

## Bacillaceae

[View the current Bacillaceae InDepth page on BioPortfolio.com](#) ([PDF](#))

(<http://www.bioportfolio.com/indepth/Bacillaceae.html>) - Regularly Updated.

Bacillaceae is a family of Gram-positive, heterotrophic, rod-shaped bacteria that may produce endospores. Motile members of this family are characterized by peritrichous flagellae. Some Bacillaceae are aerobic, while others are facultative or strict anaerobes. Most are non-pathogenic, but *Bacillus* and *Clostridium* species are known to cause disease in humans. ([From the Wikipedia article Bacillaceae](#).)

### Recent Publications on Bacillaceae:



- [Identification of functional LsrB-like autoinducer-2 receptors.](#)  
*Although a variety of bacterial species have been reported to use the...*18th November, 2009  
Instituto Gulbenkian de Ciencia, 2781-901 Oeiras, Portugal.- J Bacteriol. 2009 Nov;191(22):6975-87.  
Epub 2009 Sep 11. ([DOI Direct Link](#))
- [\[The study of two alkaliphilic thermophile bacteria of the anoxybacillus genus as producers of extracellular proteinase\]](#)  
*Two strains of alkaliphilic thermophile bacteria of the genus...*10th November, 2009  
- Prikl Biokhim Mikrobiol. 2009 Sep-Oct;45(5):538-43.
- [Uncovering the protocatechuate 2,3-cleavage pathway genes.](#)  
*Paenibacillus sp. (formerly Bacillus macerans) strain JJ-1b is able to...*5th November, 2009  
Department of Bioengineering, Nagaoka University of Technology, Nagaoka,- J Bacteriol. 2009  
Nov;191(21):6758-68. Epub 2009 Aug 28. ([DOI Direct Link](#))
- [Oceanobacillus kapiialis sp. nov., from fermented shrimp paste in Thailand.](#)  
*A Gram-positive, rod-shaped, strictly aerobic, spore-forming, moderately...*23rd October, 2009  
Department of Biotechnology, Faculty of Science and Technology, Suan- Int J Syst Evol Microbiol.  
2009 Sep;59(Pt 9):2254-9. Epub 2009 Jul 20. ([DOI Direct Link](#))
- [Virgibacillus arcticus sp. nov., a moderately halophilic, endospore-forming bacterium from permafrost in the Canadian high Arctic.](#)  
*A novel, moderately halophilic, endospore-forming bacterial strain,...*23rd October, 2009  
Department of Natural Resource Sciences, McGill University, 21,111- Int J Syst Evol Microbiol. 2009  
Sep;59(Pt 9):2219-25. Epub 2009 Jul 15. ([DOI Direct Link](#))
- [Management of Bacillus bacteremia: the need for catheter removal.](#)  
*Bacillus species are biofilm-forming organisms that are associated with...*9th October, 2009  
Department of Infectious Diseases, Infection Control and Employee Health,- Medicine (Baltimore).  
2009 Sep;88(5):279-83. ([DOI Direct Link](#))
- [Should Lactobacillus sporogenes and Bacillus coagulans have a future?](#)  
*Probiotics are gaining increasing scientific and commercial interest as...*1st October, 2009  
Laboratory of Clinical Chemistry, IRCCS Galeazzi Hospital, University of- J Chemother. 2009

Aug;21(4):371-7.

- [A search for small noncoding RNAs in Staphylococcus aureus reveals a conserved sequence motif for regulation.](#)  
*Bioinformatic analysis of the intergenic regions of Staphylococcus aureus...*30th September, 2009  
Architecture et Reactivite de l'ARN, Universite de Strasbourg, CNRS, IBMC,- Nucleic Acids Res. 2009 Sep 28. ([DOI Direct Link](#))
- [Virgibacillus sediminis sp. nov., a moderately halophilic bacterium isolated from a salt lake in China.](#)  
*A Gram-positive, moderately halophilic, alkalitolerant, strictly aerobic,...*25th September, 2009  
Yunnan Institute of Microbiology, Yunnan University, Kunming, Yunnan- Int J Syst Evol Microbiol. 2009 Aug;59(Pt 8):2058-63. Epub 2009 Jul 15. ([DOI Direct Link](#))
- [Falsibacillus pallidus to replace the homonym Bacillus pallidus Zhou et al. 2008.](#)  
*The prokaryotic species name Bacillus pallidus Zhou et al. 2008 is...*22nd September, 2009  
Zhejiang Academy of Agricultural Sciences;- Int J Syst Evol Microbiol. 2009 Sep 18. ([DOI Direct Link](#))
- [Presence of quorum-sensing inhibitor-like compounds from bacteria isolated from the brown alga Colpomenia sinuosa.](#)  
*AIMS: Several Gram-negative bacterial species use N-acyl homoserine...*8th September, 2009  
Environmental Biochemistry Group, Research Center for Inland Seas, Kobe- Lett Appl Microbiol. 2009 Nov;49(5):573-9. Epub 2009 Aug 11. ([DOI Direct Link](#))
- [Sporosarcina luteola sp. nov. isolated from soy sauce production equipment in Japan.](#)  
*A Gram-variable, spore-forming, motile rod, designated strain Y1T, was...*5th September, 2009  
Saitama Industrial Technology Center North Institute, Kumagaya, Japan.- J Gen Appl Microbiol. 2009 Jun;55(3):217-23.
- [Novel pink bollworm resistance to the Bt toxin Cry 1Ac: effects on mating, oviposition, larval development and survival.](#)  
*Bt cotton plants are genetically engineered to produce insecticidal toxins...*27th August, 2009  
USDA-ARS, Arid Land Agricultural Research Center, Maricopa, AZ 85238, USA.- J Insect Sci. 2009;9:24. ([DOI Direct Link](#))
- [Supplemental control of lepidopterous pests on Bt transgenic sweet corn with biologically-based spray treatments.](#)  
*Biologically-based spray treatments, including nucleopolyhedroviruses...*27th August, 2009  
USDA, Agricultural Research Service, Invasive Insect Biocontrol and- J Insect Sci. 2009;9:8. ([DOI Direct Link](#))
- [Gracilibacillus thailandensis sp. nov., from fermented fish \(pla-ra\).](#)  
*A novel strain, designated TP2-8T, was isolated from fermented fish...*8th August, 2009  
Department of Microbiology, Faculty of Pharmaceutical Sciences,- Int J Syst Evol Microbiol. 2009 Aug 6. ([DOI Direct Link](#))

#### Bacillaceae Patents:



- 7485618- [FGF-5 supported and binding peptides](#)
- 7511188- [Methods of protecting plants from pathogenic fungi](#)
- 7521235- [Unique novel Bacillus thuringiensis gene with Lepidopteran activity](#)
- 7521424- [Albumin fusion proteins](#)
- 7524816- [Peptides and supported peptides for treating skin diseases](#)

- 7528293- [Methods of protecting plants from pathogenic fungi](#)
- 7540961- [Methods for manufacturing hydrogen using anaerobic digestion](#)
- 7541434- [Polypeptide for a TRP channel family member, TRP-PLIK2, and splice variants](#)
- 7541517- [Bacillus thuringiensis CRY9 nucleic acids](#)
- 7544795- [Recombinant hexose oxidase, a method of producing same and use of such enzyme](#)
- 7544862- [Coleopteran-resistant transgenic plants and methods of their production](#)
- 7511129- [Bacillus thuringiensis isolate active against lepidopteran pests, and genes encoding novel lepidopteran-active toxins](#)
- 7510878- [Bacillus thuringiensis gene with lepidopteran activity](#)
- 7507414- [Albumin fusion proteins](#)
- 7491530- [Fusion partner cells and uses thereof](#)
- 7491536- [Bacillus thuringiensis cry gene and protein](#)
- 7491795- [Neuropeptides and their use for pest control](#)
- 7491869- [Methods of using non-plant insecticidal lipase encoding nucleic acids in transgenic plants](#)
- 7498027- [Methods of treatment using human tumor necrosis factor receptor TR17 antibodies](#)
- 7498413- [Maize antimicrobial protein useful for enhancing plant resistance to pathogens](#)
- 7501123- [Human G-protein chemokine receptor \(CCR5\) HDGMR10](#)
- 7504105- [Treatment using antibodies to cytokine receptor common gamma chain like](#)
- 7504481- [TRP channel family member, LTRPC3 polypeptides](#)
- 7507413- [Albumin fusion proteins](#)
- 7553927- [Plastid transit peptides](#)
- 7557080- [Bacillus Cry9 family members](#)
- 7598346- [Antifungal polypeptides](#)
- 7598348- [Adiponectin receptor variant, AdipoR2v2](#)
- 7601810- [Insecticidal plant cyclotide with activity against homopteran insects](#)
- 7601811- [Bacillus thuringiensis gene with lepidopteran activity](#)
- 7601894- [Bacillus thuringiensis gene with lepidopteran activity](#)
- 7605304- [Genes encoding novel bacillus thuringiensis proteins with pesticidal activity against coleopterans](#)
- 7611872- [Method for the production of D-pantothenic acid and/or salts thereof via purification by nanofiltration as adjunct for animal feedstuffs](#)
- 7612178- [Anti-IGF-1R antibodies and uses thereof](#)
- 7612194- [Nucleic acid sequences from Diabrotica virgifera virgifera LeConte and uses thereof](#)
- 7618942- [Method of using broad-spectrum delta-endotoxins](#)
- 7595186- [Cytotoxin-based biological containment](#)
- 7595185- [Cytotoxin-based biological containment](#)
- 7595173- [Low-cost production of peptides](#)
- 7557259- [Plastid transit peptides](#)
- 7557260- [Plastid transit peptides](#)
- 7557267- [Rubisco activase with increased thermostability and methods of use thereof](#)
- 7563863- [Plastid transit peptides](#)
- 7569384- [Albumin fusion proteins](#)
- 7572618- [Polynucleotides encoding novel PCSK9 variants](#)
- 7589176- [Antifungal polypeptides](#)
- 7589177- [Nucleic acid molecules encoding cyclotide polypeptides and methods of use](#)
- 7592010- [Albumin fusion proteins](#)
- 7595038- [Methods of treatment using antibodies to follistatin-3](#)
- 7619064- [Bacillus thuringiensis gene with coleopteran activity](#)

\*\*\*

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

