

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

[pJV53](#)

RRID:Addgene_26904

Type: Plasmid

Proper Citation

RRID:Addgene_26904

Plasmid Information

URL: <http://www.addgene.org/26904>

Proper Citation: RRID:Addgene_26904

Insert Name: Che9c genes 60-61

Organism: Mycobacteriophage

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:17179933](#)

Vector Backbone Description: Backbone Marker:Hatfull lab, Addgene plasmid 26908; Backbone Size:6758; Vector Backbone:pLAM12; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pJV53

Record Creation Time: 20220422T222121+0000

Record Last Update: 20260905T075436+0000

Ratings and Alerts

No rating or validation information has been found for pJV53.

No alerts have been found for pJV53.

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](#) .

Zein-Eddine R, et al. (2025) Genome wide analyses reveal the role of mutator phenotypes in Mycobacterium tuberculosis drug resistance emergence. npj antimicrobials and resistance, 3(1), 35.

Yu Y, et al. (2025) Pathogenic phosphorylation of linear ubiquitin machinery causes inflammasome sensor degradation. Cell reports, 44(9), 116286.

Nair G, et al. (2024) An intramolecular cross-talk in D29 mycobacteriophage endolysin governs the lytic cycle and phage-host population dynamics. Science advances, 10(6), eadh9812.

Seniya SP, et al. (2022) Decoding phage resistance by mpr and its role in survivability of Mycobacterium smegmatis. Nucleic acids research, 50(12), 6938.

Kurane T, et al. (2022) GRIM-19 is a target of mycobacterial Zn²⁺ metalloprotease 1 and indispensable for NLRP3 inflammasome activation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 36(1), e22096.

Qiang L, et al. (2019) Mycobacterium tuberculosis Mce2E suppresses the macrophage innate immune response and promotes epithelial cell proliferation. Cellular & molecular immunology, 16(4), 380.

Joshi H, et al. (2019) Understanding the role of the lysozyme-like domain of D29 mycobacteriophage-encoded endolysin in host cell lysis and phage propagation. Microbiology (Reading, England), 165(9), 1013.

Dubey AA, et al. (2018) Methylophony in Mycobacteria: Dissection of the Methanol Metabolism Pathway in Mycobacterium smegmatis. Journal of bacteriology, 200(17).