

Strain identifier

BacDive ID:	1768	DOI:	10.13145/bacdive1768.20191129.4.1
Type strain:	yes	Designation:	BLAPIII-AGV
Culture col. no.:	DSM 22924, ATCC BAA 1568		

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Name and taxonomic classification

Ref.: 16621	Domain	Bacteria
Ref.: 16621	Phylum	Actinobacteria
Ref.: 16621	Class	Actinobacteria
Ref.: 16621	Order	Bifidobacteriales
Ref.: 16621	Family	Bifidobacteriaceae
Ref.: 16621	Genus	Bombiscardovia
Ref.: 16621	Species	Bombiscardovia coagulans
Ref.: 16621	Full Scientific Name	Bombiscardovia coagulans Killer et al.2014
Ref.: 16621	Designation:	BLAPIII-AGV
Ref.: 16621	Type strain:	yes

Prokaryotic Nomenclature Up-to-date (PNU)

Ref.: 20215	Domain	Bacteria
Ref.: 20215	Phylum	Actinobacteria
Ref.: 20215	Class	Actinobacteria
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 47:479*
Ref.: 20215	Family	Bifidobacteriaceae
Ref.: 20215	Literature reference	Int. J. Syst. Bacteriol. 47:479*
Ref.: 20215	Genus	Bombiscardovia
Ref.: 20215	Taxonomical status	gen. nov. (VL)

Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 64:2927
Ref.: 20215	Species	Bombiscardovia coagulans
Ref.: 20215	Taxonomical status	sp. nov. (VL)
Ref.: 20215	Literature reference	Int. J. Syst. Evol. Microbiol. 64:2927
Ref.: 20215	Full Scientific Name	Bombiscardovia coagulans Killer et al. 2014

Morphology and physiology

Ref.: 16621

API rID32A

API ID	5784
URE	-
ADH (Arg)	-
alphaGAL	+
betaGAL	+
betaGP	-
alphaGLU	+
betaGLU	+
alphaARA	+
betaGUR	-
betaNAG	-
MNE	-
RAF	+
GDC	+
alphaFUC	-
NIT	-
IND	-
PAL	-
ArgA	+
ProA	+
LGA	-
PheA	+
LeuA	+
PyrA	-
TyrA	+
AlaA	-
GlyA	-
HisA	+
GGA	-

SerA	+
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Ref.: 16621 **Oxygen tolerance** anaerobe

Culture and growth conditions

Ref.: 16621 **Culture medium** PYG MEDIUM (MODIFIED) (DSMZ Medium 104), 37°C, anaerobic

Ref.: 16621 **Culture medium growth** yes

Ref.: 16621 **Culture medium link** https://www.dsmz.de/microorganisms/medium/pdf/DSMZ_Medium104.pdf

Ref.: 16621	Temperatures	Kind of temperature	Temperature
		growth	37 °C

Ref.: 16621 **Temperature range** mesophilic

Isolation, sampling and environmental information

Ref.: 16621 **Sample type/isolated from** bumblebee digestive tract

Ref.: 16621 **Country** Czech Republic

Ref.: 16621 **Continent** Europe

Isolation sources categories	Cat1	Cat2	Cat3
	#Host	#Arthropoda	#Insecta
	#Host Body-Site	#Gastrointestinal tract	-

Molecular biology

Ref.: 16621 **GC-content** 46.6 mol% high performance liquid chromatography (HPLC)

	Sequence database	Sequence accession description	Sequence accession number	Sequence length(bp)	Associated NCBI tax ID
Ref.: 16621	16S rRNA gene, Marker Gene (GenBank Direct submission)	Bombiscardovia coagulans strain BLAPIII-AGV 16S ribosomal RNA gene, partial sequence	EU127550	1420	686666

Strain availability

Ref.: 16621 **Culture collection no.** DSM 22924, ATCC BAA 1568

Ref.: 16621 **Strain history** <- J. Killer, Inst. Animal Physiol. and Genetics, Czech Acad. Sci.,
Prague; BLAPIII-AGV

Associated Passport(s) in StrainInfo

Ref.: 20218 897787 - <http://www.straininfo.net/strains/897787>

Ref.: 20218 897788 - <http://www.straininfo.net/strains/897788>

References

Ref.: 16621 Leibniz Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH;
Curators of the DSMZ; DSM 22924

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**

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