

Strain identifier

BacDive ID: 10420 **DOI:** 10.13145/bacdive10420.20190402.4
Type strain: yes **Designation:** Sir-1
Culture col. no.: DSM 14875, AJ 13960, JCM 11591

Sections

[Name and taxonomic classification](#)
[Morphology and physiology](#)
[Culture and growth conditions](#)
[Isolation, sampling and environmental information](#)
[Application and interaction](#)
[Molecular biology](#)
[Strain availability](#)
[References](#)

Name and taxonomic classification

Ref.: 5591	Domain	Bacteria
Ref.: 5591	Phylum	Proteobacteria
Ref.: 5591	Class	Deltaproteobacteria
Ref.: 5591	Order	Myxococcales
Ref.: 5591	Family	Nannocystaceae
Ref.: 5591	Genus	Plesiocystis
Ref.: 5591	Species	Plesiocystis pacifica
Ref.: 5591	Full Scientific Name	Plesiocystis pacifica Iizuka et al. 2003
Ref.: 5591	Designation:	Sir-1
Ref.: 5591	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Proteobacteria
Ref.: 20215	Class	Deltaproteobacteria
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 56:1
Ref.: 20215	Family	Nannocystaceae
Ref.: 20215	Genus	Plesiocystis
Ref.: 20215	Taxonomical status	gen. nov. (VP)

Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 53:189*
Ref.: 20215	Species	Plesiocystis pacifica
Ref.: 20215	Taxonomical status	sp. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 53:189*
Ref.: 20215	Full Scientific Name	Plesiocystis pacifica lizuka et al. 2003

Morphology and physiology

Ref.: 5591	Name of produced compound	haloalkane dehalogenase
------------	----------------------------------	-------------------------

Culture and growth conditions

Ref.: 5591	Culture medium	VY/4-SWS AGAR (DSMZ Medium 958), 30°C
Ref.: 5591	Culture medium growth	yes
Ref.: 5591	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium958.pdf

Ref.: 5591	Temperatures	Kind of temperature	Temperature
		growth	30 °C

Ref.: 5591	Temperature range	mesophilic
------------	--------------------------	------------

Isolation, sampling and environmental information

Ref.: 5591	Sample type/isolated from	semi-dried seagrass (Zostera)
Ref.: 5591	Host species	Zostera
Ref.: 5591	Geographic location (country and/or sea, region)	Iriomote-Jima Island, Okinawa
Ref.: 5591	Country	Japan
Ref.: 5591	Continent	Asia

Isolation sources categories

Cat1	Cat2	Cat3
#Host	#Plants	#Aquatic plant

Application and interaction

Ref.: 5591	Biosafety level	1 Risk group (German classification)
------------	------------------------	--------------------------------------

Molecular biology

Ref.: 5591 **GC-content** 69.3-70.0 mol% high performance liquid chromatography (HPLC)

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
Ref.: 5591	INSDC (WGS)		ABCS00000000		
Ref.: 5591	DDBJ EMBL Direct submission		AB083432		

Strain availability

Ref.: 5591 **Culture collection no.** DSM 14875, AJ 13960, JCM 11591

Ref.: 5591 **Strain history** <- T. Iizuka; SIR-1

Associated Passport(s) in StrainInfo

Ref.: 20218 303452 - <http://www.straininfo.net/strains/303452>

Ref.: 20218 303451 - <http://www.straininfo.net/strains/303451>

Ref.: 20218 303453 - <http://www.straininfo.net/strains/303453>

References

Ref.: 5591 Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 14875

Ref.: 20215 D.Gleim, M.Kracht, N.Weiss et. al.: Prokaryotic Nomenclature Up-to-date - compilation of all names of Bacteria and Archaea, validly published according to the Bacteriological Code since 1. Jan. 1980, and validly published nomenclatural changes since.

Ref.: 20218 Verslyppe, B., De Smet, W., De Baets, B., De Vos, P., Dawyndt P. StrainInfo introduces electronic passports for microorganisms.. Syst Appl Microbiol. 37: 42-50 2014 (10.1016/j.syapm.2013.11.002, 24321274)

* **These References are textmined**

[back to top](#)