Resource Summary Report

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Bacillus Genetic Stock Center (BGSC)

RRID:SCR_014950
Type: Tool

Proper Citation

Bacillus Genetic Stock Center (BGSC) (RRID:SCR_014950)

Resource Information

URL: http://bgsc.org/

Proper Citation: Bacillus Genetic Stock Center (BGSC) (RRID:SCR_014950)

Description: Supplier of genetically characterized strains, cloning vectors, and bacteriophages for the genus Bacillus and related organisms. The BGSC can distribute these materials to qualified scientists and educators throughout the world.

Abbreviations: BGSC

Synonyms: Bacillus Genetic Stock Center

Resource Type: material resource, biomaterial supply resource

Keywords: bacillus, integration vector, cloning vector, strain, bacteriophage

Funding: NSF 0742066

Availability: Commercially available, Available to the research community

Resource Name: Bacillus Genetic Stock Center (BGSC)

Resource ID: SCR_014950

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250519T204959+0000

Ratings and Alerts

No rating or validation information has been found for Bacillus Genetic Stock Center (BGSC).

No alerts have been found for Bacillus Genetic Stock Center (BGSC).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 50 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Iwa?ska O, et al. (2025) Ribosomes translocation into the spore of Bacillus subtilis is highly organised and requires peptidoglycan rearrangements. Nature communications, 16(1), 354.

Pomerleau M, et al. (2024) Adaptive laboratory evolution reveals regulators involved in repressing biofilm development as key players in Bacillus subtilis root colonization. mSystems, 9(2), e0084323.

Adilkhanova A, et al. (2024) Electrofermentation increases concentration of poly ?-glutamic acid in Bacillus subtilis biofilms. Microbial biotechnology, 17(3), e14426.

Hachfi S, et al. (2024) Ingestion of Bacillus cereus spores dampens the immune response to favor bacterial persistence. Nature communications, 15(1), 7733.

Tleiss F, et al. (2024) Spatial and temporal coordination of Duox/TrpA1/Dh31 and IMD pathways is required for the efficient elimination of pathogenic bacteria in the intestine of Drosophila larvae. eLife, 13.

Jneid R, et al. (2023) Bacillus thuringiensis toxins divert progenitor cells toward enteroendocrine fate by decreasing cell adhesion with intestinal stem cells in Drosophila. eLife, 12.

Beamer MA, et al. (2023) Novel 3D Flipwell system that models gut mucosal microenvironment for studying interactions between gut microbiota, epithelia and immunity. Scientific reports, 13(1), 870.

Fernandez NL, et al. (2023) DNA Methylation and RNA-DNA Hybrids Regulate the Single-Molecule Localization of a DNA Methyltransferase on the Bacterial Nucleoid. mBio, 14(1), e0318522.

Angelini LL, et al. (2023) Pulcherrimin protects Bacillus subtilis against oxidative stress during biofilm development. NPJ biofilms and microbiomes, 9(1), 50.

Sun L, et al. (2023) Experimental Evolution Reveals a Novel Ene Reductase That Detoxifies

?,?-Unsaturated Aldehydes in Listeria monocytogenes. Microbiology spectrum, 11(3), e0487722.

Ferrando J, et al. (2023) Barriers to simultaneous multilocus integration in Bacillus subtilis tumble down: development of a straightforward screening method for the colorimetric detection of one-step multiple gene insertion using the CRISPR-Cas9 system. Microbial cell factories, 22(1), 21.

Charron-Lamoureux V, et al. (2023) Pulcherriminic acid modulates iron availability and protects against oxidative stress during microbial interactions. Nature communications, 14(1), 2536.

Bremer E, et al. (2023) A model industrial workhorse: Bacillus subtilis strain 168 and its genome after a quarter of a century. Microbial biotechnology, 16(6), 1203.

Harden MM, et al. (2022) A CRISPR interference screen reveals a role for cell wall teichoic acids in conjugation in Bacillus subtilis. Molecular microbiology, 117(6), 1366.

Deol R, et al. (2022) Poly-Gamma-Glutamic Acid Secretion Protects Bacillus subtilis from Zinc and Copper Intoxication. Microbiology spectrum, 10(2), e0132921.

Tzipilevich E, et al. (2021) Plant immune system activation is necessary for efficient root colonization by auxin-secreting beneficial bacteria. Cell host & microbe, 29(10), 1507.

Brady A, et al. (2021) The arbitrium system controls prophage induction. Current biology : CB, 31(22), 5037.

Judd JA, et al. (2021) A Mycobacterial Systems Resource for the Research Community. mBio, 12(2).

Tzipilevich E, et al. (2021) Phage-Resistant Bacteria Reveal a Role for Potassium in Root Colonization. mBio, 12(4), e0140321.

McLoon AL, et al. (2021) An Adaptable and Modular Set of Laboratory Exercises Connecting Genotype to Phenotype in Sporulating Bacillus subtilis. Journal of microbiology & biology education, 22(3).