

# 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:** biomaterial supply resource, material 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:** 20260801T191057+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 53 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

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

He Y, et al. (2025) A novel regulation on the developmental checkpoint protein Sda that controls sporulation and biofilm formation in *Bacillus subtilis*. *Journal of bacteriology*, 207(3), e0021024.

Matavacas J, et al. (2025) Protein Homeostasis Impairment Alters Phenotypic Heterogeneity of Biofilm Communities. *Molecular microbiology*, 124(1), 1.

Hernandez J, et al. (2025) A Lyt at the end of the tunnel? Unraveling the complex interactions of the N-acetylglucosaminidase LytG in cell wall metabolism. *RSC chemical biology*, 6(12), 1848.

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  $\gamma$ -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  $\alpha,\beta$ -Unsaturated Aldehydes in *Listeria monocytogenes*. *Microbiology spectrum*, 11(3), e0487722.

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.

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.

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.

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

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