

Strain identifier

BacDive ID: 17436 **DOI:** 10.13145/bacdiv17436.20190402.4
Type strain: yes **Designation:** TagT2C
Culture col. no.: DSM 11105

Sections

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Name and taxonomic classification

Ref.: 4203	Domain	Bacteria
Ref.: 4203	Phylum	Proteobacteria
Ref.: 4203	Class	Alphaproteobacteria
Ref.: 4203	Order	Rhizobiales
Ref.: 4203	Family	Xanthobacteraceae
Ref.: 4203	Genus	Xanthobacter
Ref.: 4203	Species	Xanthobacter tagetidis
Ref.: 4203	Full Scientific Name	Xanthobacter tagetidis Padden et al. 1997
Ref.: 4203	Designation:	TagT2C
Ref.: 4203	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Proteobacteria
Ref.: 20215	Class	Alphaproteobacteria
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 56:1
Ref.: 20215	Family	Xanthobacteraceae
Ref.: 20215	Genus	Xanthobacter
Ref.: 20215	Taxonomical status	genus (AL)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 30:225

Ref.: 20215	Species	Xanthobacter tagetidis
Ref.: 20215	Taxonomical status	sp. nov. (VP)
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 47:394*
Ref.: 20215	Full Scientific Name	Xanthobacter tagetidis Padden et al. 1997

Culture and growth conditions

Ref.: 4203	Culture medium	NUTRIENT AGAR (DSMZ Medium 1), 30°C
Ref.: 4203	Culture medium growth	yes
Ref.: 4203	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium1.pdf
Ref.: 4203	Culture medium	HETEROTROPHIC MEDIUM H3P (DSMZ Medium 428), 30°C
Ref.: 4203	Culture medium growth	yes
Ref.: 4203	Culture medium link	https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium428.pdf

Ref.: 4203	Temperatures	Kind of temperature	Temperature
		growth	30 °C

Ref.: 4203	Temperature range	mesophilic
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Isolation, sampling and environmental information

Ref.: 4203	Sample type/isolated from	root balls of tagetes plants
Ref.: 4203	Country	United Kingdom
Ref.: 4203	Continent	Europe

Isolation sources categories

Cat1	Cat2	Cat3
#Host	#Plants	#Herbaceous plants (Grass,Crops)
#Host Body-Site	#Plant	#Root (Rhizome)

Application and interaction

Ref.: 4203	Biosafety level	1 Risk group (German classification)
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Molecular biology



	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID	
Ref.: 20218	Marker Gene (GenBank Direct submission)	Xanthobacter tagetidis strain TagT2C hydroxypyruvate reductase (hpr) gene, partial cds	FJ865470	289	60216	*
Ref.: 20218	Marker Gene (EMBL Direct submission)	Xanthobacter tagetidis partial 16S RNA gene	X99469	1412	60216	*

Strain availability

[Ref.: 4203](#) **Culture collection no.** DSM 11105

[Ref.: 4203](#) **Strain history** <- A.P. Wood, TagT2C

Associated Passport(s) in StrainInfo

[Ref.: 20218](#) 117823 - <http://www.straininfo.net/strains/117823>

References

[Ref.: 4203](#) Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH; Curators of the DSMZ; DSM 11105

[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)

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