

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[pIMAY](#)

RRID:Addgene_68939

Type: Plasmid

Proper Citation

RRID:Addgene_68939

Plasmid Information

URL: <http://www.addgene.org/68939>

Proper Citation: RRID:Addgene_68939

Bacterial Resistance: Chloramphenicol

Defining Citation: [PMID:22434850](#)

Vector Backbone Description: Backbone Size:5743; Vector Backbone:N/A; Vector Types:Staphylococcal allelic exchange vector; Bacterial Resistance:Chloramphenicol

Comments: It is prudent to check that the pIMAY is still temperature sensitive in Staph Aureus before starting any cloning. The author found out that it could lose this function while cultured in Ecoli. That's why Ecoli bearing pIMAY MUST be cultured at 37C in Chloramphenicol (10⁷g/ml).

Plasmid Name: pIMAY

Record Creation Time: 20220422T222428+0000

Record Last Update: 20260815T081854+0000

Ratings and Alerts

No rating or validation information has been found for pIMAY.

No alerts have been found for pIMAY.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Kowalski CH, et al. (2025) Skin mycobiota-mediated antagonism against *Staphylococcus aureus* through a modified fatty acid. *Current biology : CB*, 35(10), 2266.

Alves J, et al. (2024) Experimental evolution of *Staphylococcus aureus* in macrophages: dissection of a conditional adaptive trait promoting intracellular survival. *mBio*, 15(6), e0034624.

Savin A, et al. (2024) *Staphylococcus aureus* senses human neutrophils via PerR to coordinate the expression of the toxin LukAB. *Infection and immunity*, 92(2), e0052623.

Liu F, et al. (2024) Engineered skin microbiome reduces mosquito attraction to mice. *PNAS nexus*, 3(7), pgae267.

Evans DCS, et al. (2023) GFP fusions of Sec-routed extracellular proteins in *Staphylococcus aureus* reveal surface-associated coagulase in biofilms. *Microbial cell (Graz, Austria)*, 10(7), 145.

Liu F, et al. (2023) Engineered Skin Microbiome Reduces Mosquito Attraction to Mice. *bioRxiv : the preprint server for biology*.

Dyzenhaus S, et al. (2023) MRSA lineage USA300 isolated from bloodstream infections exhibit altered virulence regulation. *Cell host & microbe*, 31(2), 228.

Gaston JR, et al. (2020) *Enterococcus faecalis* Polymicrobial Interactions Facilitate Biofilm Formation, Antibiotic Recalcitrance, and Persistent Colonization of the Catheterized Urinary Tract. *Pathogens (Basel, Switzerland)*, 9(10).

Schuster CF, et al. (2019) Use of the counter selectable marker PheS* for genome engineering in *Staphylococcus aureus*. *Microbiology (Reading, England)*, 165(5), 572.

McAuley S, et al. (2019) Discovery of a Novel DNA Gyrase-Targeting Antibiotic through the Chemical Perturbation of *Streptomyces venezuelae* Sporulation. *Cell chemical biology*, 26(9), 1274.

Miller H, et al. (2015) Superresolution imaging of single DNA molecules using stochastic photoblinking of minor groove and intercalating dyes. *Methods (San Diego, Calif.)*, 88, 81.