code(s)	LEAN 208	**Taxonomic notes/diacritical features**	
Parent Sample	Aguda 13 (n)	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, intertidal zone, from a tide pool
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951682	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/05/31	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

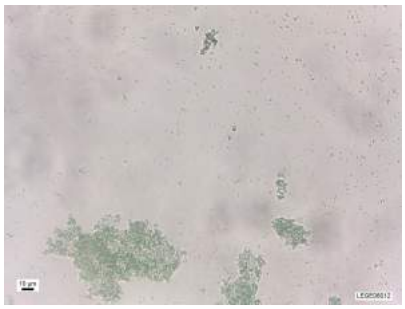
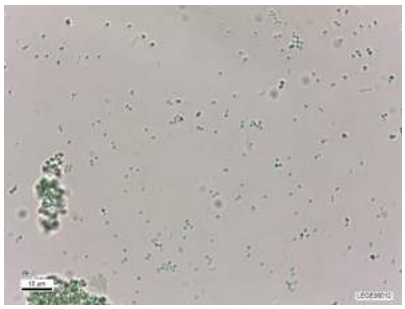
Strain ID	**Cyanobium sp. LEGE 00035**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,1
Other Code(s)	LEAN 209	**Taxonomic notes/diacritical features**	
Parent Sample	Olhos d'Água	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, intertidal zone, from a tide pool
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951683	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/09/01	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

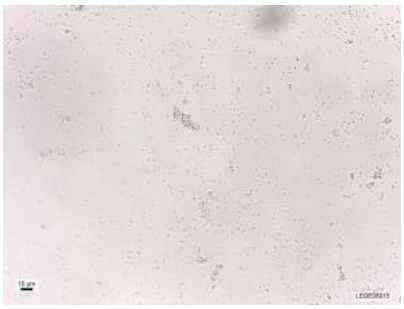
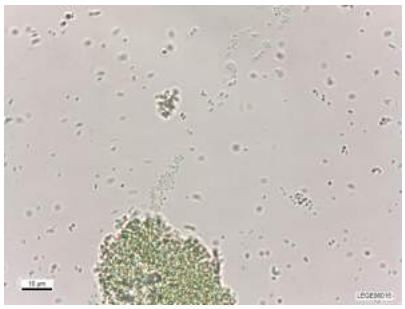
Strain ID	**Cyanobium sp. LEGE 06002**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	0,9±0,2 × 1,0±0,1
Other Code(s)	LEAN 123	**Taxonomic notes/diacritical features**	
Parent Sample	7 Buarcos	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951684	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia de Buarcos	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.15621 N 8.871803 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

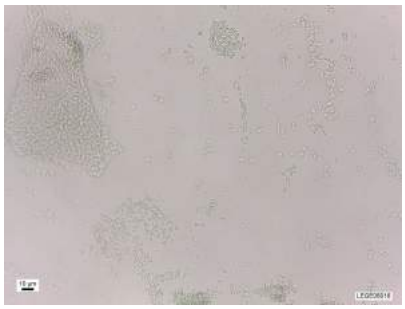
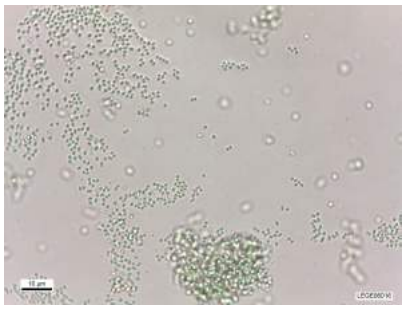
Strain ID	**Cyanobium sp. LEGE 06004**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	0,7±0,1 × 0,8±0,1
Other Code(s)	LEAN 125	**Taxonomic notes/diacritical features**	
Parent Sample	8 Buarcos	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia de Buarcos	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.15621 N 8.871803 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

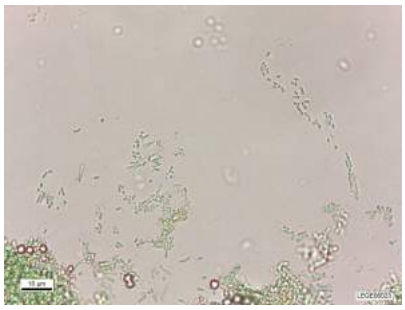
Strain ID	**Cyanobium sp. LEGE 06008**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)	strain 11, LEAN 104	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 11	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951685	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Foz do Arelho, Caldas da Rainha	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.43327 N 9.230275 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Frazão et al. (2010) Mar. Drugs 8, 1908-1919		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

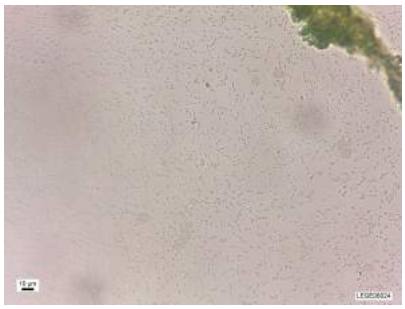
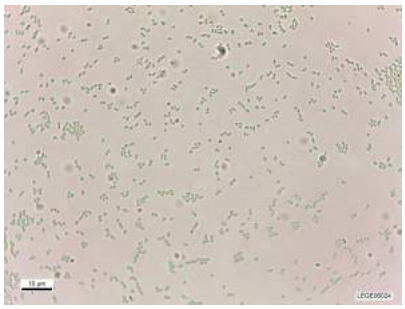
Strain ID	**Cyanobium sp. LEGE 06011**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	LEGE 06012	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,0±0,2
Other Code(s)	strain 4, LEAN 108	**Taxonomic notes/diacritical features**	facultative sheath
Parent Sample	Ref. 4	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951686	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Foz do Arelho, Caldas da Rainha	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.43327 N 9.230275 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Frazão et al. (2010) Mar. Drugs 8, 1908-1919; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

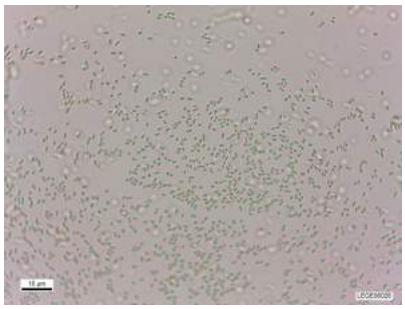
Strain ID	**Cyanobium sp. LEGE 06012**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	LEGE 06011	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,9±0,2
Other Code(s)	strain 4, LEAN 114	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 4	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951687	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)	KC842333 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Foz do Arelho, Caldas da Rainha	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.43327 N 9.230275 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

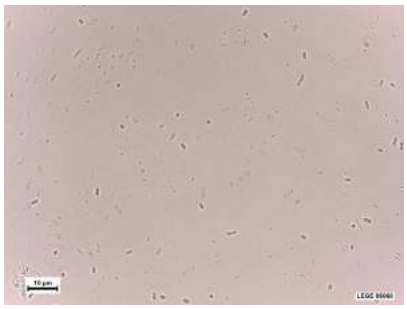
Strain ID	**Cyanobium sp. LEGE 06015**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)	strain 7, LEAN 102	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 7	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a Patella sp. shell
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951688	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Baleal Norte, Ferrel	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.37417 N 9.338722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Frazão et al. (2010) Mar. Drugs 8, 1908-1919; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

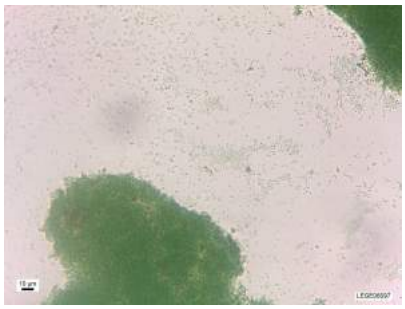
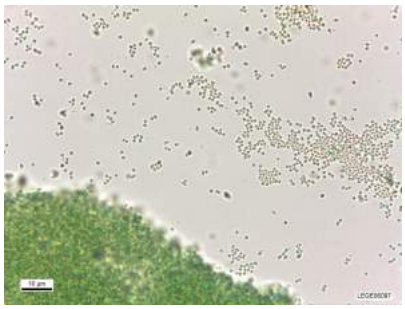
Strain ID	**Cyanobium sp. LEGE 06016**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,9±0,1
Other Code(s)	strain 22, LEAN 122	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 22, Baleal planktonic	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Baleal Norte, Ferrel	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.37417 N 9.338722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

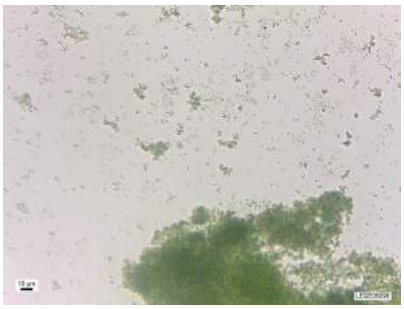
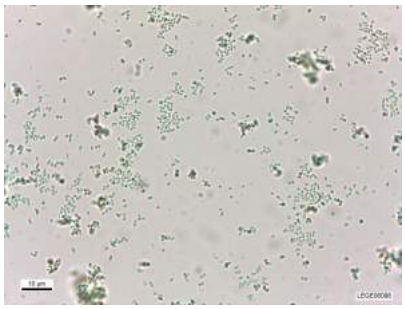
Strain ID	**Cyanobium sp. LEGE 06023**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)	strain 12, LEAN 110	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 12	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951689	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Empa, Ericeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.98079 N 9.421944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

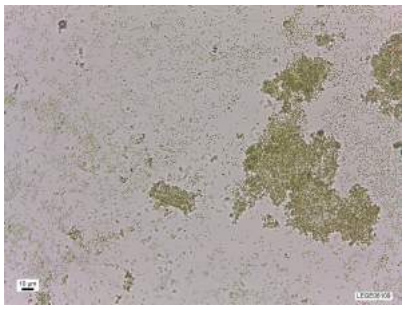
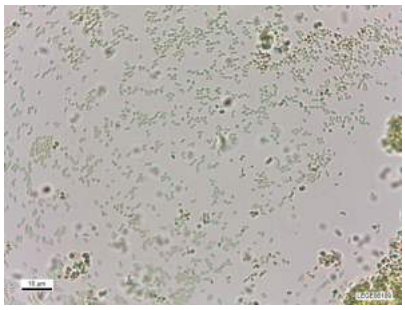
Strain ID	**Cyanobium sp. LEGE 06024**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,1
Other Code(s)	strain 2, LEAN 112	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 2	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-sheltered rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951690	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Empa, Ericeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.98079 N 9.421944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

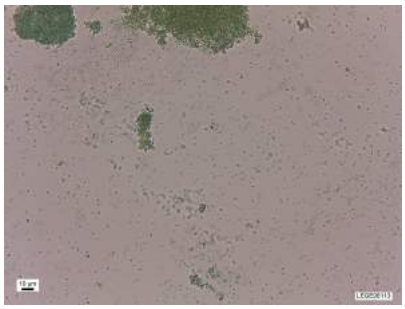
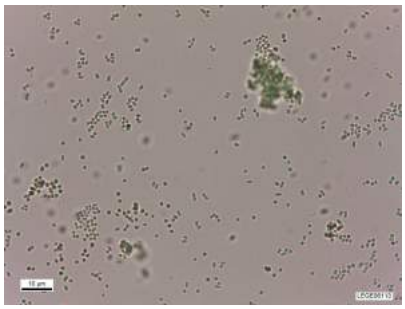
Strain ID	**Cyanobium sp. LEGE 06026**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,7±0,1
Other Code(s)	strain 9, LEAN 117	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 9	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-sheltered rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951691	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia da Empa, Ericeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.98079 N 9.421944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2014) Mar. Drugs 12, 98-114		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

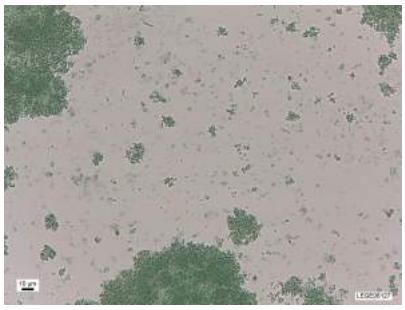
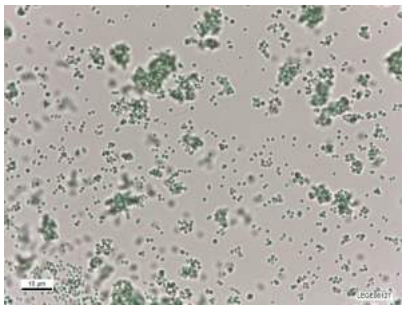
Strain ID	**Cyanobium sp. LEGE 06068**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)	15	**Taxonomic notes/diacritical features**	
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217069	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/11	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14792 N 8.651611 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

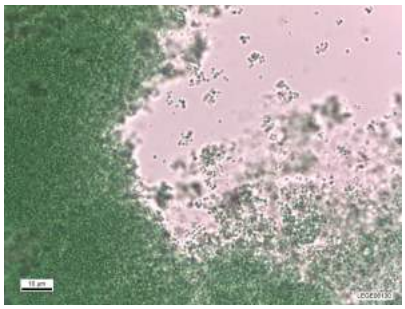
Strain ID	**Cyanobium sp. LEGE 06097**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,1
Other Code(s)	LEAN 001	**Taxonomic notes/diacritical features**	cell ultrastructure data available
Parent Sample	V.06 MAR 5 - BA	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date	2007/03/01	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a green macroalga
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951692	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842336 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/16	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

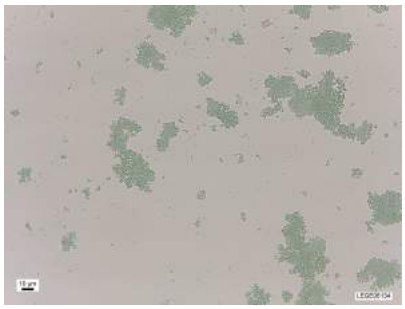
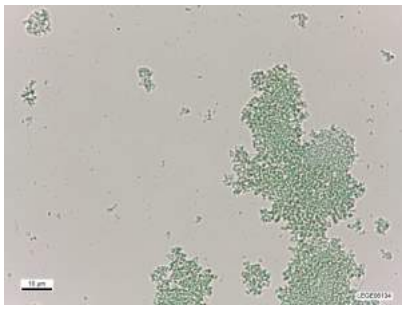
Strain ID	**Cyanobium sp. LEGE 06098**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,9±0,2
Other Code(s)	LEAN 002	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 MAR 5 - BBA	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date	2007/03/23	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a green macroalga
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC469572	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813175 (non-ribosomal peptide synthetase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/16	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2015) J. Toxicol. Env. Heal. A 78, 432-442; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal; Ribeiro M.J. (2012) MSc Dissertation, Department of Chemistry, University of Aveiro, Aveiro, Portugal;		

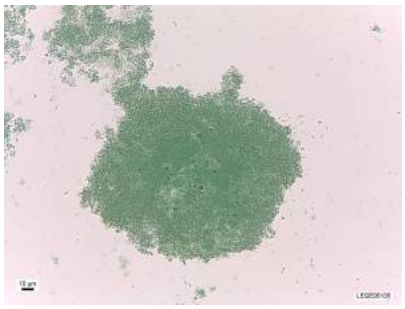
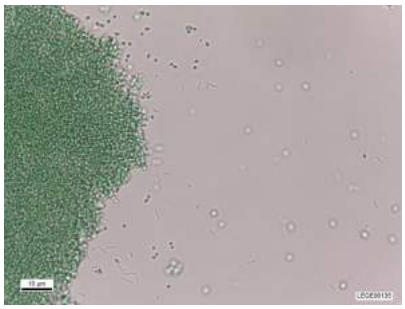
Strain ID	**Cyanobium sp. LEGE 06109**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,9±0,1
Other Code(s)	LEAN 014	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 AGU 6 - GA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007/03/01	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, Sabellaria sp. reef, epipsamic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832920	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813182 (non-ribosomal peptide synthetase), KC842325-KC842325 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/26	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

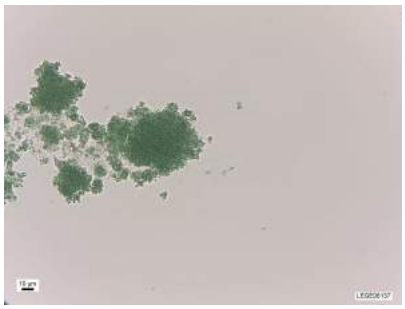
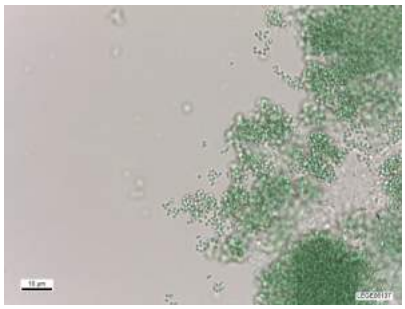
Strain ID	**Cyanobium sp. LEGE 06113**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,2
Other Code(s)	LEAN 018	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 AGU 12 - CA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007/03/08	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, Sabellaria sp. reef, epipsamic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	hierridin B production (unknown ecophysiological role)
Accession Number(s)_16S	KC469577	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842298 (polyketide synthase), KF010866 (polyketide synthase, ketosynthase domain)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/26	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2013) PLoS ONE 8 (7), e69562; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Ribeiro M.J. (2012) MSc Dissertation, Department of Chemistry, University of Aveiro, Aveiro, Portugal; Freitas S. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

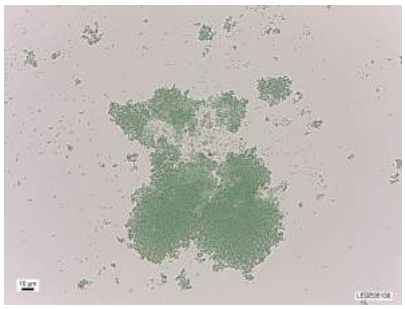
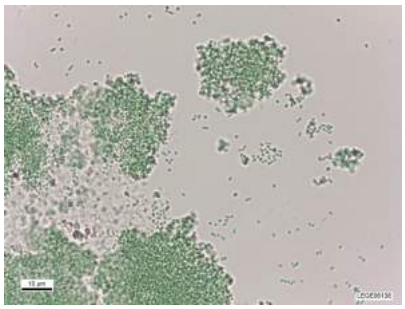
Strain ID	**Cyanobium sp. LEGE 06127**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,1
Other Code(s)	LEAN 032	**Taxonomic notes/diacritical features**	several cell clusters
Parent Sample	O.06 BUR 5 - CA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007/06/18	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, Sabellaria alveolata reef, epipsamic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951693	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/11	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119		
References Publicly Available Theses			

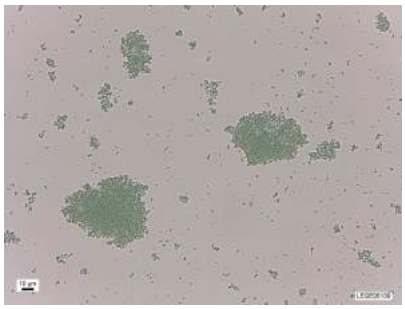
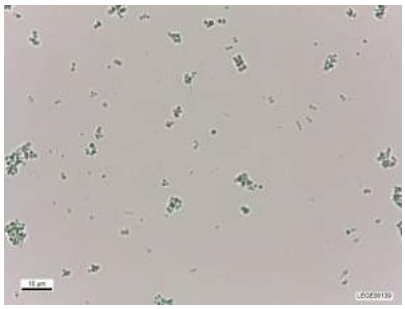
Strain ID	**Cyanobium sp. LEGE 06130**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,0±0,1
Other Code(s)	LEAN 038	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 ODA XX - ACAA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007/06/22	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	wave-exposed tide puddle, epilithic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951694	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842364, KC842365 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

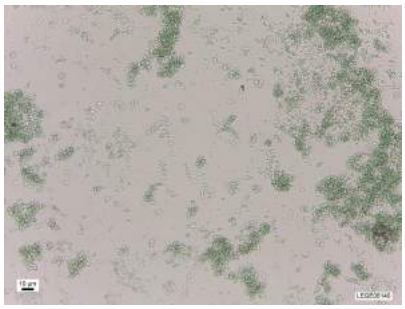
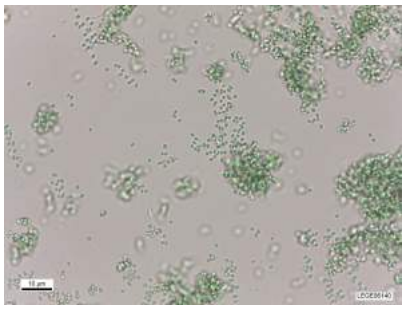
Strain ID	**Cyanobium sp. LEGE 06134**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,7±0,1
Other Code(s)	LEAN 043	**Taxonomic notes/diacritical features**	several cell clusters
Parent Sample	V.06 MOL 12 - ACA	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date	2007/06/22	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, Sabellaria sp. reef, epipsamic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC469573	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842299 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/30	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2014) Mar. Drugs 12, 98-114; Costa et al. (2015) J. Toxicol. Env. Heal. A 78, 432-442; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

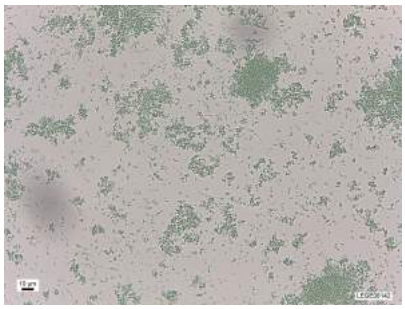
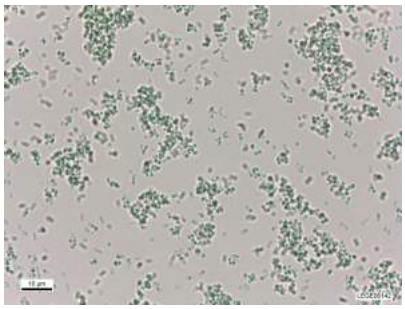
Strain ID	**Cyanobium sp. LEGE 06135**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,2
Other Code(s)	LEAN 045	**Taxonomic notes/diacritical features**	several cell clusters
Parent Sample	V.06 BAR 8 - ABA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, Sabellaria alveolata reef, epipsamic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951695	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/28	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia de São Bartolomeu do Mar, Esposende	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.57377 N 8.798558 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

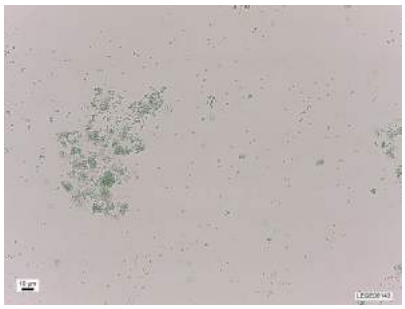
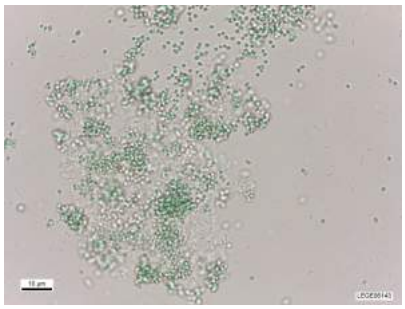
Strain ID	**Cyanobium sp. LEGE 06137**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,0±0,2
Other Code(s)	LEAN 047	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 LAV 2 - CA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007/06/18	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-exposed rock, surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832914	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/27	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114		
References Publicly Available Theses			

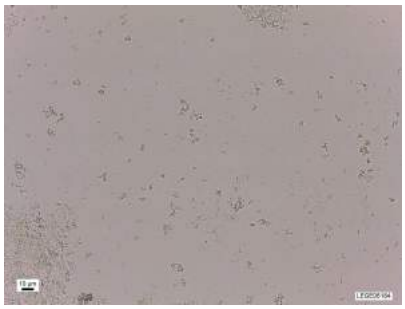
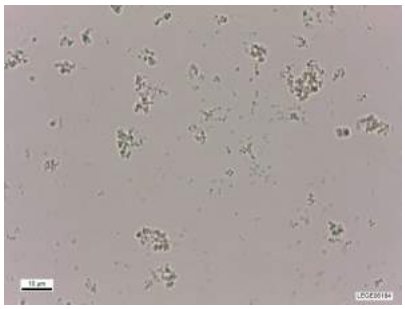
Strain ID	**Cyanobium sp. LEGE 06138**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,1
Other Code(s)	LEAN 048	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 AGU 1 - ABA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, Sabellaria alveolata reef, epipsamic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951696	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/26	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

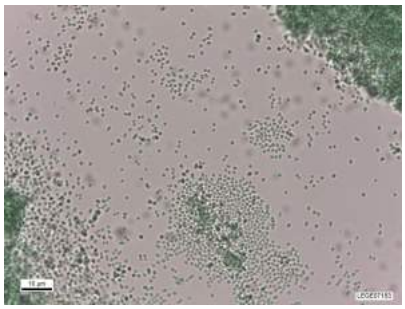
Strain ID	**Cyanobium sp. LEGE 06139**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,1
Other Code(s)	LEAN 049	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 AGU 5 - A	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date	2007/06/18	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a Mytilus sp. shell
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC469574	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/26	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2014) Mar. Drugs 12, 98-114; Costa et al. (2015) J. Toxicol. Env. Heal. A 78, 432-442		
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

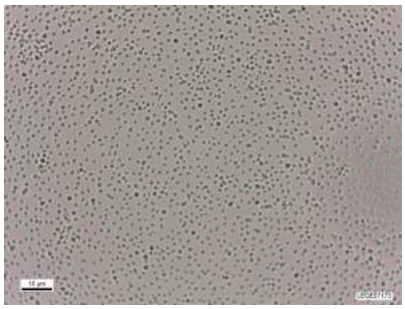
Strain ID	**Cyanobium sp. LEGE 06140**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,1
Other Code(s)	LEAN 050	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 AGU 8 - BA	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951697	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/06/26	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119		
References Publicly Available Theses			

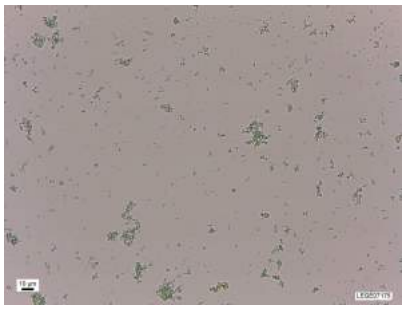
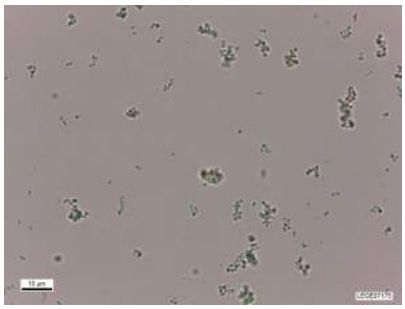
Strain ID	**Cyanobium sp. LEGE 06142**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,1
Other Code(s)	LEAN 053	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 MAR 6 - AAA	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-exposed rock surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/16	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

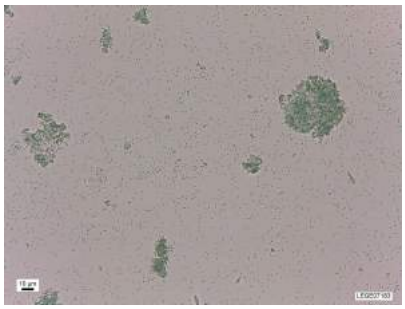
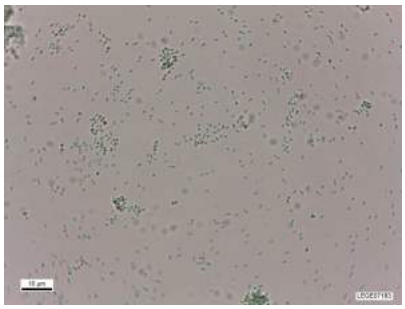
Strain ID	**Cyanobium sp. LEGE 06143**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,1
Other Code(s)	LEAN 055	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 BUR 3 - AA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007/06/18	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-sheltered zone, sand
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951698	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/17	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119		
References Publicly Available Theses			

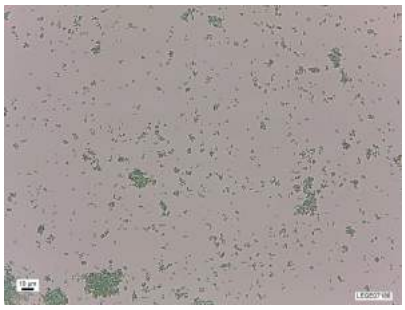
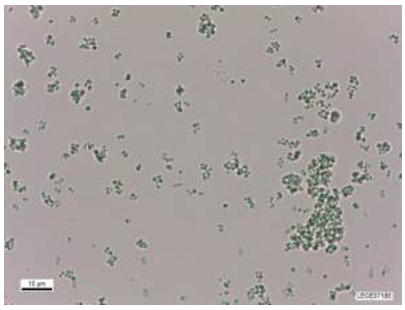
Strain ID	**Cyanobium sp. LEGE 06184**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,0±0,2
Other Code(s)	LEAN 098	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 BUR p4 - BA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, coastal
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951699	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842354 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/17	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Cyanobium sp. LEGE 07153**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,1
Other Code(s)	LEAN 067	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 MAR 2 - CAA	**Macroscopic growth features**	color: cyano; forming a firm biofilm and also aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	wave-sheltered zone, sand
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951700	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119		
References Publicly Available Theses			

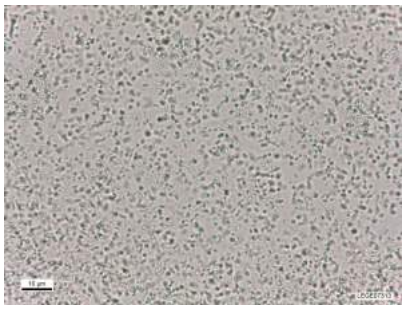
Strain ID	**Cyanobium sp. LEGE 07173**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,1
Other Code(s)	LEAN 087	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 ODA 3 - AAA	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	tide puddle, on a submerged stone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951701	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813193, KC813194 (non-ribosomal peptide synthetase), KC842372 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

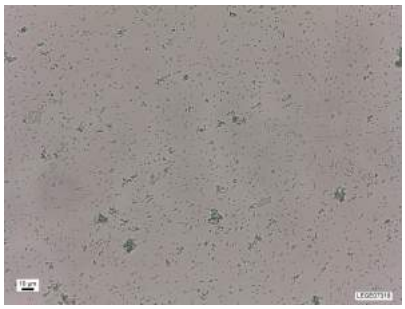
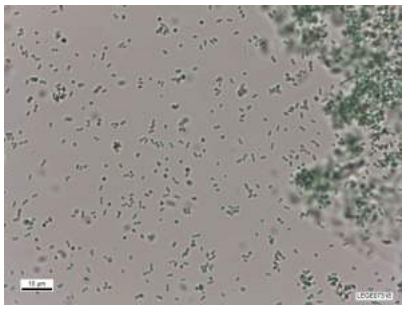
Strain ID	**Cyanobium sp. LEGE 07175**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,0±0,1
Other Code(s)	LEAN 089	**Taxonomic notes/diacritical features**	several cell clusters
Parent Sample	P.07 MAR p1 - B	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC469575	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2014) Mar. Drugs 12, 98-114; Costa et al. (2015) J. Toxicol. Env. Heal. A 78, 432-442		
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

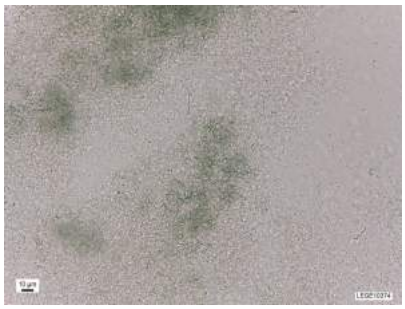
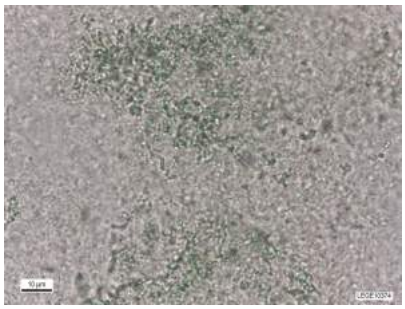
Strain ID	**Cyanobium sp. LEGE 07183**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,7±0,1
Other Code(s)	LEAN 097	**Taxonomic notes/diacritical features**	short rod-shaped cells
Parent Sample	P.07 ODA 1 - AAA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	tide puddle, rock surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951702	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

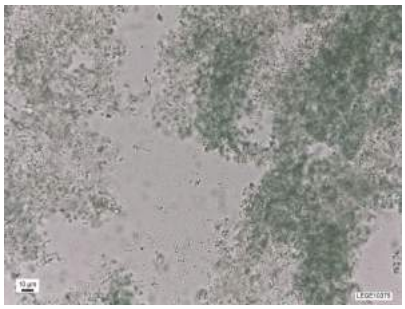
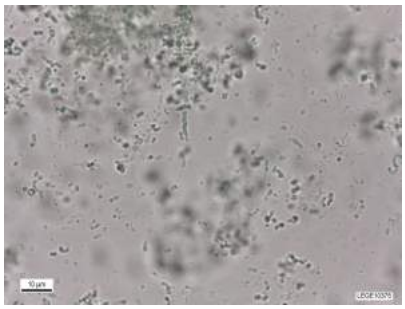
Strain ID	**Cyanobium sp. LEGE 07186**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,2
Other Code(s)	LEAN 150	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 MAR 6 - p96, dil. 1/4 - AB	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	tide pool, on a submerged stone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC469576	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842302, KC842303 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2014) Mar. Drugs 12, 98-114; Costa et al. (2015) J. Toxicol. Env. Heal. A 78, 432-442; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

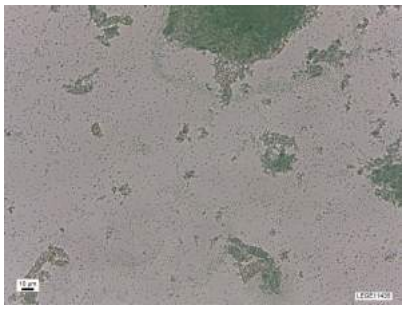
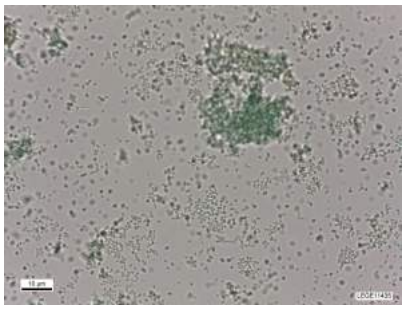
Strain ID	**Cyanobium sp. LEGE 07293**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	
Other Code(s)	SE 199#2	**Taxonomic notes/diacritical features**	
Parent Sample	n.d.	**Macroscopic growth features**	color: brownish; forming a firm biofilm and aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217048	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene/region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial, delicate
Collection Date	2007/04/03	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Seixas	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.90181 N 8.813139 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

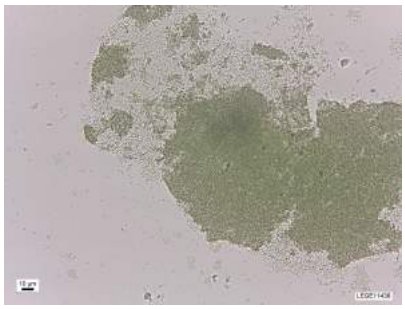
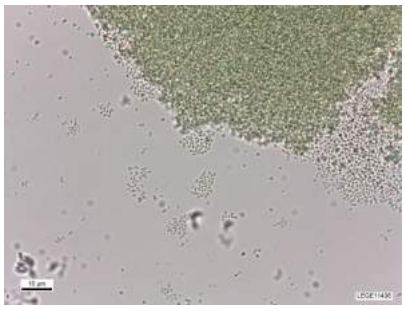
Strain ID	**Cyanobium sp. LEGE 07313**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2 (spherical cells); 0,8±0,2 × 1,6±0,3 (elongated cells); 0,8±0,2 × 5,0±1,8 (involution cells)
Other Code(s)		**Taxonomic notes/diacritical features**	rod-shaped cells; some elongated, involution cells observed
Parent Sample	363_4Flu	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951703	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

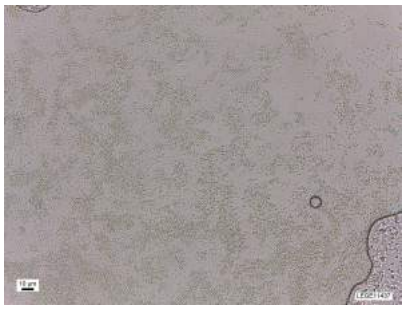
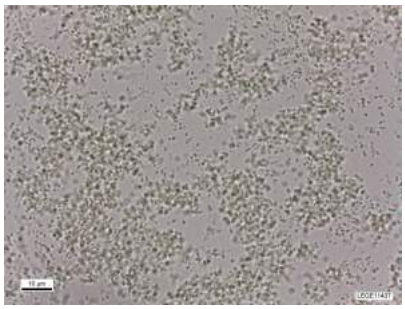
Strain ID	**Cyanobium sp. LEGE 07318**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)	Por357	**Taxonomic notes/diacritical features**	shortly rod-shaped cells; several cell clusters
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; forming a firm biofilm and aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217050	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/10/10	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.657972 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

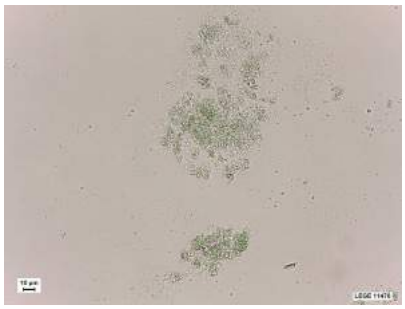
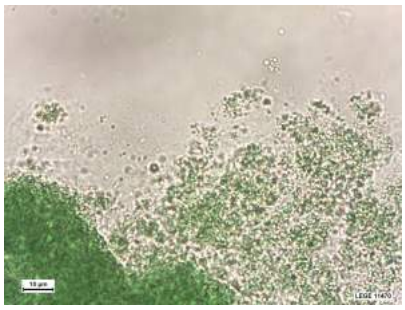
Strain ID	**Cyanobium sp. LEGE 10374**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,7±0,1 (Spherical Cells); 1,3±0,1 × 13,2±3,5 (Involution cells); 1,1±0,2 × 1,3±0,3 (Elongated cells)
Other Code(s)	16Hp1	**Taxonomic notes/diacritical features**	some elongated, involution cells observed
Parent Sample		**Macroscopic growth features**	
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951704	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vivas J. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

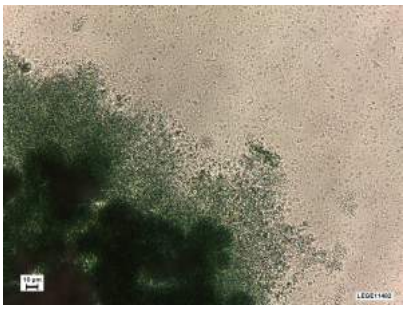
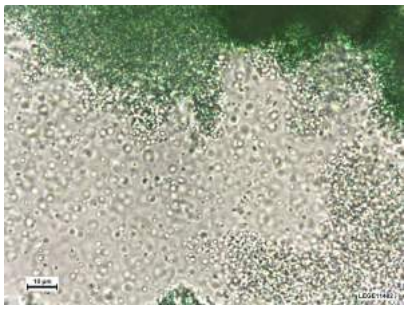
Strain ID	**Cyanobium sp. LEGE 10375**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,3 (Cells); 1,2±0,2 × 6,4±3,2 (Involution Cells); 1,2±0,2 × 1,8±0,4 (Elongated Cells)
Other Code(s)	16Hp2	**Taxonomic notes/diacritical features**	some sigmoid, elongated, involution cells; distinguishable centro- and chromatoplasm
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951705	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/10/24	**Preservation type**	subculturing
Location	Portugal: Praia de São Bartolomeu do Mar, Esposende	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.57378 N 8.798556 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vivas J. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

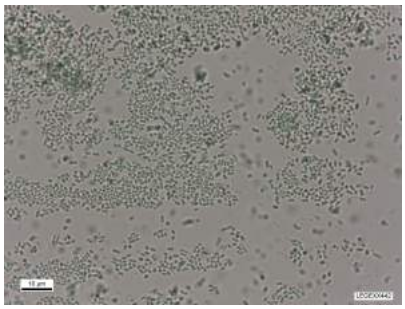
Strain ID	**Cyanobium sp. LEGE 11435**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	several cell clusters
Parent Sample	3.003.10.11 2ª MN_AP.E-A/b	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951706	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Cyanobium sp. LEGE 11436**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	several cell clusters
Parent Sample	3.003.10.11 2ª MN_AP.N(A)/a	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951707	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

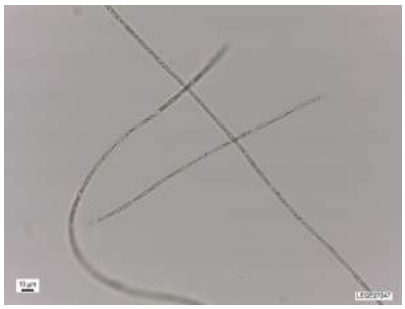
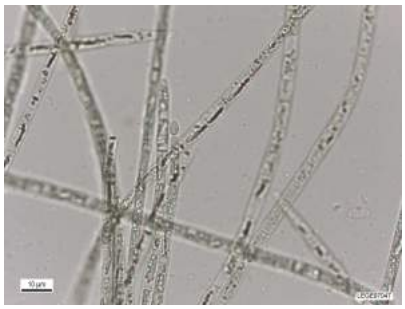
Strain ID	**Cyanobium sp. LEGE 11437**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,9±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	pseudofilaments observed
Parent Sample	3.002.09.11 MN	**Macroscopic growth features**	color: greenish; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, epilithic (10-13m depth), less than 1 km off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951708	**Isolator**	Sofia Costa
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: 'Pêlo Negro', diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.18557 N 8.719100 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

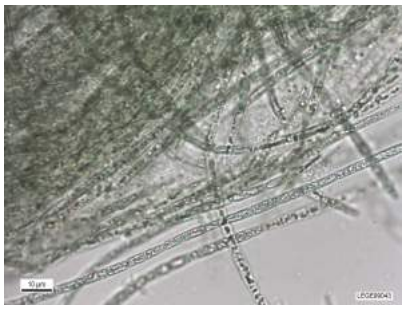
Strain ID	**Cyanobium sp. LEGE 11470**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,9±0,1
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	15.003.1011	**Macroscopic growth features**	color: cyano; growing homogeneously and forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951709	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

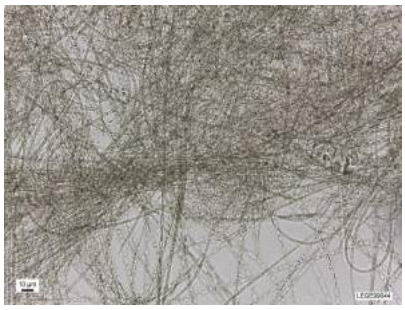
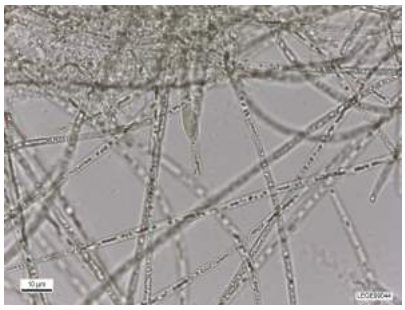
Strain ID	**Cyanobium sp. LEGE 11482**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	15.003.1011 wall A/B	**Macroscopic growth features**	
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	ready to submit	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Cyanobium sp. LEGE XX442**		
Strain Taxonomy	Cyanobium Rippka, R & Cohen-Bazire, G (1983)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,1 (spherical cells); 0,8±0,1× 3,0±0,3 (involution cells); 0,8±0,1× 1,7±0,1 (elongated cells)
Other Code(s)		**Taxonomic notes/diacritical features**	shortly rod-shaped cells; some elongated, involution cells observed
Parent Sample	VL Por 1	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951710	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14739 N 8.667639 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Cylindrospermopsis raciborskii LEGE 95046**		
Strain Taxonomy	Cylindrospermopsis raciborskii (Woloszynska) Seenayya, G & Subba Raju, N (1972)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,6±0,8 × 12,4±3,0 (Cells); 3,6±0,4 × 6,0±3,3 (Heterocytes)
Other Code(s)	CR7, LJ	**Taxonomic notes/diacritical features**	trichomes with vacuolated cells and narrowed toward ends
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; mucilaginous
Isolation Date	1995	**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample from a potable supply
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation, buoyancy, EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	non-CYN producing strain (by HPLC); nontoxic by mouse bioassay
Accession Number(s)_16S	AF516725	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)	HQ407336 (rpoC1), HQ407347 (16S-23S rRNA ITS, longer spacer), HQ407360 (16S-23S rRNA ITS, shorter spacer)	**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1995/06/17	**Preservation type**	subculturing
Location	Australia: Lake Julius, Queensland	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Saker & Griffiths (2000) Phycologia, 39, 349-354; Saker & Neilan (2001) Appl Environ Microbiol 67,1839–45; Saker et al. (2003) Mol. Ecol. 12 (1), 133-140; Saker et al. (2003) Limnetica 22, 129-136; Saker et al. (2003) Ecotox. Environ. Safe. 55, 243–250; Neilan et al. (2003) Mol. Ecol. 12 (1), 133-140; Berry et al. (2009) Toxicon 53, 289–299; Stucken et al. (2009) Syst. Appl. Microbiol. 32, 37–48; Moreira et al. (2011) Curr. Microbiol. 62 (5), 1590-1595; Puerto et al. (2011) Aquat. Toxicol. 101, 109–116		
References Publicly Available Theses	Saker M.L. (2000) PhD Thesis, James Cook University, Townsville, Australia		

Strain ID	**Cylindrospermopsis raciborskii LEGE 97047**		
Strain Taxonomy	Cylindrospermopsis raciborskii (Woloszynska) Seenayya, G & Subba Raju, N (1972)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,2±0,8 × 9,4±2,4 (Cells); 2,9±0,5 × 4,7±0,7 (Heterocytes)
Other Code(s)	CR3, AQS, Cylin-A	**Taxonomic notes/diacritical features**	trichomes with vacuolated cells and narrowed toward ends
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	Aug-1997	**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	from an aquaculture pond
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	toxin production, nitrogen-fixation, buoyancy
Taxonomy Notes		**Notes on ecophysiological traits**	CYN producing strain
Accession Number(s)_16S	HQ407325	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)	HQ407337 (rpoC1), HQ407348 (16S-23S rRNA ITS, longer spacer), HQ407361 (16S-23S rRNA ITS, shorter spacer)	**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Aug-1997	**Preservation type**	subculturing, cryopreserved
Location	Australia: Townsville, Queensland	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Saker and Eaglesham (1999) Toxicon 37, 1065-1077; Saker & Neilan (2001) Appl Environ Microbiol 67,1839–45; Metcalf et al. (2002) FEMS Microbiol. Lett. 216, 159-164; Nogueira et al. (2004) Environ. Toxicol. 19(5), 453-459; Saker et al. (2004) Toxicon 43, 185–194; Berry et al. (2009) Toxicon 53, 289–299; Leão et al. (2009) Eur. J. Phycol. 44, 347-355; Stucken et al. (2009) Syst. Appl. Microbiol. 32, 37–48; Silva & Vasconcelos (2010) Chem. Ecol. 26(4), 263-271; Moreira et al. (2011) Appl. Microbiol. Biotechnol. 92(1), 189-197; Moreira et al. (2011) Curr. Microbiol. 62 (5), 1590-1595; Puerto et al. (2011) Aquat. Toxicol. 101, 109–116; Fraga et al. (2014) Anal. Chim. Acta 850, 57-64; Freitas et al. (2015) Ecotoxicol. Environ. Saf. 116, 59-67; Freitas et al. (2015) Phytochemistry 110, 91-103; Pinho et al. (2015) Chem. Eng. J. 268, 144–152		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; de Matos A. (2014) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Mendes R.A. (2014) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Pinho L. (2014) PhD Thesis, FEUP, University of Porto, Porto, Portugal		

Strain ID	**Cylindrospermopsis raciborskii LEGE 99043**		
Strain Taxonomy	Cylindrospermopsis raciborskii (Woloszynska) Seenayya, G & Subba Raju, N (1972)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,4±0,6 × 6,9±1,9
Other Code(s)	4799, PT1	**Taxonomic notes/diacritical features**	trichomes with vacuolated cells and narrowed toward ends
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates; mucilaginous
Isolation Date	1999	**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation, buoyancy
Taxonomy Notes		**Notes on ecophysiological traits**	non-CYN producing strain (by HPLC); toxic by mouse bioassay
Accession Number(s)_16S	AF516741	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)	HQ407330 (rpoC1), HQ407340 (16S-23S rRNA ITS, longer spacer), HQ407353 (16S-23S rRNA ITS, shorter spacer)	**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1999	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Odivelas dam reservoir, Ferreira do Alentejo	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Saker et al. (2003) Ecotox. Environ. Safe. 55, 243–250; Saker et al. (2004) Limnetica 23(1-2), 145-152; Neilan et al. (2003) Mol. Ecol. 12 (1), 133-140.; Berry et al. (2009) Toxicon 53, 289–299; Leão et al. (2009) Eur. J. Phycol. 44, 347-355; Moreira et al. (2011) Curr. Microbiol. 62 (5), 1590-1595; Antunes et al. (2012) Microb. Ecol. 64 (3): 584-592; Fraga et al. (2014) Anal. Chim. Acta 850, 57-64; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Antunes J. (2011) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

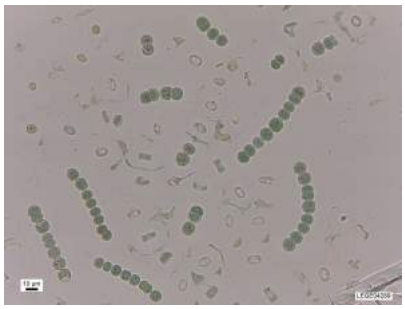
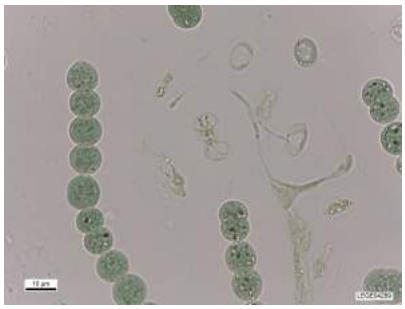
Strain ID	**Cylindrospermopsis raciborskii LEGE 99044**		
Strain Taxonomy	Cylindrospermopsis raciborskii (Woloszynska) Seenayya, G & Subba Raju, N (1972)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,0±0,4 × 7,8±2,4 (Cells); 4,9±1,2 × 16,6±4,4 (akinetes)
Other Code(s)	4899, PT2	**Taxonomic notes/diacritical features**	trichomes with vacuolated cells and narrowed toward ends
Parent Sample	n.d.	**Macroscopic growth features**	color: yellowish-green; growing homogeneously
Isolation Date	1999	**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation, buoyancy
Taxonomy Notes		**Notes on ecophysiological traits**	non-CYN producing strain
Accession Number(s)_16S	HQ407322	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)	HQ407331 (rpoC1), HQ407341 (16S-23S rRNA ITS, longer spacer), HQ407354 (16S-23S rRNA ITS, shorter spacer)	**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1999	**Preservation type**	subculturing
Location	Portugal: Ardila river	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Saker et al. (2003) Ecotox. Environ. Safe. 55, 243–250; Saker et al. (2004) Limnetica 23(1-2), 145-152; Berry et al. (2009) Toxicon 53, 289–299; Leão et al. (2009) Eur. J. Phycol. 44, 347-355; Moreira et al. (2011) Curr. Microbiol. 62 (5), 1590-1595		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

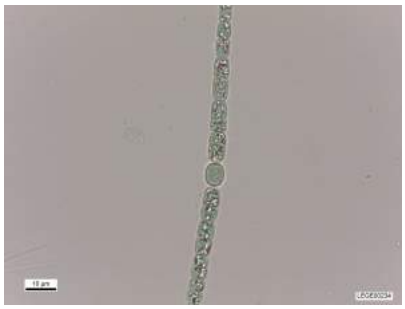
Strain ID	**Cylindrospermopsis raciborskii LEGE 99045**		
Strain Taxonomy	Cylindrospermopsis raciborskii (Woloszynska) Seenayya, G & Subba Raju, N (1972)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	
Other Code(s)	Marau, Marau 1	**Taxonomic notes/diacritical features**	
Parent Sample	n.d.	**Macroscopic growth features**	color: yellowish-green; growing homogeneously
Isolation Date	1999	**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation, buoyancy
Taxonomy Notes		**Notes on ecophysiological traits**	non-CYN producing strain (by HPLC); toxic by mouse bioassay
Accession Number(s)_16S	AF516739	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene/region)	HQ407333 (rpoC1), HQ407343 (16S-23S rRNA ITS, longer spacer), HQ407356 (16S-23S rRNA ITS, shorter spacer)	**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1999	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Avis	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Neilan et al. (2003) Mol. Ecol. 12 (1), 133-140; Berry et al. (2009) Toxicon 53, 289–299; Leão et al. (2009) Eur. J. Phycol. 44, 347-355; Leão et al. (2010) Proc. Natl. Acad. Sci. U.S.A. 107 (25), 11183-11188.; Moreira et al. (2011) Curr. Microbiol. 62 (5), 1590-1595		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

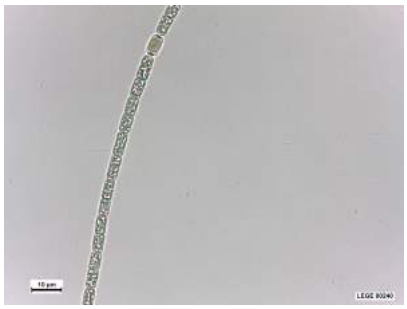
Strain ID	**Cylindrospermopsis raciborskii LEGE 99048**		
Strain Taxonomy	Cylindrospermopsis raciborskii (Woloszynska) Seenayya, G & Subba Raju, N (1972)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,8±0,4 × 8,4±3,5 (Cells); 1,9±0,4 × 4,5±0,3 (Heterocytes)
Other Code(s)	4899 Osc	**Taxonomic notes/diacritical features**	conical-rounded terminal Heterocytes; with sheath
Parent Sample		**Macroscopic growth features**	color: yellowish-green; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951711	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1999	**Preservation type**	subculturing
Location	Portugal: Ardila river	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Desmonostoc muscorum LEGE 12446**		
Strain Taxonomy	Desmonostoc muscorum (Agardh ex Bornet & Flahault) Hrouzel, P & Ventura, S in Hrouzel et al (2013)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,8±0,6 × 4,5±0,9 (Cells); 6,1±1,5 × 3,6±0,4 (Heterocytes); 7,0 × 4,7 (Akinetes)
Other Code(s)	CR1	**Taxonomic notes/diacritical features**	terminal or intercalar heterocytes; with akinetes
Parent Sample		**Macroscopic growth features**	color: yellowish-green; growing homogeneously; mucilaginous
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Cycas revoluta)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951712	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Botanical Garden of the University of Coimbra	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.20622 N 8.421698 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

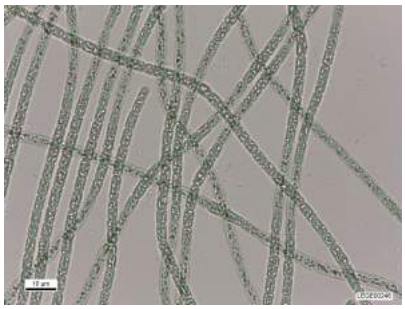
Strain ID	**Dolichospermum flosaquae LEGE 02268**		
Strain Taxonomy	Dolichospermum flosaquae (Brébisson ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	8,5±0,3 × 8,1±1,2 (Cells); Ø 9,8±0,7 (Heterocytes); 12,7±0,5 × 15,2±5,0 (akinetes)
Other Code(s)	J61, LEANJ.61	**Taxonomic notes/diacritical features**	highly curved or coiled trichomes; with oval akinetes
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	akinetes production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951713	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2002/07/25	**Preservation type**	subculturing
Location	Portugal: Cansado, Montargil	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

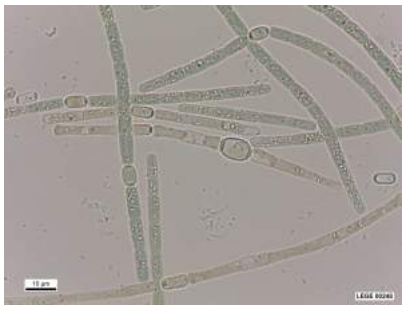
Strain ID	**Dolichospermum flosaquae LEGE 04289**		
Strain Taxonomy	Dolichospermum flosaquae (Brébisson ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 9,7±1,0 (Cells); 15,8±5,7 × 29,6±11,6 (Akinetes)
Other Code(s)	J83, LEANJ.83	**Taxonomic notes/diacritical features**	highly curved or coiled trichomes
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	ANTX-a producing strain
Accession Number(s)_16S	KU951714	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Osswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2004/07/13	**Preservation type**	subculturing
Location	Portugal: Marco de Canaveses	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2007) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Chaves R. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

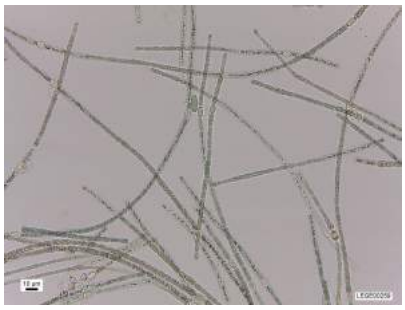
Strain ID	**Dolichospermum sp. LEGE 00234**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,8±1,2 × 5,5±1,5 (Cells); 5,4±0,6 × 6,2±1,0 (Heterocytes); 4,7±0,7 × 20,4±2,4 (akinetes)
Other Code(s)	J3, LEANJ.3	**Taxonomic notes/diacritical features**	highly vacuolated trichomes, causing bright refractive cells; with akinetes
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	non-ANTX-a producing strain
Accession Number(s)_16S	KU951715	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Fraga et al. (2014) Anal. Chim. Acta 850, 57-64; Sanchez et al. (2014) Toxins 6, 402-415		
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Dolichospermum sp. LEGE 00240**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,3±0,3 × 7,9±3,9 (Cells); 4,4±0,9 × 6,0±0,6 (Heterocytes); 4,6±1,1 × 27,0±4,2 (akinetes)
Other Code(s)	J12, LEANJ.12	**Taxonomic notes/diacritical features**	highly vacuolated trichomes, causing bright refractive cells; with akinetes
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	ANTX-a producing strain
Accession Number(s)_16S	KU951716	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, campsite at Avis	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Osswald J. (2007) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

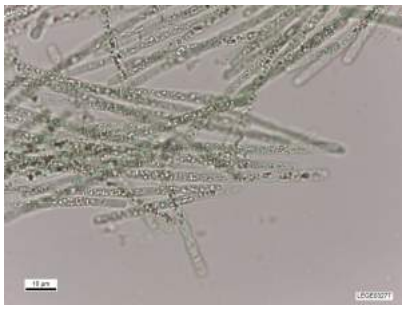
Strain ID	**Dolichospermum sp. LEGE 00241**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,0±0,6 × 5,4±0,9 (Cells); 4,6±0,3 × 8,0±1,9 (Heterocytes); 4,0±1,1 × 9,9±3,7 (akinetes)
Other Code(s)	J14, LEANJ.14	**Taxonomic notes/diacritical features**	highly vacuolated trichomes, causing bright refractive cells; with akinetes
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	ANTX-a producing strain
Accession Number(s)_16S	KU951717	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Maranhão dam reservoir, campsite at Avis	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Osswald J. (2007) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Chaves R. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

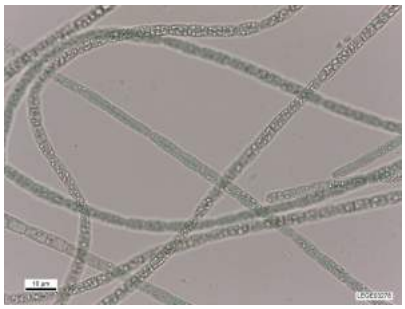
Strain ID	**Dolichospermum sp. LEGE 00246**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,9±0,3 × 4,9±0,8
Other Code(s)	J19, LEANJ.19	**Taxonomic notes/diacritical features**	highly vacuolated trichomes, causing bright refractive cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951718	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Chaves R. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

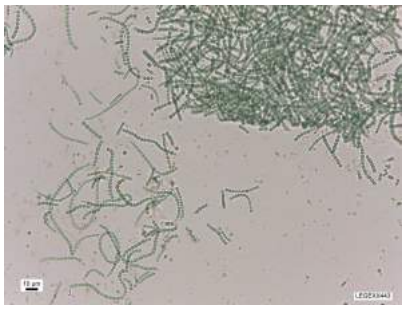
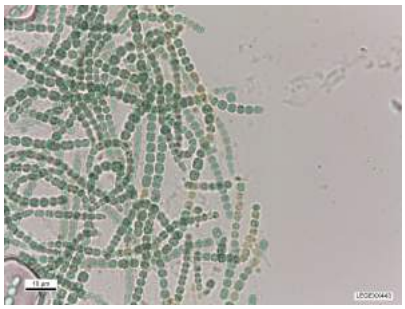
Strain ID	**Dolichospermum sp. LEGE 00248**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,7±0,5 × 6,4±1,2 (Cells); 3,7±0,6 × 6,4±1,0 (Heterocytes)
Other Code(s)	J21, LEANJ.21	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951719	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Chaves R. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

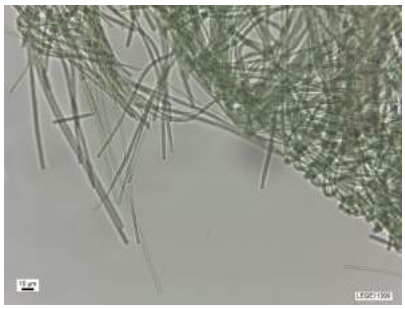
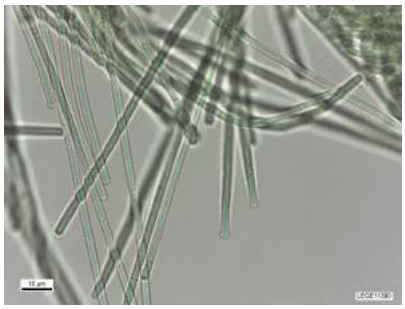
Strain ID	**Dolichospermum sp. LEGE 00259**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,8±0,8 × 7,1±2,1 (cells); 4,7±1,4 × 5,5±0,8 (heterocytes); 5,2±0,4 × 23,0±9,0 (akinetes)
Other Code(s)	J46, LEANJ.46	**Taxonomic notes/diacritical features**	highly vacuolated trichomes, causing bright refractive cells; with akinetes
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	ANTX-a producing strain
Accession Number(s)_16S	KU951720	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila	**Light:dark cycle**	14:10-h
Latitude & Longitude	unknown	**Temperature (ºC)**	25
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Osswald J. (2007) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Chaves R. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

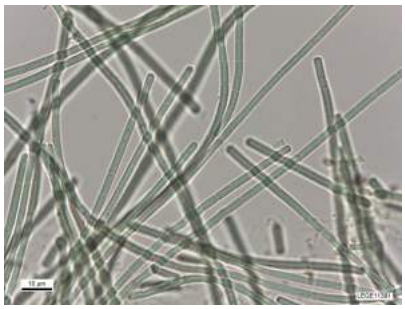
Strain ID	**Dolichospermum sp. LEGE 00263**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,3±1,0 × 8,7±2,9 (Cells); 5,1±1,0 × 9,5±0,5 (heterocytes)
Other Code(s)	J53, LEANJ.53	**Taxonomic notes/diacritical features**	vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951721	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

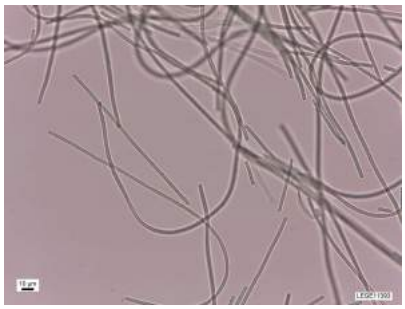
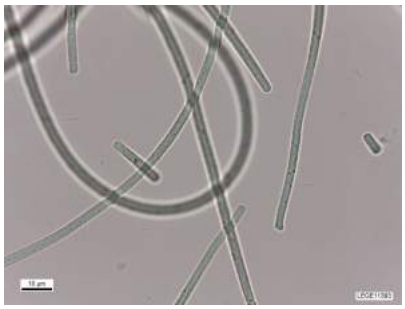
Strain ID	**Dolichospermum sp. LEGE 03277**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,6±0,5 × 6,0±2,0
Other Code(s)	J73, LEANJ.73	**Taxonomic notes/diacritical features**	vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample, dam reservoir
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	non-ANTX-a producing strain
Accession Number(s)_16S	KU951722	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2003/10/29	**Preservation type**	subculturing
Location	Portugal: Crestuma-Lever reservoir	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

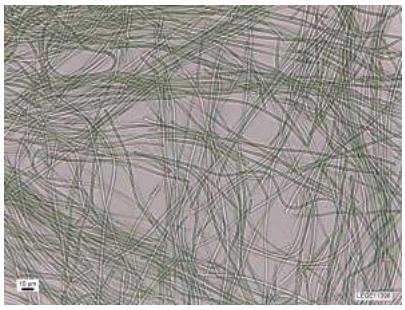
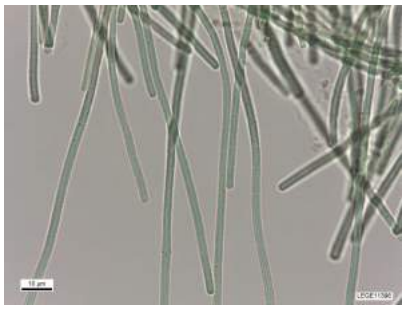
Strain ID	**Dolichospermum sp. LEGE 03278**		
Strain Taxonomy	Dolichospermum (Ralfs ex Bornet & Flahault) Wacklin, P; Hoffmann, L & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,1±0,6 × 5,6±1,3
Other Code(s)	J74, LEANJ.74	**Taxonomic notes/diacritical features**	vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample, dam reservoir
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951723	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2003/10/29	**Preservation type**	subculturing
Location	Portugal: Crestuma-Lever reservoir	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355; Leão et al. (2010) Proc. Natl. Acad. Sci. U.S.A. 107 (25), 11183-11188		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

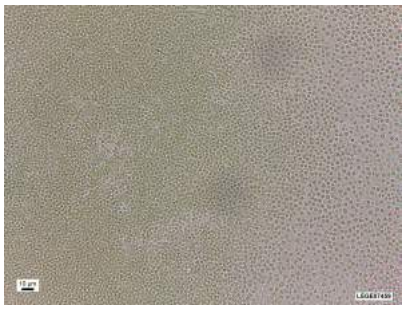
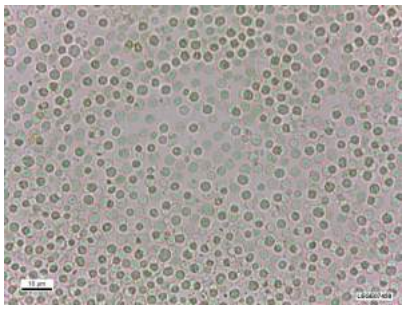
Strain ID	**Fortiea sp. LEGE XX443**		
Strain Taxonomy	Fortiea De Toni, G (1936)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,4±0,4 × 2,5±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes highly constricted at cross-walls; some conical-rounded terminal cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951724	**Isolator**	unknown
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	unknown	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

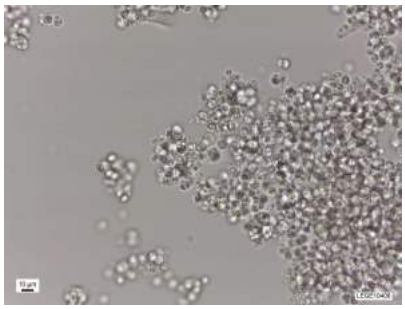
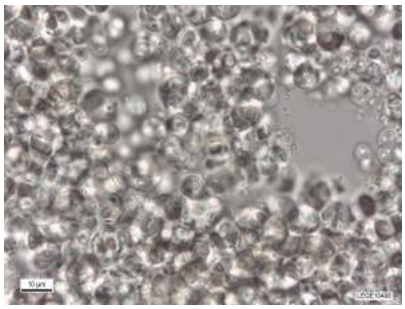
Strain ID	**Geitlerinema sp. LEGE 11390**		
Strain Taxonomy	Geitlerinema (Anagnostidis & Komárek) Anagnostidis, K (1989)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,1±0,2 × 7,6±1,6
Other Code(s)		**Taxonomic notes/diacritical features**	gliding motility
Parent Sample	EB1-1-ABAAA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	Synechococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951725	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Frederico Sobrinho/Sinda Carvalhal	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	9-Feb-2011	**Preservation type**	subculturing
Location	Brazil: Araruama (main) lagoon, in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	22.94333 S 42.10056 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

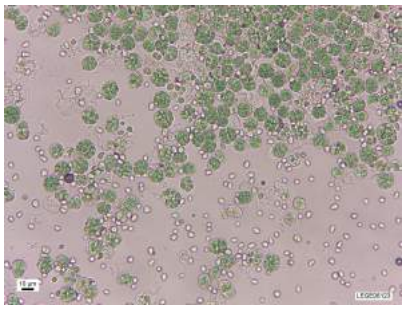
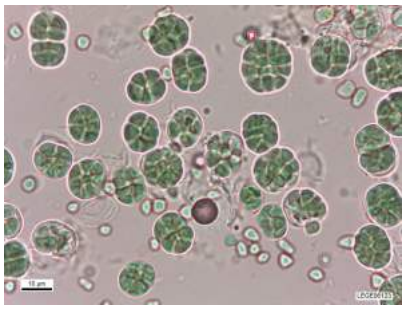
Strain ID	**Geitlerinema sp. LEGE 11391**		
Strain Taxonomy	Geitlerinema (Anagnostidis & Komárek) Anagnostidis, K (1989)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,2±0,3 × 6,8±1,7
Other Code(s)		**Taxonomic notes/diacritical features**	gliding motility
Parent Sample	EB1-3-ECAA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	Synechococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951726	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Frederico Sobrinho/Sinda Carvalhal	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	9-Feb-2011	**Preservation type**	subculturing
Location	Brazil: Araruama (main) lagoon, in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	22.94333 S 42.10056 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

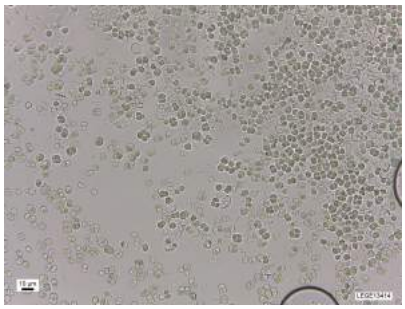
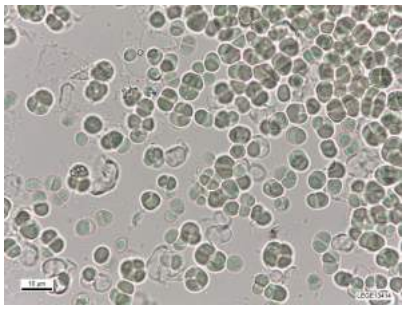
Strain ID	**Geitlerinema sp. LEGE 11393**		
Strain Taxonomy	Geitlerinema (Anagnostidis & Komárek) Anagnostidis, K (1989)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,6±0,3 × 3,9±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	gliding motility
Parent Sample	EB5-1-DAAA (EB5=EB2)	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	Synechococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951727	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Frederico Sobrinho/Sinda Carvalhal	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	9-Feb-2011	**Preservation type**	subculturing
Location	Brazil: Pernambuco lagoon (Araruama system), in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	22.93056 S 42.32389 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

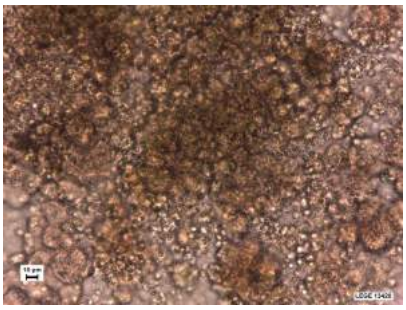
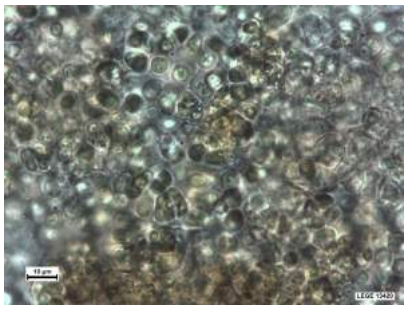
Strain ID	**Geitlerinema sp. LEGE 11396**		
Strain Taxonomy	Geitlerinema (Anagnostidis & Komárek) Anagnostidis, K (1989)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,2±0,5 × 6,7±1,8
Other Code(s)		**Taxonomic notes/diacritical features**	gliding motility
Parent Sample	EB1-3-EB1A	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	Synechococcales*	**Ecophysiological traits**	
Taxonomy Notes	*inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951728	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Frederico Sobrinho/Sinda Carvalhal	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	9-Feb-2011	**Preservation type**	subculturing
Location	Brazil: Araruama (main) lagoon, in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	22.94333 S 42.10056 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

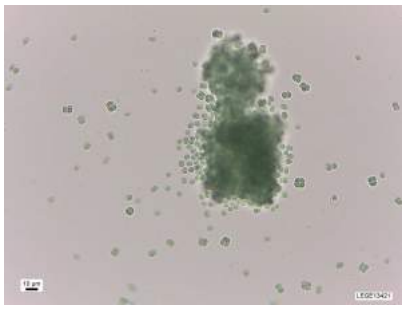
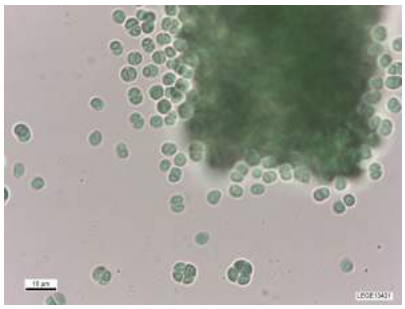
Strain ID	**Geminobacterium atlanticum LEGE 07459**		
Strain Taxonomy	Geminobacterium atlanticum Ramos, V; Brito, A & Kaštovský, J in Brito et al (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,4±0,4
Other Code(s)	LEAN 075.2	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 MAR 4 - p96, dil. 1/16	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a Patella sp. shell
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes	This is the Type strain of Geminobacterium atlanticum Ramos, Brito et Kaštovský gen. nov., sp. nov.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951882	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KR676352 (16S rRNA, 16S-23S rRNA ITS, 23S rRNA)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2017) Mol. Phylog. Evol. doi:10.1016/j.ympev.2017.03.006		
References Publicly Available Theses			

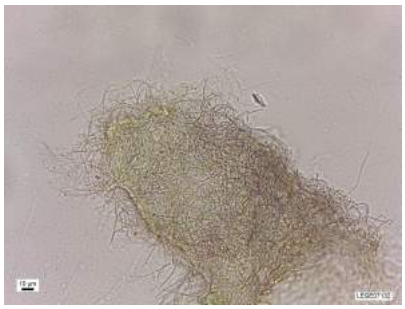
Strain ID	**Gloeocapsa-like sp. LEGE 10406**		
Strain Taxonomy	Gloeocapsa Kützing, FT (1843)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,6±0,6 (more or less spherical cells)
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	S9-BA	**Macroscopic growth features**	color: brownish; forming aggregates, mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	capsules
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/04/01	**Preservation type**	subculturing
Location	Portugal: Selvagens Islands	**Light:dark cycle**	14:10-h
Latitude & Longitude	30.03458 N 16.03267 W	**Temperature (ºC)**	25
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

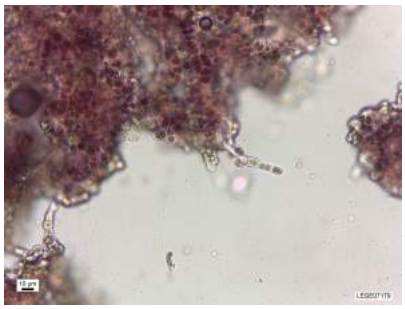
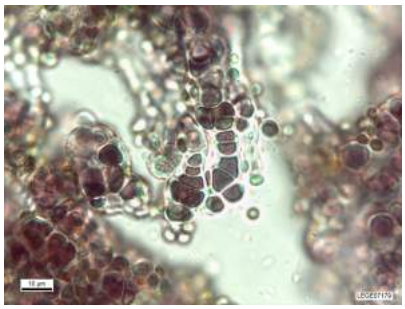
Strain ID	**Gloeocapsopsis crepidinum LEGE 06123**		
Strain Taxonomy	Gloeocapsopsis crepidinum (Thuret) Geitler, L ex Komárek, J (1993)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	CCAP 1425/1	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,0±0,4 (Cells); Ø 11,2±0,5 (Group of 6-7 cells)
Other Code(s)	LEAN 026	**Taxonomic notes/diacritical features**	cells with irregular forms; daughter cells released by disruption of mother cell envelope; cell ultrastructure data available
Parent Sample	O.06 LUZ 3 - BAFA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date	2007/06/12	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on green algae
Order 2014 (Modern Taxonomy)	Chroococcidiopsidales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	FJ589716	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	GU597364 (nifH), FJ536846 (nifK), FJ536848 (cpcA-IGS-cpcB), FJ589716 (16S-ITS-23S rRNA), KC813188, KC813189 (non-ribosomal peptide synthetase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Ramos et al. (2010) Eur. J. Phycol. 45, 394-403; Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

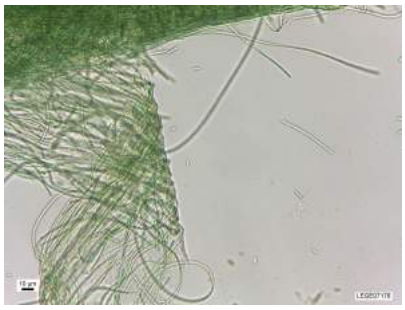
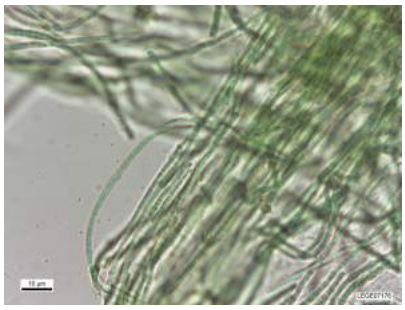
Strain ID	**Gloeocapsopsis sp. LEGE 13414**		
Strain Taxonomy	Gloeocapsopsis Geitler, L ex Komárek, J (1993)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,2± 0,6 (Cells) ; Ø 6,3±0,6 (Group of 4 cells)
Other Code(s)		**Taxonomic notes/diacritical features**	small colonies; with sheath
Parent Sample	S6C sal	**Macroscopic growth features**	color: greenish; forming aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	"Spirulina" dietary supplements, capsules form. Producer/brand: Solaray
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

Strain ID	**Gloeocapsopsis sp. LEGE 13420**		
Strain Taxonomy	Gloeocapsopsis Geitler, L ex Komárek, J (1993)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,2±0,4 (more or less spherical cells)
Other Code(s)	S4C	**Taxonomic notes/diacritical features**	with sheath
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	"Spirulina" dietary supplements, tablet form. Producer/brand: Marcus Rohrer
Order 2014 (Modern Taxonomy)	Chroococcidiopsidales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951729	**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial, delicate
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

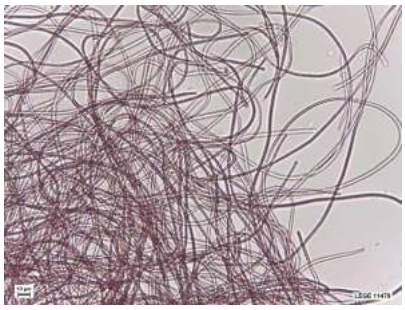
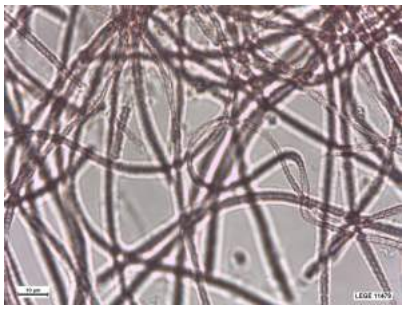
Strain ID	**Gloeocapsopsis sp. LEGE 13421**		
Strain Taxonomy	Gloeocapsopsis Geitler, L ex Komárek, J (1993)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,6±0,4 (more or less spherical cells)
Other Code(s)	S5C	**Taxonomic notes/diacritical features**	with sheath
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	"Spirulina" dietary supplements, tablet form. Producer/brand: Biover
Order 2014 (Modern Taxonomy)	Chroococcidiopsidales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951730	**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

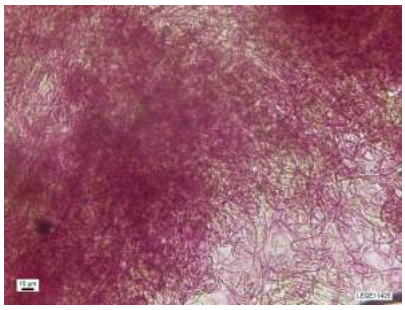
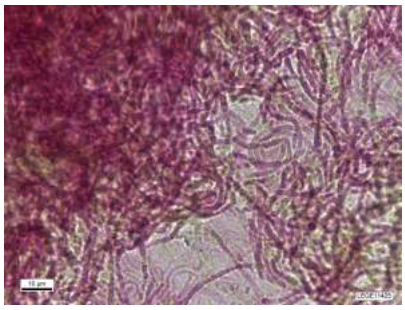
Strain ID	**Halomicronema cf. metazoicum LEGE 07132**		
Strain Taxonomy	Halomicronema metazoicum Caroppo, C; Pagliara, P & Albertano, P in Caroppo et al (2012)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,3 × 1,1±0,4
Other Code(s)	LEAN 041	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 LUZ 3 - BA	**Macroscopic growth features**	color: greenish to brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock, surface scraping
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	chromatic adaptation?
Accession Number(s)_16S	HQ832944	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC256767 (dinitrogenase reductase, nifH), KC842359-KC842361 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

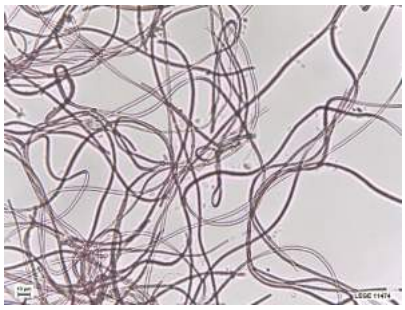
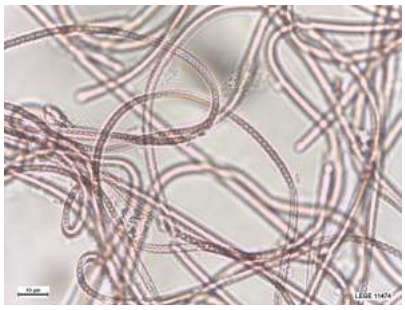
Strain ID	**Hyella patelloides LEGE 07179**		
Strain Taxonomy	Hyella patelloides Ramos, V; Brito, A & Kaštovský, J in Brito et al (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,8±1,2 × 3,0±1,2 (Cells); Sheath up to 1,2±0,4
Other Code(s)	LEAN 093	**Taxonomic notes/diacritical features**	uniseriate pseudofilaments; with sheath;
Parent Sample	P.07 MOL 4 - C	**Macroscopic growth features**	color: dark brown; forming aggregates/colonies
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a Patella sp. shell, euendolithic
Order 2014 (Modern Taxonomy)	Pleurocapsales	**Ecophysiological traits**	
Taxonomy Notes	This is the Type strain of Hyella patelloides Ramos, Brito et Kaštovský sp. nov.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832901	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC256774 (dinitrogenase reductase, nifH), KC813174 (non-ribosomal peptide synthetase), KC842291, KC842292 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/21	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Brito et al. (2015) Algal Res. 9, 218-226; Brito et al. (2017) Mol. Phylog. Evol. doi:10.1016/j.ympev.2017.03.006		
References Publicly Available Theses			

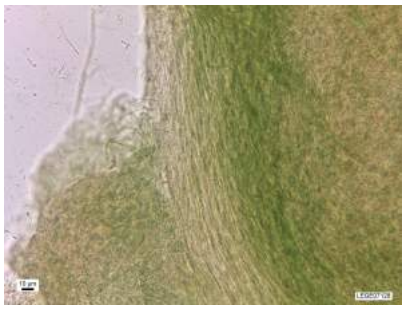
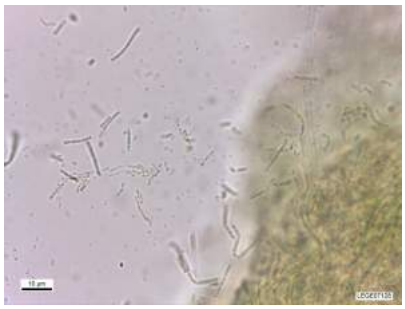
Strain ID	**Jaaginema litorale LEGE 07176**		
Strain Taxonomy	Jaaginema litorale Ramos, V; Brito, A & Kaštovský, J in Brito et al (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,2 × 2,7±0,6
Other Code(s)	LEAN 090	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 AGU 5 - BAA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	This is the Type strain of Jaaginema litorale Ramos, Brito et Kaštovský sp. nov.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832925	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842330 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/15	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226; Brito et al. (2017) Mol. Phylog. Evol. doi:10.1016/j.ympev.2017.03.006		
References Publicly Available Theses			

Strain ID	**Leptolyngbya cf. ectocarpi LEGE 11389**		
Strain Taxonomy	Leptolyngbya ectocarpi (Gomont) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,3 × 2,1±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	EB1-3-EAAA	**Macroscopic growth features**	color: brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951731	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Frederico Sobrinho/Sinda Carvalhal	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	9-Feb-2011	**Preservation type**	subculturing
Location	Brazil: Araruama (main) lagoon, in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	22.94333 S 42.10056 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

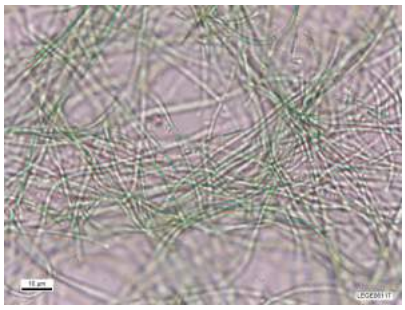
Strain ID	**Leptolyngbya cf. ectocarpi LEGE 11479**		
Strain Taxonomy	Leptolyngbya ectocarpi (Gomont) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,8±0,3 × 1,6±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	1.009.0911	**Macroscopic growth features**	color: brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (10-13m depth), less than 1 km off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951732	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: 'Pêlo Negro', diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.18557 N 8.719100 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

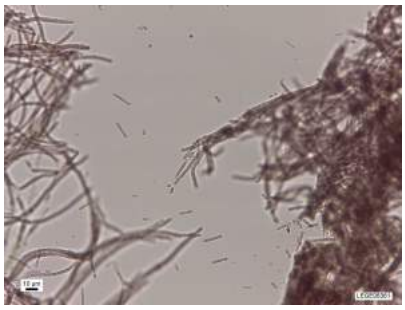
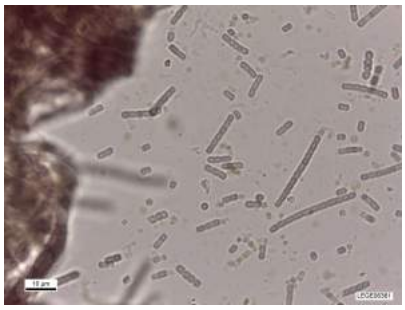
Strain ID	**Leptolyngbya ectocarpi LEGE 11425**		
Strain Taxonomy	Leptolyngbya ectocarpi (Gomont) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,1 × 2,4±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	SC-Gi-A, 8.002.0911 MN + P	**Macroscopic growth features**	color: reddish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (10-13m depth), less than 1 km off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	dehydroabietic acid production (unknown ecophysiological role)
Accession Number(s)_16S	New Seq + KT951671	**Isolator**	Sofia Costa
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: 'Pêlo Negro', diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.18557 N 8.719100 W	**Temperature (ºC)**	19
		Light intensity	5 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

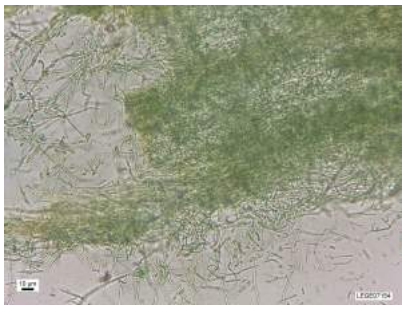
Strain ID	**Leptolyngbya ectocarpi LEGE 11474**		
Strain Taxonomy	Leptolyngbya ectocarpi (Gomont) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,9±0,3 × 1,8±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	1.009.1011	**Macroscopic growth features**	color: brownish; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951733	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

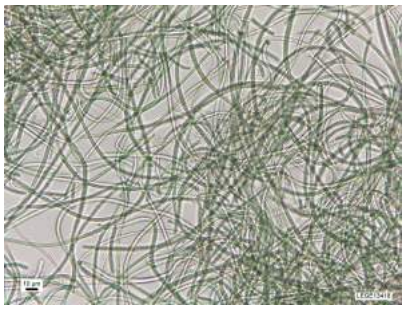
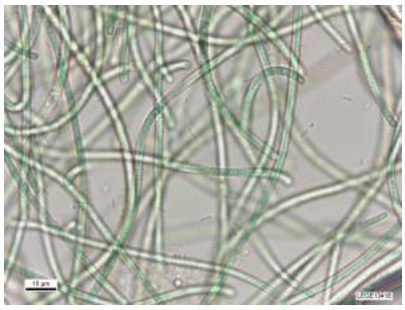
Strain ID	**Leptolyngbya minuta LEGE 07128**		
Strain Taxonomy	Leptolyngbya minuta (Lindstedt) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,2 × 1,6±0,5
Other Code(s)	LEAN 035	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 ODA 5 - BE	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, rock surface scraping
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

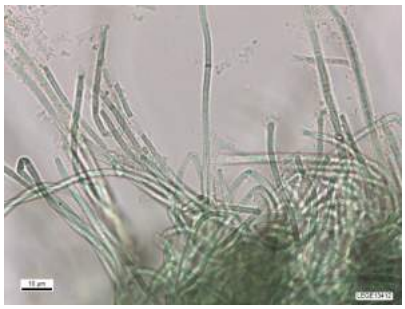
Strain ID	**Leptolyngbya saxicola LEGE 06131**		
Strain Taxonomy	Leptolyngbya saxicola (Gardner) Anagnostidis,K (2001)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 3,7±1,0
Other Code(s)	LEAN 040	**Taxonomic notes/diacritical features**	with sheath
Parent Sample	O.06 BUR 6 - EA	**Macroscopic growth features**	color: greenish to brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock, surface scraping
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	chromatic adaptation?
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/11	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

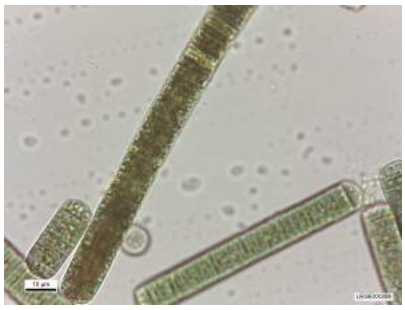
Strain ID	**Leptolyngbya sp. LEGE 06117**		
Strain Taxonomy	Leptolyngbya Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,1 × 2,7±0,5
Other Code(s)	LEAN 022	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 MAR 5 - A (II)	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	wave-exposed tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/11	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

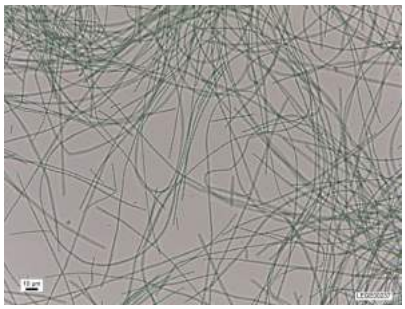
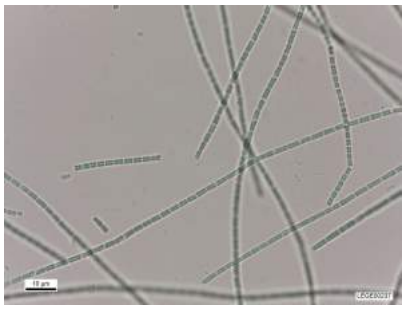
Strain ID	**Leptolyngbya sp. LEGE 06361**		
Strain Taxonomy	Leptolyngbya Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,8±0,2 × 2,5±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes slightly constricted at cross-walls; facultative sheath
Parent Sample		**Macroscopic growth features**	color: brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Oct-2006	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

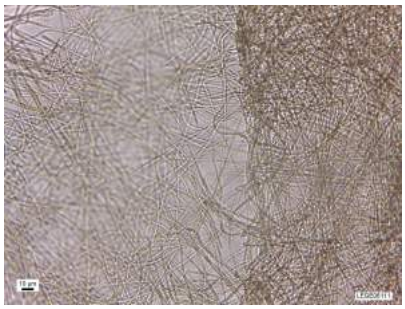
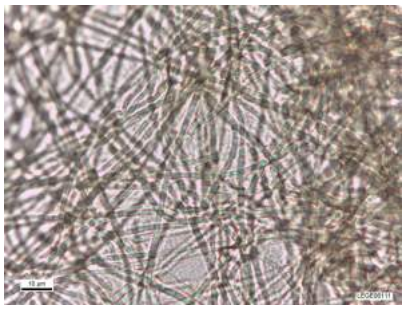
Strain ID	**Leptolyngbya sp. LEGE 07154**		
Strain Taxonomy	Leptolyngbya Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,2 × 2,1±0,3
Other Code(s)	LEAN 068	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 MAR 2 - AB	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide pool, emersed rock, surface scraping
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

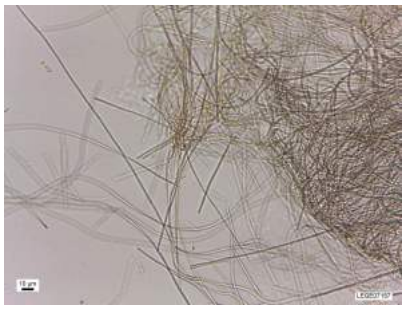
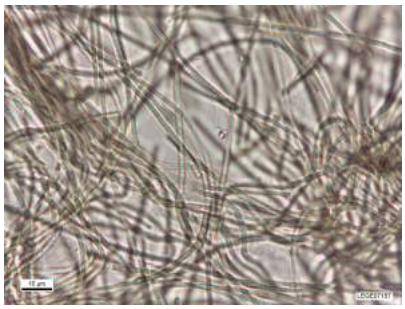
Strain ID	**Leptolyngbya sp. LEGE 13418**		
Strain Taxonomy	Leptolyngbya Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,4±0,2 × 1,4±0,3
Other Code(s)	S1F	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	"Spirulina" dietary supplements, powder form. Producer/brand: Iswari
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951734	**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

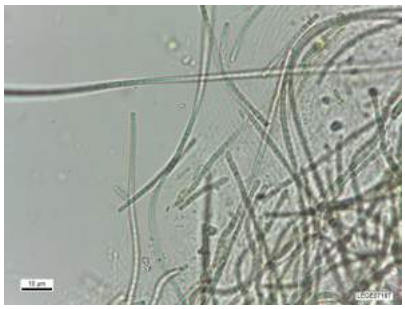
Strain ID	**Leptolyngbya-like sp. LEGE 13412**		
Strain Taxonomy	Leptolyngbya Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,7±0,3 × 2,6±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	hardly distinguished cell walls; distinguishable centro- and chromatoplasm; with sheath
Parent Sample	S1F sal	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates; mucilaginous
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	"Spirulina" dietary supplements, powder form. Producer/brand: Iswari
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

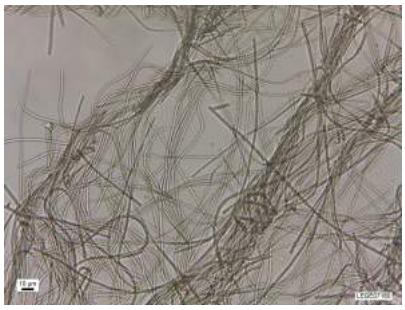
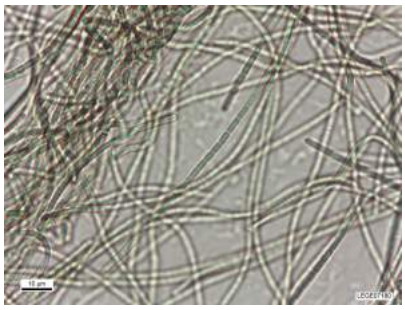
Strain ID	**Limnoraphis robusta LEGE XX358**		
Strain Taxonomy	Limnoraphis robusta (Paracutty) Komárek, J; Zapomelová, E; Smarda, J; Kopecky, J; Rejmánková, E; Woodhouse, J; Neilan, BA & Komárková, J (2013)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	11,0±1,5 × 2,0±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	straight trichomes, with necridic cells and hormogonia; with sheath
Parent Sample	Infout Osc III	**Macroscopic growth features**	color: olive green; forming a leather-like biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951735	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	unknown	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

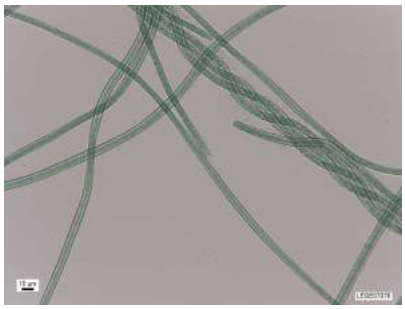
Strain ID	**Limnothrix sp. LEGE 00237**		
Strain Taxonomy	Limnothrix Meffert, E (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,2 × 3,9±1,0
Other Code(s)	J7, LEANJ.7	**Taxonomic notes/diacritical features**	distinguishable centro- and chromatoplasm
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	ANTX-a producing strain
Accession Number(s)_16S	KU951736	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/18	**Preservation type**	subculturing
Location	Portugal: Mortagua, water treatment station	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Osswald et al, 2009. Ecotoxicology 18(8): 1110-1115		
References Publicly Available Theses	Osswald J. (2007) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

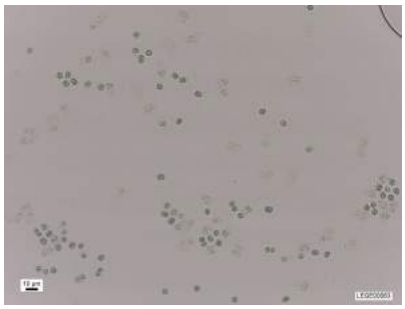
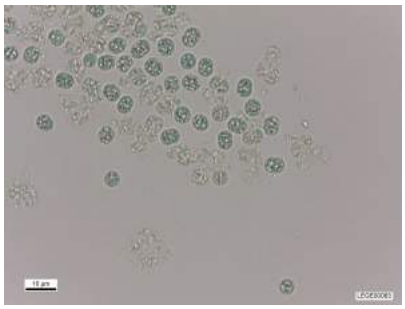
Strain ID	**Lusitaniella coriacea LEGE 06111**		
Strain Taxonomy	Lusitaniella coriacea Ramos, V; Brito, A & Kaštovský, J in Brito et al (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,7±0,2 × 3,3±0,7 (Cells); Sheath up to 1,1±0,4
Other Code(s)	LEAN 016	**Taxonomic notes/diacritical features**	often, bright refractive granules (gas vesicles?) at cell ends;
Parent Sample	O.06 MAR 5 - E (I)	**Macroscopic growth features**	color: olive green; forming a leather-like biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tidal pool, on emersed rock
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	Paratype of Lusitaniella coriacea Ramos, Brito et Kaštovský gen. nov., sp. nov.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832929	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813183 (non-ribosomal peptide synthetase), KC842337-KC842340 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/11	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226; Brito et al. (2017) Mol. Phylog. Evol. doi:10.1016/j.ympev.2017.03.006		
References Publicly Available Theses			

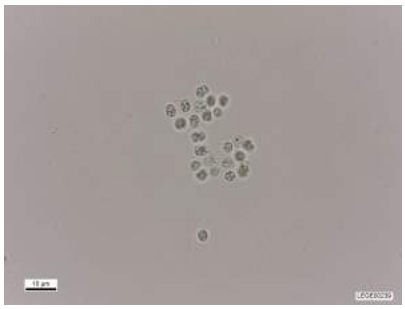
Strain ID	**Lusitaniella coriacea LEGE 07157**		
Strain Taxonomy	Lusitaniella coriacea Ramos, V; Brito, A & Kaštovský, J in Brito et al (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,6±0,2 × 3,2±0,4
Other Code(s)	LEAN 071	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 LAV 3 - ABA	**Macroscopic growth features**	color: olive green; forming a leather-like biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	Paratype of Lusitaniella coriacea Ramos, Brito et Kaštovský gen. nov., sp. nov.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832916	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/15	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Dvořák et al. (2014) Mol. Ecol. 23, 5538–5551; Brito et al. (2017) Mol. Phylog. Evol. doi:10.1016/j.ympev.2017.03.006		
References Publicly Available Theses			

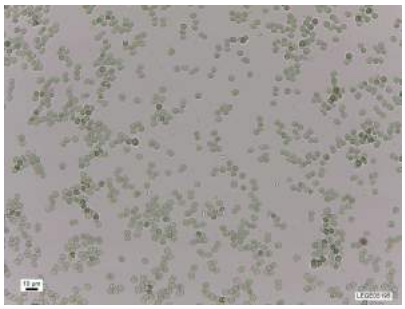
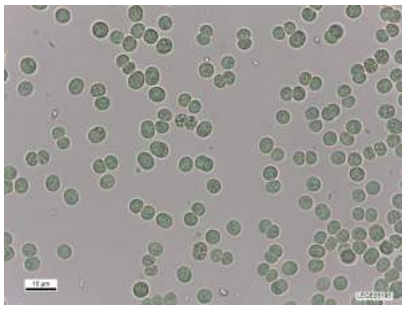
Strain ID	**Lusitaniella coriacea LEGE 07167**		
Strain Taxonomy	Lusitaniella coriacea Ramos, V; Brito, A & Kaštovský, J in Brito et al (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,6±0,2 × 3,4±0,6
Other Code(s)	LEAN 081	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 LAV 3 - FA	**Macroscopic growth features**	color: olive green; forming a leather-like biofilm
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, rock surface scraping
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes	This is the Type strain of Lusitaniella coriacea Ramos, Brito et Kaštovský gen. nov., sp. nov.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951853	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842317 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/15	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226; Brito et al. (2017) Mol. Phylog. Evol. doi:10.1016/j.ympev.2017.03.006		
References Publicly Available Theses			

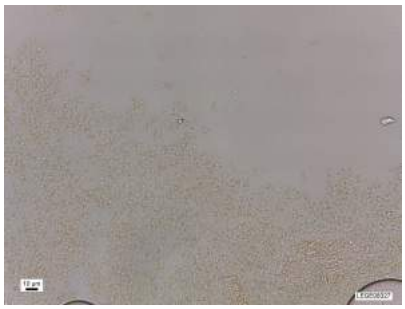
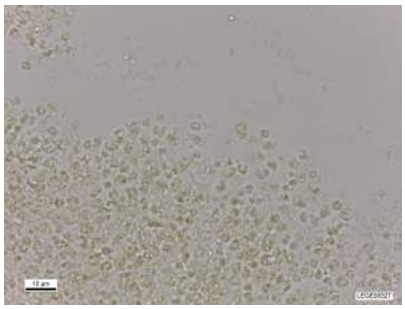
Strain ID	**Lusitaniella coriacea LEGE 07180**		
Strain Taxonomy	Lusitaniella coriacea Ramos, V; Brito, A & Kaštovský, J in Brito et al (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,9±0,2 × 2,8±0,5
Other Code(s)	LEAN 094	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 MOL 4 - AX	**Macroscopic growth features**	color: olive green; forming a leather-like biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide pool, on a submerged stone
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951855	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/21	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

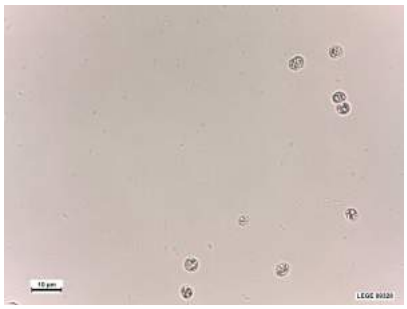
Strain ID	**Microcoleus sp. LEGE 07076**		
Strain Taxonomy	Microcoleus Desmazières ex Gomont (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,9±0,5 × 3,7±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	facultative sheath
Parent Sample	VL 255	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217081	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	May-2007	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Seixas	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.90181 N 8.813139 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

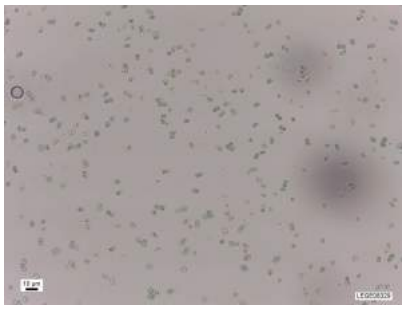
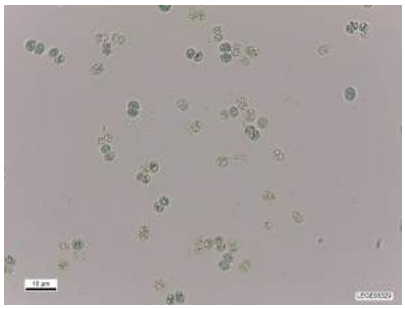
Strain ID	**Microcystis aeruginosa LEGE 00063**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,4±0,4
Other Code(s)	MG (original), M6	**Taxonomic notes/diacritical features**	vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample, pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain (MC-FR, MC-LR and MC-WR)
Accession Number(s)_16S	KU951737	**Isolator**	Carla Garcia
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Carla Garcia	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/05/16	**Preservation type**	subculturing
Location	Portugal: Lagoa de Mira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Saker et al. (2007) Appl. Microbiol. Biotechnol. 75, 441–449; Morais et al. (2008) Eur. Food Res. Technol. 227, 949–952; Fernandes et al. (2009) J. Exp. Zool. 311A, 226–230; Leão et al. (2009) Eur. J. Phycol. 44, 347-355; Martins et al. (2011) Mar. Drugs 9, 1715-1730; Fraga et al. (2014) Anal. Chim. Acta 850, 57-64		
References Publicly Available Theses	Garcia C. (2001) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Fernandes S. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Mendes R.A. (2014) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

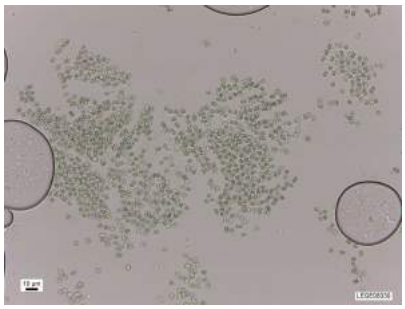
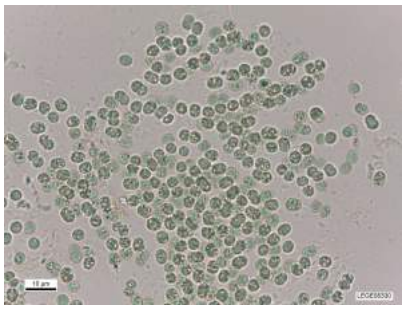
Strain ID	**Microcystis aeruginosa LEGE 00239**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,1±0,4
Other Code(s)	J11, LEANJ.11	**Taxonomic notes/diacritical features**	vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	ANTX-a (+)/(-) by MS
Accession Number(s)_16S	KU951738	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, campsite at Avis	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Osswald J. (2002) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Osswald J. (2007) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

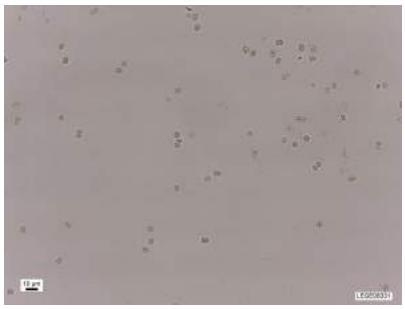
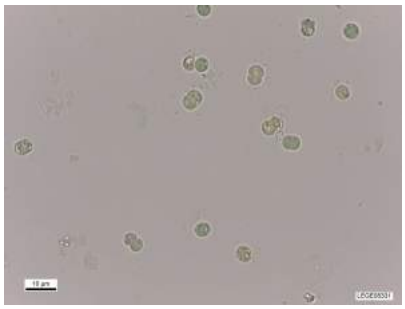
Strain ID	**Microcystis aeruginosa LEGE 05195**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,4±0,4
Other Code(s)	AM Vivo 11	**Taxonomic notes/diacritical features**	vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain (MC-LR, MC-RR, MC-YR)
Accession Number(s)_16S	KU951739	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)	KC311980 (16S-23S rRNA ITS), KC312007 (DNA gyrase subunit ß, gyrB), KC312034 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2005/10/01	**Preservation type**	subculturing
Location	Portugal: Tamega River, Amarante	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355; Martins et al. (2009) Appl. Microbiol. Biotechnol. 82, 951–961; Stoichev et al. (2010) Chem. Ecol. 26(5), 395-399; Stoichev et al. (2011) Ecotoxicol. Environ. Saf. 74, 219–224; Fraga et al. (2014) Anal. Chim. Acta 850, 57-64; de Morais et al. (2014) Water Res. 52, 63-72; de Morais et al. (2014) Aquat. Toxicol. 150, 159–164; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; de Morais P. (2015) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

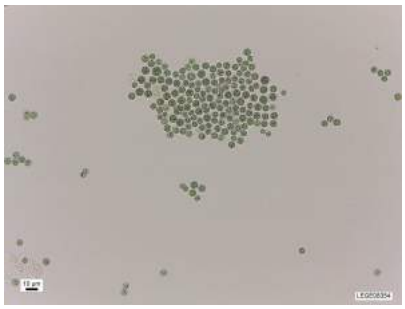
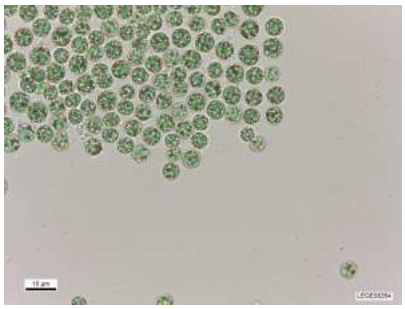
Strain ID	**Microcystis aeruginosa LEGE 08327**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,6±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates/colonies
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951740	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008	**Preservation type**	subculturing
Location	Mexico: Lake Zumpango	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

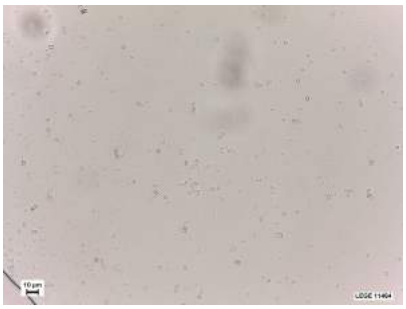
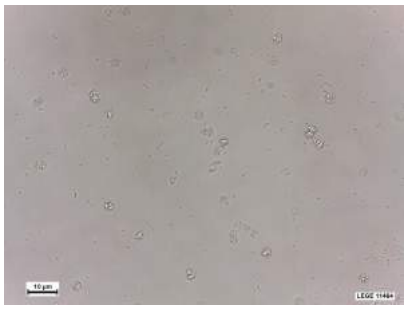
Strain ID	**Microcystis aeruginosa LEGE 08328**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,2±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: green-brownish; forming aggregates/colonies
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KF287006	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KF008261 (cyanobactin, N-terminal protease (A)), KF287031 (16S-23S rRNA ITS), KF287056 (DNA gyrase subunit ß, gyrB), KF287081 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial, delicate
Collection Date	2008	**Preservation type**	subculturing
Location	Mexico: Lake Zumpango	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916; Moreira et al. (2014) Curr. Microbiol. 69, 628–633		
References Publicly Available Theses			

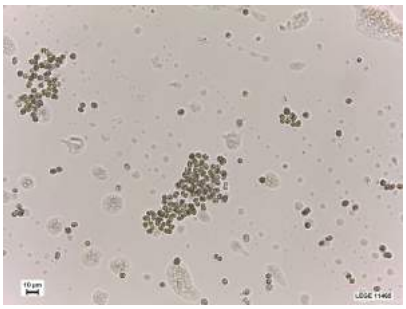
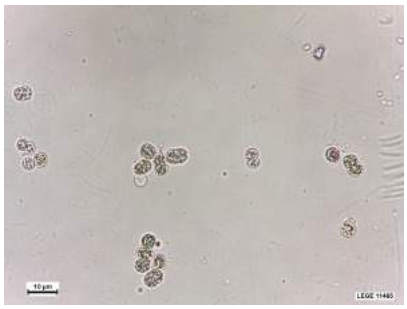
Strain ID	**Microcystis aeruginosa LEGE 08329**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,6±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KF287007	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KF287032 (16S-23S rRNA ITS), KF287057 (DNA gyrase subunit ß, gyrB), KF287082 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008	**Preservation type**	subculturing
Location	Mexico: Cuemanco, man-made channel	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Moreira et al. (2014) Curr. Microbiol. 69, 628–633		
References Publicly Available Theses			

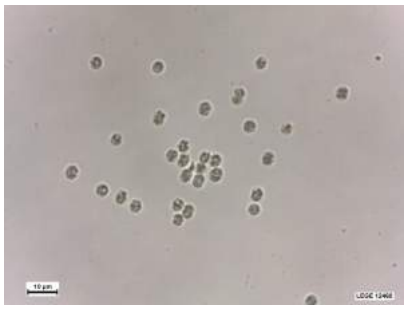
Strain ID	**Microcystis aeruginosa LEGE 08330**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,4±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	mucilaginous colonies
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KF287008	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KF287033 (16S-23S rRNA ITS), KF287058 (DNA gyrase subunit ß, gyrB), KF287083 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008	**Preservation type**	subculturing, cryopreserved
Location	Mexico: Chapultepec, artificial lake	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Moreira et al. (2014) Curr. Microbiol. 69, 628–633		
References Publicly Available Theses			

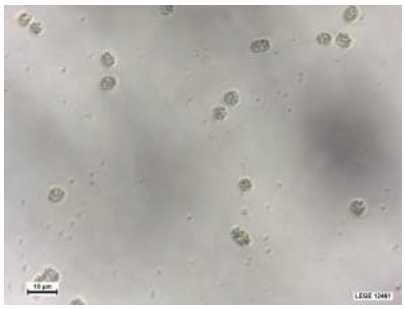
Strain ID	**Microcystis aeruginosa LEGE 08331**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,4±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC989707	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KF008264 (cyanobactin, N-terminal protease (A))	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008	**Preservation type**	subculturing
Location	Mexico: Cuemanco, man-made channel	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916		
References Publicly Available Theses			

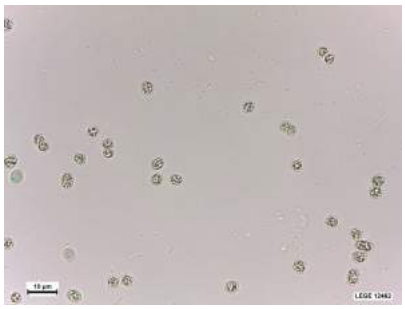
Strain ID	**Microcystis aeruginosa LEGE 08354**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 5,4±0,6
Other Code(s)	strain 9	**Taxonomic notes/diacritical features**	
Parent Sample	MMa15E	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951741	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008/10/15	**Preservation type**	subculturing
Location	Portugal: Tamega River, Marco de Canaveses	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Regueiras A. (2009) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

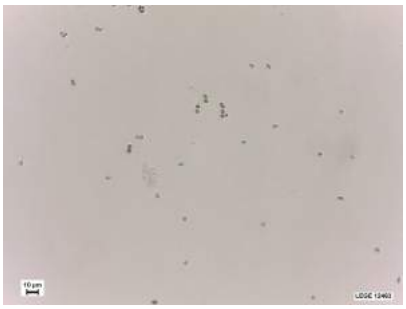
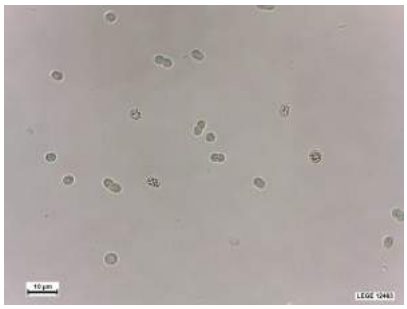
Strain ID	**Microcystis aeruginosa LEGE 11464**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,5±0,3
Other Code(s)	MGR 2.1	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano-greenish; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	bloom sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951742	**Isolator**	Cristiana Moreira
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Spyros Gkelis	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011	**Preservation type**	subculturing
Location	Greece	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Moreira et al. (2014) Curr. Microbiol. 69, 628–633		
References Publicly Available Theses			

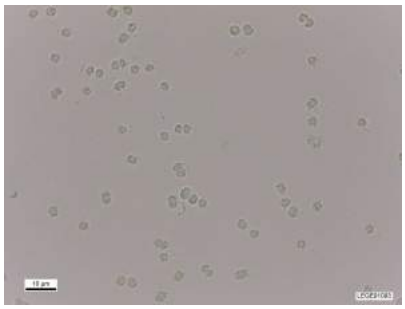
Strain ID	**Microcystis aeruginosa LEGE 11465**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,0±0,7
Other Code(s)	MGR 1.7	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano-greenish; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	bloom sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Cristiana Moreira
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Spyros Gkelis	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011	**Preservation type**	subculturing
Location	Greece	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

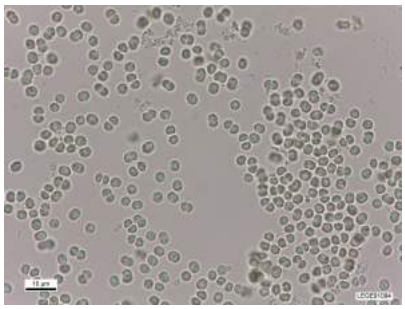
Strain ID	**Microcystis aeruginosa LEGE 12460**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,0±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	5.1 Pampulha	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	bloom sample, pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951743	**Isolator**	Cristiana Moreira
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Brazil: Lagoa da Pampulha, Belo Horizonte	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

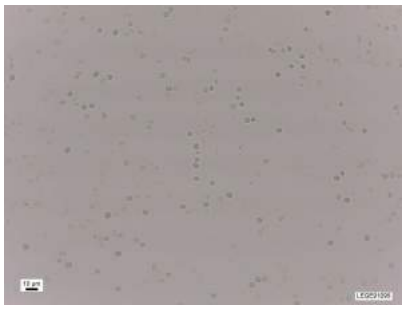
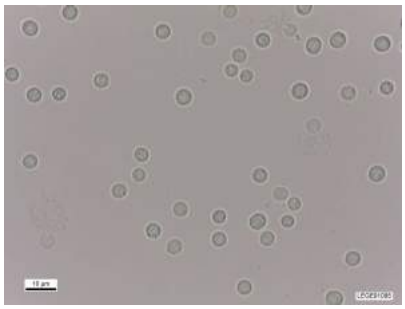
Strain ID	**Microcystis aeruginosa LEGE 12461**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,8±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	5.2 Pampulha	**Macroscopic growth features**	color: cyano-greenish; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	bloom sample, pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951744	**Isolator**	Cristiana Moreira
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Brazil: Lagoa da Pampulha, Belo Horizonte	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

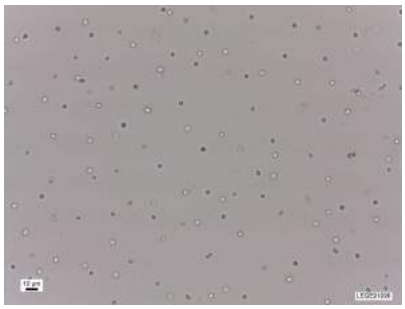
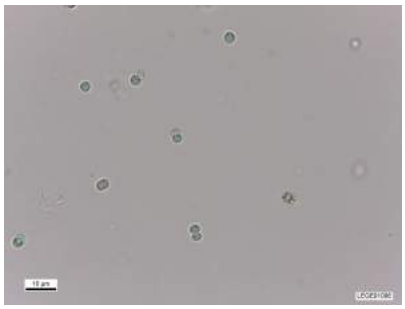
Strain ID	**Microcystis aeruginosa LEGE 12462**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,8±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	5.3 Pampulha	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	bloom sample, pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951745	**Isolator**	Cristiana Moreira
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Brazil: Lagoa da Pampulha, Belo Horizonte	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

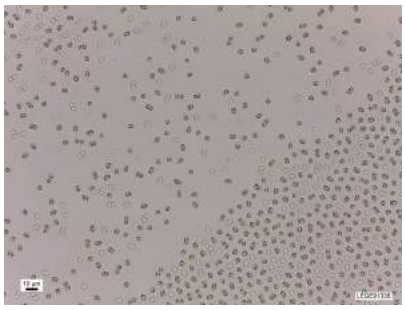
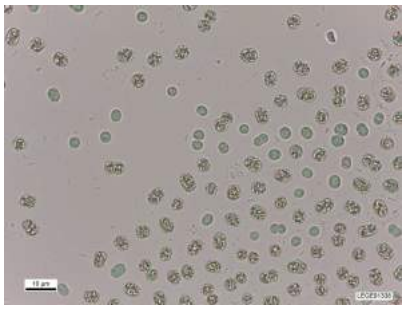
Strain ID	**Microcystis aeruginosa LEGE 12463**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,6±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	5.4 Pampulha	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	bloom sample, pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951746	**Isolator**	Cristiana Moreira
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Brazil: Lagoa da Pampulha, Belo Horizonte	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

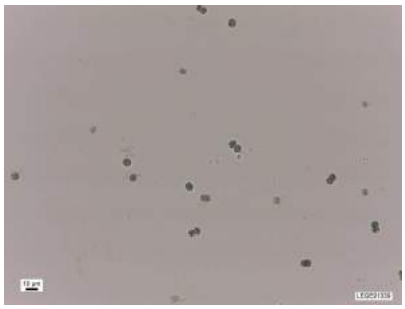
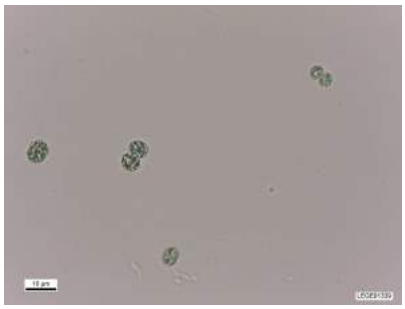
Strain ID	**Microcystis aeruginosa LEGE 91093**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,7±0,3
Other Code(s)	IZANCYA 1 , IZ1	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	coastal lagoon, water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain (MC-LR, MC-LA)
Accession Number(s)_16S		**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/04/13	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Barrinha de Mira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Jokela et al. (2010) ChemBioChem 11, 1594-1599; Devlin et al. (2013) Anal. Chim. Acta. 769, 108– 113		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

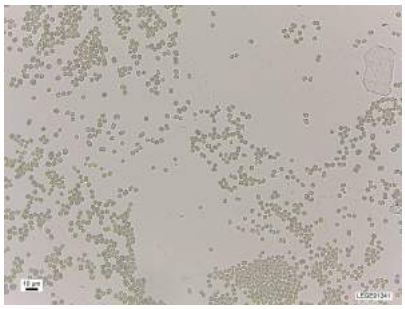
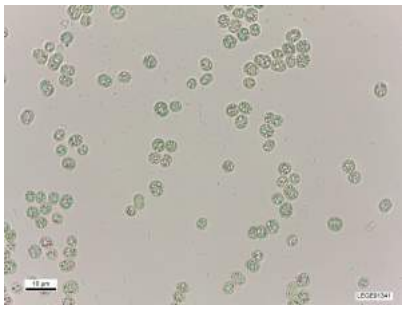
Strain ID	**Microcystis aeruginosa LEGE 91094**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,6±0,3
Other Code(s)	IZANCYA 2, IZ2	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond, water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain (MC-LR and low amounts of MC-LA and [d-Asp3]MC-LR)
Accession Number(s)_16S	KU950712	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/04/13	**Preservation type**	subculturing
Location	Portugal: Lagoa de Mira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Vasconcelos (1995) Aquat. Toxicol. 32, 227-237; Amorim & Vasconcelos (1999) Toxicon 37, 1041-1052; Vasconcelos et al. (2001) Toxicon 39, 1461-1470; Martins et al. (2009) Toxicon 53, 409–416; Pereira et al. (2009) Bull. Environ. Contam. Toxicol. 83(1), 81-84; Jokela et al. (2010) ChemBioChem 11, 1594-1599; Leão et al. (2010) Proc. Natl. Acad. Sci. U.S.A. 107 (25), 11183-11188; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Martins et al. (2011) Int. J. Mol. Sci. 12(12), 9172-9188; Campos et al. (2013) Ecotoxicol. Environ. Saf. 94, 45–53; Devlin et al. (2013) Anal. Chim. Acta. 769, 108–113; Pinheiro et al. (2013) Hydrobiologia 705(1), 27-42; Azevedo et al. (2014) Ecotoxicology 23, 107–121; Gutiérrez-Praena et al. (2014) Toxins 6, 1837-1854; Freitas et al. (2014) Food Chem. Toxicol. 66, 217-223; Carneiro et al. (2015) Toxins 7(6), 2096-2120; Freitas et al. (2015) Ecotoxicol. Environ. Saf. 116, 59-67; Freitas et al. (2015) Phytochemistry 110, 91-103; Pereira et al. (2015) Ecotoxicol. Environ. Saf. 118, 11-20; Pinho et al. (2015) Chem. Eng. J. 268, 144–152; Reis et al. (2015) Int. J. Mol. Sci. 16(4), 8397-8414; Pinheiro et al. (2016) Ecotoxicology, DOI: 10.1007/s10646-016-1633-y		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Amorim A. (1997) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Boas E. (1999) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Barros P. (2001) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Barros P. (2001) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Martins J.C. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Monteiro M.B. (2011) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Caetano C. (2014) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal; dos Santos C. (2014) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Freitas M. (2014) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Machado J. (2014) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal; Pinho L. (2014) PhD Thesis, FEUP, University of Porto, Porto, Portugal; Reis B. (2014) MSc Dissertation, FFUP, University of Porto, Porto, Portugal		

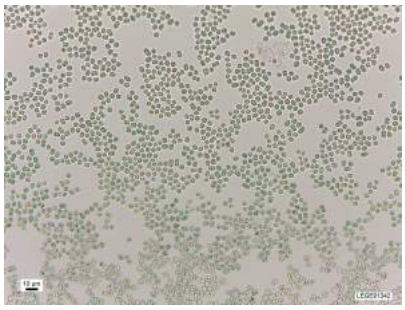
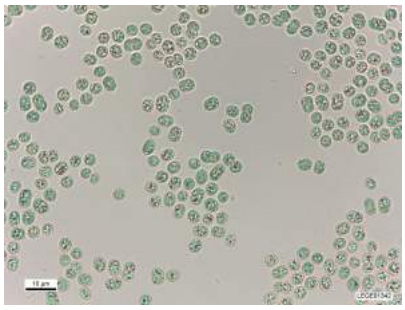
Strain ID	**Microcystis aeruginosa LEGE 91095**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,3±0,7
Other Code(s)	IZANCYA 25, IZ25	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain (MC-LR, MC-YR)
Accession Number(s)_16S	KU951747	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	AY382534 (microcystin synthetase, mcyE), KC311987 (16S-23S rRNA ITS), KC312014 (DNA gyrase subunit ß, gyrB), KC312041 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Sep-1991	**Preservation type**	subculturing
Location	Portugal: Torrão dam reservoir, Tâmega river	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Rantala et al. (2004) Proc. Natl. Acad. Sci. U.S.A. 101 (2), 568-573 (Table S1); Koskenniemi et al. (2007) Appl. Environ. Microbiol. 73, 2173–2179; Jokela et al. (2010) ChemBioChem 11, 1594-1599; Devlin et al. (2013) Anal. Chim. Acta. 769, 108– 113		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

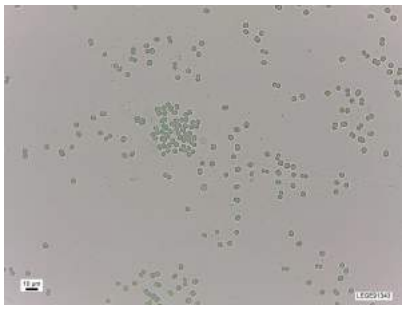
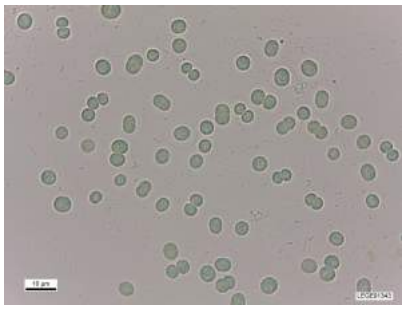
Strain ID	**Microcystis aeruginosa LEGE 91096**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,0±0,3
Other Code(s)	IZANCYA 33, IZ33	**Taxonomic notes/diacritical features**	vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond, water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain (MC-LR)
Accession Number(s)_16S		**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Sep-1991	**Preservation type**	subculturing
Location	Portugal: Picote dam reservoir, Douro river	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Pereira et al. (2009) Bull. Environ. Contam. Toxicol. 83(1), 81-84; Jokela et al. (2010) ChemBioChem 11, 1594-1599; Devlin et al. (2013) Anal. Chim. Acta. 769, 108– 113		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

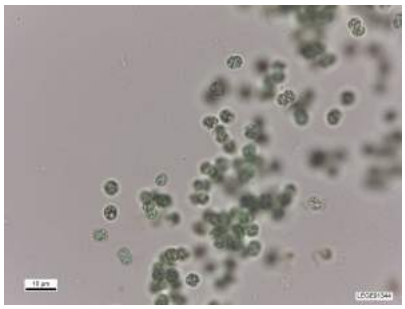
Strain ID	**Microcystis aeruginosa LEGE 91338**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	LEGE	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,8±0,5
Other Code(s)	IZANCYA 3, IZ3	**Taxonomic notes/diacritical features**	mucilaginous colonies; vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	coastal lagoon, fresh water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production, EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain ([Asp3]MC-LR, MC-LR)
Accession Number(s)_16S		**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/04/13	**Preservation type**	subculturing
Location	Portugal: Barrinha de Mira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2009) Appl. Microbiol. Biotechnol. 82, 951–961; Pereira et al. (2009) Bull. Environ. Contam. Toxicol. 83(1), 81-84; Jokela et al. (2010) ChemBioChem 11, 1594-1599		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Fernandes E. (2001) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

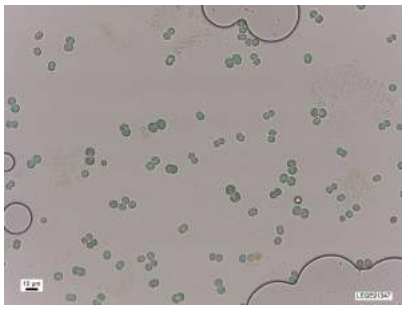
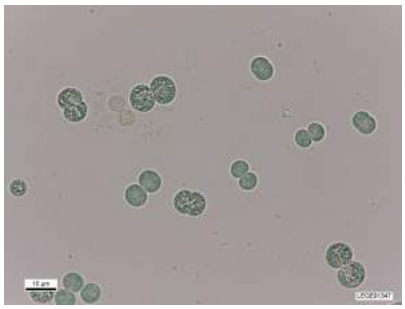
Strain ID	**Microcystis aeruginosa LEGE 91339**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	LEGE	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,7±0,9
Other Code(s)	IZANCYA, IZANCYA 5	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond, water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain (MC-LR, MC-LA, MC-AR)
Accession Number(s)_16S	KC311962	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	AJ515456 (microcystin synthetase, mcyA), AY382533 (microcystin synthetase, mcyE), FN667620 (microviridin precursor, mdnA), FN668551 (microviridin , mdnB), KC311989 (16S-23S rRNA ITS), KC312016 (DNA gyrase subunit ß, gyrB), KC312043 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/06/10	**Preservation type**	subculturing
Location	Portugal: Lagoa de Mira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Hisbergues et al. (2003) Arch. Microbiol. 180 (6), 402-410; Rantala et al. (2004) Proc. Natl. Acad. Sci. U.S.A. 101 (2), 568-573 (Table S1); Allender et al. (2009) Appl. Environ. Microbiol. 75(11), 3598-3604; Pereira et al. (2009) Bull. Environ. Contam. Toxicol. 83(1), 81-84; Ziemert et al. (2010) Appl. Environ. Microbiol. 76 (11), 3568-3574		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Ziemert N. (2009) PhD Thesis, Faculty of Mathematics and Natural Sciences, Humboldt University of Berlin, Berlin, Germany		

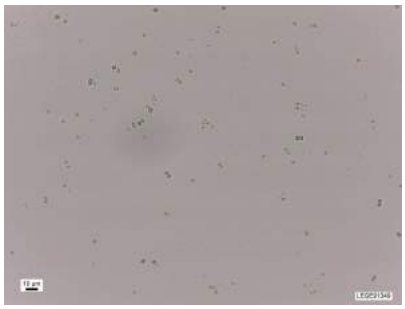
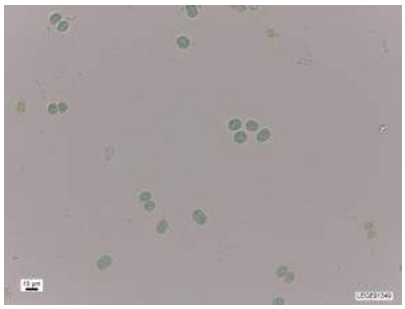
Strain ID	**Microcystis aeruginosa LEGE 91341**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,9±0,4
Other Code(s)	IZANCYA 12	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond, water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	non-MC producing strain
Accession Number(s)_16S	KC311963	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KC311990 (16S-23S rRNA ITS), KC312017 (DNA gyrase subunit ß, gyrB), KC312044 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/07/28	**Preservation type**	subculturing
Location	Portugal: Lagoa das Braças, Quiaios	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Fraga et al. (2014) Anal. Chim. Acta 850, 57-64; Moreira et al. (2014) Curr. Microbiol. 69, 628–633		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

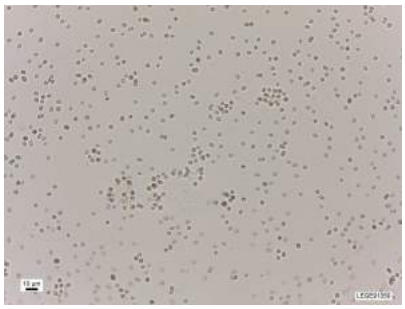
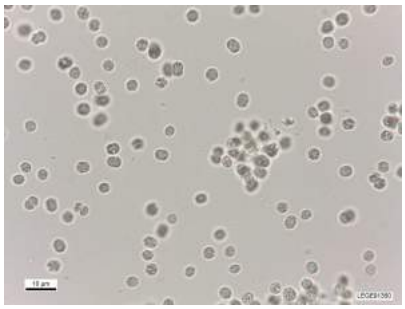
Strain ID	**Microcystis aeruginosa LEGE 91342**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,9±0,3
Other Code(s)	IZANCYA 14	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	non-MC producing strain
Accession Number(s)_16S	KC311959	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KC311986 (16S-23S rRNA ITS), KC312013 (DNA gyrase subunit ß, gyrB), KC312040 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Vilar dam reservoir, Távora river	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Moreira et al. (2014) Curr. Microbiol. 69, 628–633		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

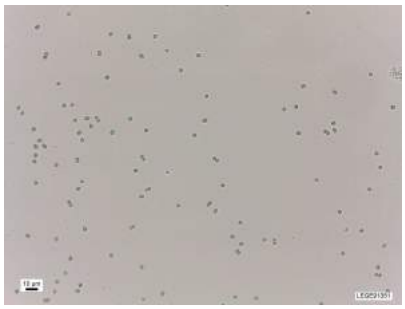
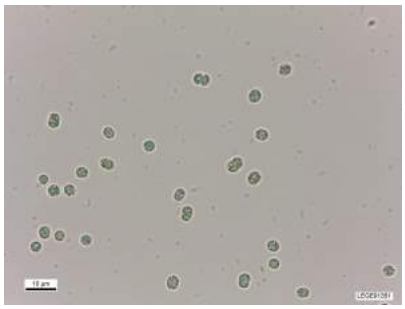
Strain ID	**Microcystis aeruginosa LEGE 91343**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,3±0,5
Other Code(s)	IZANCYA 21	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KF287005	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KF287030 (16S-23S rRNA ITS), KF287055 (DNA gyrase subunit ß, gyrB), KF287080 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Moreira et al. (2014) Curr. Microbiol. 69, 628–633		
References Publicly Available Theses			

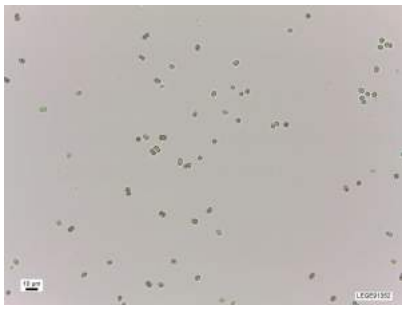
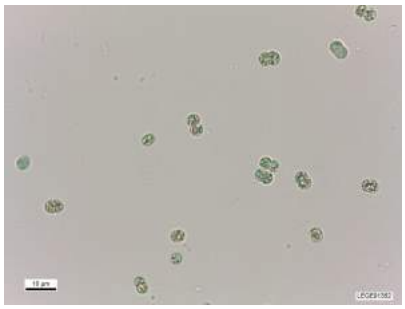
Strain ID	**Microcystis aeruginosa LEGE 91344**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,5±0,1
Other Code(s)	IZANCYA 22 , IZ22	**Taxonomic notes/diacritical features**	mucilaginous colonies
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	non-MC producing strain
Accession Number(s)_16S	KC311964	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KC311991 (16S-23S rRNA ITS), KC312018 (DNA gyrase subunit ß, gyrB), KC312045 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/09/26	**Preservation type**	subculturing
Location	Portugal: Lagoa dos Teixoeiras, Tocha	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Jokela et al. (2010) ChemBioChem 11, 1594-1599		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

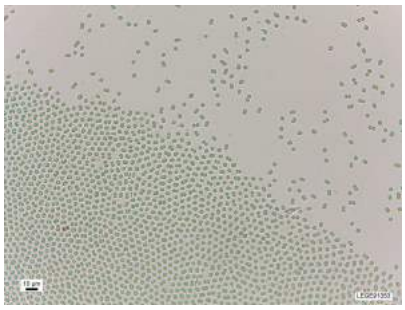
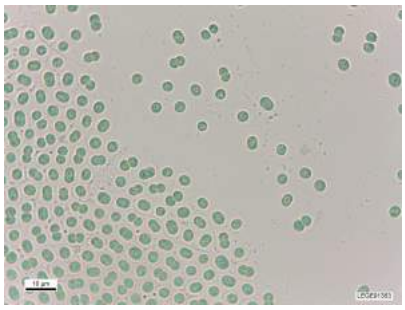
Strain ID	**Microcystis aeruginosa LEGE 91347**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 6,1±0,1
Other Code(s)	IZANCYA 31	**Taxonomic notes/diacritical features**	vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC311961	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KF008262 (cyanobactin, N-terminal protease (A)), KC311988 (16S-23S rRNA ITS), KC312015 (DNA gyrase subunit ß, gyrB), KC312042 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Sep-1991	**Preservation type**	subculturing
Location	Portugal: Bemposta dam reservoir, Douro river	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

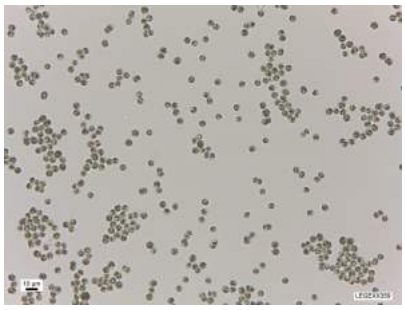
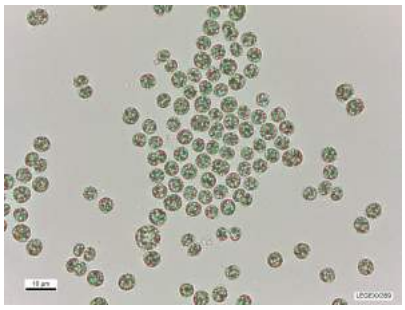
Strain ID	**Microcystis aeruginosa LEGE 91349**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,5±0,6
Other Code(s)	IZANCYA 34	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	toxin production, EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	MC producing strain (MC-LR, MC-LA)
Accession Number(s)_16S		**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

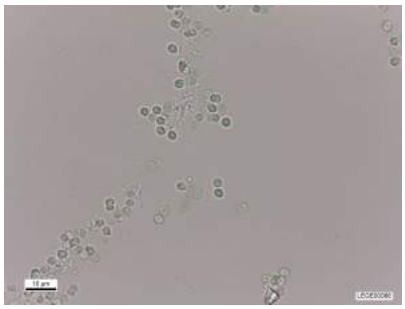
Strain ID	**Microcystis aeruginosa LEGE 91350**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,5±0,3
Other Code(s)	IZANCYA 36	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: brownish; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	non-MC producing strain
Accession Number(s)_16S		**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/10/23	**Preservation type**	subculturing
Location	Portugal: Lagoa de Mira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leikoski et al. (2012) PLoS One, 7(8), e43002		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

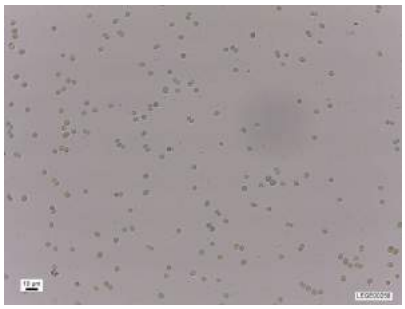
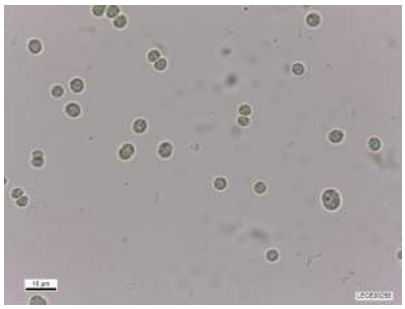
Strain ID	**Microcystis aeruginosa LEGE 91351**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,4±0,4
Other Code(s)	IZANCYA 41 , IZ41	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	non-MC producing strain
Accession Number(s)_16S	KC311966	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KF008265 (cyanobactin, N-terminal protease (A)), KC311993 (16S-23S rRNA ITS), KC312020 (DNA gyrase subunit ß, gyrB), KC312047 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/11/15	**Preservation type**	subculturing
Location	Portugal: Lagoa das Braças, Quiaios	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Pereira et al. (2009) Bull. Environ. Contam. Toxicol. 83(1), 81-84; Jokela et al. (2010) ChemBioChem 11, 1594-1599; Leikoski et al. (2012) PLoS One, 7(8), e43002; Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal; de Matos A. (2014) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

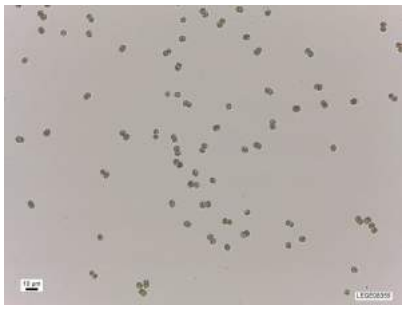
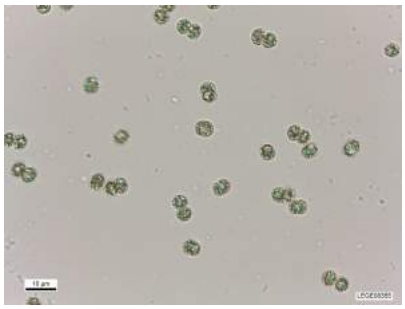
Strain ID	**Microcystis aeruginosa LEGE 91352**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,0±0,4
Other Code(s)	IZANCYA 42	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	non-MC producing strain
Accession Number(s)_16S	KC311967	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)	KC311994 (16S-23S rRNA ITS), KC312021 (DNA gyrase subunit ß, gyrB), KC312048 (cell division protein, ftsZ)	**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/11/30	**Preservation type**	subculturing
Location	Portugal: Lagoa das Braças, Quiaios	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leikoski et al. (2012) PLoS One, 7(8), e43002		
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

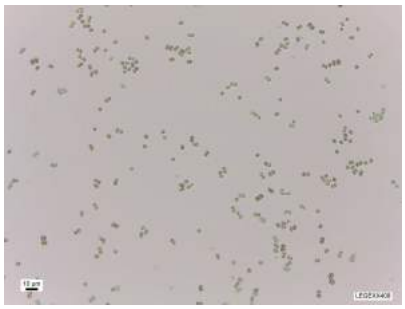
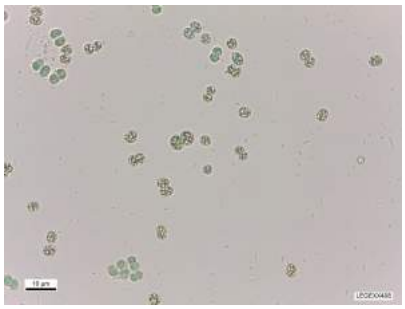
Strain ID	**Microcystis aeruginosa LEGE 91353**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,2±0,3
Other Code(s)	IZANCYA 43	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	pond
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	non-MC producing strain
Accession Number(s)_16S		**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	1991/11/30	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Lagoa das Braças, Quiaios	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vasconcelos V.M. (1995) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

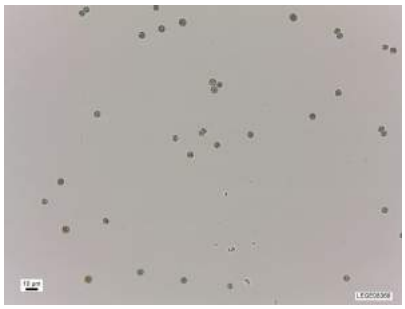
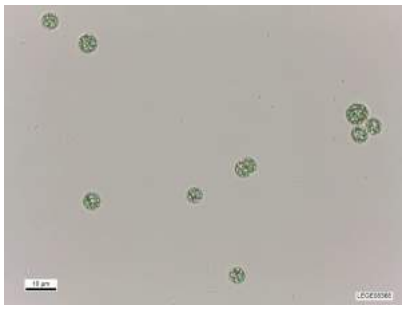
Strain ID	**Microcystis aeruginosa LEGE XX359**		
Strain Taxonomy	Microcystis aeruginosa (Kützing) Kützing, FT (1846)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,8±0,8
Other Code(s)	Marco 14	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951748	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	Portugal: Marco de Canaveses	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

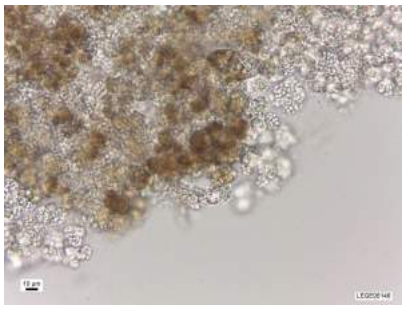
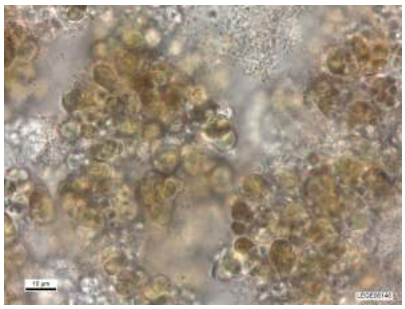
Strain ID	**Microcystis sp. LEGE 00066**		
Strain Taxonomy	Microcystis Kützing, FT ex Lemmermann, E (1907)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,3±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	Tak Mic OI	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951749	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing
Location	Morocco: Lake Takerkoust	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

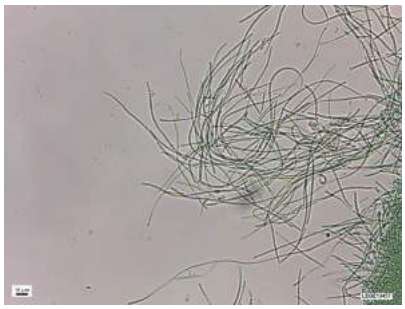
Strain ID	**Microcystis sp. LEGE 00258**		
Strain Taxonomy	Microcystis Kützing, FT ex Lemmermann, E (1907)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,7±0,5
Other Code(s)	J44, LEANJ.44	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951750	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/08/17	**Preservation type**	subculturing
Location	Portugal: Marco de Canaveses	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

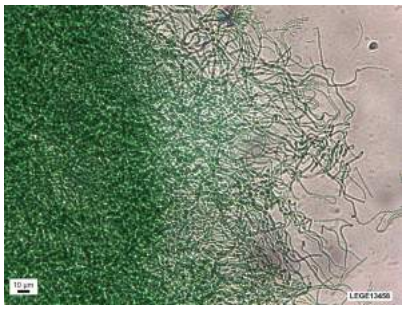
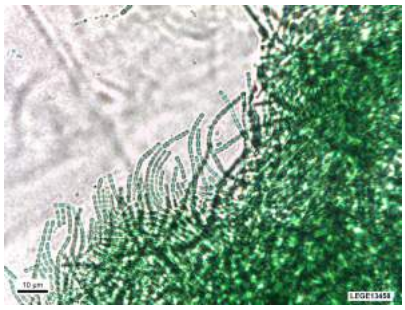
Strain ID	**Microcystis sp. LEGE 08355**		
Strain Taxonomy	Microcystis Kützing, FT ex Lemmermann, E (1907)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,9±0,4
Other Code(s)	strain 16	**Taxonomic notes/diacritical features**	
Parent Sample	TMa 15EE	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951751	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008/10/15	**Preservation type**	subculturing
Location	Portugal: Torrão reservoir	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Regueiras A. (2009) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

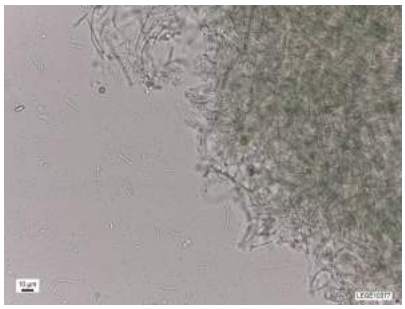
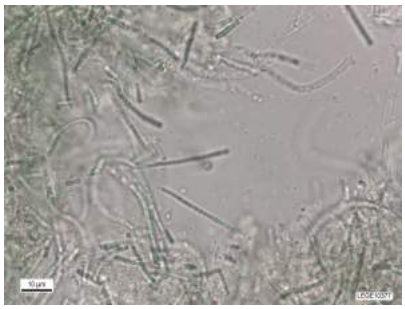
Strain ID	**Microcystis sp. LEGE XX408**		
Strain Taxonomy	Microcystis Kützing, FT ex Lemmermann, E (1907)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,4±0,6
Other Code(s)	J87	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951752	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Osswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

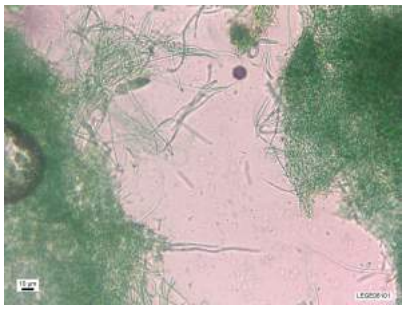
Strain ID	**Microcystis wesenbergii LEGE 08368**		
Strain Taxonomy	Microcystis wesenbergii (Komárek) Komárek, J ex Komárek, J in Kondrateva (1968)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 5,5±1,0
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951753	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

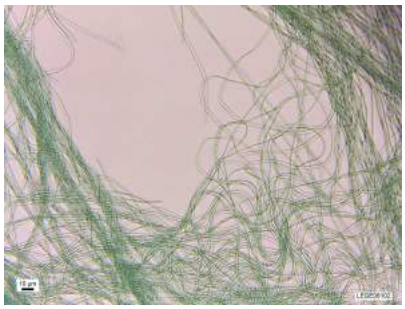
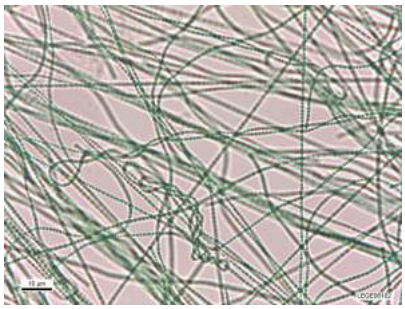
Strain ID	**Myxosarcina sp. LEGE 06146**		
Strain Taxonomy	Myxosarcina Printz, H (1921)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,4±0,7 (more or less sperical cells); Sheath up to 0,9±0,2
Other Code(s)	LEAN 059	**Taxonomic notes/diacritical features**	with sheath
Parent Sample	O.06 MOL 10 - BBA/BD-B/C	**Macroscopic growth features**	color: brownish; forming colonies
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Pleurocapsales	**Habitat Sample Description**	wave-exposed tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	Pleurocapsales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951754	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813170 (non-ribosomal peptide synthetase), KC842286-KC842288 (polyketide synthase)	**Medium**	MN and Z8 25‰ TM sea salt, w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/20	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	14:10-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	25
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

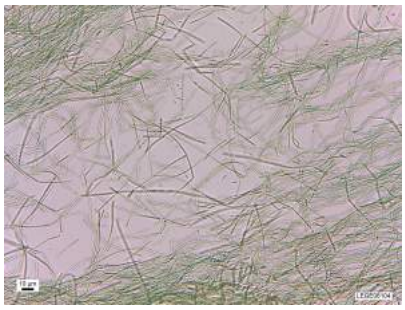
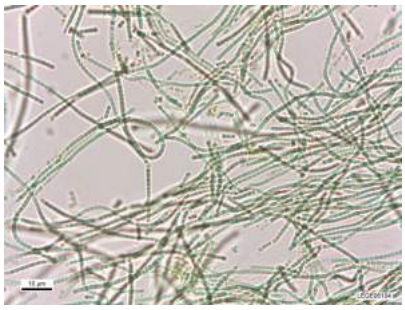
Strain ID	**Nodosilinea (Leptolyngbya) antarctica LEGE 13457**		
Strain Taxonomy	Leptolyngbya antarctica (West & West, GS) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,2 × 1,5±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls
Parent Sample	ANT#2.2 BZ	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	polar, endolithic microbial community, on a sandstone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	dehydroabietic acid production (unknown ecophysiological role)
Accession Number(s)_16S	New Seq + KT951670	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Catarina Magalhães	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	jan-2013	**Preservation type**	subculturing
Location	Antarctica: Victoria Valley, McMurdo Dry Valleys	**Light:dark cycle**	12:12-h
Latitude & Longitude	77.34183 S 161.6622 E	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

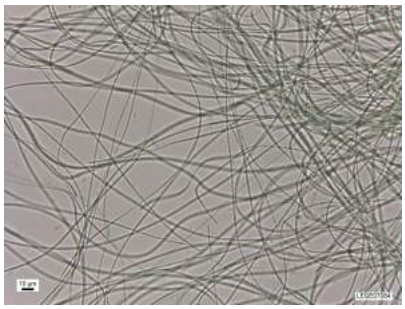
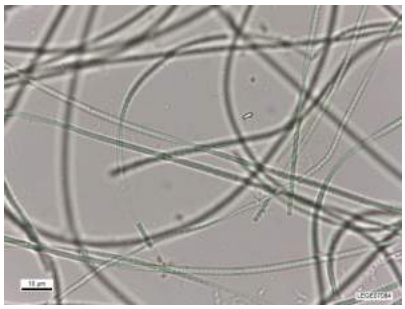
Strain ID	**Nodosilinea (Leptolyngbya) antarctica LEGE 13458**		
Strain Taxonomy	Leptolyngbya antarctica (West & West, GS) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 × 1,6±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls
Parent Sample	ANT#2.1 AA W3	**Macroscopic growth features**	color: cyano-greenish; forming a firm biofilm
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	polar, endolithic microbial community, on a sandstone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951755	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Catarina Magalhães	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	jan-2013	**Preservation type**	subculturing
Location	Antarctica: Victoria Valley, McMurdo Dry Valleys	**Light:dark cycle**	12:12-h
Latitude & Longitude	77.34183 S 161.6622 E	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

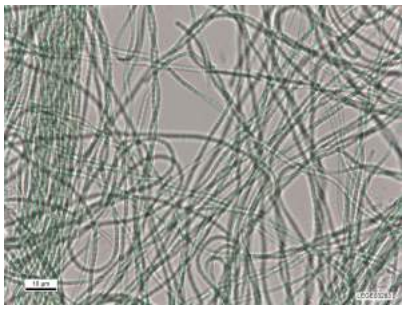
Strain ID	**Nodosilinea cf. nodulosa LEGE 10377**		
Strain Taxonomy	Nodosilinea nodulosa (Li, Z & Brand, J) Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,1 × 1,6±0,4
Other Code(s)	19E	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	JQ927349	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial, delicate
Collection Date	2010/11/24	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vivas J. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Nodosilinea nodulosa LEGE 06101**		
Strain Taxonomy	Nodosilinea nodulosa (Li, Z & Brand, J) Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 1,9±0,3
Other Code(s)	LEAN 005	**Taxonomic notes/diacritical features**	forming fascicles; nodules observed
Parent Sample	O.06 LUZ 3 - BC (I)	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a green macroalga
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951756	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

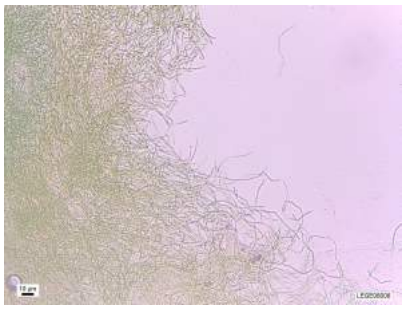
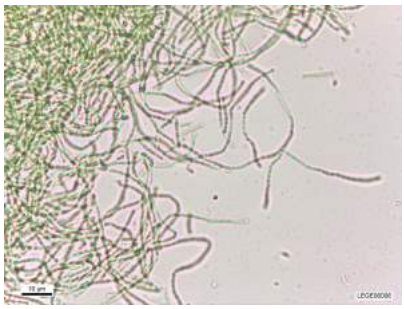
Strain ID	**Nodosilinea nodulosa LEGE 06102**		
Strain Taxonomy	Nodosilinea nodulosa (Li, Z & Brand, J) Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,2 × 1,4±0,2
Other Code(s)	LEAN 006	**Taxonomic notes/diacritical features**	growing in circular fascicles; cell ultrastructure data available
Parent Sample	O.06 BAR 14 - BBAA	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide pool, on a submerged stone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	bartolosides production (unknown ecophysiolgical role)
Accession Number(s)_16S	HQ832906	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842304, KC842305 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/21	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia de São Bartolomeu do Mar, Esposende	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.57377 N 8.798558 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226; Leão et al. (2015) Angew. Chem. 127, 11215–11219; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal; Ribeiro M.J. (2012) MSc Dissertation, Department of Chemistry, University of Aveiro, Aveiro, Portugal		

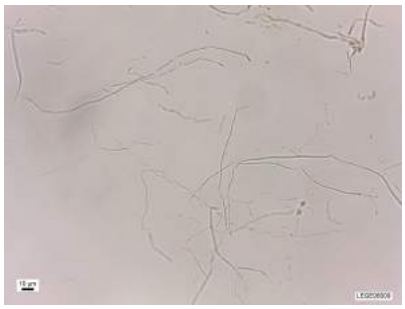
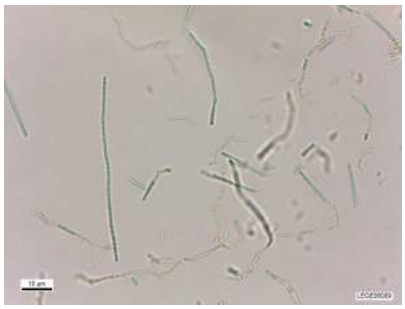
Strain ID	**Nodosilinea nodulosa LEGE 06104**		
Strain Taxonomy	Nodosilinea nodulosa (Li, Z & Brand, J) Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 × 1,3±0,3
Other Code(s)	LEAN 008	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 LUZ 10 - DC	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, rock surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU569325	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

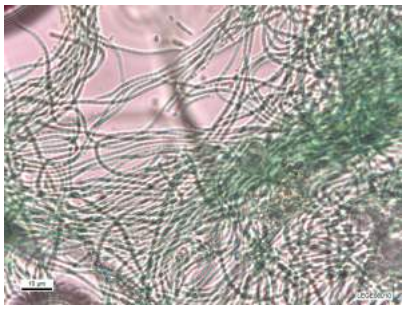
Strain ID	**Nodosilinea nodulosa LEGE 07084**		
Strain Taxonomy	Nodosilinea nodulosa (Li, Z & Brand, J) Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,1 × 1,5±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	VL 192	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	dehydroabietic acid and abietic acid production (unknown ecophysiological role)
Accession Number(s)_16S	HM217072	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Apr-2007	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.87933 N 8.838472 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Nodosilinea sp. LEGE 03283**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,3 × 2,0±0,3
Other Code(s)	J77 X	**Taxonomic notes/diacritical features**	distinguishable centro- and chromatoplasm
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample, dam reservoir
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951757	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2003/10/02	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, campsite at Montargil	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

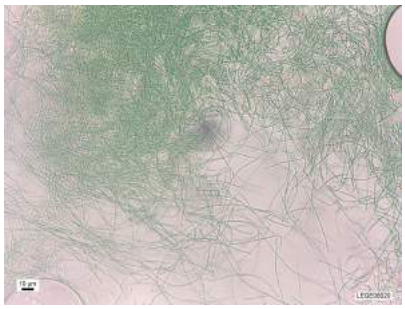
Strain ID	**Nodosilinea sp. LEGE 06001**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 1,8±0,3
Other Code(s)	strain 20, LEAN 120	**Taxonomic notes/diacritical features**	distinguishable centro- and chromatoplasm
Parent Sample	Ref. 20, , planktonic	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951758	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia de Buarcos	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.15621 N 8.871803 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Nodosilinea sp. LEGE 06006**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 1,9±0,3
Other Code(s)	strain 1, LEAN 111	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 1, Moel planktonic	**Macroscopic growth features**	color: greenish; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951759	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: São Pedro de Moel	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.75529 N 9.033400 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

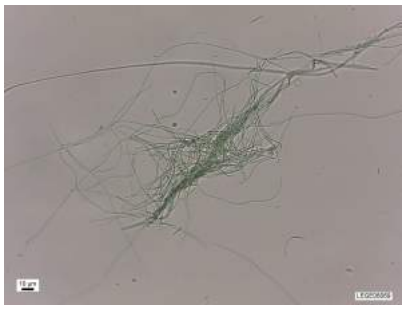
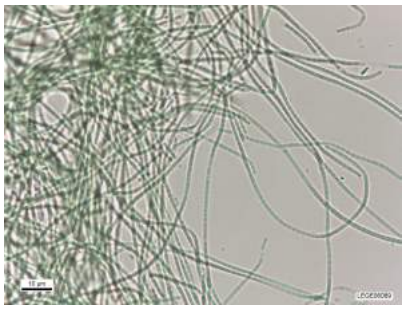
Strain ID	**Nodosilinea sp. LEGE 06009**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 2,2±0,4
Other Code(s)	strain 16, LEAN 106	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 16	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, epilithic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	JF708121	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)	KC842331, KC842332 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Foz do Arelho, Caldas da Rainha	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.43327 N 9.230275 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Frazão et al. (2010) Mar. Drugs 8, 1908-1919; Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

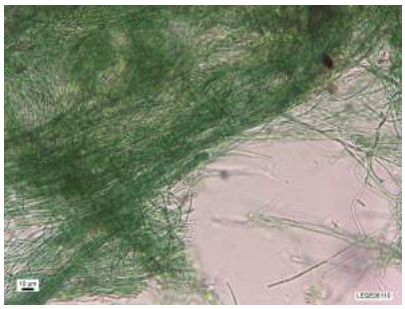
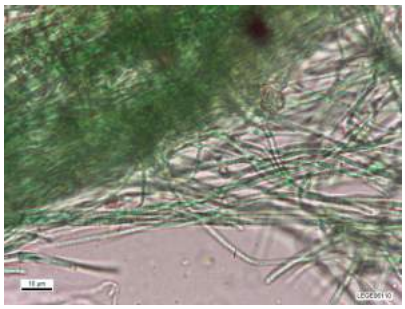
Strain ID	**Nodosilinea sp. LEGE 06010**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 2,2±0,4
Other Code(s)	strain 17, LEAN 107	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 17	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951760	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)	HM124567 (microcystin synthetase, mcyE)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Foz do Arelho, Caldas da Rainha	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.43327 N 9.230275 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Frazão et al. (2010) Mar. Drugs 8, 1908-1919		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

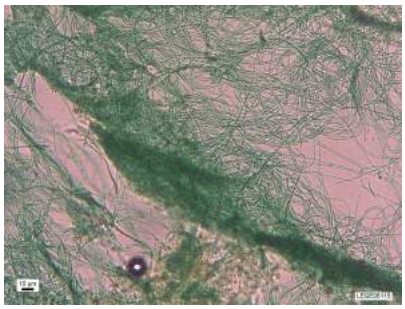
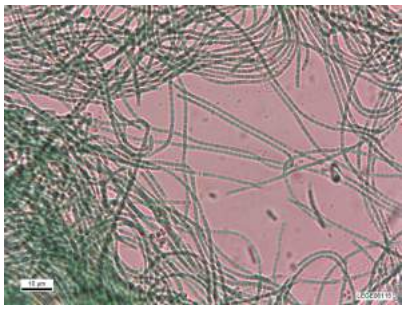
Strain ID	**Nodosilinea sp. LEGE 06014**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,1 × 1,7±0,3
Other Code(s)	strain 19, LEAN 126	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 19, Arelho	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951761	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Foz do Arelho, Caldas da Rainha	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.43327 N 9.230275 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

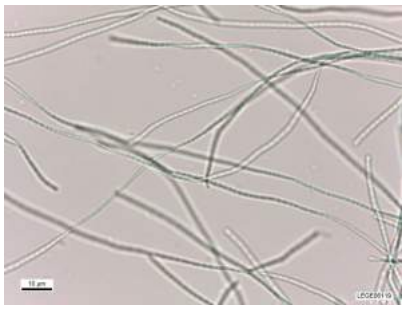
Strain ID	**Nodosilinea sp. LEGE 06020**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 1,6±0,6
Other Code(s)	strain 8, LEAN 116	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 8, Coxos	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951762	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia dos Coxos, Sto. Isidoro	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.00455 N 9.425842 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

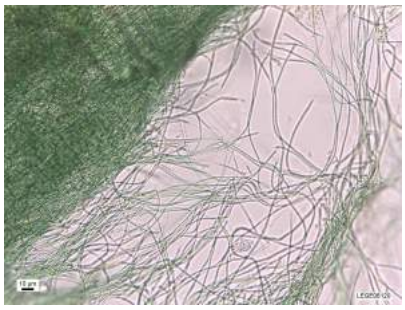
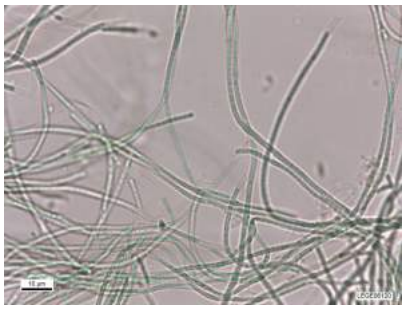
Strain ID	**Nodosilinea sp. LEGE 06022**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,1 × 2,3±0,4
Other Code(s)	strain 21, LEAN 121	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 21, 3, Coxos	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-sheltered rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951763	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia dos Coxos, Sto. Isidoro	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.00455 N 9.425842 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

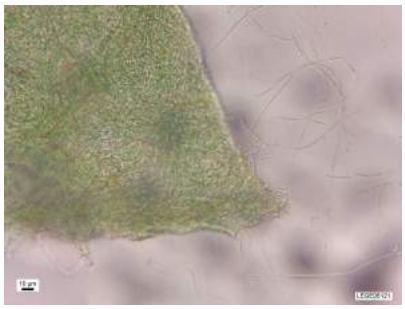
Strain ID	**Nodosilinea sp. LEGE 06069**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 1,7±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	VL 18	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217073	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Oct-2006	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.632556 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

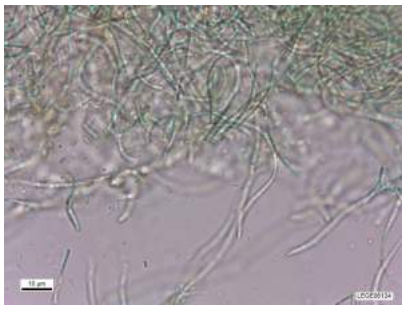
Strain ID	**Nodosilinea sp. LEGE 06110**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,2 × 2,1±0,5
Other Code(s)	LEAN 015	**Taxonomic notes/diacritical features**	forming fascicles
Parent Sample	O.06 MOL 2 - AAD	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, on submerged stone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951764	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842285 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/20	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

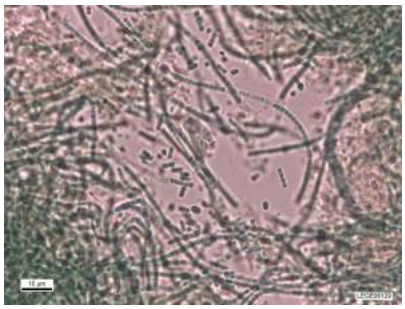
Strain ID	**Nodosilinea sp. LEGE 06115**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 1,8±0,2
Other Code(s)	LEAN 020	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 LUZ 3 - BCB	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a green macroalga
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951765	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

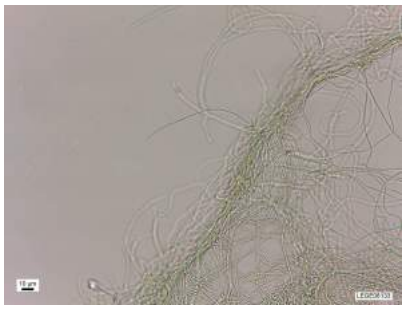
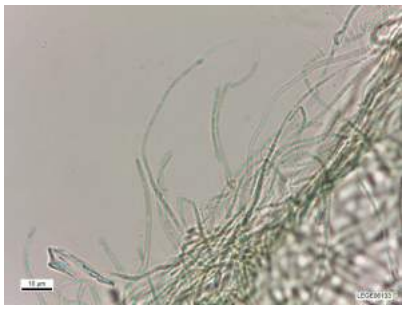
Strain ID	**Nodosilinea sp. LEGE 06119**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 × 1,3±0,3
Other Code(s)	LEAN 024	**Taxonomic notes/diacritical features**	
Parent Sample	V.06 BUR p5 - AA	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951766	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/17	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

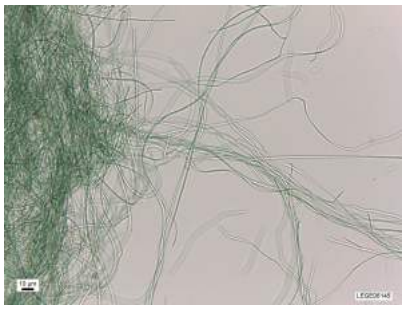
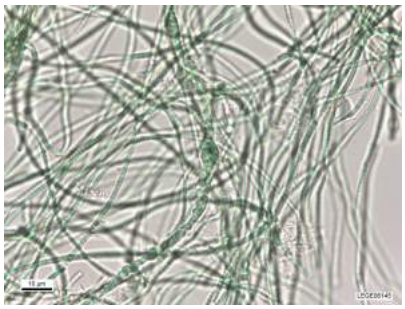
Strain ID	**Nodosilinea sp. LEGE 06120**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,1 × 2,4±0,6
Other Code(s)	LEAN 025	**Taxonomic notes/diacritical features**	facultative sheath
Parent Sample	O.06 LUZ p5 - A	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951767	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

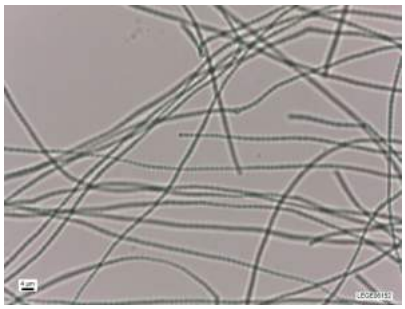
Strain ID	**Nodosilinea sp. LEGE 06121**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 × 3,7±0,6
Other Code(s)	LEAN 027	**Taxonomic notes/diacritical features**	with sheath
Parent Sample	O.06 ODA 7 - CCA	**Macroscopic growth features**	color: cyano; forming a firm biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock, surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951768	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842362, KC842363 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

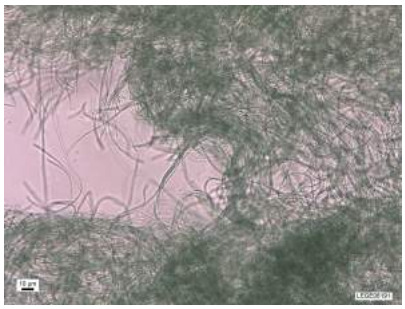
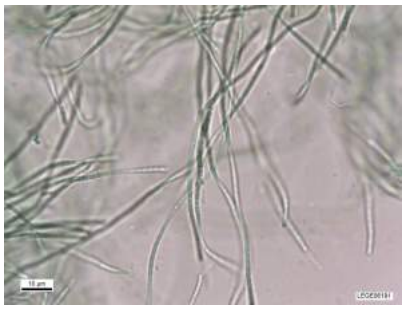
Strain ID	**Nodosilinea sp. LEGE 06124**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,1 × 2,7±0,8
Other Code(s)	LEAN 029	**Taxonomic notes/diacritical features**	some helical coiled filaments and nodules; with sheath
Parent Sample	V.06 ODA 5 - BAA/BCA/ECA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	wave-exposed tide puddle, epilithic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951769	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

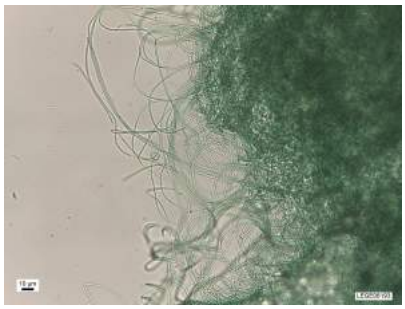
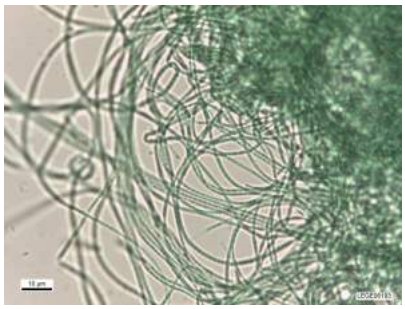
Strain ID	**Nodosilinea sp. LEGE 06129**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 1,7±0,3
Other Code(s)	LEAN 037	**Taxonomic notes/diacritical features**	facultative sheath
Parent Sample	O.06 AGU p6 - AA/BA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951770	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/22	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119		
References Publicly Available Theses			

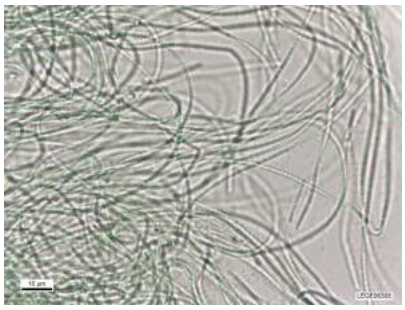
Strain ID	**Nodosilinea sp. LEGE 06133**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,2 × 3,2±1,3
Other Code(s)	LEAN 042	**Taxonomic notes/diacritical features**	with sheath
Parent Sample	V.06 MOL 9 - A-B/C	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide pool, on a submerged stone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951771	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/20	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335		
References Publicly Available Theses			

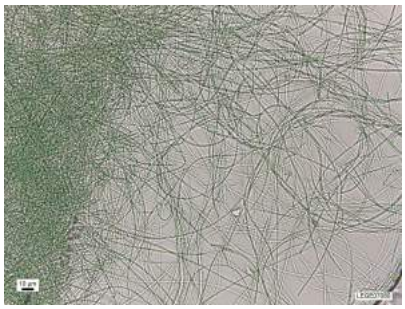
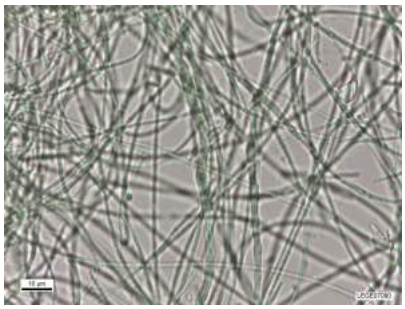
Strain ID	**Nodosilinea sp. LEGE 06145**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 1,2±0,2
Other Code(s)	LEAN 058	**Taxonomic notes/diacritical features**	nodules observed
Parent Sample	O.06 MOL 1 - DA/DC/DD	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	wave-exposed tide puddle, rock surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951772	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/20	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

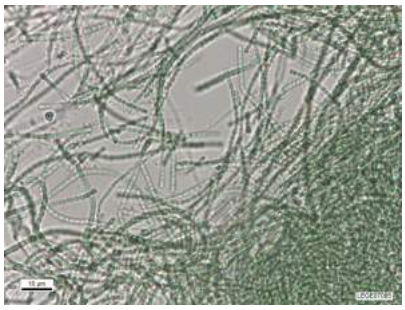
Strain ID	**Nodosilinea sp. LEGE 06152**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 1,5±0,2
Other Code(s)	LEAN 066	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 LAV p5 - AA	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832915	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842316 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/22	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

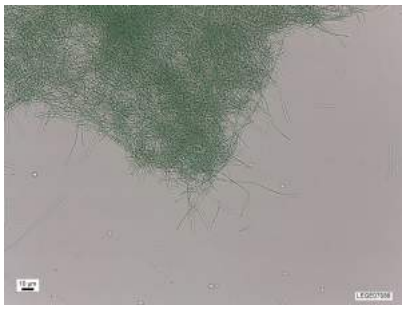
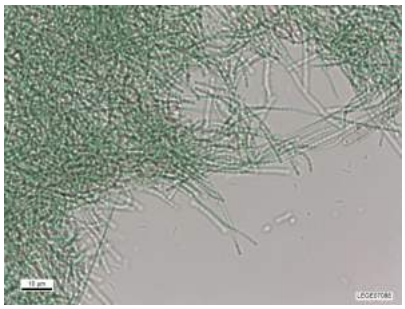
Strain ID	**Nodosilinea sp. LEGE 06191**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,1 × 2,0±0,2
Other Code(s)	LEAN 156	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 BUR p4 - CA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951774	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/11	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335		
References Publicly Available Theses			

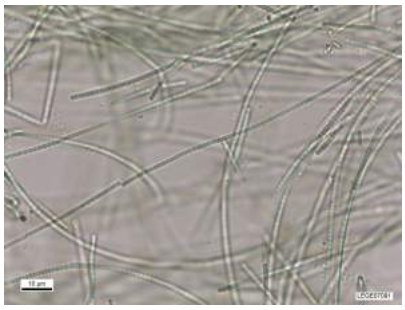
Strain ID	**Nodosilinea sp. LEGE 06193**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,1 × 1,5±0,2
Other Code(s)	LEAN 158	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 ODA p2 - AA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951775	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/18	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

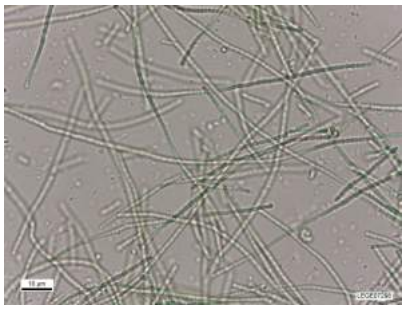
Strain ID	**Nodosilinea sp. LEGE 06308**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,2 × 1,9±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	71	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217060	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.87933 N 8.838472 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

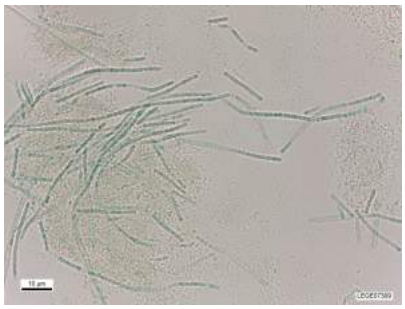
Strain ID	**Nodosilinea sp. LEGE 07080**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 1,5±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	facultative sheath
Parent Sample	VL 186	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217085	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Apr-2007	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.86697 N 8.855833 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

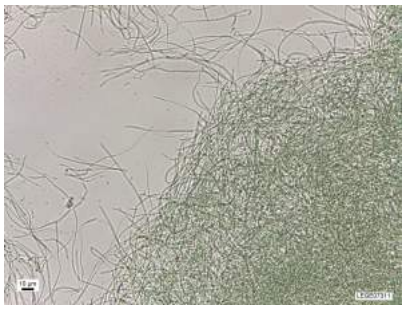
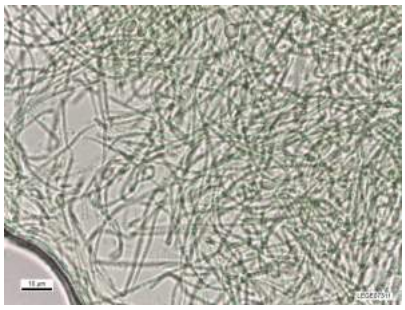
Strain ID	**Nodosilinea sp. LEGE 07085**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 1,8±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls
Parent Sample	VL 213_1	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217079	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Apr-2007	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14792 N 8.651611 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

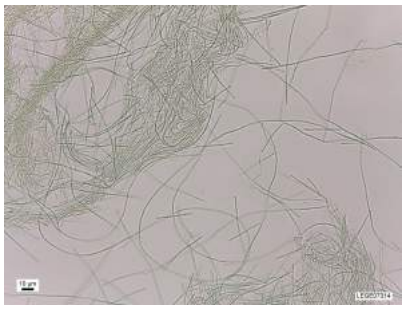
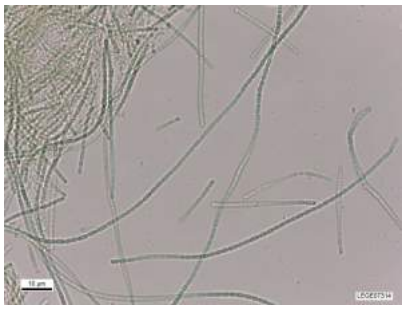
Strain ID	**Nodosilinea sp. LEGE 07088**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 1,3±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls
Parent Sample	VL 359_2	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217064	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/10	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.657972 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

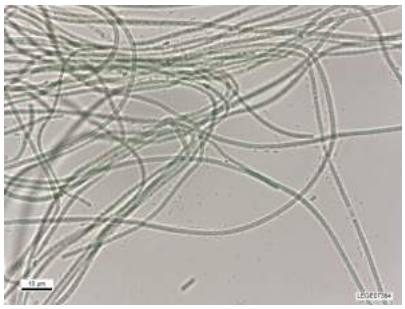
Strain ID	**Nodosilinea sp. LEGE 07091**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 1,3±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls; with sheath
Parent Sample	VL 218_2	**Macroscopic growth features**	color: cyano; forming a firm biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217068	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Apr-2007	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.632556 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

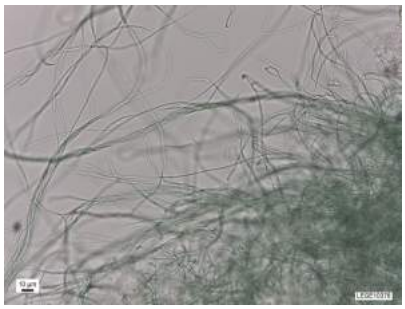
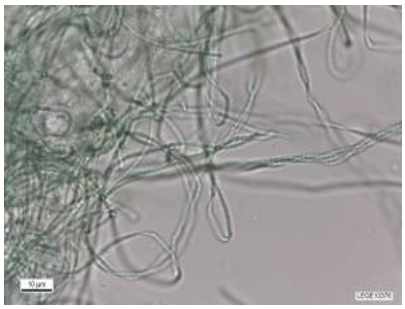
Strain ID	**Nodosilinea sp. LEGE 07298**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 1,9±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	VL PORT 110407	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample, on the estuary shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217044	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/04/11	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.657972 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

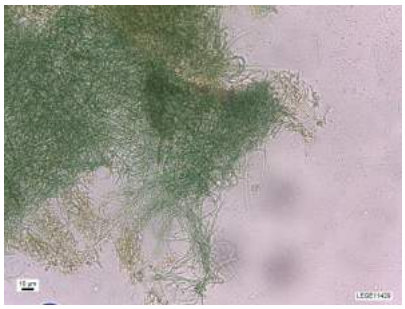
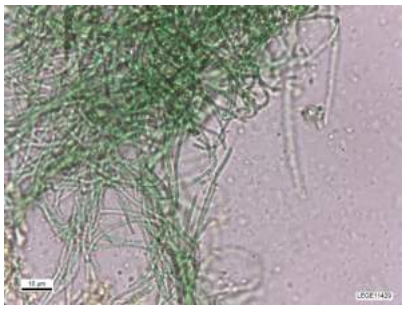
Strain ID	**Nodosilinea sp. LEGE 07309**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,2 × 1,7±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	217	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217053	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14792 N 8.651611 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

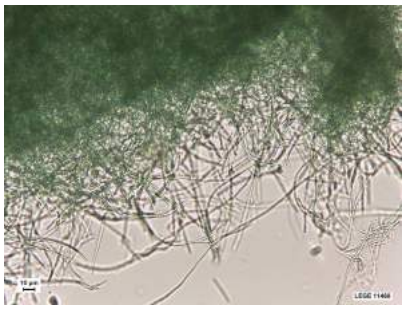
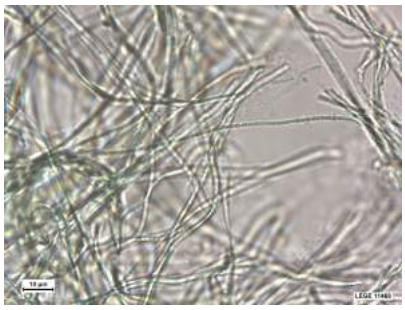
Strain ID	**Nodosilinea sp. LEGE 07311**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,1 × 1,7±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	303	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217056	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.13656 N 8.660861 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

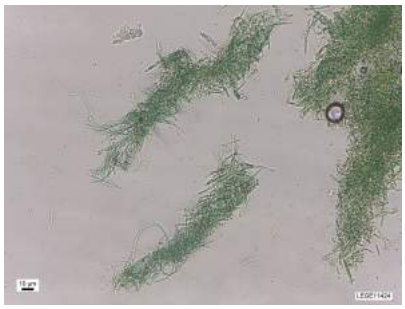
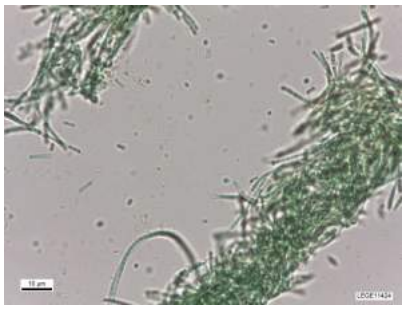
Strain ID	**Nodosilinea sp. LEGE 07314**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,1 × 2,3±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls
Parent Sample	CO326	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217061	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Seixas	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.88797 N 8.825722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Nodosilinea sp. LEGE 07364**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 2,1±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls; with sheath
Parent Sample	VL MS 231	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951776	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

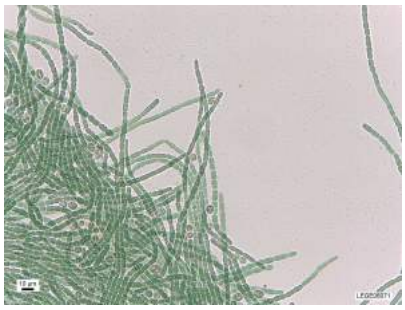
Strain ID	**Nodosilinea sp. LEGE 10376**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 1,7±0,3
Other Code(s)	18A	**Taxonomic notes/diacritical features**	coiled trichomes; constricted at cross-walls
Parent Sample		**Macroscopic growth features**	color: reddish; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951777	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/11/06	**Preservation type**	subculturing
Location	Portugal: Porto Côvo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.86748 N 8.793414 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vivas J. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

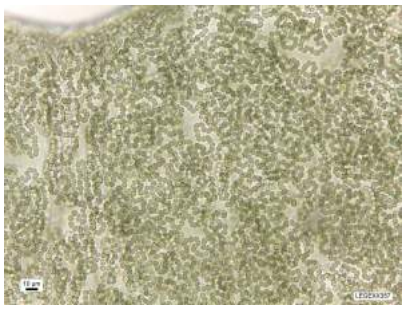
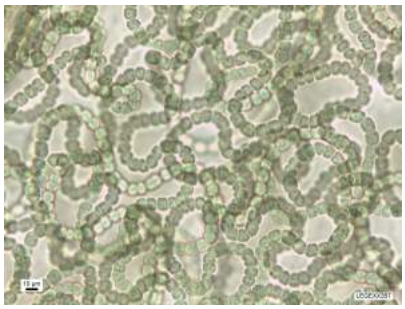
Strain ID	**Nodosilinea sp. LEGE 11429**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,2 × 1,8±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	8.003.1011_AP.F(A)b/i	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951778	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

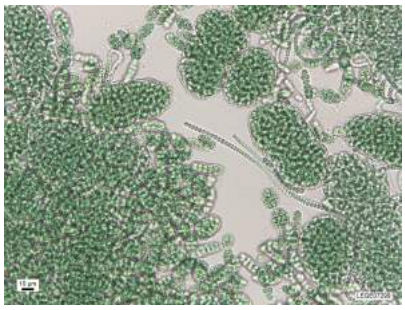
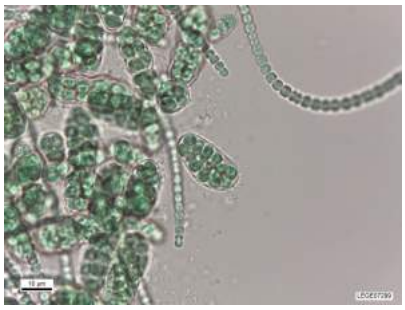
Strain ID	**Nodosilinea sp. LEGE 11468**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,3 × 1,3±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	8.003.1011	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951779	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

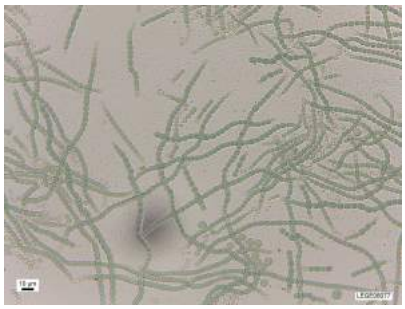
Strain ID	**Nodosilinea-like sp. LEGE 11424**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 × 1,5±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	filaments often short
Parent Sample	SC-f-Ai	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (10-13m depth), less than 1 km off the shore
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Sofia Costa
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: 'Pêlo Negro', diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.18557 N 8.719100 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

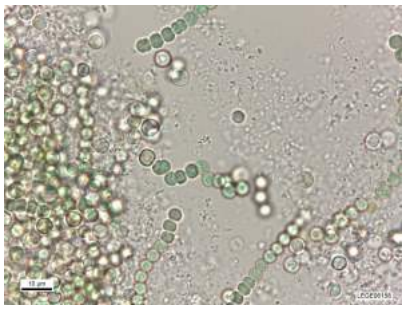
Strain ID	**Nodularia sp. LEGE 04288**		
Strain Taxonomy	Nodularia Mertens ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,3±0,4 × 4,9±0,9 (Cells); 5,4±0,4 × 5,3±0,7 (Akinetes)
Other Code(s)	J82, LEANJ.82	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951780	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Osswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2004/07/13	**Preservation type**	subculturing
Location	Portugal: Marco de Canaveses	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

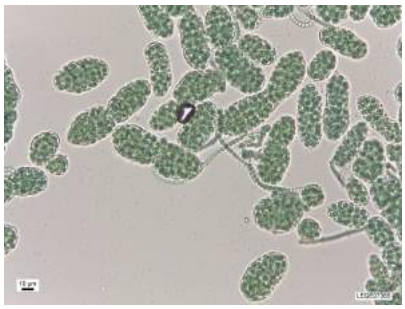
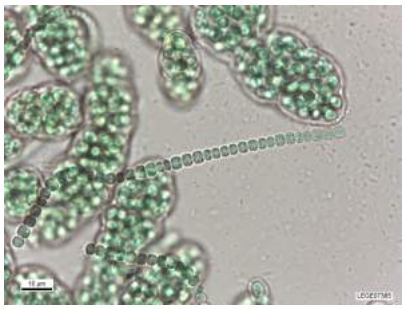
Strain ID	**Nodularia sp. LEGE 06071**		
Strain Taxonomy	Nodularia Mertens ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,8±0,4 × 4,8±0,6 (Cells); 6,3±0,9 × 6,5±1,4 (akinetes)
Other Code(s)		**Taxonomic notes/diacritical features**	some conical-rounded terminal cells
Parent Sample	VL 100	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation, akinetes production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	FJ830639	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/06	**Preservation type**	subculturing
Location	Portugal: Vouga estuary, Ria de Aveiro, Aveiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.63825 N 8.659778 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

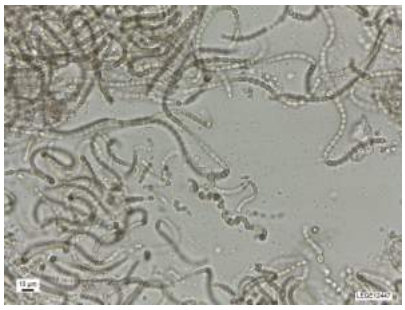
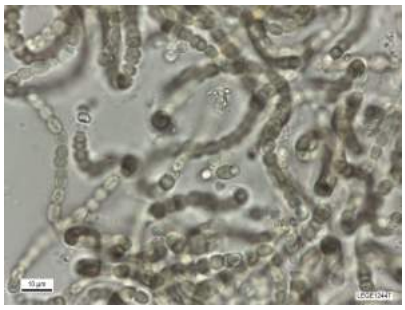
Strain ID	**Nostoc aff. commune LEGE 04357**		
Strain Taxonomy	Nostoc commune Vaucher ex Bornet, É & Flahault, C (1888)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,0±1,0 × 4,2±0,9 (Cells); Ø 4,5±0,7 (heterocytes)
Other Code(s)	Nostoc Site 3	**Taxonomic notes/diacritical features**	sac-like gelatinous thalli; with sheath
Parent Sample		**Macroscopic growth features**	color: olive green; forming aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KF287120	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)	KF287121 (16S-23S rRNA ITS), KF287122 (rpoC1)	**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2004	**Preservation type**	subculturing
Location	Morocco	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Moreira et al. (2015) Arch. Microbiol. 197, 47–52		
References Publicly Available Theses			

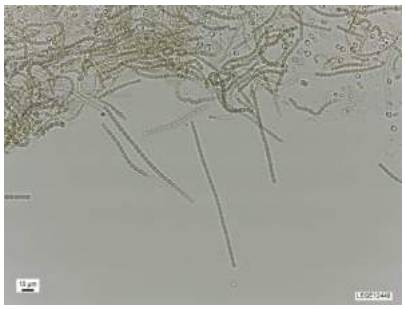
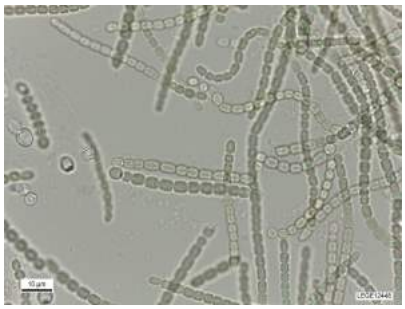
Strain ID	**Nostoc cf. edaphicum LEGE 07299**		
Strain Taxonomy	Nostoc edaphicum Kondrateva, NV (1962)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,9±0,5 × 2,3±0,3 (Cells)
Other Code(s)		**Taxonomic notes/diacritical features**	sac-like gelatinous thalli; with sheath
Parent Sample	VL SE pico 250907	**Macroscopic growth features**	color: cyano; forming a firm biofilm and aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample, on the estuary shore
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217059	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/09/25	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Seixas	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.90181 N 8.813139 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Nostoc sp. LEGE 06077**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,6±0,7 × 3,8±0,8 (Cells); Ø 3,3±0,4 (Heterocytes); Ø 7,0±1,3 (Akinetes)
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	VL CO231106	**Macroscopic growth features**	color: cyano; forming aggregates; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample, on the estuary shore
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation, EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	dehydroabietic acid, abietic acid and anabaenopeptins A and D production (unknown ecophysiological role)
Accession Number(s)_16S	HM217071	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/23	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Minho estuary, Seixas	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.88797 N 8.825722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; Cianca et al. (2012) Toxicon 59, 379–384; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Vasconcelos R. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal; Monteiro M.I. (2015) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Nostoc sp. LEGE 06158**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,0±0,3 × 3,1±0,5 (Cells); Ø 4,3±0,9 (heterocytes)
Other Code(s)	LEAN 072	**Taxonomic notes/diacritical features**	cell ultrastructure data available
Parent Sample	O.O6 ODA 5 - ABCA	**Macroscopic growth features**	color: greenish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	wave-exposed tide puddle, epilithic
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832947	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC256765 (dinitrogenase reductase, nifH), KC813190, KC813191 (non-ribosomal peptide synthetase), KC842366, KC842367 (polyketide synthase)	**Medium**	BG11o and Z8
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	14:10-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	25
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

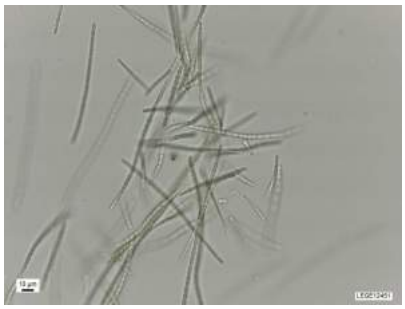
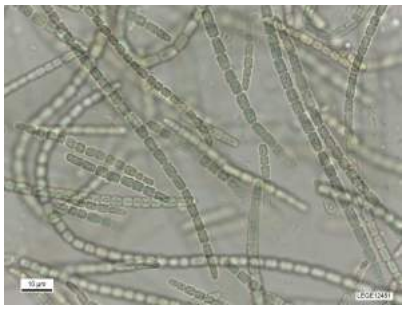
Strain ID	**Nostoc sp. LEGE 07365**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,0±0,3 × 3,3±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	sac-like gelatinous thalli
Parent Sample	VL MS 250	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	dehydroabietic acid and abietic acid production (unknown ecophysiological role)
Accession Number(s)_16S	New Seq + KT951672	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

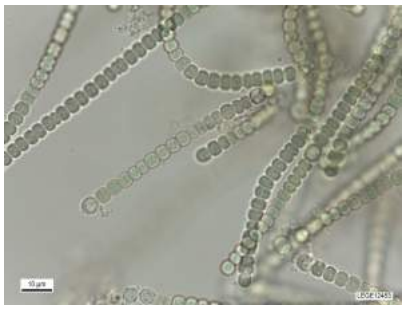
Strain ID	**Nostoc sp. LEGE 12447**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,2±0,5 × 4,1±0,8 (Cells); Ø 3,4±0,8 (Heterocytes); 4,4±0,7 × 5,1±0,6 (Akinetes)
Other Code(s)	CR2	**Taxonomic notes/diacritical features**	terminal or intercalar heterocytes; with akinetes
Parent Sample		**Macroscopic growth features**	color: olive green; forming aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Cycas revoluta)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951781	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Tropical Botanical Garden of Lisbon	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.69819 N 9.203429 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

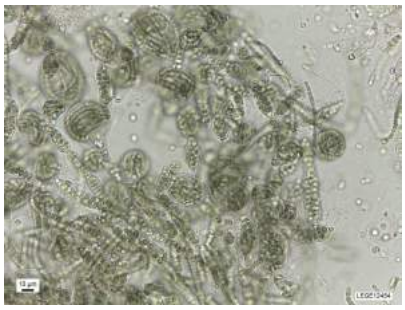
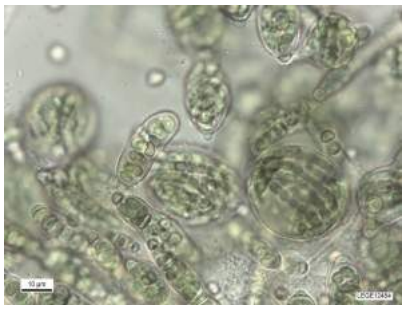
Strain ID	**Nostoc sp. LEGE 12448**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,5±0,3 × 3,4±0,8 (Cells); 3,4±0,6 × 4,2±0,9 (Heterocytes)
Other Code(s)	Enc1	**Taxonomic notes/diacritical features**	straight trichomes; with terminal heterocytes
Parent Sample		**Macroscopic growth features**	color: olive green; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos sp.)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951782	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Botanical Garden of the University of Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.15364 N 8.642851 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

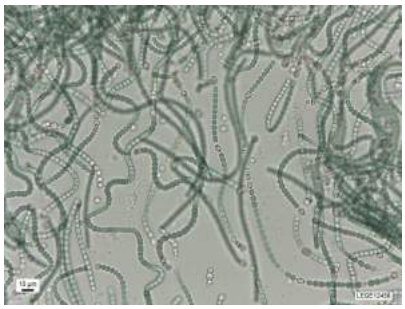
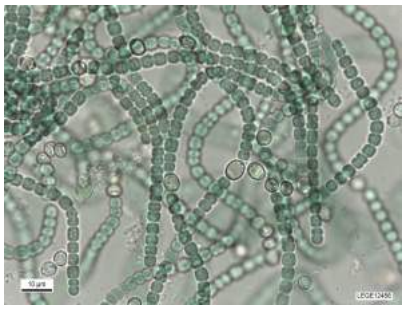
Strain ID	**Nostoc sp. LEGE 12449**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,3±0,4 × 3,6±0,6 (Cells); Ø 4,4±0,4 (Heterocytes)
Other Code(s)	Eh1	**Taxonomic notes/diacritical features**	with spherical akinetes; with sheath
Parent Sample		**Macroscopic growth features**	color: dark olive green; forming aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos horridus)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951783	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Botanical Garden of the University of Coimbra	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.20622 N 8.421698 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

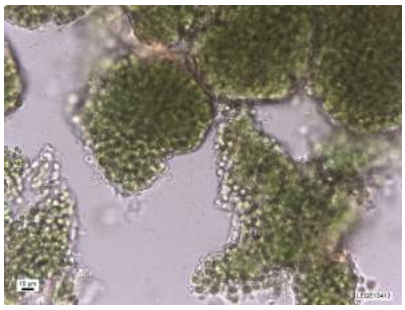
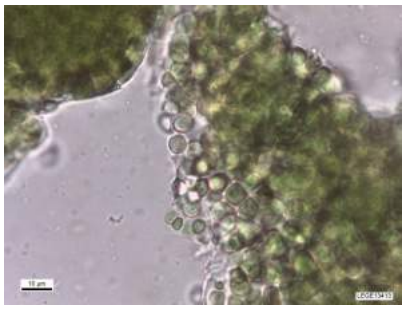
Strain ID	**Nostoc sp. LEGE 12450**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,8±0,4 × 3,9±0,9 (Cells); 3,8±0,5 × 4,7±0,7 (Heterocytes)
Other Code(s)	Eh2	**Taxonomic notes/diacritical features**	trichomes forming anastomosis-like structures within sheaths
Parent Sample		**Macroscopic growth features**	color: dark olive green; forming aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos horridus)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951784	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Tropical Botanical Garden of Lisbon	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.69819 N 9.203429 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

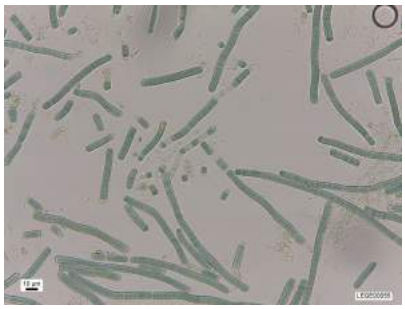
Strain ID	**Nostoc sp. LEGE 12451**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,5±0,4 × 3,8±0,8 (Cells); 3,2±1,5 × 4,5±0,6 (Heterocytes); 3,4±0,3 × 5,7±0,6 (Akinetes)
Other Code(s)	Ep1	**Taxonomic notes/diacritical features**	trichomes forming anastomosis-like structures within sheaths; with intercalar heterocytes
Parent Sample		**Macroscopic growth features**	color: olive green; forming aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos paucidentatus)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951785	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Tropical Botanical Garden of Lisbon	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.69819 N 9.203429 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

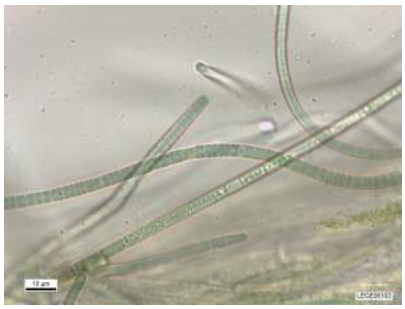
Strain ID	**Nostoc sp. LEGE 12453**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,8±0,3 × 3,3±0,5 (Cells); Ø 4,2±0,6 (Heterocytes)
Other Code(s)	Ea1	**Taxonomic notes/diacritical features**	barrel-shaped cells
Parent Sample		**Macroscopic growth features**	color: greenish; forming aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos altensteinii)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951786	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Tropical Botanical Garden of Lisbon	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.69819 N 9.203429 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

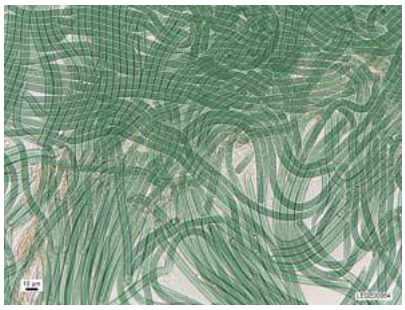
Strain ID	**Nostoc sp. LEGE 12454**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,0±0,5 × 3,3±0,8 (Cells); Ø 3,6±0,2 (Heterocytes)
Other Code(s)	EL1	**Taxonomic notes/diacritical features**	sac-like gelatinous thalli; with sheath
Parent Sample		**Macroscopic growth features**	color: olive green; forming aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos lebomboensis)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951787	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Tropical Botanical Garden of Lisbon	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.69819 N 9.203429 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

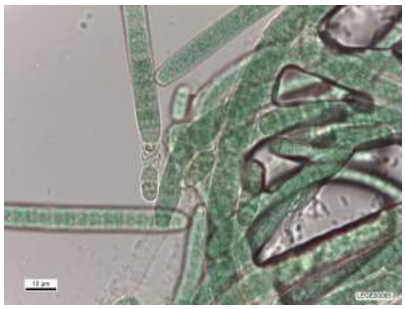
Strain ID	**Nostoc sp. LEGE 12456**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,5±0,5 × 3,9±0,5 (Cells); Ø 4,1±0,4 (Heterocytes)
Other Code(s)	ELeh2	**Taxonomic notes/diacritical features**	barrel-shaped cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos lebomboensis)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951788	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Tropical Botanical Garden of Lisbon	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.69819 N 9.203429 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

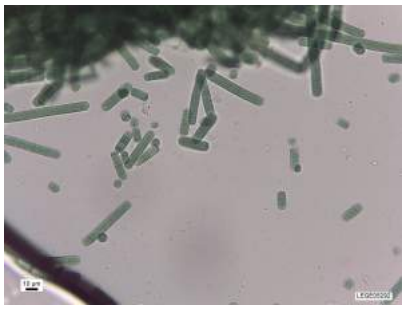
Strain ID	**Nostoc sp. LEGE 13413**		
Strain Taxonomy	Nostoc Vaucher ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,5±0,7 × 5,2±0,7
Other Code(s)		**Taxonomic notes/diacritical features**	large colonies of filaments, within mucilaginous envelopes; with sheath
Parent Sample	S5F sal	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	"Spirulina" dietary supplements, tablet form. Producer/brand: Biover
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

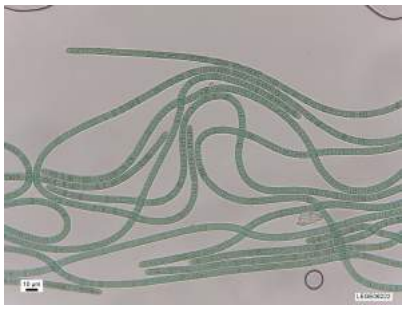
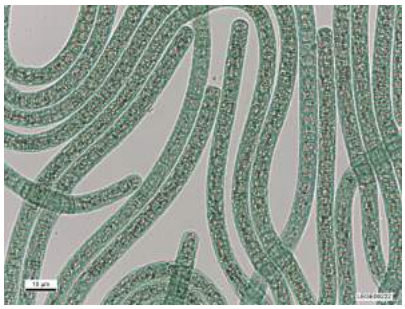
Strain ID	**Phormidium cf. irriguum LEGE 00055**		
Strain Taxonomy	Phormidium irriguum (Kützing ex Gomont) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,4±0,4 × 2,5±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	Imfout Osc I	**Macroscopic growth features**	color: cyano; forming a firm biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951790	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing
Location	Morocco: Imfout reservoir, Oum Rabiaa basin	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Phormidium laetevirens LEGE 06103**		
Strain Taxonomy	Phormidium laetevirens (Crouan, P & Crouan, H ex Gomont) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,5±0,5 × 2,0±0,4
Other Code(s)	LEAN 007	**Taxonomic notes/diacritical features**	gliding motility
Parent Sample	V.06 LUZ 11 - ABE	**Macroscopic growth features**	color: olive green; forming a leather-like biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, rock surface scraping
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	JF708120	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/17	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	14:10-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	25
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119		
References Publicly Available Theses			

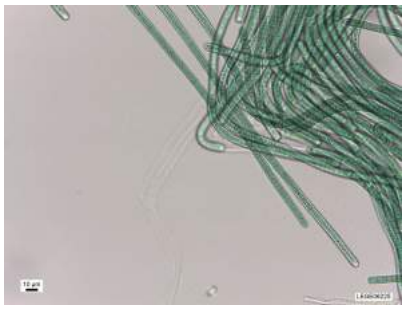
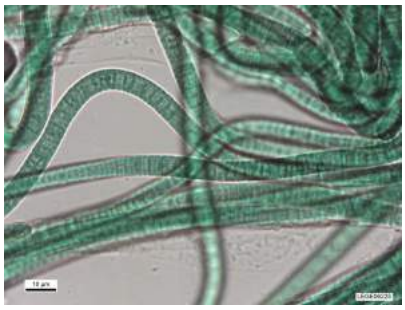
Strain ID	**Phormidium sp. LEGE 00064**		
Strain Taxonomy	Phormidium Kützing ex Gomont (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,8±0,6 × 3,0±1,3
Other Code(s)		**Taxonomic notes/diacritical features**	some capitate terminal cells
Parent Sample	Site2 Osc II	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing
Location	Morocco: Lake Takerkoust	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

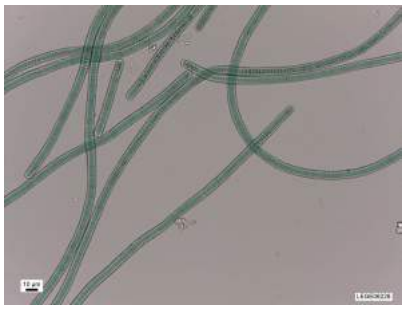
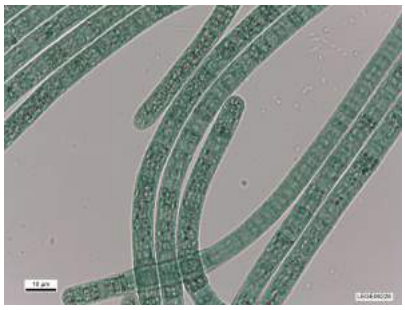
Strain ID	**Phormidium sp. LEGE 00065**		
Strain Taxonomy	Phormidium Kützing ex Gomont (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	7,5±1,5 × 3,5±0,7
Other Code(s)	Site Big 4	**Taxonomic notes/diacritical features**	terminal cells sometimes capitated or showing thickness of outer wall/calyptra(?); hormogonia; with sheath
Parent Sample	Site4 Big	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing
Location	Morocco: Oukaïmeden, reservoir	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

Strain ID	**Phormidium sp. LEGE 05292**		
Strain Taxonomy	Phormidium Kützing ex Gomont (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	7,1±0,5 × 2,6±0,3
Other Code(s)	OSC, OSC AP 1	**Taxonomic notes/diacritical features**	with necridic cells and hormogonia; with sheath
Parent Sample		**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	allelopathy
Taxonomy Notes		**Notes on ecophysiological traits**	portoamides production
Accession Number(s)_16S	GU085101	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	António P. Carvalho	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2005	**Preservation type**	subculturing
Location	Portugal: on an indoor aquarium wall, at Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355; Leão et al. (2010) Proc. Natl. Acad. Sci. U.S.A. 107 (25), 11183-11188; Leão et al. (2012) Microb. Ecol. 63, 85–95; Barreiro & Vasconcelos (2014) Aquat. Ecol. 48(2), 191-205		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Ribeiro T.A. (2014) MSc Dissertation, Department of Chemistry, University of Aveiro, Aveiro, Portugal		

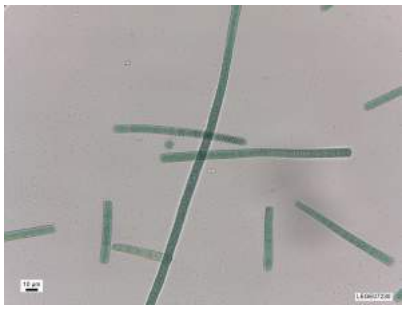
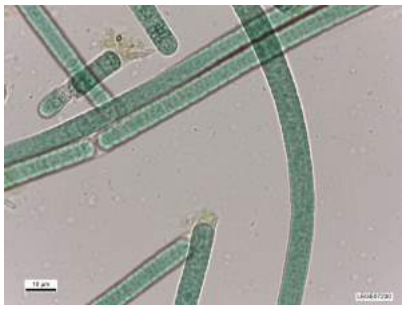
Strain ID	**Planktothrix mougeotii LEGE 06222**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,3±0,3 × 3,3±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with vacuolated cells, hormogonia and necridic cells; facultative sheath
Parent Sample	A3 24/10 - 5	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and tuft-like aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951791	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/27	**Preservation type**	subculturing, cryopreserved
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

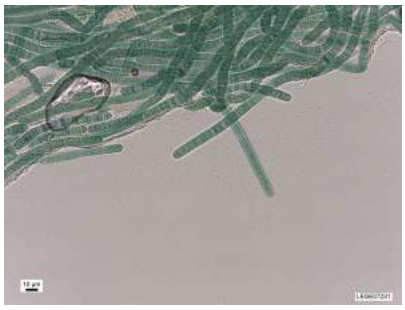
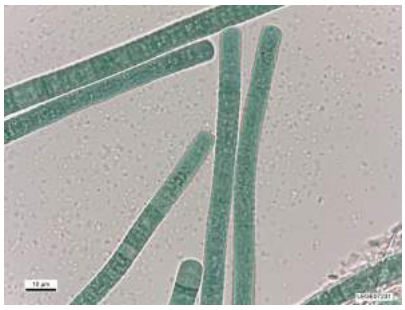
Strain ID	**Planktothrix mougeotii LEGE 06223**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,0±0,4 × 2,8±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with vacuolated cells, hormogonia and necridic cells; facultative sheath
Parent Sample	A5 24/11 - 11	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and tuft-like aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	floating masses, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951792	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	24-Nov-2006	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

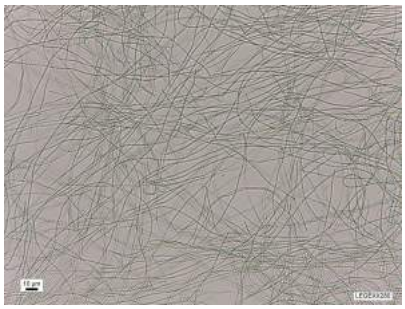
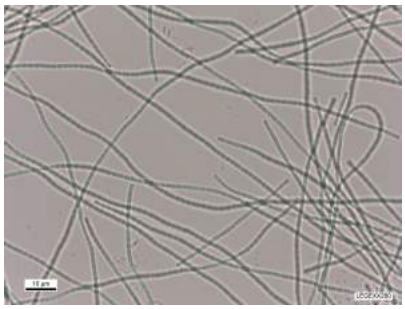
Strain ID	**Planktothrix mougeotii LEGE 06225**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,5±1,0 × 3,1±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with vacuolated cells, hormogonia and necridic cells; facultative sheath
Parent Sample	A5 24/10 - 14	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	floating masses, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951793	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/27	**Preservation type**	subculturing, cryopreserved
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Planktothrix mougeotii LEGE 06226**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,7±0,6 × 2,5±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with vacuolated cells, hormogonia and necridic cells; facultative sheath
Parent Sample	A5 - 9	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	floating masses, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951794	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Oct-2006	**Preservation type**	subculturing, cryopreserved
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Planktothrix mougeotii LEGE 07229**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	7,0±1,2 × 3,1±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with vacuolated cells, hormogonia and necridic cells; facultative sheath
Parent Sample	A5 JL - 4	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and tuft-like aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	floating masses, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jul-2007	**Preservation type**	subculturing, cryopreserved
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

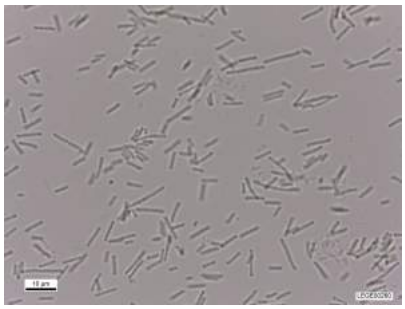
Strain ID	**Planktothrix mougeotii LEGE 07230**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,5±0,8 × 2,4±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with vacuolated cells, hormogonia and necridic cells; facultative sheath
Parent Sample	A5 JL - 5	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	floating masses, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jul-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

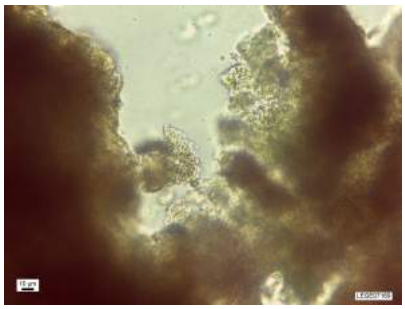
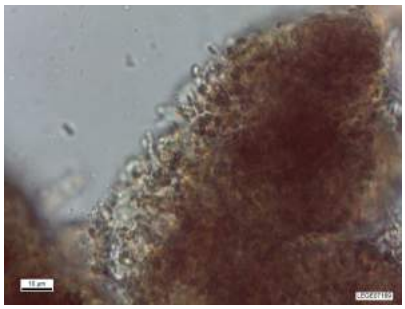
Strain ID	**Planktothrix mougeotii LEGE 07231**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,5±1,0 × 2,3±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with vacuolated cells, hormogonia and necridic cells; facultative sheath
Parent Sample	A5 J5	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	floating masses, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951795	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jun-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

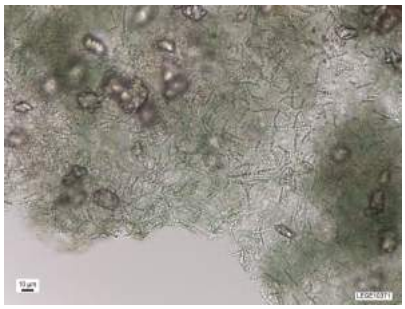
Strain ID	**Planktothrix sp. LEGE XX280**		
Strain Taxonomy	Planktothrix Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,3 × 1,9±0,3
Other Code(s)	PP	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	
Collector	Joana Osswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	Portugal: Guadiana river	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

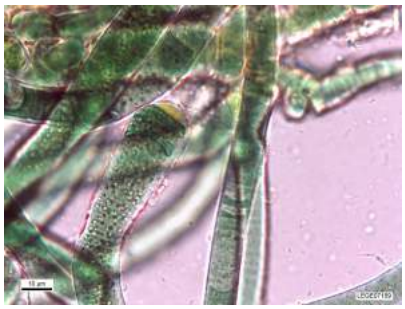
Strain ID	**Plectonema cf. radiosum LEGE 06105**		
Strain Taxonomy	Plectonema radiosum (Schiedermayer) Gomont (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,7±1,6 × 3,4±0,8 (Cells); Sheath up to 2,7±1,2
Other Code(s)	LEAN 009	**Taxonomic notes/diacritical features**	false-branching observed; with necridic cells; with sheath
Parent Sample	O.06 LUZ 3 - BC (II)	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales**	**Habitat Sample Description**	intertidal zone, on green macroalga
Order 2014 (Modern Taxonomy)	Nostocales**	**Ecophysiological traits**	
Taxonomy Notes	**see genus description in Komarek & Anagnostidis (2007)	**Notes on ecophysiological traits**	dehydroabietic acid production (unknown ecophysiological role)
Accession Number(s)_16S	KU951796	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813187 (non-ribosomal peptide synthetase), KC842355, KC842356 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Brito et al. (2015) Algal Res. 9, 218-226; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

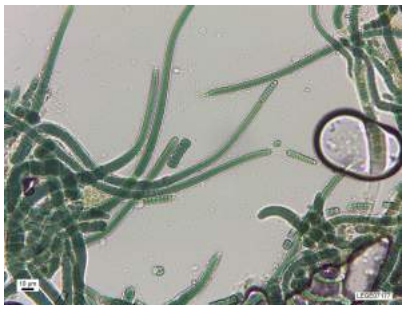
Strain ID	**Plectonema cf. radiosum LEGE 06114**		
Strain Taxonomy	Plectonema radiosum (Schiedermayer) Gomont (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	9,2±1,5 × 3,0±1,1 ; Sheath up to 2,8µm wide
Other Code(s)	LEAN 019	**Taxonomic notes/diacritical features**	with necridic cells and hormogonia; false-branching observed
Parent Sample	O.06 LUZ 3 - BCA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales**	**Habitat Sample Description**	intertidal zone, on a green macroalga
Order 2014 (Modern Taxonomy)	Nostocales**	**Ecophysiological traits**	
Taxonomy Notes	**see genus description in Komarek & Anagnostidis (2007)	**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493		
References Publicly Available Theses			

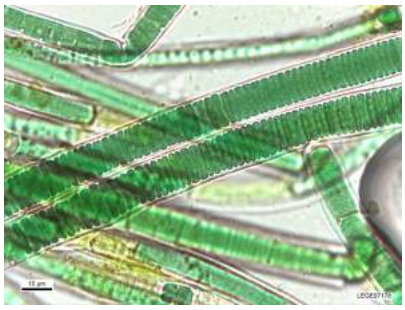
Strain ID	**Pseudanabaena aff. mucicola LEGE 00260**		
Strain Taxonomy	Pseudanabaena mucicola (Naumann & Huber-Pestalozzi) Schwabe (1964)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,2 × 1,5±0,4
Other Code(s)	J48, LEANJ.48	**Taxonomic notes/diacritical features**	short filaments, usually with less than four cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	non-ANTX-a producing strain
Accession Number(s)_16S	KU951797	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/09/12	**Preservation type**	subculturing
Location	Portugal: Chaves	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

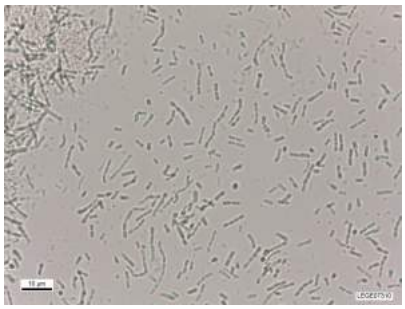
Strain ID	**Pseudanabaena cf. curta LEGE 07169**		
Strain Taxonomy	Pseudanabaena curta (Hollerbach) Cronberg & Komárek (1994)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,7±0,4 × 1,4 ±0,3
Other Code(s)	LEAN 083	**Taxonomic notes/diacritical features**	mucilaginous clusters of short filaments, constricted at cross-walls
Parent Sample	P.07 AGU 4 - BDA	**Macroscopic growth features**	color: dark green-brownish; forming aggregates/colonies
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	capsules
Accession Number(s)_16S	HQ832923	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842326, KC842327 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/15	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

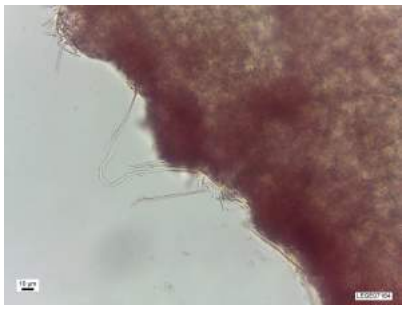
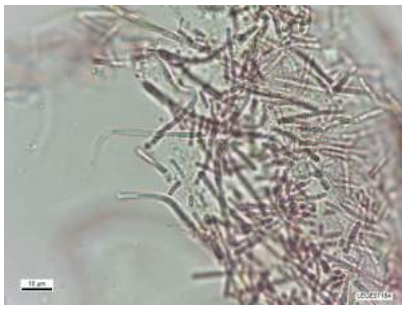
Strain ID	**Pseudanabaena cf. curta LEGE 10371**		
Strain Taxonomy	Pseudanabaena curta (Hollerbach) Cronberg & Komárek (1994)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 2,2±0,5
Other Code(s)	13F	**Taxonomic notes/diacritical features**	short trichomes, constricted at cross-walls
Parent Sample		**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951798	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/10/12	**Preservation type**	subculturing
Location	Portugal: Praia da Memória	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.23119 N 8.721750 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vivas J. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

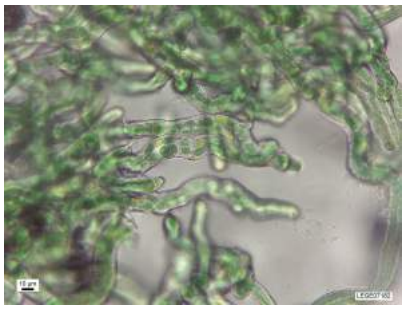
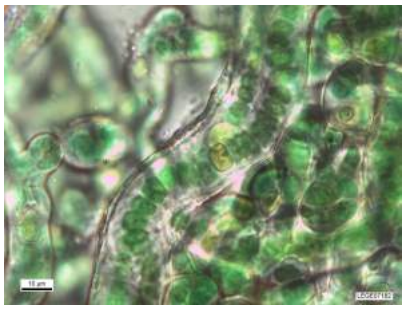
Strain ID	**Rivularia sp. LEGE 07159**		
Strain Taxonomy	Rivularia Agardh, C ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	10,7±2,8 × 4,5±1,9 (Cells); Ø 8,6±2,3 (Hemispheric Heterocytes); Sheath up to 2,2±0,9
Other Code(s)	LEAN 073	**Taxonomic notes/diacritical features**	heteropolar trichomes; false-branching observed; with necridic cells and hormogonia; cell ultrastructure data available; with sheath
Parent Sample	P.07 BUR 6 - p96, dil. 1/4	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC989702	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC256768 (dinitrogenase reductase, nifH), KC813185, KC813186 (non-ribosomal peptide synthetase), KC842351-KC842353 (polyketide synthase), KF008259 (cyanobactin, N-terminal protease (A))	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

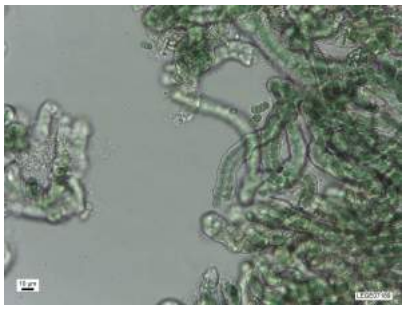
Strain ID	**Rivularia sp. LEGE 07177**		
Strain Taxonomy	Rivularia Agardh, C ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,1±1,2 × 1,9±0,8 (Cells); Sheath up to 1,1±0,3
Other Code(s)	LEAN 091	**Taxonomic notes/diacritical features**	heteropolar trichomes; with necridic cells and hormogonia; with sheath
Parent Sample	P.07 MAR 5 - BCB	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	intertidal zone, on green macroalga
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951799	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813184 (non-ribosomal peptide synthetase), KC842345, KC842346 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

Strain ID	**Rivularia sp. LEGE 07178**		
Strain Taxonomy	Rivularia Agardh, C ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	9,1±2,3 × 2,8±0,6 (Cells); Sheath up to 1,9±0,6
Other Code(s)	LEAN 092	**Taxonomic notes/diacritical features**	heteropolar trichomes; false-branching observed; with necridic cells and hormogonia
Parent Sample	P.07 BUR 6 - p96, dil. 1/4 - AB	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	intertidal zone, rock surface scraping
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

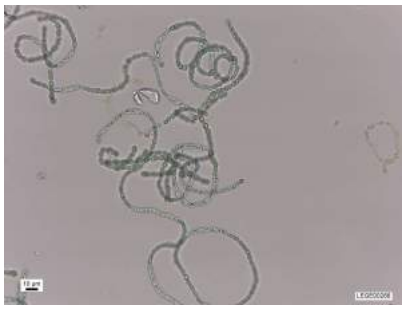
Strain ID	**Romeria aff. gracilis LEGE 07310**		
Strain Taxonomy	Romeria gracilis (Koczwara) Koczwara ex Geitler, L (1932)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,1 × 2,0±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	irregular shaped cells; some elongated, involution cells observed
Parent Sample	240	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217057	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.86697 N 8.855833 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Costa et al. (2014) Mar. Drugs 12, 98-114		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

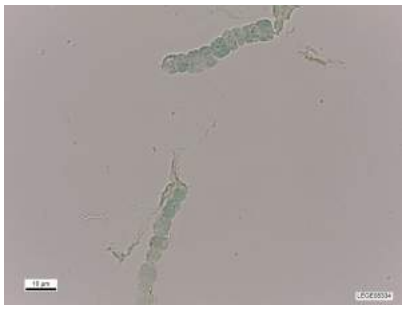
Strain ID	**Schizothrix aff. septentrionalis LEGE 07164**		
Strain Taxonomy	Schizothrix septentrionalis Gomont (1899)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,8±0,3 × 1,3±0,2
Other Code(s)	LEAN 078	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 MOL 8 - p96, dil. 1/2	**Macroscopic growth features**	color: brown-reddish; forming a firm biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a brown macroalga
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951800	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813173 (non-ribosomal peptide synthetase), KC842290 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/21	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

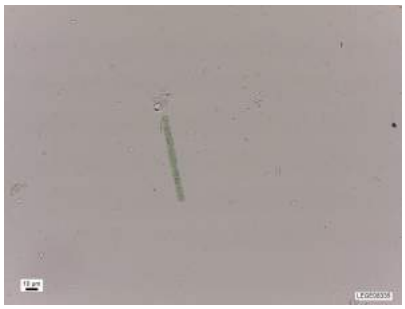
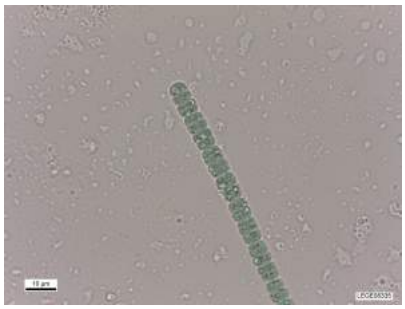
Strain ID	**Scytonema sp. LEGE 07182**		
Strain Taxonomy	Scytonema Agardh, C ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	7,4±2,1 × 7,7±1,3 (Cells); 7,4±2,3 × 7,1±1,3 (Heterocytes); Sheath up to 2,8±0,7
Other Code(s)	LEAN 096	**Taxonomic notes/diacritical features**	terminal and/or rarely intercalar heterocytes; with sheath
Parent Sample	P.07 MOL 5- FCAC/E/D	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	intertidal zone, rock surface scraping
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/21	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

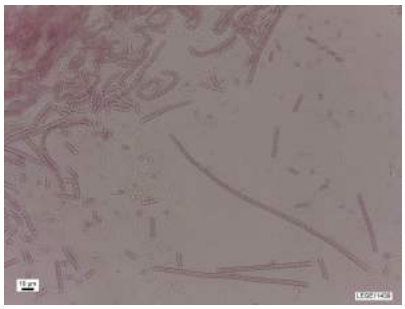
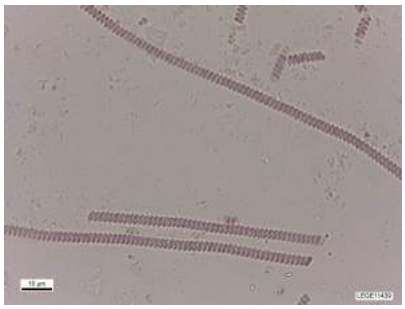
Strain ID	**Scytonema sp. LEGE 07189**		
Strain Taxonomy	Scytonema Agardh, C ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	7,0±1,3 × 6,1±2,0 (cells); 7,7±2,0 × 8,0±1,6 (Heterocytes); Sheath up to 2,1±0,5
Other Code(s)	LEAN 154	**Taxonomic notes/diacritical features**	intercalar heterocytes; often, filaments consist of two trichomes enveloped in a common sheath; hormogonia; with sheath
Parent Sample	P.07 MOL 5 - FCBA	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	intertidal zone, rock surface scraping
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832905	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842295-KC842297 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/21	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

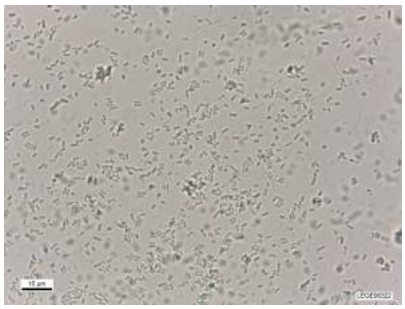
Strain ID	**Sphaerospermopsis sp. LEGE 00249**		
Strain Taxonomy	Sphaerospermopsis Zapomelová, E; Jezberová, J; Hrouzek, P; Hisem, D; Reháková, K & Komárková, J (2010)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,5±0,4 × 7,9±1,1
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC989701	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)	KF008258 (cyanobactin, N-terminal protease (A))	**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/07	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, campsite at Montargil	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916		
References Publicly Available Theses			

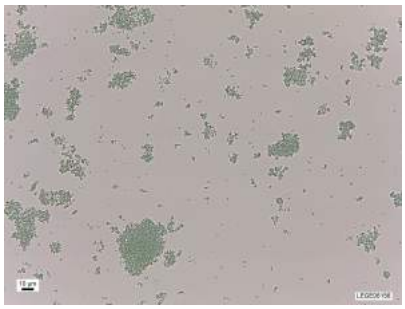
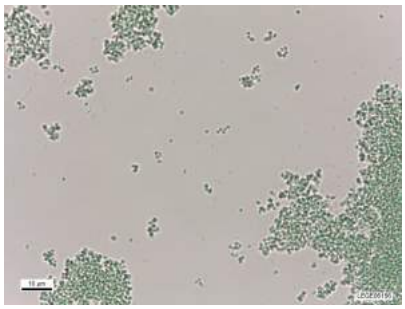
Strain ID	**Sphaerospermopsis sp. LEGE 02266**		
Strain Taxonomy	Sphaerospermopsis Zapomelová, E; Jezberová, J; Hrouzek, P; Hisem, D; Reháková, K & Komárková, J (2010)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,3±0,9 × 4,9±1,0
Other Code(s)	J59, LEANJ.59	**Taxonomic notes/diacritical features**	highly curved or coiled trichomes; vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951801	**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2002/07/25	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Benavila, Avis	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

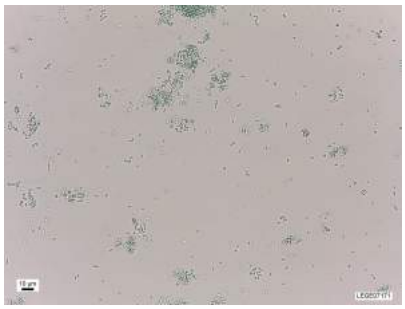
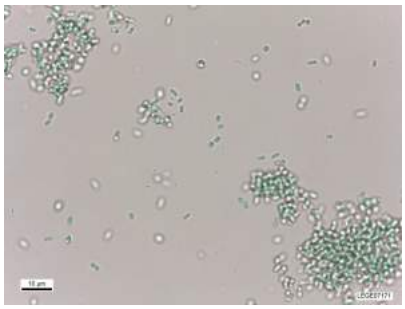
Strain ID	**Sphaerospermopsis sp. LEGE 08334**		
Strain Taxonomy	Sphaerospermopsis Zapomelová, E; Jezberová, J; Hrouzek, P; Hisem, D; Reháková, K & Komárková, J (2010)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,6±0,5 × 4,0±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951802	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008	**Preservation type**	subculturing
Location	Mexico: Lake Zumpango	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

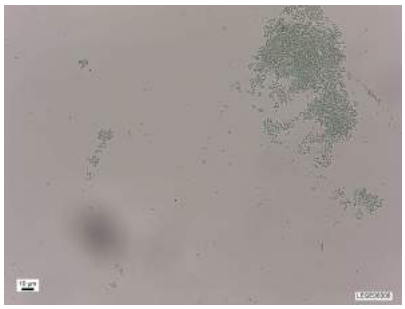
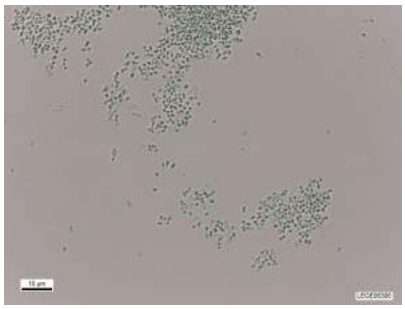
Strain ID	**Sphaerospermopsis sp. LEGE 08335**		
Strain Taxonomy	Sphaerospermopsis Zapomelová, E; Jezberová, J; Hrouzek, P; Hisem, D; Reháková, K & Komárková, J (2010)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,3±0,3 × 3,1±0,7
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951803	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial, delicate
Collection Date	2008	**Preservation type**	subculturing
Location	Mexico: Lake Zumpango	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

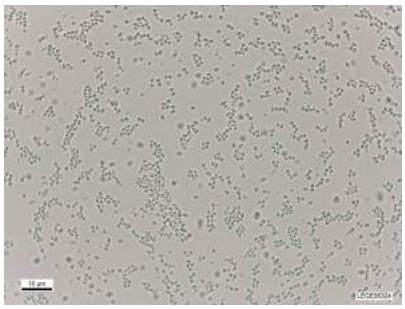
Strain ID	**Spirulina sp. LEGE 11439**		
Strain Taxonomy	Spirulina Turpin ex Gomont (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Cells 0,8±0,1 wide; 1,6±0,2 (distance between colis); Coils 2,6±0,1 wide
Other Code(s)		**Taxonomic notes/diacritical features**	helical tightly-coiled trichomes
Parent Sample	1.003.10.11	**Macroscopic growth features**	color: reddish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951804	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	5 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

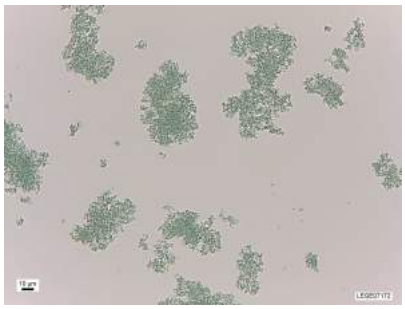
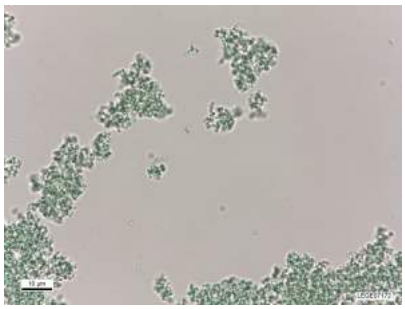
Strain ID	**Synechococcus cf. nidulans LEGE 06322**		
Strain Taxonomy	Synechococcus nidulans (Pringsheim) Komárek in Bourrelly (1970)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	0,7±0,1 × 0,8±0,1 (rod-shaped cells); 0,8±0,1 × 1,7±0,2 (elongated cells); 0,8±0,1 × 3,5±1,0 (Involution cells)
Other Code(s)	Sup61206	**Taxonomic notes/diacritical features**	rod-shaped cells; some elongated, involution cells observed
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217065	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/04/03	**Preservation type**	subculturing
Location	Portugal: Vouga estuary, Gafanha da Encarnação, Ílhavo	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.62903 N 8.745167 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

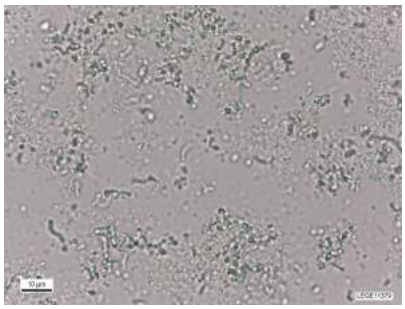
Strain ID	**Synechococcus nidulans LEGE 06156**		
Strain Taxonomy	Synechococcus nidulans (Pringsheim) Komárek in Bourrelly (1970)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,1
Other Code(s)	LEAN 070	**Taxonomic notes/diacritical features**	several cell clusters
Parent Sample	V.06 BUR p3 - A	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming a firm biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/17	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

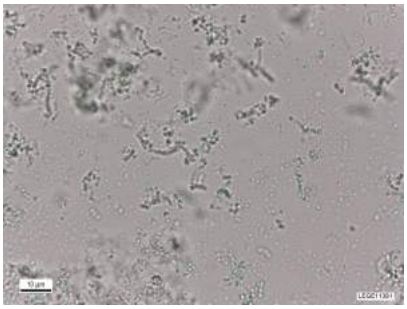
Strain ID	**Synechococcus nidulans LEGE 07171**		
Strain Taxonomy	Synechococcus nidulans (Pringsheim) Komárek in Bourrelly (1970)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,2
Other Code(s)	LEAN 085	**Taxonomic notes/diacritical features**	
Parent Sample	P.07 BUR 5 - AA	**Macroscopic growth features**	color: cyano; forming a firm biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	tide puddle, air-exposed rock surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951805	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Dvořák et al. (2014) Mol. Ecol. 23, 5538–5551		
References Publicly Available Theses			

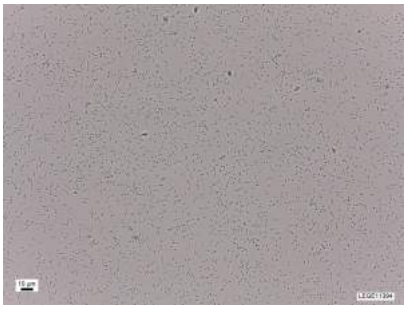
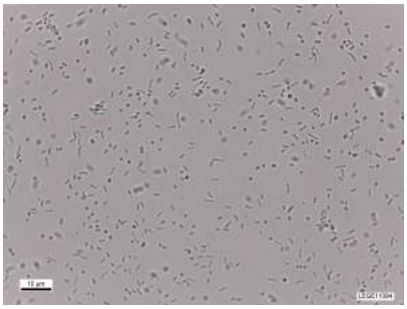
Strain ID	**Synechococcus sp. LEGE 06306**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,0±0,2 (Cells); Involution cells up to 4,1±2,1 length
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	IN67	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217052	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.86697 N 8.855833 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

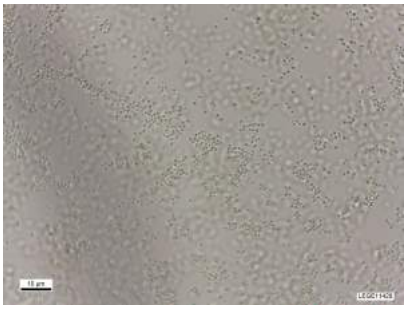
Strain ID	**Synechococcus sp. LEGE 06324**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,9±0,1
Other Code(s)		**Taxonomic notes/diacritical features**	rod-shaped cells; some elongated, involution cells observed
Parent Sample	CO85	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217046	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Seixas	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.88797 N 8.825722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

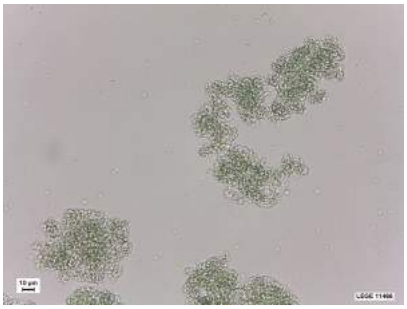
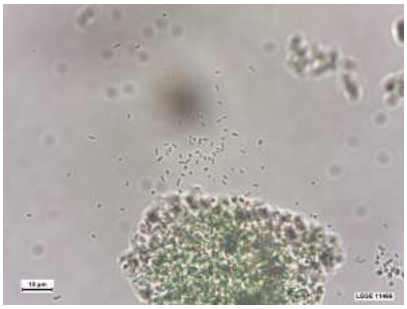
Strain ID	**Synechococcus sp. LEGE 07172**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,2
Other Code(s)	LEAN 086	**Taxonomic notes/diacritical features**	many cluster of cells; pseudofilaments observed
Parent Sample	P.07 ODA 4 - CA	**Macroscopic growth features**	color: cyano; forming a firm biofilm and also aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	tide puddle, on a submerged stone
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832950	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114		
References Publicly Available Theses			

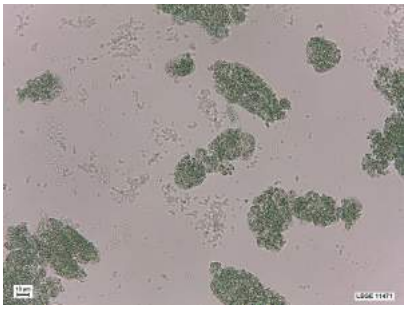
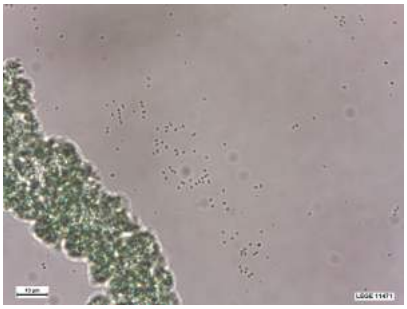
Strain ID	**Synechococcus sp. LEGE 11379**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,7±0,2 (Spherical Cells); 1,1±0,4 × 8,9±9,8 (Involution cells); 1,2±0,3 × 1,7±0,4 (Elongated cells)
Other Code(s)	19G	**Taxonomic notes/diacritical features**	some sigmoid, elongated, involution cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

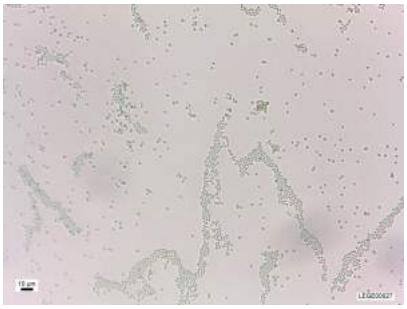
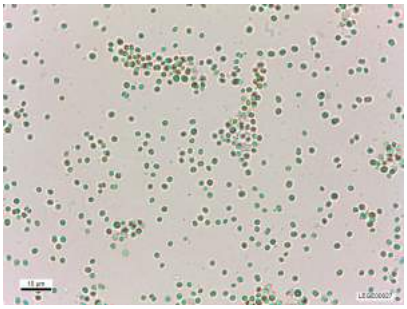
Strain ID	**Synechococcus sp. LEGE 11381**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,7±0,1 (Spherical Cells); 1,2±0,2 × 17,0±10,0 (Involution cells); 1,0±0,1 × 1,2±0,2 (Elongated cells)
Other Code(s)	21C	**Taxonomic notes/diacritical features**	some elongated, involution cells observed
Parent Sample		**Macroscopic growth features**	color: cyano
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	JQ927352	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/07/18	**Preservation type**	subculturing
Location	Portugal: Praia da Memória, Matosinhos	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.23119 N 8.721750 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

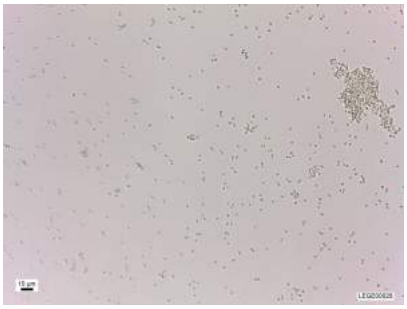
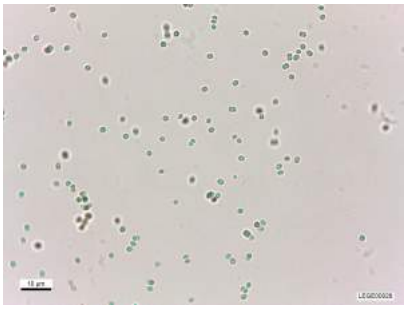
Strain ID	**Synechococcus sp. LEGE 11394**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,1 (Cells); 0,6±0,1 × 3,2±0,8 (Involution cells);
Other Code(s)		**Taxonomic notes/diacritical features**	some elongated, involution cells observed
Parent Sample	EB3-I3-A (JM)	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951806	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Frederico Sobrinho/Sinda Carvalhal	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	9-Feb-2011	**Preservation type**	subculturing
Location	Brazil: Pitanguinha lagoon (Araruama system), in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	22.9275 S 42.35556 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

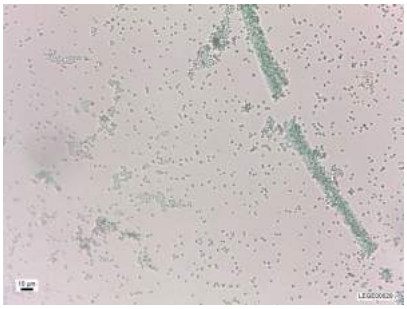
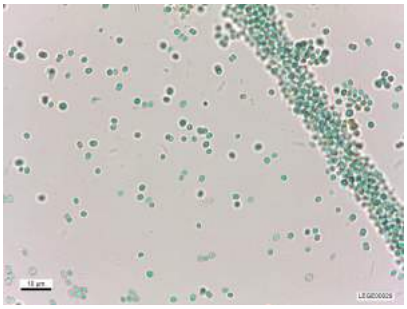
Strain ID	**Synechococcus sp. LEGE 11428**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,9±0,1
Other Code(s)		**Taxonomic notes/diacritical features**	pseudofilaments observed
Parent Sample	8.003.1011_AP.G	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	ready to submit	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

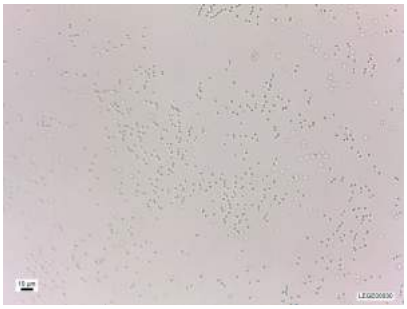
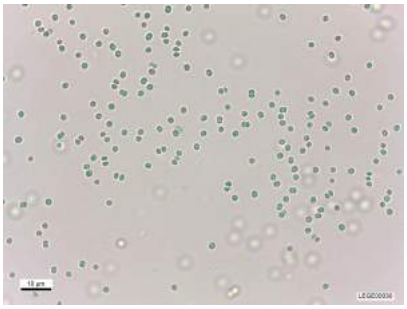
Strain ID	**Synechococcus sp. LEGE 11466**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,7±0,1
Other Code(s)		**Taxonomic notes/diacritical features**	rod-shaped cells; some cell clusters
Parent Sample	3.002.0911	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, epilithic (10-13m depth), less than 1 km off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951807	**Isolator**	Sébastien Brûle/Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: 'Pêlo Negro', diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.18557 N 8.719100 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

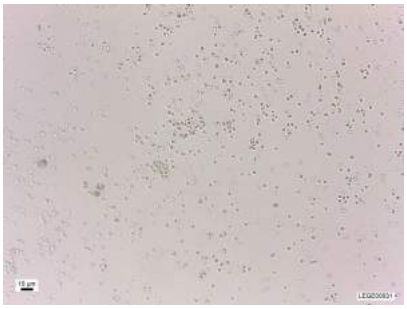
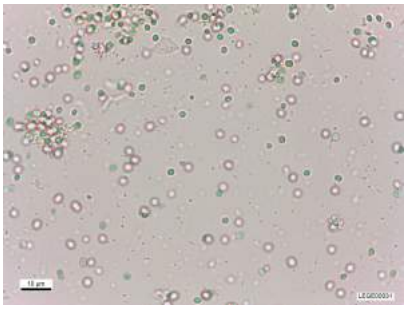
Strain ID	**Synechococcus sp. LEGE 11471**		
Strain Taxonomy	Synechococcus Nägeli, C (1849)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,1
Other Code(s)		**Taxonomic notes/diacritical features**	shortly rod-shaped cells
Parent Sample	11.002.0911	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, epilithic (10-13m depth), less than 1 km off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	ready to submit	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: 'Pêlo Negro', diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.18557 N 8.719100 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

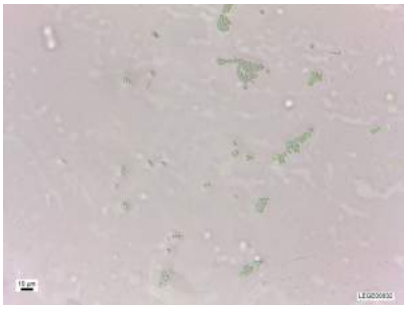
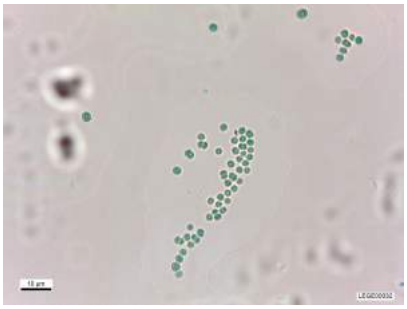
Strain ID	**Synechocystis salina LEGE 00027**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,0±0,3
Other Code(s)	strain 17, LEANCYA 17, LEAN 201	**Taxonomic notes/diacritical features**	
Parent Sample	Burgau	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, biofilm on a rock
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951808	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/09/02	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464; Martins et al. (2007) Toxicon 50, 791–799; Martins et al. (2008) Mar. Drugs 6(1), 1-11		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

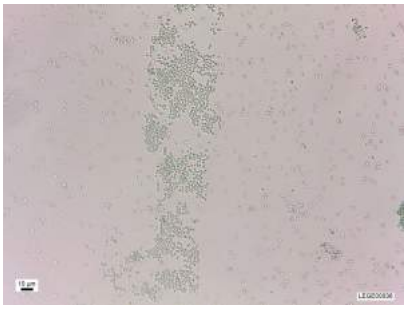
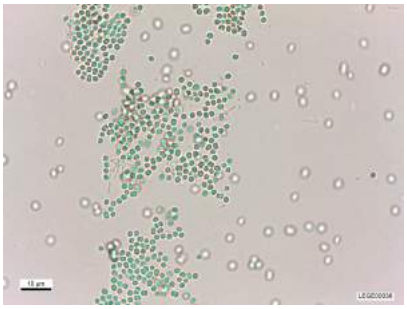
Strain ID	**Synechocystis salina LEGE 00028**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,8±0,2
Other Code(s)	strain 18, LEANCYA 18, LEAN 202	**Taxonomic notes/diacritical features**	
Parent Sample	Tamariz	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, intertidal zone, from a tide pool
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	EPS production
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951809	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/22	**Preservation type**	subculturing
Location	Portugal: Praia do Tamariz, Estoril	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.70287 N 9.399350 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464; Martins et al. (2007) Toxicon 50, 791–799; Martins et al. (2008) Mar. Drugs 6(1), 1-11		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

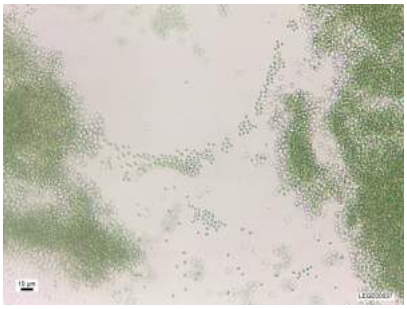
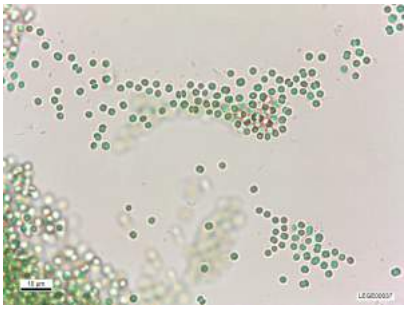
Strain ID	**Synechocystis salina LEGE 00029**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,9±0,2
Other Code(s)	strain 19, LEANCYA 19, LEAN 203	**Taxonomic notes/diacritical features**	
Parent Sample	Martinhal (fil.)	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, intertidal zone, from a tide pool
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	EPS production
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951810	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/09/03	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464; Martins et al. (2007) Toxicon 50, 791–799; Martins et al. (2008) Mar. Drugs 6(1), 1-11		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

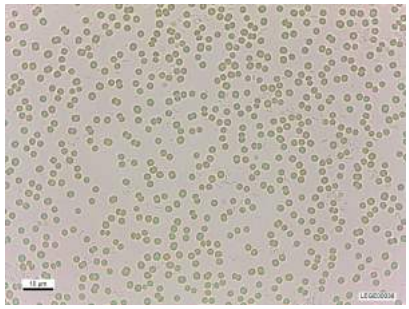
Strain ID	**Synechocystis salina LEGE 00030**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,8±0,2
Other Code(s)	LEAN 204	**Taxonomic notes/diacritical features**	
Parent Sample	Aguda 1 planct.	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, intertidal zone, from a tide pool
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951811	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/05/31	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

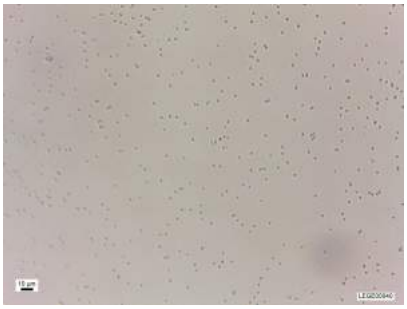
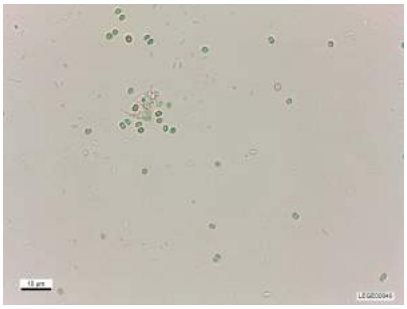
Strain ID	**Synechocystis salina LEGE 00031**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,1±0,2
Other Code(s)	strain 5, LEANCYA 5, LEAN 205	**Taxonomic notes/diacritical features**	
Parent Sample	Moledo 1	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, Sabellaria alveolata reef
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951812	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/06/18	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464; Martins et al. (2007) Toxicon 50, 791–799; Martins et al. (2008) Mar. Drugs 6(1), 1-11		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

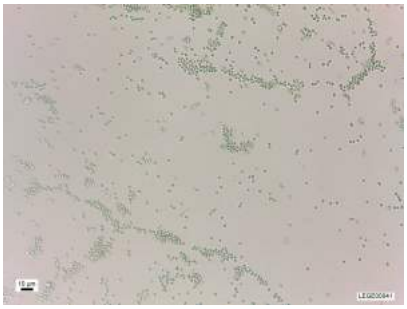
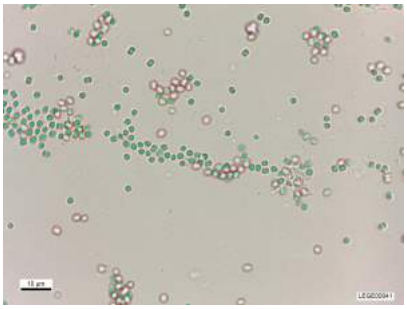
Strain ID	**Synechocystis salina LEGE 00032**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,0±0,2
Other Code(s)	strain LEANCYA 21, LEAN 206	**Taxonomic notes/diacritical features**	
Parent Sample	Praia da Luz	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, marine sponge
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951813	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/09/02	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464; Martins et al. (2007) Toxicon 50, 791–799; Martins et al. (2008) Mar. Drugs 6(1), 1-11; Ribeiro et al. (2008) Int. J. Environ. Anal. Chem. 88(10), 701-710		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

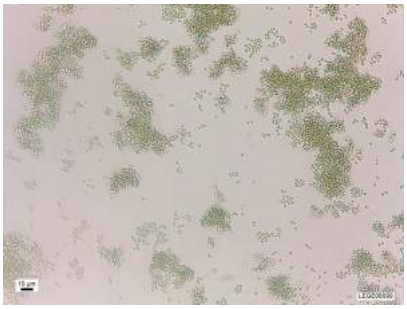
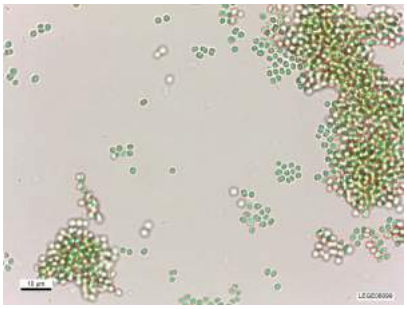
Strain ID	**Synechocystis salina LEGE 00036**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,5±0,1
Other Code(s)	strain 16, LEANCYA 16, LEAN 210	**Taxonomic notes/diacritical features**	
Parent Sample	Burgau 11	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, biofilm on a rock
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951814	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/09/02	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464; Martins et al. (2007) Toxicon 50, 791–799; Martins et al. (2008) Mar. Drugs 6(1), 1-11		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

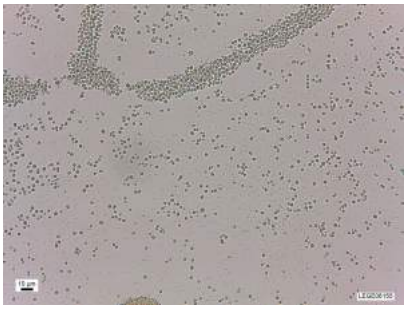
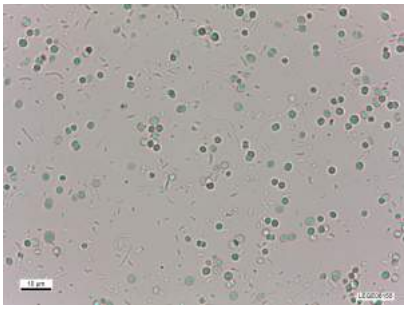
Strain ID	**Synechocystis salina LEGE 00037**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,3±0,3
Other Code(s)	strain 1, LEANCYA 1, LEAN 211	**Taxonomic notes/diacritical features**	
Parent Sample	Moledo 7	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, microbial mat on a Sabellaria alveolata reef
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951815	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/15	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464; Selheim et al. (2005) Aquat. Toxicol. 74, 294–306; Martins et al. (2007) Toxicon 50, 791–799; Martins et al. (2008) Mar. Drugs 6(1), 1-11		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

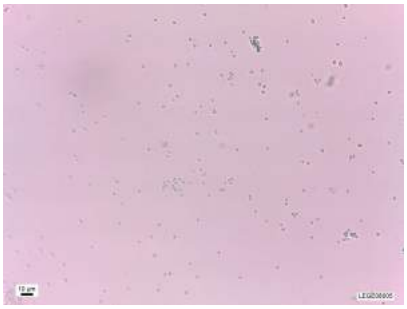
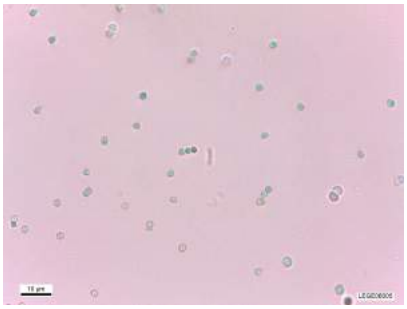
Strain ID	**Synechocystis salina LEGE 00038**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,9±0,1
Other Code(s)	LEAN 212	**Taxonomic notes/diacritical features**	
Parent Sample	Mindelo 13	**Macroscopic growth features**	color: cyano; forming a smooth biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, Sabellaria alveolata reef
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	EPS production
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951816	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/06/18	**Preservation type**	subculturing
Location	Portugal: Praia do Mindelo, Vila do Conde	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.30995 N 8.740322 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

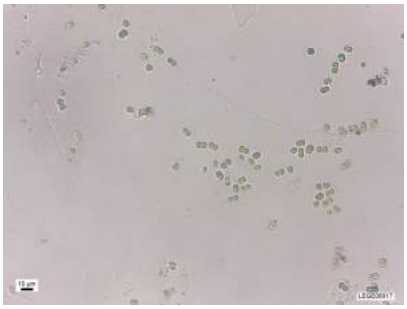
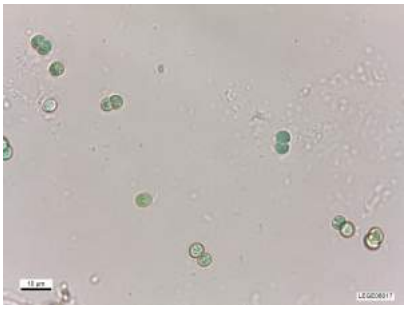
Strain ID	**Synechocystis salina LEGE 00040**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,9±0,2
Other Code(s)	LEAN 214	**Taxonomic notes/diacritical features**	
Parent Sample	VPA 4 (n)	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, on a Patella sp. shell
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951817	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/07/15	**Preservation type**	subculturing
Location	Portugal: Praia de Vila Praia de Âncora, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.81427 N 8.865131 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

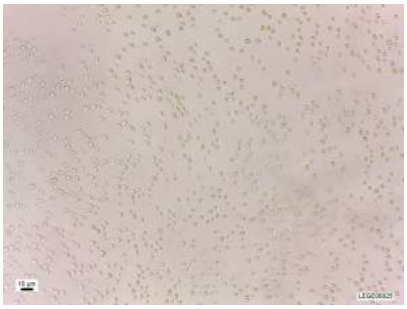
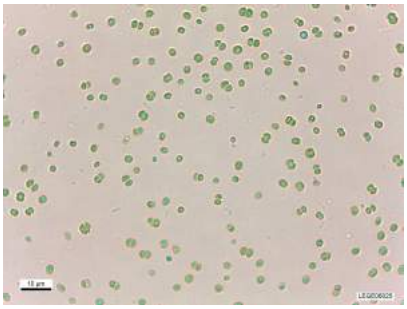
Strain ID	**Synechocystis salina LEGE 00041**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,9±0,5
Other Code(s)	strain 7, LEANCYA 7, LEAN 215	**Taxonomic notes/diacritical features**	
Parent Sample	Espinho 4 planct.	**Macroscopic growth features**	color: cyano; forming a smooth biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, intertidal zone, from a tide pool
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	EPS production
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951818	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/06/02	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia de Espinho	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.00847 N 8.646958 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464; Martins et al. (2007) Toxicon 50, 791–799; Martins et al. (2008) Mar. Drugs 6(1), 1-11		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

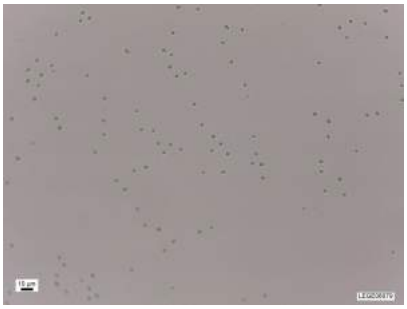
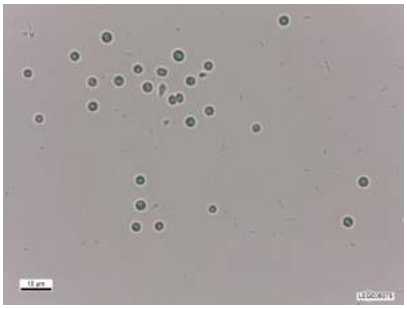
Strain ID	**Synechocystis salina LEGE 06099**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,8±0,2
Other Code(s)	LEAN 003	**Taxonomic notes/diacritical features**	cell ultrastructure data available
Parent Sample	O.06 MOL 19 - GADA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	wave-exposed tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	bartolosides and dehydroabietic acid production (unknown ecophysiological role)
Accession Number(s)_16S	KU951819	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813168, KC813169 (non-ribosomal peptide synthetase), KC842284 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/20	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses	Afonso T. (2014) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Couto M.S. (2015) MSc Dissertation, ESTSP, Polytechnic Institute of Porto, Porto, Portugal		

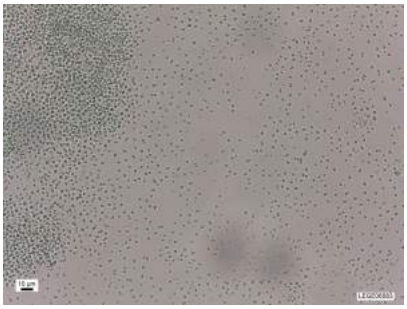
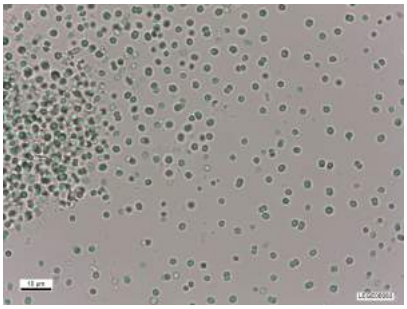
Strain ID	**Synechocystis salina LEGE 06155**		
Strain Taxonomy	Synechocystis salina Wislouch (1924)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,1±0,2
Other Code(s)	LEAN 069	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 BAR 8 - E	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	bartolosides production (unknown ecophysiological role)
Accession Number(s)_16S	HQ832911	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN and Z8 25‰ TM sea salt, w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/21	**Preservation type**	subculturing
Location	Portugal: Praia de São Bartolomeu do Mar, Esposende	**Light:dark cycle**	12:12-h/14:10-h
Latitude & Longitude	41.57377 N 8.798558 W	**Temperature (ºC)**	19/25
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Leão et al. (2015) Angew. Chem. 54 (38), 11063-11067		
References Publicly Available Theses	Ribeiro M.J. (2012) MSc Dissertation, Department of Chemistry, University of Aveiro, Aveiro, Portugal; Freitas S. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

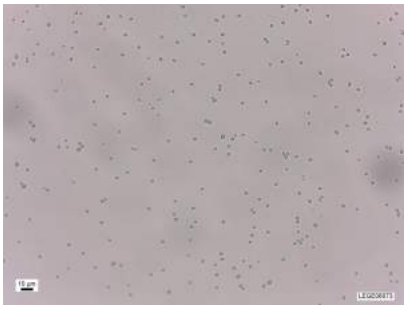
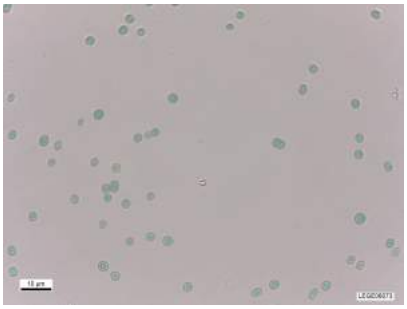
Strain ID	**Synechocystis sp. LEGE 06005**		
Strain Taxonomy	Synechocystis Sauvageau, C (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,8±0,3
Other Code(s)	strain 6, LEAN 109	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 6	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951820	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: São Pedro de Moel	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.75529 N 9.033400 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Frazão et al. (2010) Mar. Drugs 8, 1908-1919; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Costa et al. (2014) Mar. Drugs 12, 98-114		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

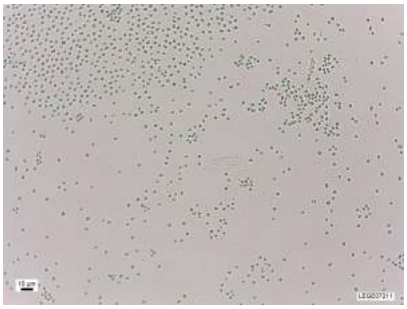
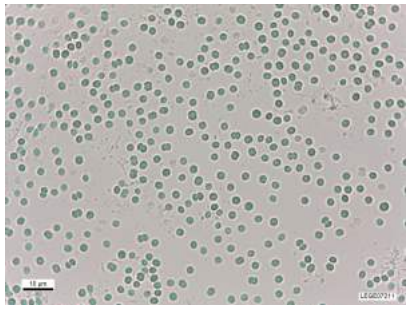
Strain ID	**Synechocystis sp. LEGE 06017**		
Strain Taxonomy	Synechocystis Sauvageau, C (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	LEGE 06019	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,5±0,5
Other Code(s)	strain 3, LEAN 101	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 3	**Macroscopic growth features**	color: cyano
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia dos Coxos, Sto. Isidoro	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.00455 N 9.425842 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

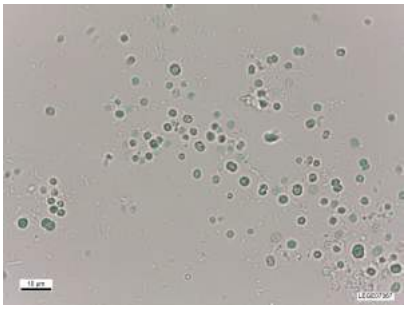
Strain ID	**Synechocystis sp. LEGE 06025**		
Strain Taxonomy	Synechocystis Sauvageau, C (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,7±0,4
Other Code(s)	strain 5, LEAN 115	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 5, 1 Empa	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951821	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia da Empa, Ericeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.98079 N 9.421944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

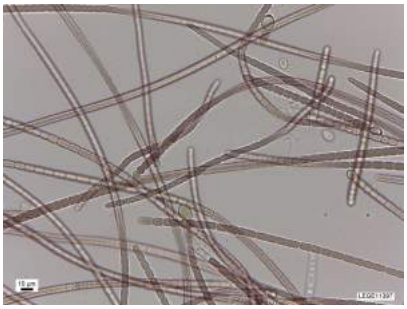
Strain ID	**Synechocystis sp. LEGE 06079**		
Strain Taxonomy	Synechocystis Sauvageau, C (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,7±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	VL 27	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	EPS production
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	dehydroabietic acid production (unknown ecophysiological production)
Accession Number(s)_16S	HM217076	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/27	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Douro estuary, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.13742 N 8.663667 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756; Baptista et al. (2015) Environ. Sci. Pollut. Res., 22, 12501-12510; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Vasconcelos R. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal;		

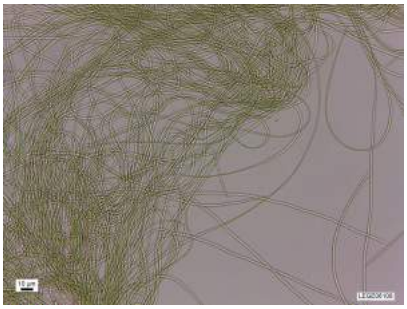
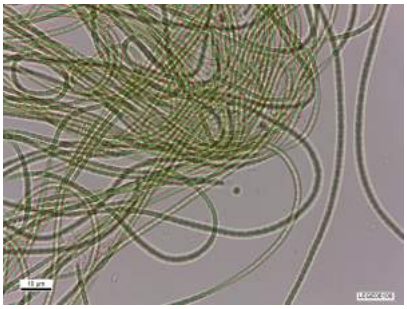
Strain ID	**Synechocystis sp. LEGE 06083**		
Strain Taxonomy	Synechocystis Sauvageau, C (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,9±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	distinguishable centro- and chromatoplasm
Parent Sample	VL PORTp131006	**Macroscopic growth features**	color: cyano; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample, on the estuary shore
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	EPS production
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217084	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/13	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.657972 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; ; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

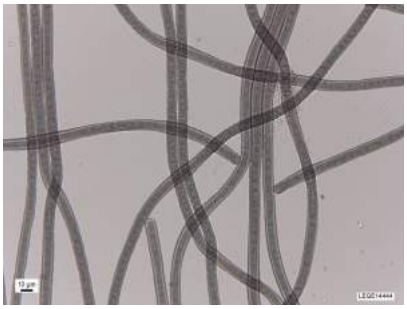
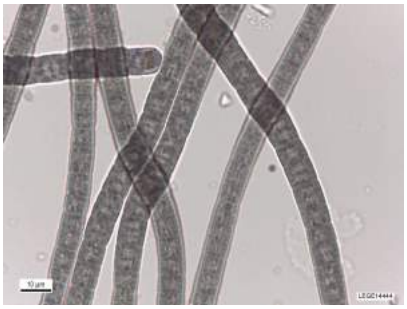
Strain ID	**Synechocystis sp. LEGE 07073**		
Strain Taxonomy	Synechocystis Sauvageau, C (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,5±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	VL JPp260307	**Macroscopic growth features**	color: cyano; growing homogeneously
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample, on the estuary shore
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217083	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/03/26	**Preservation type**	subculturing
Location	Portugal: Vouga estuary, Ria de Aveiro, São Jacinto	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.66644 N 8.725806 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; ; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

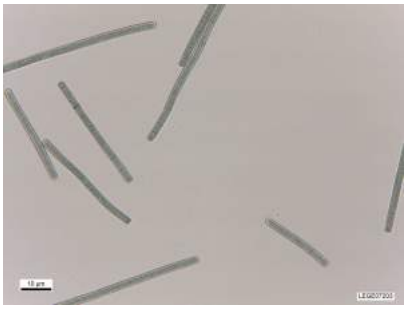
Strain ID	**Synechocystis sp. LEGE 07211**		
Strain Taxonomy	Synechocystis Sauvageau, C (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,1±0,2
Other Code(s)	LEAN JM 47	**Taxonomic notes/diacritical features**	
Parent Sample	A1 AG - 6 PQN δ y	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951822	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Aug-2007	**Preservation type**	subculturing, cryopreserved
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Martins J. (2008) MSc Dissertation, FFUP, University of Porto, Porto, Portugal		

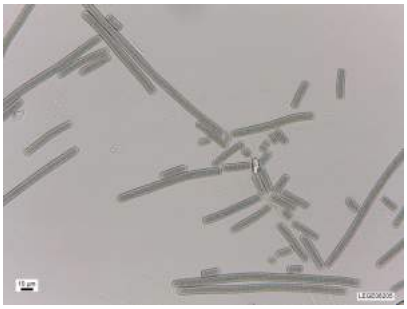
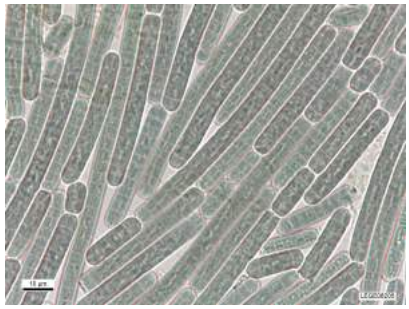
Strain ID	**Synechocystis sp. LEGE 07367**		
Strain Taxonomy	Synechocystis Sauvageau, C (1892)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,3±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	VL JPp160107	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample, near the shore
Order 2014 (Modern Taxonomy)	Chroococcales**	**Ecophysiological traits**	EPS production
Taxonomy Notes	**inconsistent; assignment supported by phylogeny	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951823	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/01/16	**Preservation type**	subculturing
Location	Portugal: Vouga estuary	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Tolypothrix sp. LEGE 11397**		
Strain Taxonomy	Tolypothrix Kützing ex Bornet, É & Flahault, C (1886)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,3±0,4 × 7,7±1,2 (Cells); Ø 6,0±1,3 (Terminal Heterocytes); 6,0±0,4 × 10,1±2,0 (Intercalar Heterocytes); 6,4±0,4 × 10,2±1,6 (Akinetes)
Other Code(s)		**Taxonomic notes/diacritical features**	terminal and intercalar heterocytes; hormogonia and necridic cells; facultative sheath
Parent Sample	Fi 1501	**Macroscopic growth features**	color: brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	in an aquarium with Azolla sp.
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation, EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KJ004418	**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2011	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

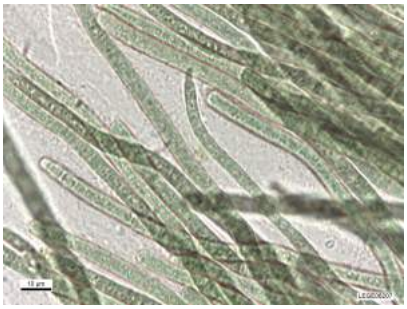
Strain ID	**Toxifilum mysidocida LEGE 06108**		
Strain Taxonomy	Toxifilum mysidocida Zimba, PV; Huang, IS; Foley, JE & Linton, EW (2017)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,3 × 2,3±0,4
Other Code(s)	LEAN 013	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 LUZ 10 - BAAA	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, rock surface scraping
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832942	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842357 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226; Zimba et al. (2016) J. Phycol. doi:10.1111/jpy.12490		
References Publicly Available Theses	Costa M.S. (2011) MSc Dissertation, ICBAS and FCUP, University of Porto, Porto, Portugal		

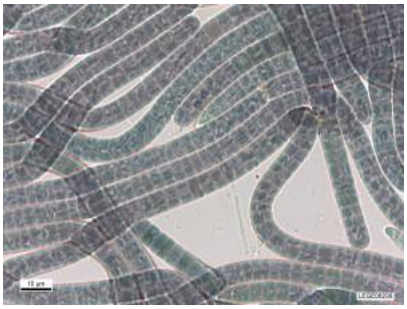
Strain ID	**Tychonema bornetii LEGE 14444**		
Strain Taxonomy	Tychonema bornetii (Zukal) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	7,7±0,7 × 2,7±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	straight to curved trichomes; with calyptra; hormogonia; with sheath
Parent Sample	Col.1 GAAA	**Macroscopic growth features**	color: dark olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951825	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2014	**Preservation type**	subculturing
Location	Colombia	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Tychonema sp. LEGE 06204**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,8±0,3 × 3,4±0,7
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 24/10 - 1	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes	Phormidium sp., group VII (Komárek & Anagnostidis, 2007)	**Notes on ecophysiological traits**	earth odour (geosmin?)
Accession Number(s)_16S	KC989699	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)	KF008256 (cyanobactin, N-terminal protease (A))	**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/27	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916		
References Publicly Available Theses			

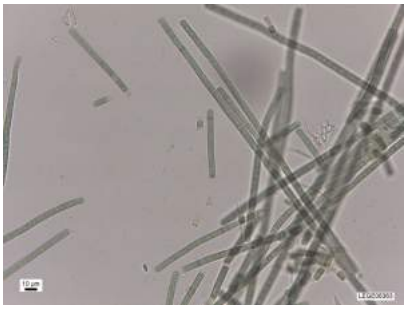
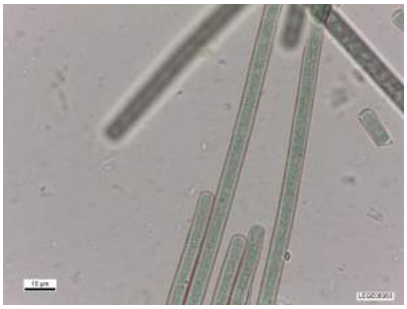
Strain ID	**Tychonema sp. LEGE 06205**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,4±0,5 × 3,0±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 24/10 - 7	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951826	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/27	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Tychonema sp. LEGE 06206**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,2±0,5 × 2,9±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 27/11 - 3	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951827	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	27-Nov-2006	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

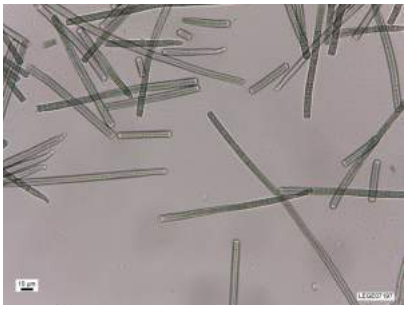
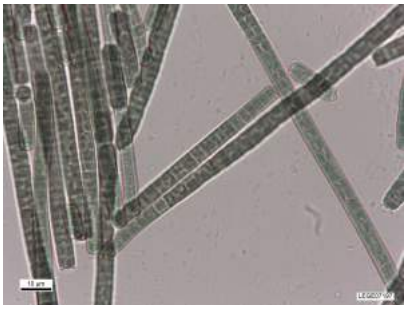
Strain ID	**Tychonema sp. LEGE 06207**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,6±0,6 × 3,2±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 29/12 - 1	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951828	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	29-Dec-2006	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

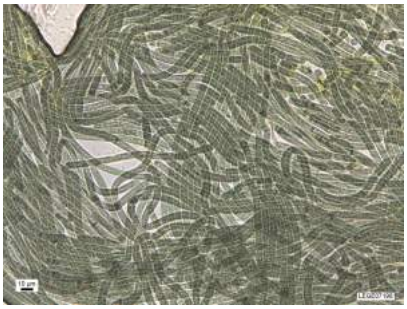
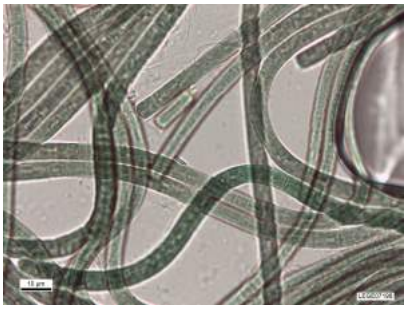
Strain ID	**Tychonema sp. LEGE 06208**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,8±0,6 × 3,4±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 29/12 - 5	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951829	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	29-Dec-2006	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**Tychonema sp. LEGE 06220**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,8±0,6 × 3,8±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 OUT - 2 16i	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951830	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Oct-2006	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

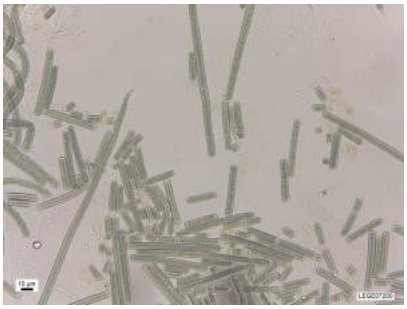
Strain ID	**Tychonema sp. LEGE 06363**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,0±0,5 × 3,0±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	necridic cells; with sheath
Parent Sample		**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	earth odour (geosmin?)
Accession Number(s)_16S	KC989700	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)	KF008257 (cyanobactin, N-terminal protease (A))	**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Oct-2006	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916; Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

Strain ID	**Tychonema sp. LEGE 07196**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,0±0,5 × 3,9±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 01/07 - 1	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951831	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jan-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

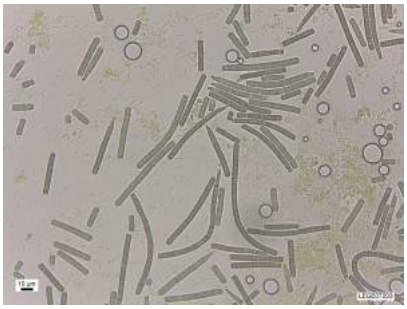
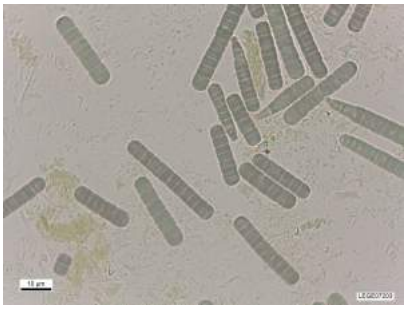
Strain ID	**Tychonema sp. LEGE 07197**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,5±0,1 × 3,6±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 01/07 - 5	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951832	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jan-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

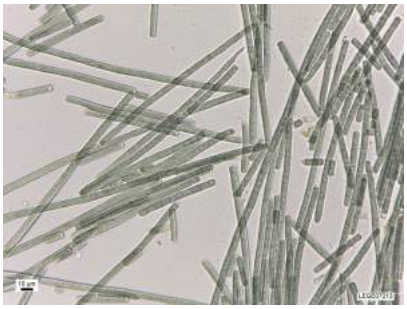
Strain ID	**Tychonema sp. LEGE 07198**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,2±0,4 × 2,6±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 01/07 - 8	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951833	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jan-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

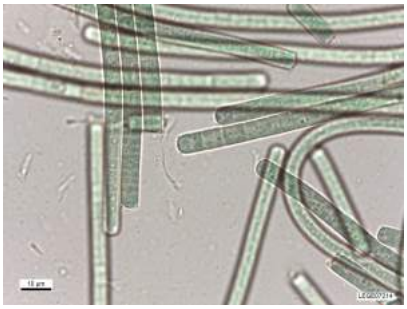
Strain ID	**Tychonema sp. LEGE 07199**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,8±0,6 × 2,7±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 01/07 - 12	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951834	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jan-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

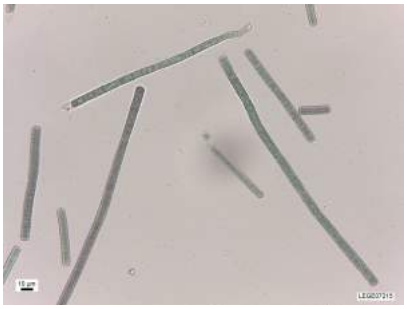
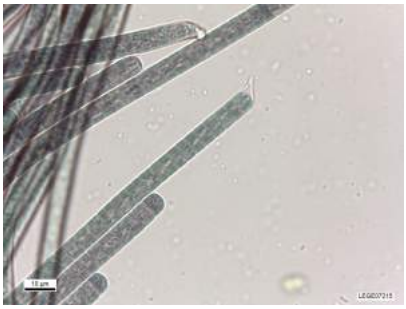
Strain ID	**Tychonema sp. LEGE 07200**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,9±0,4 × 2,9±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 01/07 - 13	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951835	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jan-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

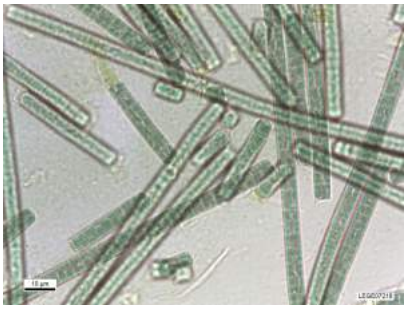
Strain ID	**Tychonema sp. LEGE 07202**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,4±0,6 × 3,4±0,9
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 02/07 - 6	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951836	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Feb-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

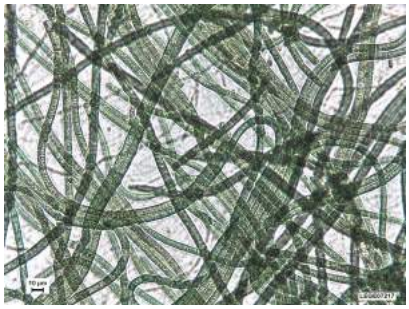
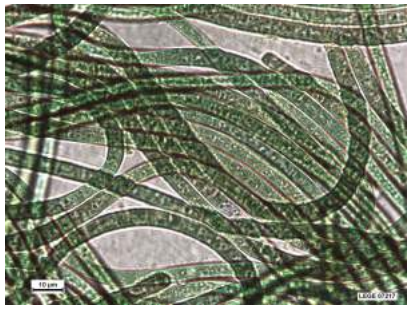
Strain ID	**Tychonema sp. LEGE 07203**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,5±0,5 × 2,4±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 04/07 - 6	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951837	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Apr-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

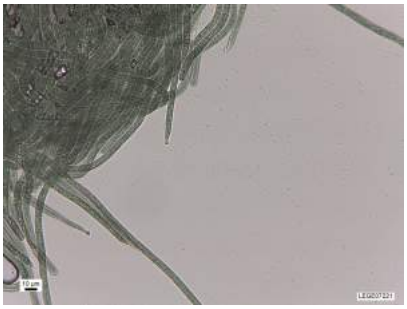
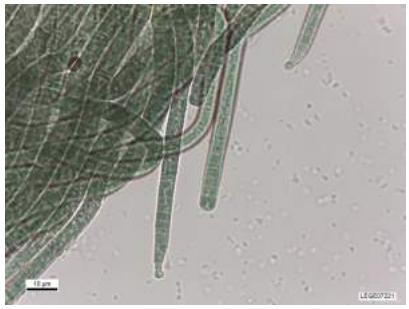
Strain ID	**Tychonema sp. LEGE 07213**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,5±0,4 × 3,9±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 JAN - 6 19i	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951838	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jan-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

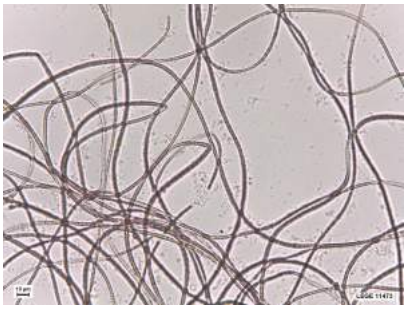
Strain ID	**Tychonema sp. LEGE 07214**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,9±0,4 × 3,9±0,7
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 JAN - 17 10i	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	earth odour (geosmin?)
Accession Number(s)_16S	KU951839	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jan-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

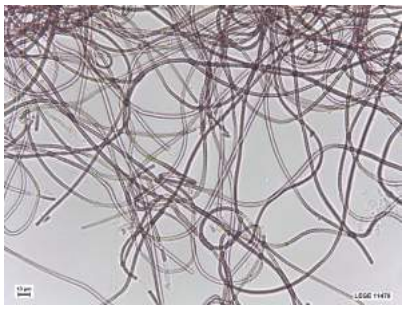
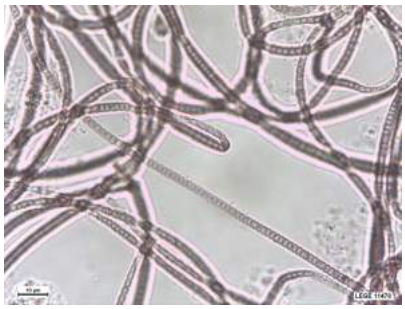
Strain ID	**Tychonema sp. LEGE 07215**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,6±0,4 × 4,2±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 JAN - 17 17i	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes	Phormidium sp., group VII (Komárek & Anagnostidis, 2007)	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KC989698	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)	KF008255 (cyanobactin, N-terminal protease (A))	**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Jan-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2013) Mar. Drugs 11 (12), 4902-4916		
References Publicly Available Theses			

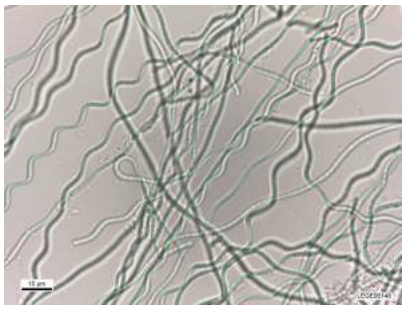
Strain ID	**Tychonema sp. LEGE 07216**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,6±0,4 × 3,7±0,7
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 MAR - P1 24i	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951840	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Mar-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

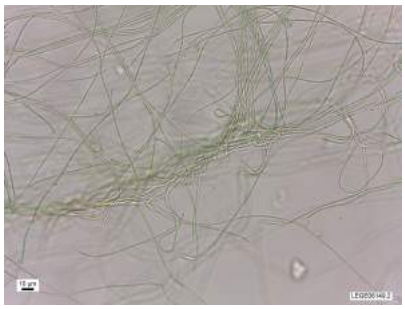
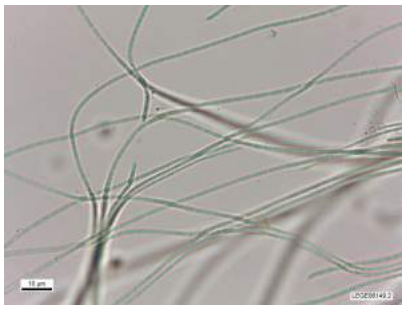
Strain ID	**Tychonema sp. LEGE 07217**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,3±0,5 × 3,8±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 MAR - 4 23i	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951841	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial, delicate
Collection Date	Mar-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

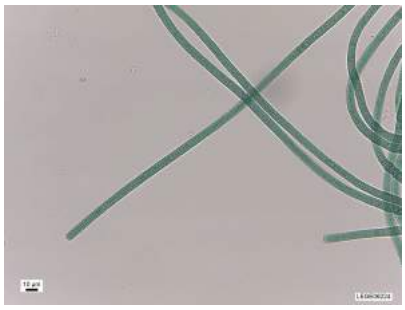
Strain ID	**Tychonema sp. LEGE 07221**		
Strain Taxonomy	Tychonema Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,4±0,6 × 3,7±0,7
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes slightly bent and narrowed toward ends; terminal cells rounded, blunted or capitate, often with a narrow calyptra; keritomized chromatoplasma; facultative sheath
Parent Sample	A1 F2	**Macroscopic growth features**	color: olive green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951842	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Feb-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**aff. Leptolyngbya ectocarpi LEGE 11473**		
Strain Taxonomy	Leptolyngbya ectocarpi (Gomont) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,5±0,4 × 2,2±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	3.001.0911	**Macroscopic growth features**	color: brownish; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (6 m depth), near the south quay of the Leixões harbour
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951663	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: at [115], diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.17652 N 8.700633 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

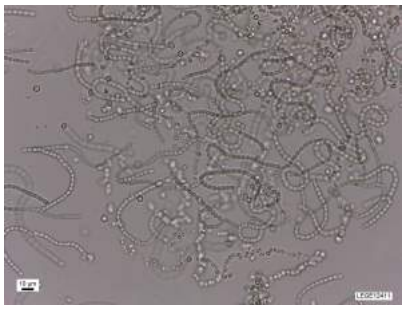
Strain ID	**aff. Leptolyngbya ectocarpi LEGE 11478**		
Strain Taxonomy	Leptolyngbya ectocarpi (Gomont) Anagnostidis, K & Komárek, J (1988)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,0±0,3 × 1,5±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	with isodiametric cells; with sheath
Parent Sample	3.002.0911	**Macroscopic growth features**	color: brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (10-13m depth), less than 1 km off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	ready to submit	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: 'Pêlo Negro', diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.18557 N 8.719100 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

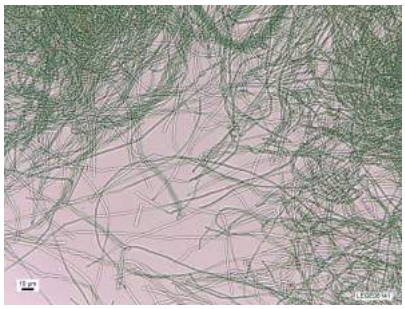
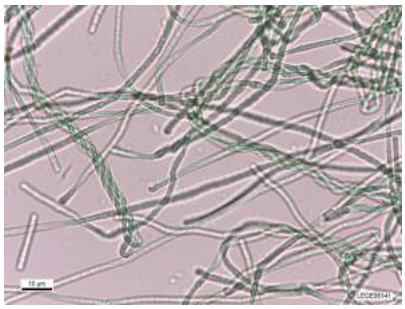
Strain ID	**aff. Nodosilinea sp. LEGE 06148**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,2 × 1,8±0,3
Other Code(s)	LEAN 061	**Taxonomic notes/diacritical features**	loose helical coiled filaments observed
Parent Sample	O.06 MOL 19 - GEA-B	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951664	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/20	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335		
References Publicly Available Theses			

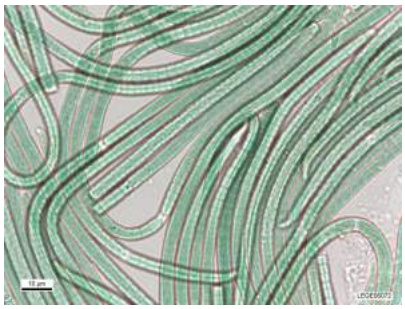
Strain ID	**aff. Nodosilinea sp. LEGE 06149.2**		
Strain Taxonomy	Nodosilinea Perkerson, RB & Casamatta DA in Perkerson et al (2011)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,2 × 3,5±0,6
Other Code(s)	LEAN 062.2	**Taxonomic notes/diacritical features**	with sheath
Parent Sample	O.06 MOL 2 - DAA/DB-A/C	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, on a submerged stone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951773	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/20	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

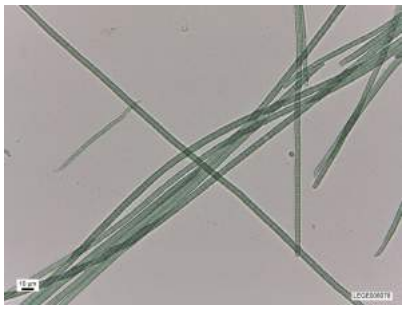
Strain ID	**aff. Planktothrix mougeotii LEGE 06224**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,0±0,7 × 2,4±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with vacuolated cells, hormogonia and necridic cells; facultative sheath
Parent Sample	A5 24/10 - 11	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	floating masses, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951665	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/27	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

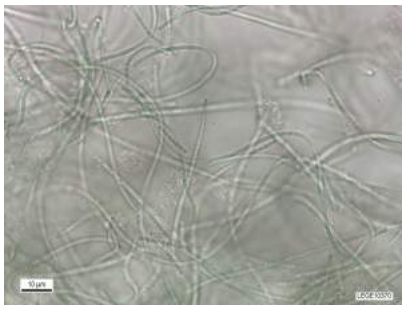
Strain ID	**aff. Planktothrix mougeotii LEGE 07227**		
Strain Taxonomy	Planktothrix mougeotii (Kützing ex Lemmermann) Suda, S; Watanabe, M; Otsuka, S; Mahakahant, A; Yongmanitchai, W; Nopartnaraporn, N; Liu, Y & Day, JG (2002)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,8±0,8 × 2,6±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes slightly constricted at cross-walls; discoid cells; hormogonia and necridic cells; with sheath
Parent Sample	A5 M2 29i	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	floating masses, from a secondary decanter tank bank
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951666	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	May-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

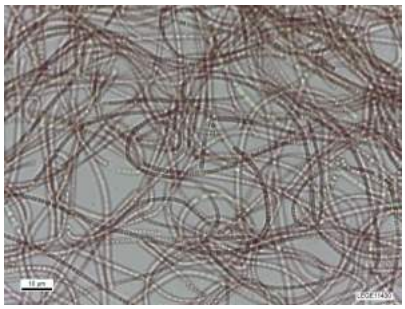
Strain ID	**aff. Roholtiella sp. LEGE 12411**		
Strain Taxonomy	Roholtiella Bohunická, M, Pietrasiak, N & Johansen, JR in Bohunická et al (2015)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,0±0,2 × 3,2±0,5 (cells); 3,7±0,5 × 3,1±0,5 (heterocytes)
Other Code(s)		**Taxonomic notes/diacritical features**	some sac-like gelatinous thalli; with sheath
Parent Sample	MOS 7-BAA	**Macroscopic growth features**	color: greenish; forming aggregates; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	benthic mat, on an ephemeral stream
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation, EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951667	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Requeixada, Mós, Torre de Moncorvo	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

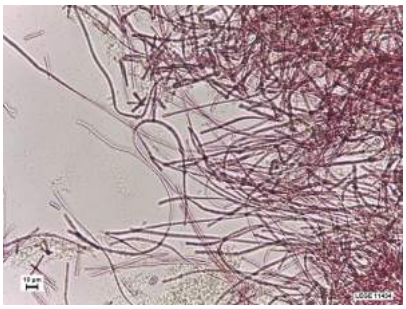
Strain ID	**cf. Oculatella sp. LEGE 06141**		
Strain Taxonomy	Oculatella Zammit, G; Billi, D & Albertano, P (2012)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,2 × 3,4±0,4
Other Code(s)	LEAN 052	**Taxonomic notes/diacritical features**	some filaments loosely coiled; terminal cells sometimes irregularly shaped
Parent Sample	O.06 LUZ 3 - CAA	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on green macroalga
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951789	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

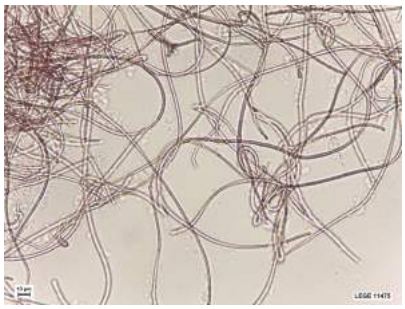
Strain ID	**cf. Oxynema acuminatum LEGE 06072**		
Strain Taxonomy	Oxynema acuminatum (Gomont) Chatchawan, T; Komárek, J; Strunecky, O; Smarda, J & Peerapornpisal, Y (2012)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,1±0,3 × 2,9±0,9
Other Code(s)		**Taxonomic notes/diacritical features**	sometimes, the end of the trichome is distinctly hooked; facultative sheath
Parent Sample	VL 104	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes	Phormidium sp., group II (Komárek & Anagnostidis, 2007)	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217077	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Dec-2006	**Preservation type**	subculturing
Location	Portugal: Vouga estuary, Ria de Aveiro, São Jacinto	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.66644 N 8.725806 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

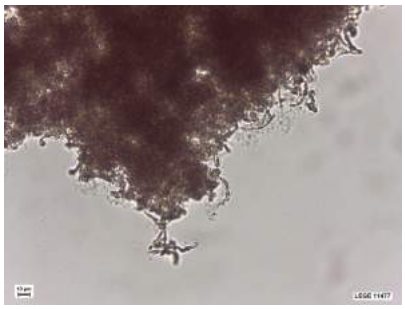
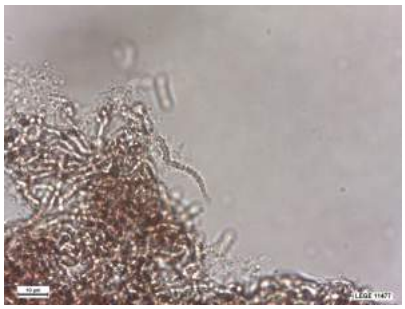
Strain ID	**cf. Oxynema acuminatum LEGE 06078**		
Strain Taxonomy	Oxynema acuminatum (Gomont) Chatchawan, T; Komárek, J; Strunecky, O; Smarda, J & Peerapornpisal, Y (2012)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	4,7±0,5 × 2,9±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	sometimes, the end of the trichome is distinctly hooked; hormogonia
Parent Sample	VL 26	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes	Phormidium sp., group II (Komárek & Anagnostidis, 2007)	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217075	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/27	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.13742 N 8.663667 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

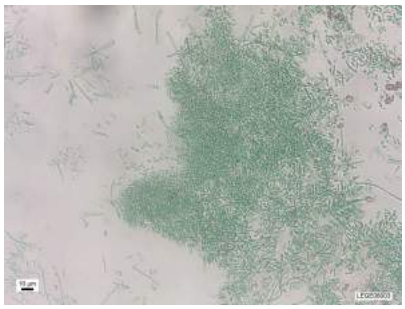
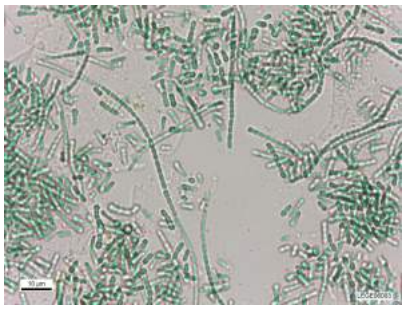
Strain ID	**cf. Phormidesmis sp. LEGE 10370**		
Strain Taxonomy	Phormidesmis Turicchia, S; Ventura, S; Komárková, J & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 × 1,5±0,3
Other Code(s)	12A	**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls; facultative sheath
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	JQ927344	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/09/10	**Preservation type**	subculturing
Location	Portugal: Praia da Memória	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.23119 N 8.721750 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**cf. Phormidesmis sp. LEGE 11430**		
Strain Taxonomy	Phormidesmis Turicchia, S; Ventura, S; Komárková, J & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 1,8±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	12.003.1011_AP.H(2)1.A	**Macroscopic growth features**	color: brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951669	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing, cryopreserved
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

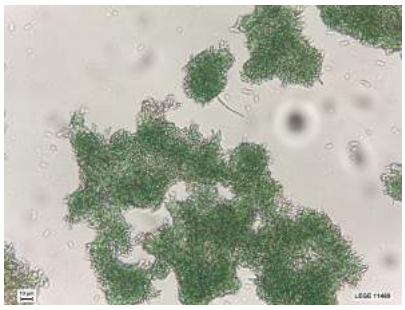
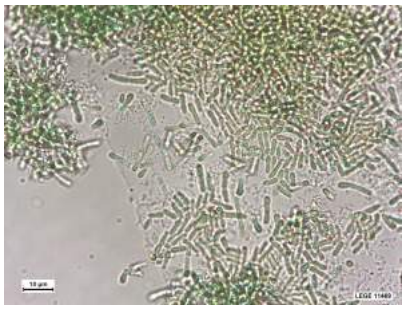
Strain ID	**cf. Phormidesmis sp. LEGE 11434**		
Strain Taxonomy	Phormidesmis Turicchia, S; Ventura, S; Komárková, J & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 3,7±1,0
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	2.002.09.11_AP.L/a	**Macroscopic growth features**	color: reddish; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951670	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

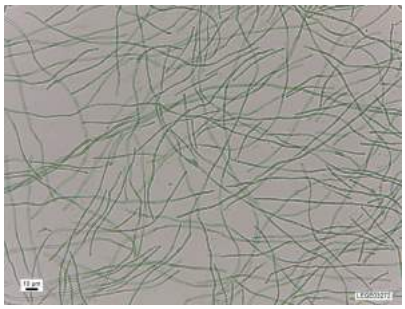
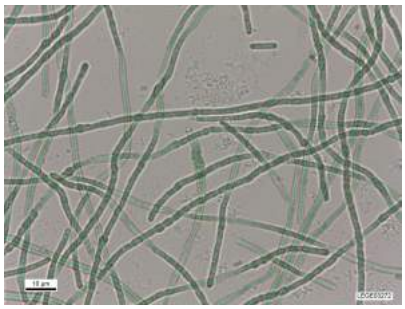
Strain ID	**cf. Phormidesmis sp. LEGE 11475**		
Strain Taxonomy	Phormidesmis Turicchia, S; Ventura, S; Komárková, J & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,1±0,4 × 1,8±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	9.003.1011	**Macroscopic growth features**	color: brownish; growing homogeneously and forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951671	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial, delicate
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

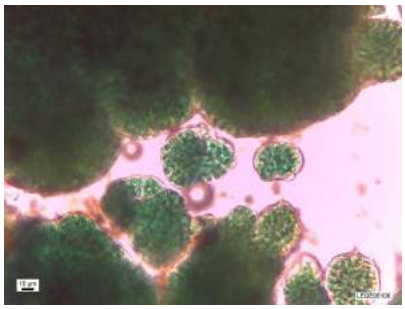
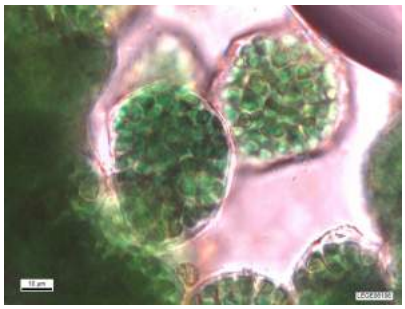
Strain ID	**cf. Phormidesmis sp. LEGE 11477**		
Strain Taxonomy	Phormidesmis Turicchia, S; Ventura, S; Komárková, J & Komárek, J (2009)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,3 × 1,4±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	with facultative sheath
Parent Sample	2.001.0911	**Macroscopic growth features**	color: brownish; growing homogeneously and forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (6 m depth), near the south quay of the Leixões harbour
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951672	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: at [115], diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.17652 N 8.700633 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

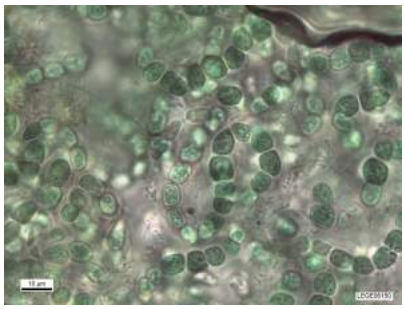
Strain ID	**cf. Romeria sp. LEGE 06003**		
Strain Taxonomy	Romeria Koczwara, M in Geitler, L (1932)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 2,0±0,5
Other Code(s)	LEAN 124	**Taxonomic notes/diacritical features**	mainly short trichomes
Parent Sample	1 Buarcos	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaena aff. curta/cf. Romeria sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951865	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia de Buarcos	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.15621 N 8.871803 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

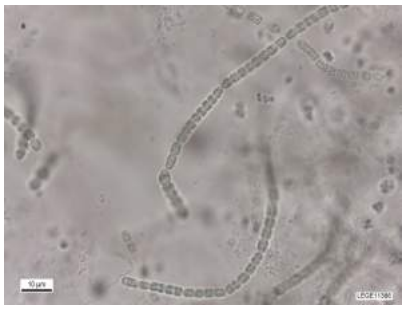
Strain ID	**cf. Romeria sp. LEGE 06013**		
Strain Taxonomy	Romeria Koczwara, M in Geitler, L (1932)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,1 × 2,2±0,4
Other Code(s)	strain 15, LEAN 118	**Taxonomic notes/diacritical features**	irregular filaments, with terminal cells conical-rounded; constricted at cross-walls; facultative sheath
Parent Sample	Ref. 15, Arelho 1	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951673	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)	KC842334, KC842335 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia da Foz do Arelho, Caldas da Rainha	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.43327 N 9.230275 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Ribeiro M.J. (2012) MSc Dissertation, Department of Chemistry, University of Aveiro, Aveiro, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

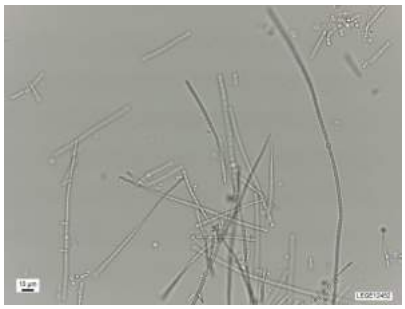
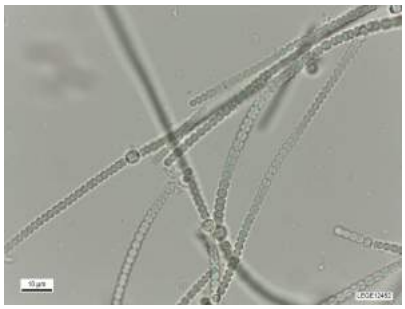
Strain ID	**cf. Romeria sp. LEGE 11469**		
Strain Taxonomy	Romeria Koczwara, M in Geitler, L (1932)		
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,2 × 1,9±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	short trichomes, constricted at cross-walls
Parent Sample	15.003.1011	**Macroscopic growth features**	color: cyano; growing homogeneously and forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951858	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

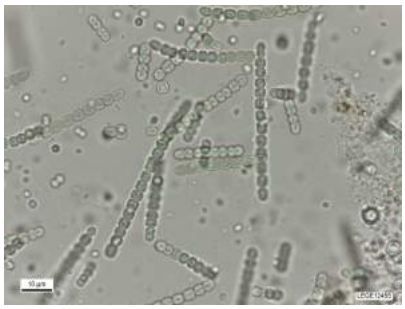
Strain ID	**unidentified Nostocales LEGE 03272**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,7±0,2 × 3,2±0,6
Other Code(s)	J68, LEANJ.68	**Taxonomic notes/diacritical features**	trichomes with irregularly shaped cells and anastomosis-like structures
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Oswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2003/09/26	**Preservation type**	subculturing
Location	Portugal: Lagoa dos Salgados, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

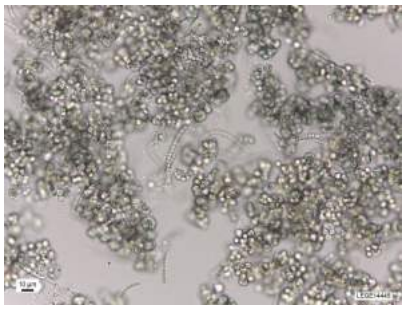
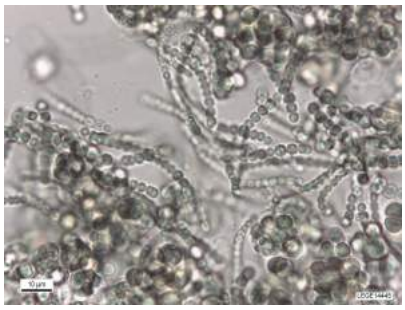
Strain ID	**unidentified Nostocales LEGE 06106**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,7±0,8 (Cells); Ø 45,1±10,1 (Colonies)
Other Code(s)	LEAN 010	**Taxonomic notes/diacritical features**	colonies of filaments, within mucilaginous envelopes
Parent Sample	O.06 BAR 10 - ABA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes	Hapalosiphonaceae-like cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951876	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC243672 (dinitrogenase reductase, nifH), KC813176 (non-ribosomal peptide synthetase), KC842306-KC842308 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/21	**Preservation type**	subculturing
Location	Portugal: Praia de São Bartolomeu do Mar, Esposende	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.57377 N 8.798558 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

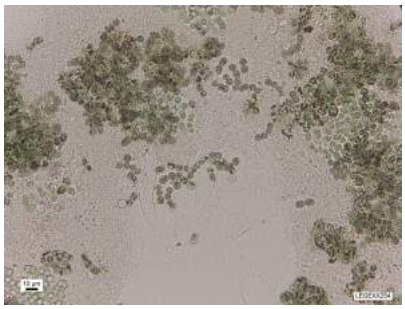
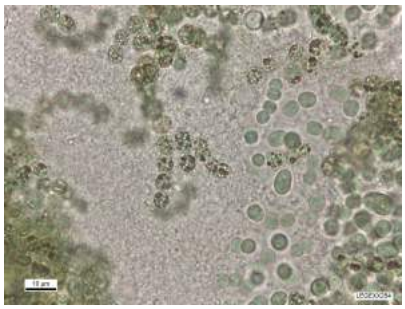
Strain ID	**unidentified Nostocales LEGE 06150**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,5±0,7 × 7,3±1,4
Other Code(s)	LEAN 063	**Taxonomic notes/diacritical features**	sac-like gelatinous thalli; true branching (?) observed; with sheath
Parent Sample	O.06 BAR 10 - ACB-J	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes	Hapalosiphonaceae-like cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832910	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC256764 (dinitrogenase reductase, nifH), KC813179 (non-ribosomal peptide synthetase), KC842313, KC842313 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/21	**Preservation type**	subculturing
Location	Portugal: Praia de São Bartolomeu do Mar, Esposende	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.57377 N 8.798558 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

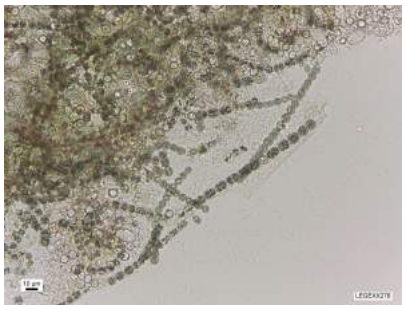
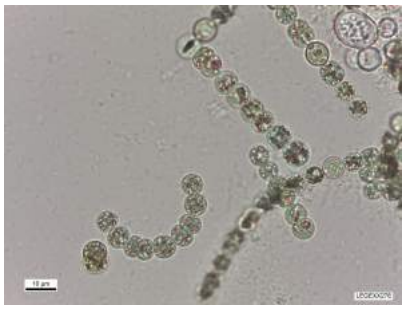
Strain ID	**unidentified Nostocales LEGE 11386**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,2±0,6 × 4,2±1,3
Other Code(s)	1MC	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	nitrogen-fixation
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951877	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vivas J. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

Strain ID	**unidentified Nostocales LEGE 12452**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,2±0,3 × 2,2±0,6 (Cells); Ø 3,3±1,7 (Heterocytes)
Other Code(s)	Ev1	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: olive green; growing homogeneously; mucilaginous
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos villosus)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Tropical Botanical Garden of Lisbon	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.69819 N 9.203429 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

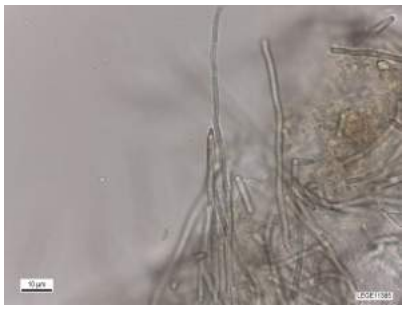
Strain ID	**unidentified Nostocales LEGE 12455**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,8±0,2 × 3,1±0,6 (Cells); Ø 3,8±0,5 (Heterocytes)
Other Code(s)	ELeh1	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: olive green; forming aggregates
Isolation Date		**Environment**	terrestrial
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	cycad coralloid root (host: Encephalartos lehmannii)
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Ana L. Pereira
Accession Number(s)_others (product/gene /region)		**Medium**	BG11o
Collector	Ana L. Pereira	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Portugal: Tropical Botanical Garden of Lisbon	**Light:dark cycle**	12:12-h
Latitude & Longitude	38.69819 N 9.203429 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

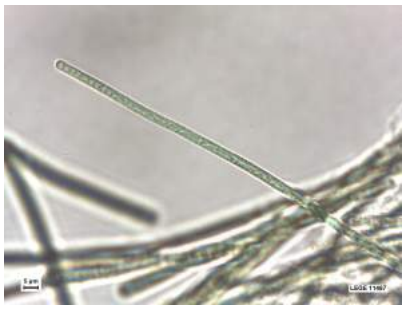
Strain ID	**unidentified Nostocales LEGE 14445**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,6±0,5 × 2,6±0,6 (Filaments); 4,0±0,9 (Spherical cells)
Other Code(s)		**Taxonomic notes/diacritical features**	life cycle showing a "pleurocapsalean" stage
Parent Sample	Col.1 HB	**Macroscopic growth features**	color: grayish-green; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951824	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2014	**Preservation type**	subculturing, cryopreserved
Location	Colombia	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**unidentified Nostocales LEGE XX254**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,3±1,8 × 5,3±1,2 (cells); Ø 5,6±0,7 (Spherical Heterocytes)
Other Code(s)	J84, LEANJ.84	**Taxonomic notes/diacritical features**	highly coiled trichomes; vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Osswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	Portugal: Raia riverside, municipality of Moura	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

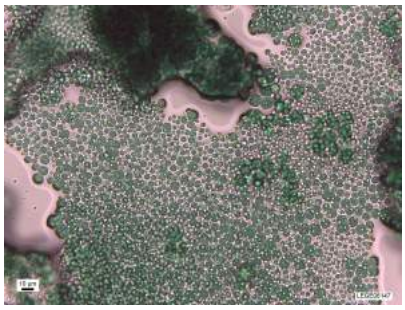
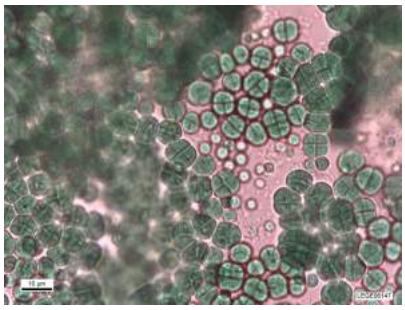
Strain ID	**unidentified Nostocales LEGE XX276**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	6,1±1,6 × 6,0±1,5 (Cells); Ø 6,0±0,7 (Heterocytes); 10,5±1,5 × 16±2,0 (Akinetes)
Other Code(s)	J89, LEANJ.89	**Taxonomic notes/diacritical features**	straight to coiled trichomes; vacuolated cells
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Nostocales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Nostocales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Joana Osswald
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Osswald	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	Portugal: Raia riverside, municipality of Moura	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

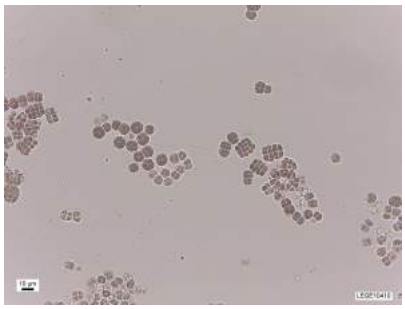
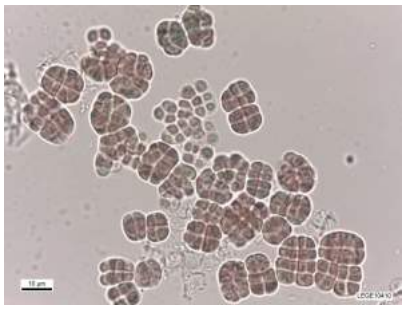
Strain ID	unidentified Oscillatoriales LEGE 00049		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	5,1±0,8 × 2,4±1,2
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes sometimes bent toward ends; hormogonia; with sheath
Parent Sample	Alisir Osc	**Macroscopic growth features**	color: cyano; forming a firm biofilm and tuft-like aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing
Location	Morocco: Al Massira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

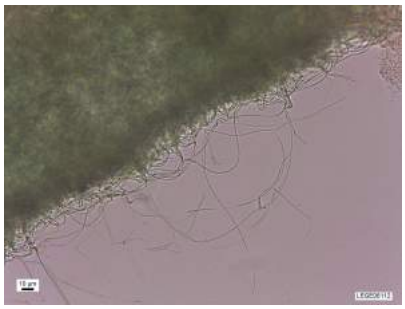
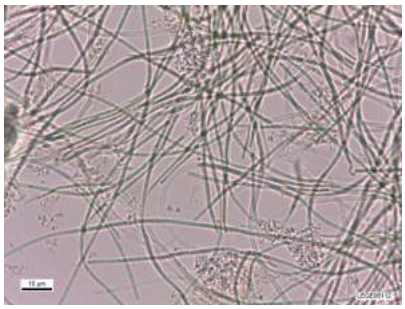
Strain ID	**unidentified Oscillatoriales LEGE 11385**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,7±0,3 × 3,5±0,9
Other Code(s)	21D	**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls, with their ends often distinctly hooked; distinguishable centro- and chromatoplasm; facultative sheath
Parent Sample		**Macroscopic growth features**	color: olive green
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011	**Preservation type**	subculturing
Location	Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

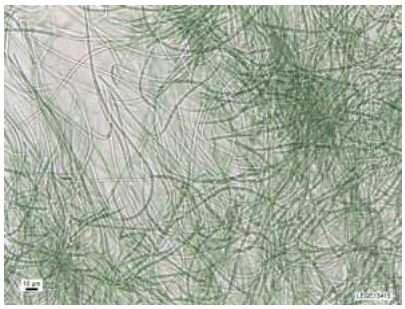
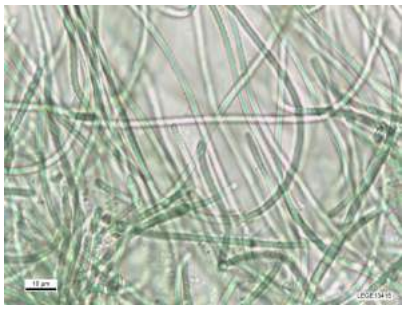
Strain ID	**unidentified Oscillatoriales LEGE 11467**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,3±0,6 × 1,8±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	straight trichomes
Parent Sample	8.003.1011	**Macroscopic growth features**	color: dark cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	Oscillatoriales	**Ecophysiological traits**	
Taxonomy Notes	Phormidium-like sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951878	**Isolator**	Sébastien Brûle/Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

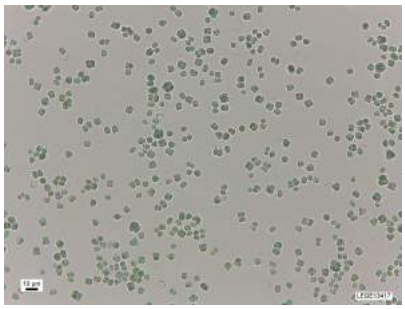
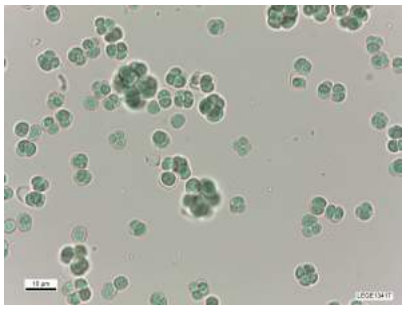
Strain ID	**unidentified Oscillatoriales LEGE 11472**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	3,0±0,7 × 2,6±1,0
Other Code(s)		**Taxonomic notes/diacritical features**	keratomized chromatoplasma; with sheath
Parent Sample	8.003.1011	**Macroscopic growth features**	color: cyano-greenish; forming a firm/leather-like biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes	Phormidium-like sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

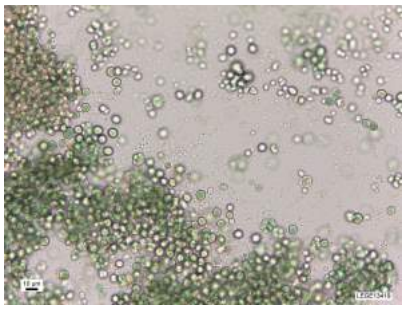
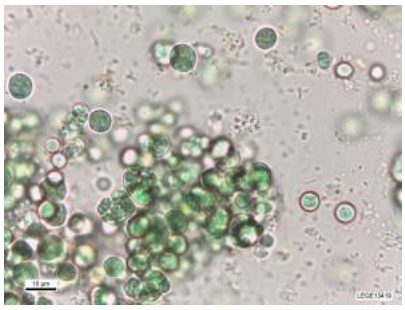
Strain ID	**unidentified Pleurocapsales LEGE 06147**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,6±0,4 (Cells); Ø 7,7±0,8 (Group of 4 Cells)
Other Code(s)	LEAN 060	**Taxonomic notes/diacritical features**	colonial; with baeocytes
Parent Sample	O.06 MOL 14 - C	**Macroscopic growth features**	color: cyano; forming a firm biofilm and also aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Pleurocapsales	**Habitat Sample Description**	intertidal zone, wave-exposed rock surface scraping
Order 2014 (Modern Taxonomy)	Pleurocapsales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951879	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/20	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493		
References Publicly Available Theses			

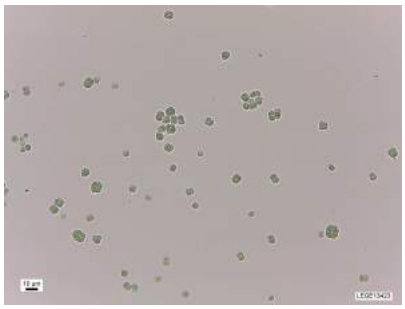
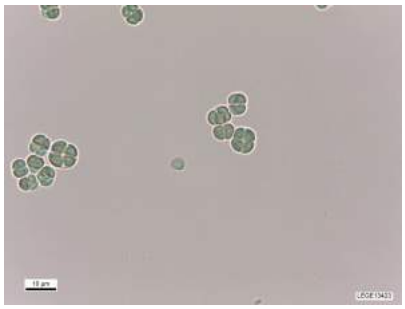
Strain ID	**unidentified Pleurocapsales LEGE 10410**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 2,1±0,4 (more or less spherical cells); Ø 12,0±2,2 (Clusters of 14-16 cells)
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	22T-2AAA	**Macroscopic growth features**	color: brown-reddish; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Pleurocapsales	**Habitat Sample Description**	intertidal zone, green biofilm on a pebblestone
Order 2014 (Modern Taxonomy)	Pleurocapsales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951880	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/04/28	**Preservation type**	subculturing
Location	Portugal: Vila Nova de Mil Fontes	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.719139 N 8.791014 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Afonso T. (2014) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

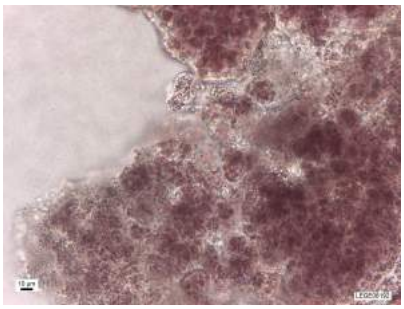
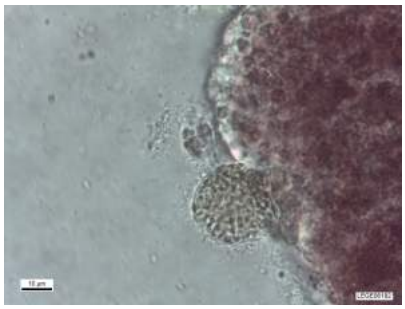
Strain ID	**unidentified Pseudanabaenaceae cyanobacterium LEGE 06112**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 x 3,5±1,0
Other Code(s)	LEAN 017	**Taxonomic notes/diacritical features**	hardly distinguished cell walls; facultative sheath
Parent Sample	O.06 MAR 5 - GA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	wave-exposed tide pool, rock surface
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/11	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

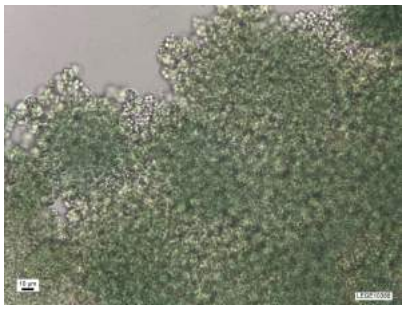
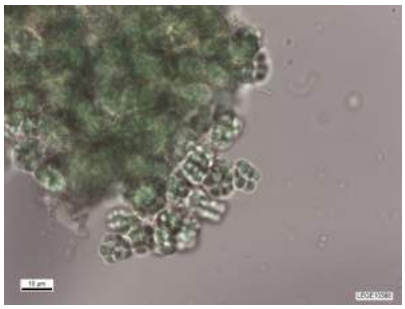
Strain ID	**unidentified Pseudanabaenaceae cyanobacterium LEGE 13415**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,9±0,2 × 1,6±0,3
Other Code(s)	C1F	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	"Chlorella" dietary supplement, powder form. Producer/brand: Iswari
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes	Leptolyngbya-like sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S		**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

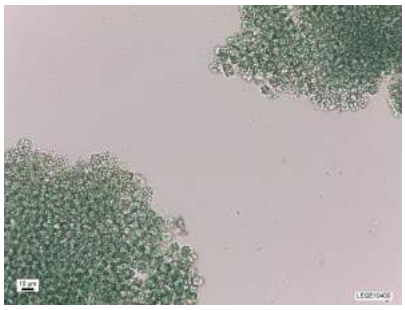
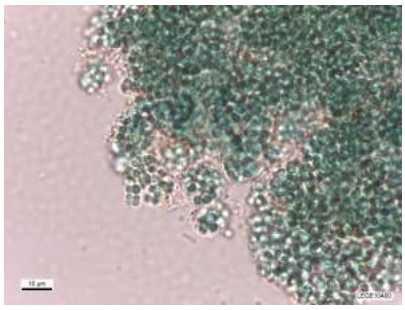
Strain ID	**unidentified colonial Chroococcidiopsidales LEGE 13417**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,4±0,6 (Cells); Ø 5,1±0,8 (Group of 4 Cells)
Other Code(s)	C4C	**Taxonomic notes/diacritical features**	with sheath
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	"Chlorella" dietary supplement, tablet form. Producer/brand: Be-Life
Order 2014 (Modern Taxonomy)	Chroococcidiopsidales	**Ecophysiological traits**	
Taxonomy Notes	Chroococcus-like sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951843	**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

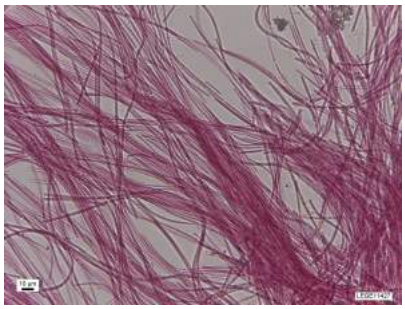
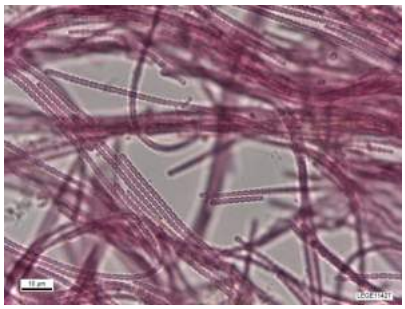
Strain ID	**unidentified colonial Chroococcidiopsidales LEGE 13419**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 5,9±1,3
Other Code(s)	S1C	**Taxonomic notes/diacritical features**	baeocytes observed; with sheath
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	"Spirulina" dietary supplements, powder form. Producer/brand: Iswari
Order 2014 (Modern Taxonomy)	Chroococcidiopsidales	**Ecophysiological traits**	
Taxonomy Notes	Gloeocapsa-like sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951844	**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

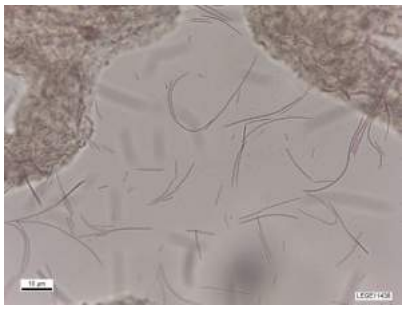
Strain ID	**unidentified colonial Chroococcidiopsidales LEGE 13423**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 3,6±0,6 (more or less spherical cells)
Other Code(s)	S6C	**Taxonomic notes/diacritical features**	with sheath
Parent Sample		**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	"Spirulina" dietary supplements, capsules form. Producer/brand: Solaray
Order 2014 (Modern Taxonomy)	Chroococcidiopsidales	**Ecophysiological traits**	
Taxonomy Notes	Gloeocapsopsis-like sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951845	**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

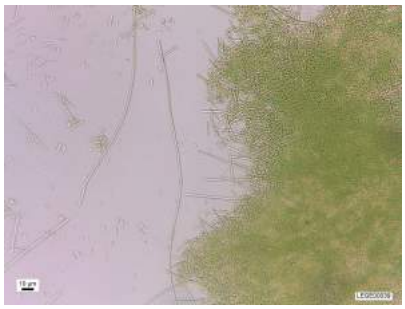
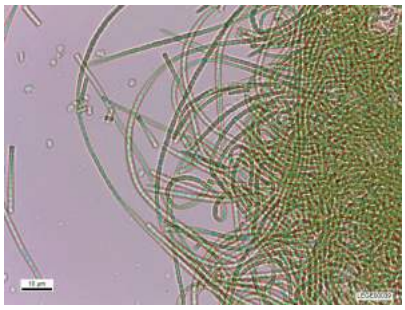
Strain ID	**unidentified colonial Synechococcales LEGE 06192**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,3±0,2 (Spherical Cells)
Other Code(s)	LEAN 157	**Taxonomic notes/diacritical features**	mucilaginous clusters of cells
Parent Sample	O.06 BUR p4 - AA	**Macroscopic growth features**	color: brown-reddish; forming aggregates/colonies
Isolation Date	2007	**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	coastal sea water, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	capsules
Accession Number(s)_16S	KC249951	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/11	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Dvořák et al. (2014) Mol. Ecol. 23, 5538–5551		
References Publicly Available Theses			

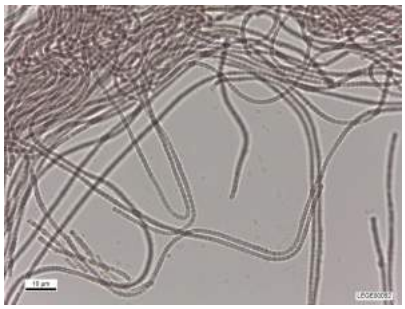
Strain ID	**unidentified colonial Synechococcales LEGE 10388**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,8±0,4 (more or less spherical cells)
Other Code(s)		**Taxonomic notes/diacritical features**	distinguishable centro- and chromatoplasm; clusters of less than 16 cells
Parent Sample	27C-1-B	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, from a dark mat, on a wave exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes	Gloeothece-like sp.	**Notes on ecophysiological traits**	dehydroabietic acid production (unknown ecophysiological role)
Accession Number(s)_16S	New Seq + KT951669	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/04/28	**Preservation type**	subculturing
Location	Portugal: Vila Nova de Mil Fontes	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.719139 N 8.791014 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Costa et al. (2016) Sci. Rep. 6, 23436		
References Publicly Available Theses			

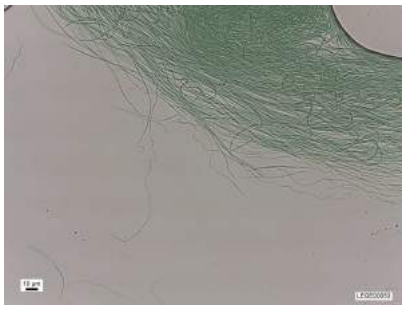
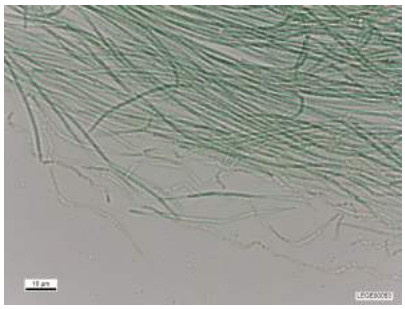
Strain ID	**unidentified colonial Synechococcales LEGE 10400**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,7±0,4 (more or less spherical cells)
Other Code(s)		**Taxonomic notes/diacritical features**	forming nanocytes?; with sheath
Parent Sample	57-AAAA	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, from a brown mat
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951846	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/07/14	**Preservation type**	subculturing
Location	Portugal: São Martinho do Porto bay, near the entrance of the sea	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.51130 N 9.141137 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**unidentified filamentous Chroococcales LEGE 11427**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,8±0,2 × 1,8±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls
Parent Sample	1.002.0911_AP.I(1)A-1	**Macroscopic growth features**	color: reddish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (10-13m depth), less than 1 km off the shore
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951847	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: 'Pêlo Negro', diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.18557 N 8.719100 W	**Temperature (ºC)**	19
		Light intensity	5 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

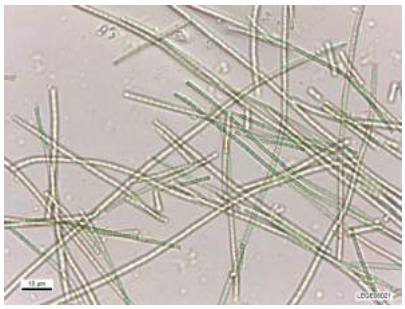
Strain ID	**unidentified filamentous Chroococcales LEGE 11438**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,1 × 1,4±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	gliding motility; conical-rounded terminal cells; trichomes constricted at cross-walls
Parent Sample	1.001.09.11 MN a	**Macroscopic growth features**	color: brownish; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (6 m depth), near the south quay of the Leixões harbour
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951848	**Isolator**	Sofia Costa
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/26	**Preservation type**	subculturing
Location	Portugal: at [115], diving spot near Leixões Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.17652 N 8.700633 W	**Temperature (ºC)**	19
		Light intensity	5 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**unidentified filamentous Synechococcales LEGE 00039**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 2,0±0,4
Other Code(s)	strain 14, LEANCYA 14, LEAN 213	**Taxonomic notes/diacritical features**	
Parent Sample	Aguda 6	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a Patella sp. shell
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951863	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/05/31	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Martins et al. (2005) Toxicon 46, 454–464		
References Publicly Available Theses	Martins R. (2005) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

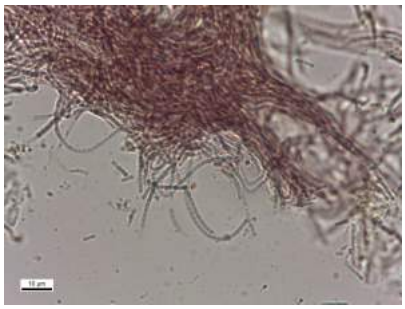
Strain ID	**unidentified filamentous Synechococcales LEGE 00052**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,2 × 1,4±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes slightly constricted at cross-walls
Parent Sample	EDDAH Osc I	**Macroscopic growth features**	color: olive-green; forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951850	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing
Location	Morocco: Oued Mellah	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

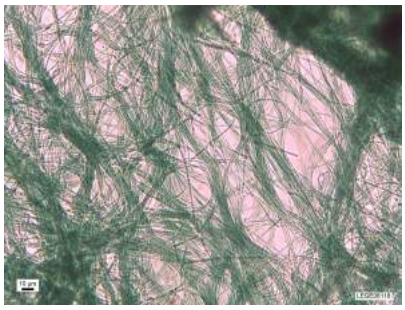
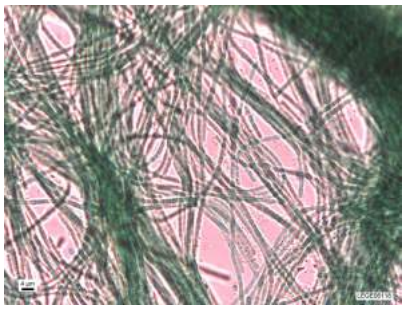
Strain ID	**unidentified filamentous Synechococcales LEGE 00053**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,3 × 1,7±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	EDDAH Osc II	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951864	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing
Location	Morocco: Oued Mellah	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

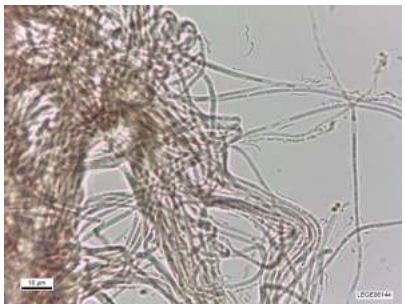
Strain ID	**unidentified filamentous Synechococcales LEGE 06018**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,2 × 2,5±0,4
Other Code(s)	strain 14, LEAN 105	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 14	**Macroscopic growth features**	color: cyano; forming a smooth biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM124562	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)	HM124566 (microcystin synthetase, mcyE)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia dos Coxos, Sto. Isidoro	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.00455 N 9.425842 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Frazão et al. (2010) Mar. Drugs 8, 1908-1919; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

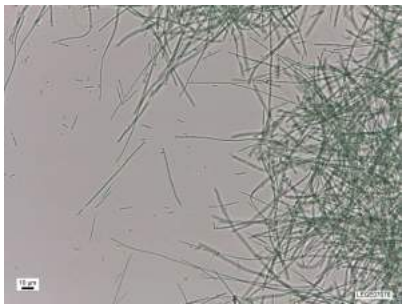
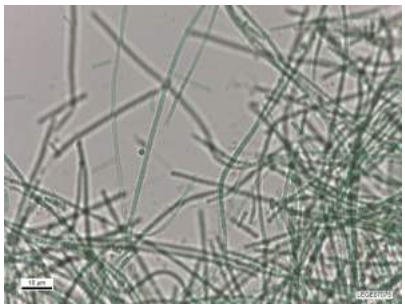
Strain ID	**unidentified filamentous Synechococcales LEGE 06021**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,1 × 2,1±0,4
Other Code(s)	strain 18, LEAN 119	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 18, 2 Coxos	**Macroscopic growth features**	color: cyano; forming a smooth biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951866	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia dos Coxos, Sto. Isidoro	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.00455 N 9.425842 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

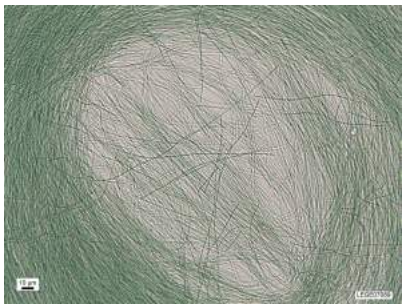
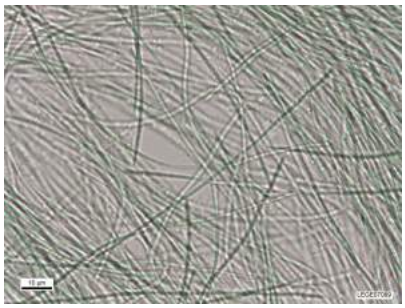
Strain ID	**unidentified filamentous Synechococcales LEGE 06070**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 2,1±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	VL 19	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217074	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Oct-2006	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.632556 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Rastoll et al. (2013) J. Appl. Phycol. 25, 1483-1493; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

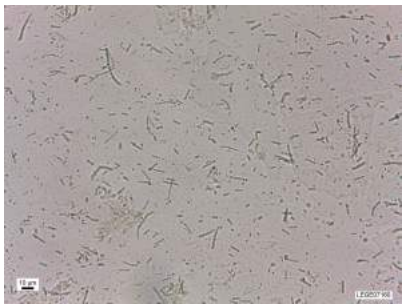
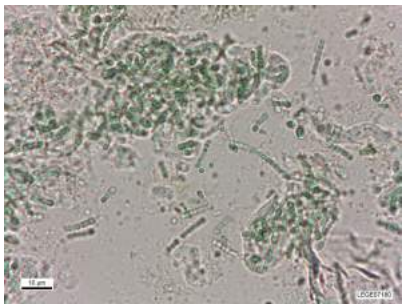
Strain ID	**unidentified filamentous Synechococcales LEGE 06116**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 1,4±0,3
Other Code(s)	LEAN 021	**Taxonomic notes/diacritical features**	
Parent Sample	O.06 MAR 5 - A	**Macroscopic growth features**	color: brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	wave-exposed tide pool, rock surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951867	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842341, KC842342 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/11	**Preservation type**	subculturing
Location	Portugal: Praia do Martinhal, Vila do Bispo	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.01869 N 8.926714 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

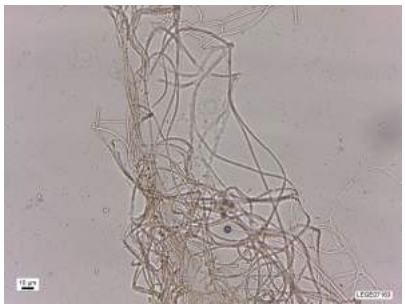
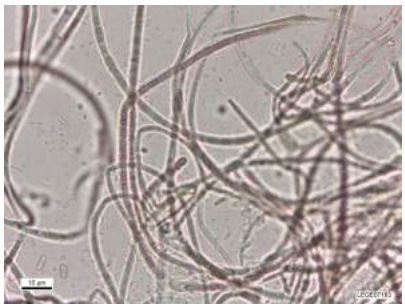
Strain ID	**unidentified filamentous Synechococcales LEGE 06118**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,1 × 2,2±0,2
Other Code(s)	LEAN 023	**Taxonomic notes/diacritical features**	forming fascicles; cell ultrastructure data available
Parent Sample	O.06 LUZ 10 - BAAB	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, rock surface scraping
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951868	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842358 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/12/12	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

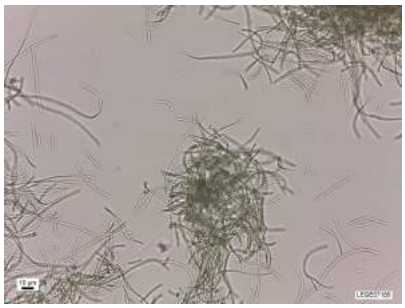
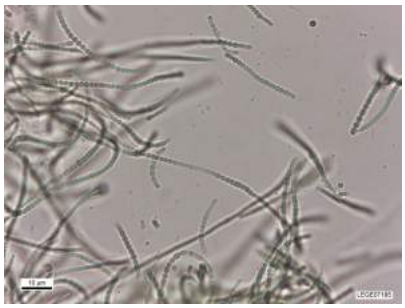
Strain ID	**unidentified filamentous Synechococcales LEGE 06144**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 3,3±0,4
Other Code(s)	LEAN 056	**Taxonomic notes/diacritical features**	forming fascicles
Parent Sample	V.06 BUR 3 - CC	**Macroscopic growth features**	color: brownish; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-sheltered zone, sand
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832937	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842348-KC842350 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/07/17	**Preservation type**	subculturing
Location	Portugal: Praia de Burgau, Budens	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.07156 N 8.774722 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Leão et al. (2013) Mar. Drugs 11 (4), 1316-1335; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

Strain ID	**unidentified filamentous Synechococcales LEGE 07075**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 × 1,3±0,2
Other Code(s)		**Taxonomic notes/diacritical features**	facultative sheath
Parent Sample	VL 218	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217080	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Apr-2007	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.632556 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Lopes & Vasconcelos (2011) Mar. Drugs 9, 790-802; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16; Dvořák et al. (2014) Mol. Ecol. 23, 5538–5551; Almeida et al. (2015) Toxins 7(8), 2739-2756		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

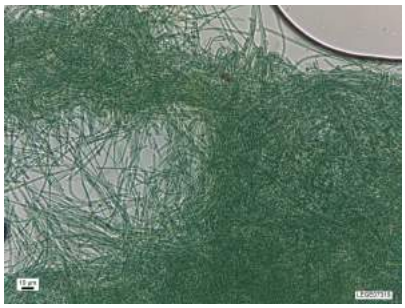
Strain ID	**unidentified filamentous Synechococcales LEGE 07089**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,2 × 2,7±0,7
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	VL 362	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217063	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/10/10	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.657972 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

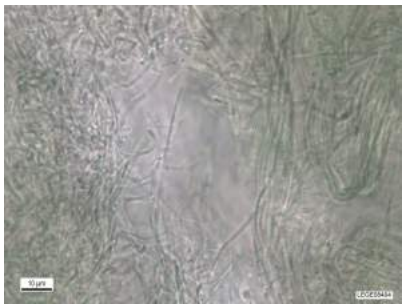
Strain ID	**unidentified filamentous Synechococcales LEGE 07160**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,6±0,2 × 1,6±0,3
Other Code(s)	LEAN 074	**Taxonomic notes/diacritical features**	colonies of filaments, within mucilaginous envelopes; filaments constricted at cross-walls
Parent Sample	P.07 ODA 6 - p96, dil. 1/4	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide puddle, on a submerged stone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951869	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813192 (non-ribosomal peptide synthetase), KC842368-KC842370 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Dvořák et al. (2014) Mol. Ecol. 23, 5538–5551; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

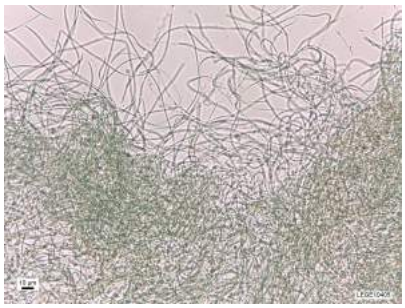
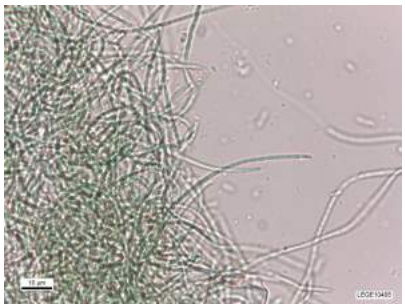
Strain ID	**unidentified filamentous Synechococcales LEGE 07163**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,0±0,4 × 3,5±0,9
Other Code(s)	LEAN 077	**Taxonomic notes/diacritical features**	with sheath
Parent Sample	P.07 MOL 1 - BC	**Macroscopic growth features**	color: brownish; forming a firm biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a Mytilus sp. shell
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832900	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC813171, KC813172 (non-ribosomal peptide synthetase), KC842289 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/21	**Preservation type**	subculturing
Location	Portugal: Praia de Moledo, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.84963 N 8.866717 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Costa et al. (2014) Mar. Drugs 12, 98-114; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

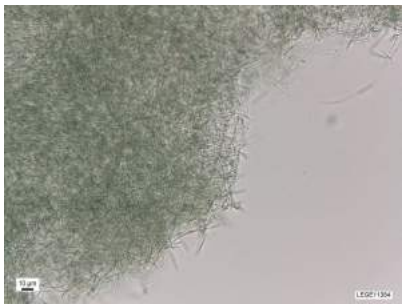
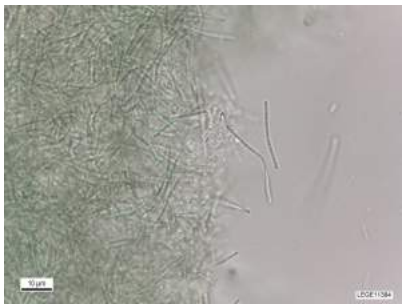
Strain ID	**unidentified filamentous Synechococcales LEGE 07185**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,2 × 1,4±0,3
Other Code(s)	LEAN 099	**Taxonomic notes/diacritical features**	filaments constricted at cross-walls; distinguishable centro- and chromatoplasm
Parent Sample	P.07 LAV 6 - p96, dil. 1/2, ABA	**Macroscopic growth features**	color: olive green; forming a firm biofilm and also aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	tide pool, on a submerged stone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951870	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/15	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

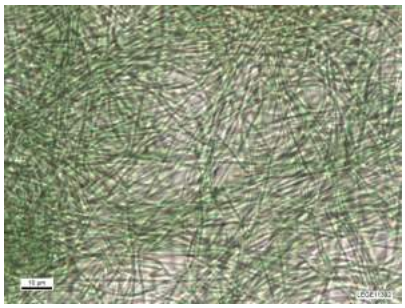
Strain ID	**unidentified filamentous Synechococcales LEGE 07190**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 1,1±0,2
Other Code(s)	LEAN 155	**Taxonomic notes/diacritical features**	filaments constricted at cross-walls
Parent Sample	P.07 LAV 6 - p96, dil. 1/2, ACA	**Macroscopic growth features**	color: olive green; forming a firm biofilm and also aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HQ832919	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC842320, KC842321 (polyketide synthase)	**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/15	**Preservation type**	subculturing
Location	Portugal: Praia de Lavadores, Canidelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.12919 N 8.668578 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses			

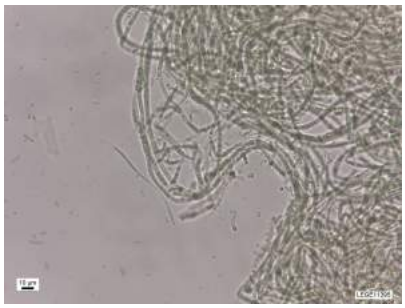
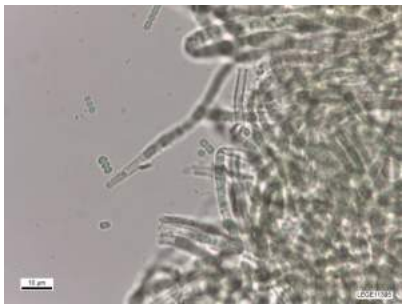
Strain ID	**unidentified filamentous Synechococcales LEGE 07319**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,1 × 2,4±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	SAL269	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217045	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007	**Preservation type**	subculturing
Location	Portugal: Vouga estuary, Ria de Aveiro, Aveiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	40.63825 N 8.659778 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

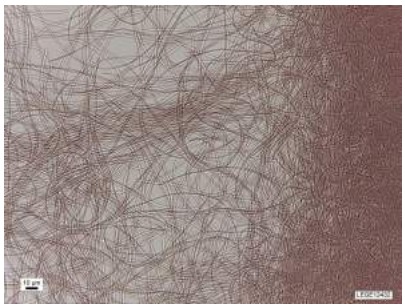
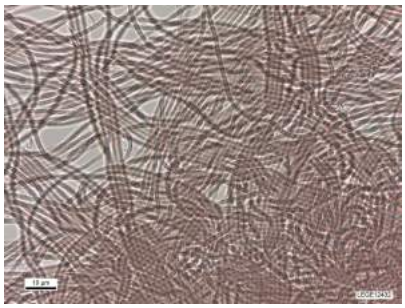
Strain ID	**unidentified filamentous Synechococcales LEGE 08404**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 2,2±0,5
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	P.08 LUZ-3-EACA	**Macroscopic growth features**	color: cyano
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, tide puddle, biofilm on a rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951871	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	May-2008	**Preservation type**	subculturing
Location	Portugal: Praia da Luz, Lagos	**Light:dark cycle**	14:10-h
Latitude & Longitude	37.08622 N 8.725375 W	**Temperature (ºC)**	25
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

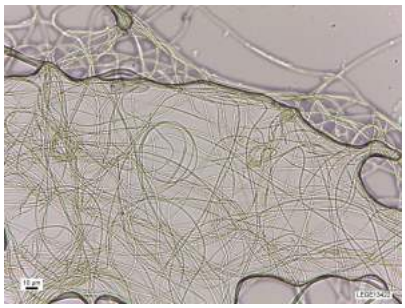
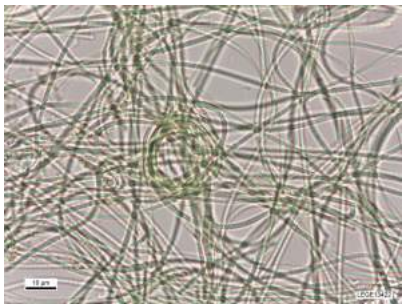
Strain ID	**unidentified filamentous Synechococcales LEGE 10405**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,1±0,1 × 2,5±0,6
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	S2-BA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951872	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/04/01	**Preservation type**	subculturing
Location	Portugal: Selvagens Islands	**Light:dark cycle**	12:12-h
Latitude & Longitude	30.03458 N 16.03267 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

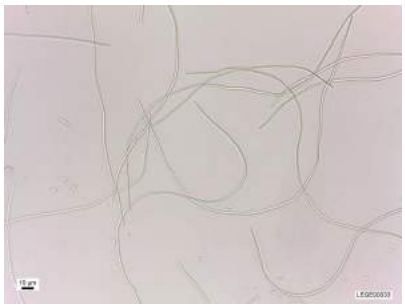
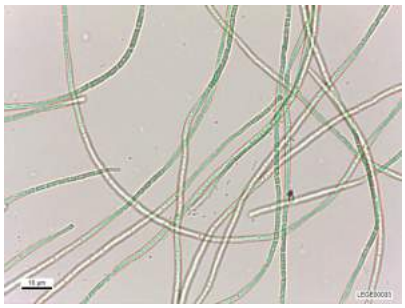
Strain ID	**unidentified filamentous Synechococcales LEGE 11384**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	0,9±0,1 × 2,5±0,4
Other Code(s)	23D	**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, on a marine sponge
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	JQ927355	**Isolator**	Ana Regueiras
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Ana Regueiras	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/09/29	**Preservation type**	subculturing
Location	Portugal: beach near Lavra, Matosinhos	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.23319 N 8.723944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Vivas J. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

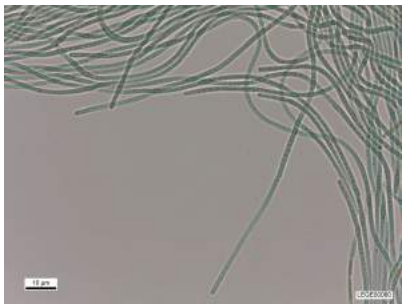
Strain ID	**unidentified filamentous Synechococcales LEGE 11392**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,0±0,1 × 4,7±1,0
Other Code(s)		**Taxonomic notes/diacritical features**	bright refractive granules (gas vesicles?) at cell ends
Parent Sample	EB3-1-EAA	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951873	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Frederico Sobrinho/Sinda Carvalhal	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	9-Feb-2011	**Preservation type**	subculturing
Location	Brazil: Pitanguinha lagoon (Araruama system), in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	22.9275 S 42.35556 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

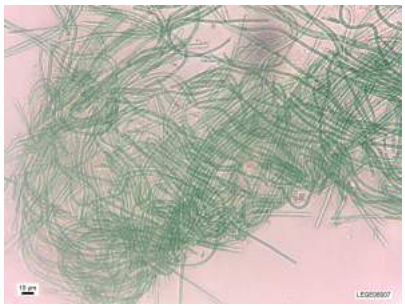
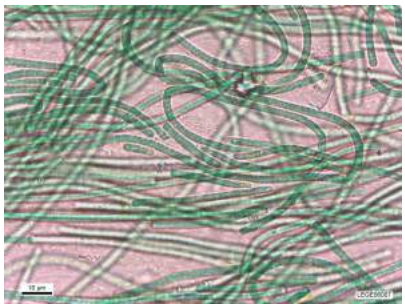
Strain ID	**unidentified filamentous Synechococcales LEGE 11395**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,6±0,6 × 2,0±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls; with sheath
Parent Sample	EB5-1-EAA (EB5=EB2)	**Macroscopic growth features**	color: cyano; forming a firm biofilm and aggregates
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951874	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Frederico Sobrinho/Sinda Carvalhal	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	9-Feb-2011	**Preservation type**	subculturing
Location	Brazil: Pernambuco lagoon (Araruama system), in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	22.93056 S 42.32389 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

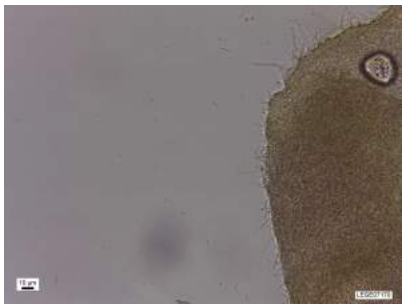
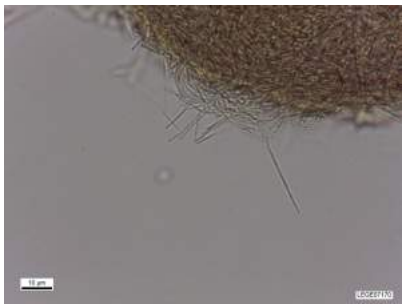
Strain ID	**unidentified filamentous Synechococcales LEGE 12432**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,1 × 2,0±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes constricted at cross-walls
Parent Sample	LC3-AAA	**Macroscopic growth features**	color: brownish; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951859	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Jorge Nimptsch	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Chile: Ranco Lake, La Araucania region	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

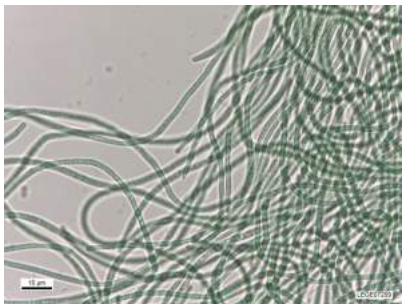
Strain ID	**unidentified filamentous Synechococcales LEGE 13422**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,4 × 1,3±0,2
Other Code(s)	S6F	**Taxonomic notes/diacritical features**	some helix-coiled trichomes; nodules observed
Parent Sample		**Macroscopic growth features**	color: greenish; forming a smooth biofilm
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	"Spirulina" dietary supplements, capsules form. Producer/brand: Solaray
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes	Nodosilinea-like sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951875	**Isolator**	Dina Gomes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Dina Gomes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2013	**Preservation type**	subculturing
Location	original source unknown: acquired in the Porto metropolitan area, Portugal	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Gomes D. (2013) MSc Dissertation, ICBAS, University of Porto, Porto, Portugal		

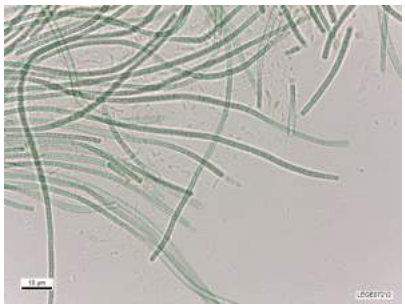
Strain ID	**unidentified filamentous cyanobacterium LEGE 00033**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,6±0,1 × 2,8±0,6
Other Code(s)	LEAN 207	**Taxonomic notes/diacritical features**	distinguishable centro- and chromatoplasm
Parent Sample	Aguda 18	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, Sabellaria alveolata reef
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951849	**Isolator**	Rosario Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Rosario Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000/05/31	**Preservation type**	subculturing
Location	Portugal: Praia da Aguda, Arcozelo	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.04954 N 8.655339 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

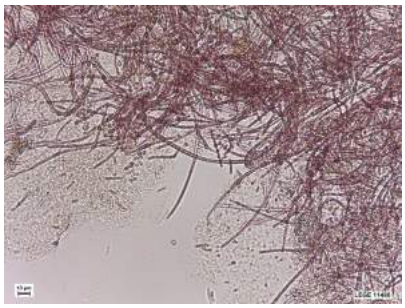
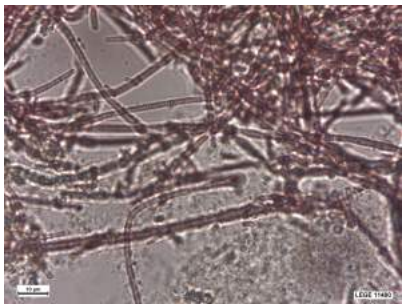
Strain ID	**unidentified filamentous cyanobacterium LEGE 00060**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,5±0,3 × 1,9±0,8
Other Code(s)		**Taxonomic notes/diacritical features**	trichomes with "meristematic" regions
Parent Sample	Melah	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951851	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	unknown	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2000	**Preservation type**	subculturing, cryopreserved
Location	Morocco: Oued Mellah	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Leão et al. (2009) Eur. J. Phycol. 44, 347-355		
References Publicly Available Theses	Leão P.N. (2010) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

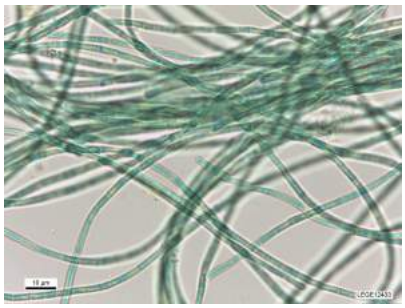
Strain ID	**unidentified filamentous cyanobacterium LEGE 06007**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	2,2±0,3 × 2,5±0,4
Other Code(s)	strain 10, LEAN 103	**Taxonomic notes/diacritical features**	with necridic cells and hormogonia; narrow sheath
Parent Sample	Ref. 10	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	intertidal zone, wave-exposed rock
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951852	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing
Location	Portugal: Praia de São Martinho do Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.50694 N 9.136311 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Frazão et al. (2010) Mar. Drugs 8, 1908-1919		
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal; Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

Strain ID	**unidentified filamentous cyanobacterium LEGE 07170**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	0,9±0,2 × 1,0±0,2
Other Code(s)	LEAN 084	**Taxonomic notes/diacritical features**	hardly distinguished cell walls
Parent Sample	P.07 ODA 7 - BBA	**Macroscopic growth features**	color: dark green; forming a firm biofilm
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	wave-exposed tide puddle
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951854	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)	KC256771 (dinitrogenase reductase, nifH), KC842371 (polyketide synthase)	**Medium**	MN w/ vit. B12
Collector	Rui Seabra/Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2007/05/02	**Preservation type**	subculturing
Location	Portugal: Praia de Olhos d'Água, Albufeira	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.08973 N 8.191017 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Brito et al. (2012) Syst. Appl. Microbiol. 35, 110–119; Brito et al. (2015) Algal Res. 9, 218-226		
References Publicly Available Theses	Macieira R. (2013) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

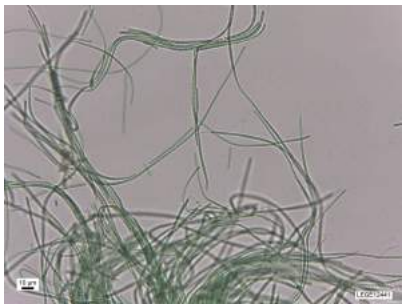
Strain ID	**unidentified filamentous cyanobacterium LEGE 07209**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 2,9±1,2
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	A1 AG - 4 PQN	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951856	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Aug-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

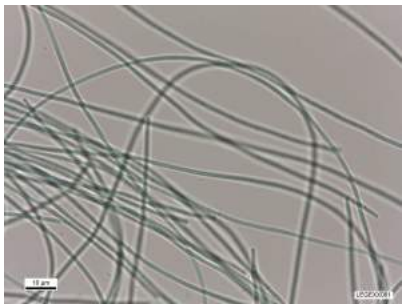
Strain ID	**unidentified filamentous cyanobacterium LEGE 07212**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 2,0±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	facultative sheath
Parent Sample	A1 AG - 7 PQN	**Macroscopic growth features**	color: cyano; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	biofilm, from a biological treatment tank outlet
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951857	**Isolator**	Joana Martins
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Joana Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Aug-2007	**Preservation type**	subculturing
Location	Portugal: wastewater treatment plant at Febros river, Vila Nova de Gaia	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.11812 N 8.570944 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

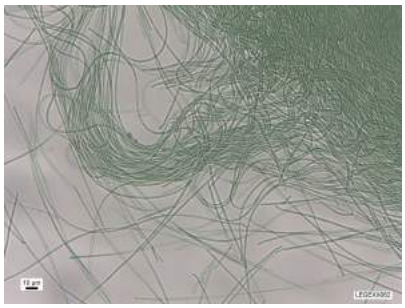
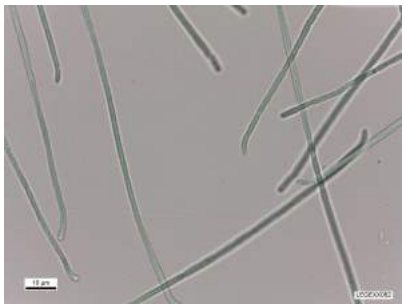
Strain ID	**unidentified filamentous cyanobacterium LEGE 11480**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,9±0,3 × 1,2±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	with sheath
Parent Sample	5.002.1011	**Macroscopic growth features**	color: brown-reddish; forming a smooth biofilm and aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	subtidal sample, epilithic (13m depth), about 200 m off the shore
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	ready to submit	**Isolator**	Ângela Pinheiro
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2011/10/03	**Preservation type**	subculturing
Location	Portugal: 'A Pedra', diving spot in front of the fort 'Castelo do Queijo'	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

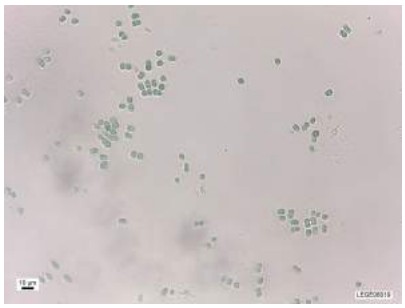
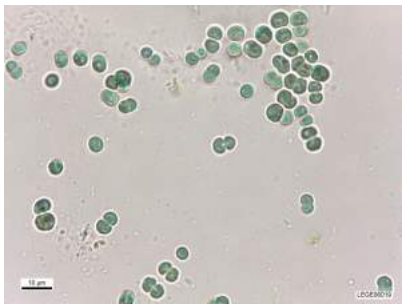
Strain ID	**unidentified filamentous cyanobacterium LEGE 12433**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,9±0,2 × 5,7±0,7
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	LC5-BAAA	**Macroscopic growth features**	color: cyano; forming a smooth biofilm
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	earth odour (geosmin?)
Accession Number(s)_16S	KU951860	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Jorge Nimptsch	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Chile: Caburgua Lake, La Araucania region	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

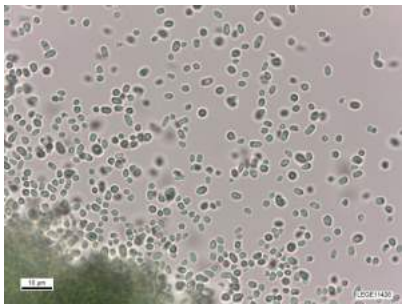
Strain ID	**unidentified filamentous cyanobacterium LEGE 12440**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 1,8±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample	EB4 - 10 A/2	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	not determined	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	ready to submit	**Isolator**	Ângela Pinheiro/Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Brazil: Vermelha lagoon (Araruama system), in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

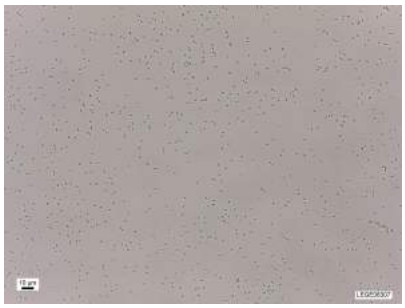
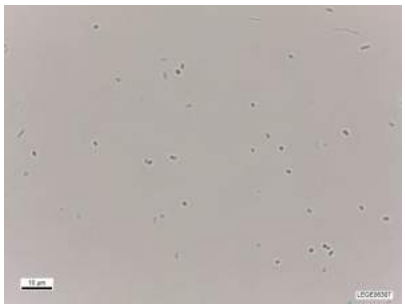
Strain ID	**unidentified filamentous cyanobacterium LEGE 12441**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,6±0,2 × 1,5±0,3
Other Code(s)		**Taxonomic notes/diacritical features**	forming fascicles; with necridic cells and hormogonia; with sheath
Parent Sample	EB4 - 6 A/1a	**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	aquatic, hypersaline
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	upper layer of a microbial mat
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	ready to submit	**Isolator**	Ângela Pinheiro/Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2012	**Preservation type**	subculturing
Location	Brazil: Vermelha lagoon (Araruama system), in the state of Rio de Janeiro	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

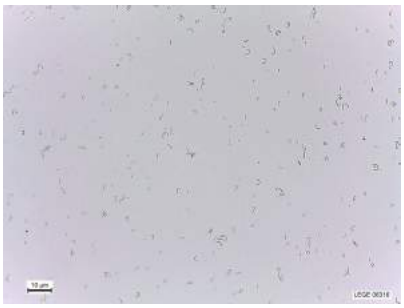
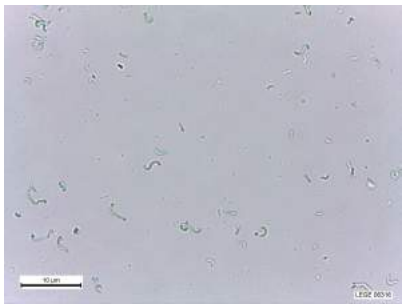
Strain ID	**unidentified filamentous cyanobacterium LEGE XX061**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,3±0,1 × 1,2±0,4
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming a firm biofilm and tuft-like aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	
Taxonomy Notes	Pseudanabaenaceae cyanobacterium	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951861	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	Portugal: Maranhão dam reservoir, Avis	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

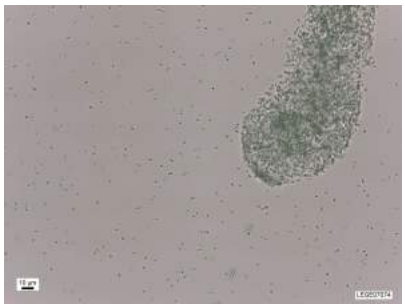
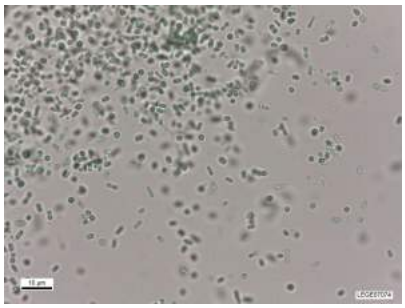
Strain ID	**unidentified filamentous cyanobacterium LEGE XX062**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,6±0,2 × 4,0±0,1
Other Code(s)		**Taxonomic notes/diacritical features**	often, the end of the trichome is distinctly hooked
Parent Sample		**Macroscopic growth features**	color: cyano; forming a firm biofilm
Isolation Date		**Environment**	unknown
Order (Older Classification Scheme)	Oscillatoriales	**Habitat Sample Description**	unknown
Order 2014 (Modern Taxonomy)	undefined	**Ecophysiological traits**	EPS production
Taxonomy Notes	unidentified Oscillatoriales	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951862	**Isolator**	Martin Saker
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Martin Saker	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	unknown	**Preservation type**	subculturing
Location	unknown	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

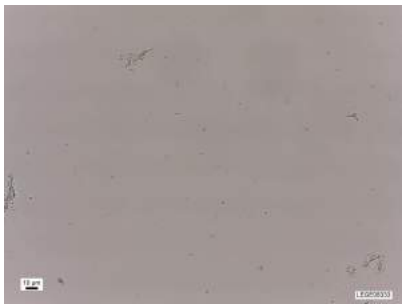
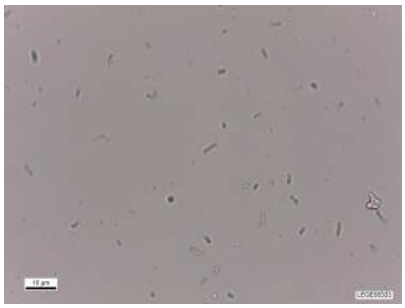
Strain ID	**unidentified unicellular Chroococcales LEGE 06019**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	LEGE 06017	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 4,3±0,5
Other Code(s)	strain 3, LEAN 113	**Taxonomic notes/diacritical features**	
Parent Sample	Ref. 3	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	sea water sample, coastal, surf zone
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes	Geminocystis-like sp.	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951881	**Isolator**	Bárbara Frazão
Accession Number(s)_others (product/gene /region)		**Medium**	Z8 25‰ TM sea salt w/ vit. B12
Collector	Bárbara Frazão	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2006	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Praia dos Coxos, Sto. Isidoro	**Light:dark cycle**	12:12-h
Latitude & Longitude	39.00455 N 9.425842 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses	Frazão B. (2008) MSc Dissertation, FCUP, University of Porto, Porto, Portugal		

Strain ID	**unidentified unicellular Chroococcales LEGE 11426**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,9±0,4 (Spherical Cells); 1,7±0,1 × 3,1±0,3 (rod-shaped cells)
Other Code(s)		**Taxonomic notes/diacritical features**	irregular to rod-shaped cells
Parent Sample	SC-IAi	**Macroscopic growth features**	color: cyano; forming tuft-like aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	subtidal sample, benthic (10-13m depth)
Order 2014 (Modern Taxonomy)	Chroococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951883	**Isolator**	Sofia Costa
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Pedro Leão/Aldo Barreiro	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Fall 2011	**Preservation type**	subculturing
Location	Portugal: less than 1 km off the shore, near Leixoes Harbour	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.185809 N 8.719079 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

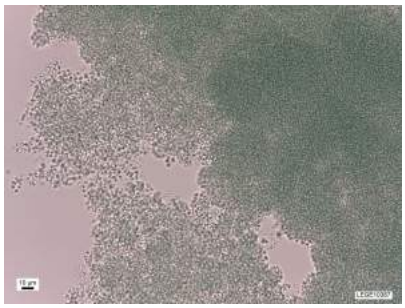
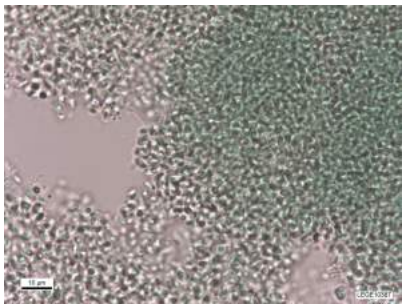
Strain ID	**unidentified unicellular Synechococcales LEGE 06307**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,1±0,2 (spherical cells); 1,1± 0,1 × 1,7±0,1 (elongated cells)
Other Code(s)	IN69	**Taxonomic notes/diacritical features**	short rod-shaped cells; some elongated, involution cells observed
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; growing homogeneously; mucilaginous
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217055	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/23	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.86697 N 8.855833 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

Strain ID	**unidentified unicellular Synechococcales LEGE 06316**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,4±0,2 × 2,0±0,5
Other Code(s)	IN231106	**Taxonomic notes/diacritical features**	
Parent Sample	n.d.	**Macroscopic growth features**	color: cyano; growing homogeneously and also forming a firm biofilm
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample, on the estuary shore
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217058	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2006/11/23	**Preservation type**	subculturing
Location	Portugal: Minho estuary, Caminha	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.86697 N 8.855833 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

Strain ID	**unidentified unicellular Synechococcales LEGE 07074**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,3±0,2 (Spherical Cells); 1,2±0,2 × 1,5±0,2 (Rod-shaped cells)
Other Code(s)		**Taxonomic notes/diacritical features**	rod-shaped cells; forming pseudofilaments; facultative sheath
Parent Sample	VL 206	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, brackish
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	mesotidal zone, benthic
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	HM217078	**Isolator**	Viviana Lopes
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Viviana Lopes	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	Apr-2007	**Preservation type**	subculturing
Location	Portugal: Douro estuary, Porto	**Light:dark cycle**	12:12-h
Latitude & Longitude	41.14658 N 8.657972 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles	Lopes et al. (2010) Mar. Drugs 8, 471-482; Baptista et al. (2011) Toxicon 58, 410–414; Lopes et al. (2011) Toxicol. In Vitro 25, 944–950; Cianca et al. (2012) Amino Acids 42, 2473–2479; Lopes et al. (2012) Mar. Environ. Res. 73, 7–16		
References Publicly Available Theses	Lopes V.R. (2011) PhD Thesis, FCUP, University of Porto, Porto, Portugal		

Strain ID	**unidentified unicellular Synechococcales LEGE 08333**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 1,2±0,3 (Cells); 1,2±0,3 × 2,8±1,1 (Involution Cells)
Other Code(s)		**Taxonomic notes/diacritical features**	
Parent Sample		**Macroscopic growth features**	color: cyano; forming a smooth biofilm; mucilaginous
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	EPS production
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951884	**Isolator**	Vitor Vasconcelos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	Vitor Vasconcelos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2008	**Preservation type**	subculturing
Location	Mexico: Lake Zumpango	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**unidentified unicellular Synechococcales LEGE 09398**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	Ø 0,8±0,1 (Spherical Cells); 0,7±0,1 × 3,1±0,7 (Involution Cells); 0,8±0,1 ×1,4±0,4 (Elongated cells)
Other Code(s)		**Taxonomic notes/diacritical features**	some elongated, involution cells observed; several cell clusters
Parent Sample	Vela 1,2 um A	**Macroscopic growth features**	color: cyano; growing homogeneously, but also forming aggregates
Isolation Date		**Environment**	aquatic, freshwater
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	water sample, from a pond
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes		**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951885	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	Z8
Collector	António J. Martins	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2009	**Preservation type**	subculturing
Location	Portugal: Lagoa da Vela, Mira	**Light:dark cycle**	12:12-h
Latitude & Longitude	unknown	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
References Publicly Available Articles			
References Publicly Available Theses			

Strain ID	**unidentified unicellular Synechococcales LEGE 10387**		
Strain Taxonomy			
Microphotograph 400×		**Microphotograph 1000×**	
Coidentity	n.a.	**Morphometrics (Width × Length or Diameter) (µm)**	1,2±0,2 × 2,1±0,6 (Rod-shaped cells)
Other Code(s)		**Taxonomic notes/diacritical features**	rod-shaped cells; several cell clusters
Parent Sample	23C-1-A	**Macroscopic growth features**	color: cyano; forming aggregates
Isolation Date		**Environment**	aquatic, marine
Order (Older Classification Scheme)	Chroococcales	**Habitat Sample Description**	intertidal zone, from a dry dark mat, on a rock
Order 2014 (Modern Taxonomy)	Synechococcales	**Ecophysiological traits**	
Taxonomy Notes	Aphanothece-like sp., colonial?	**Notes on ecophysiological traits**	
Accession Number(s)_16S	KU951886	**Isolator**	Vitor Ramos
Accession Number(s)_others (product/gene /region)		**Medium**	MN w/ vit. B12
Collector	Vitor Ramos	**Strain Status**	non-axenic, unicyanobacterial
Collection Date	2010/04/28	**Preservation type**	subculturing, cryopreserved
Location	Portugal: Vila Nova de Mil Fontes	**Light:dark cycle**	12:12-h
Latitude & Longitude	37.719139 N 8.791014 W	**Temperature (ºC)**	19
		Light intensity	10–30 µmol photons m−2 s−1
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References Publicly Available Theses			

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