

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

pGGZ001

RRID:Addgene_48868

Type: Plasmid

Proper Citation

RRID:Addgene_48868

Plasmid Information

URL: <http://www.addgene.org/48868>

Proper Citation: RRID:Addgene_48868

Bacterial Resistance: Chloramphenicol and Spectinomycin

Defining Citation: [PMID:24376629](#)

Vector Backbone Description: Backbone Size:2673; Vector Backbone:pGreenII; Vector Types:Golden Gate compatible plant transformation vector; Bacterial Resistance:Chloramphenicol and Spectinomycin

Comments: This plasmid is designed as destination vector for Golden Gate cloning using the BsaI enzyme. The 5' BsaI overhang can be exchanged using KpnI and EcoRI. The 3' BsaI overhang can be exchanged using XhoI and XbaI. There is also a a NotI-PacI-SgsI-SfaAI-KpnI MCS in front of the A-overhang and an XbaI-PaeI MCS after the G-overhang. Plasmid Features (listed as bp in full plasmid sequence): BsaI site #1 = 640-650bp BsaI site #2 = 2078-2088bp

Plasmid Name: pGGZ001

Record Creation Time: 20220422T222251+0000

Record Last Update: 20260725T074753+0000

Ratings and Alerts

No rating or validation information has been found for pGGZ001.

No alerts have been found for pGGZ001.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Strotmann VI, et al. (2025) Root stem cell homeostasis in Arabidopsis involves cell-type specific transcription factor complexes. EMBO reports, 26(9), 2323.

Tang LP, et al. (2025) Time-resolved reprogramming of single somatic cells into totipotent states during plant regeneration. Cell.

Alshareef NO, et al. (2025) Root remodeling mechanisms and salt tolerance trade-offs: The roles of HKT1, TMAC2, and TIP2;2 in Arabidopsis. PLoS genetics, 21(6), e1011713.

Kokla A, et al. (2025) A long-distance inhibitory system regulates haustoria numbers in parasitic plants. Proceedings of the National Academy of Sciences of the United States of America, 122(8), e2424557122.

Salazar OR, et al. (2024) SOS1 tonoplast neo-localization and the RGG protein SALTY are important in the extreme salinity tolerance of Salicornia bigelovii. Nature communications, 15(1), 4279.

Reichel M, et al. (2024) ALBA proteins facilitate cytoplasmic YTHDF-mediated reading of m6A in Arabidopsis. The EMBO journal, 43(24), 6626.

Leso M, et al. (2023) Pectin modifications promote haustoria development in the parasitic plant Phtheirospermum japonicum. Plant physiology, 194(1), 229.

Schlegel J, et al. (2021) Control of Arabidopsis shoot stem cell homeostasis by two antagonistic CLE peptide signalling pathways. eLife, 10.