

# Resource Summary Report

Generated by [NIF](#) on Sep 2, 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:** 20260902T045147+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.

Kurane T, et al. (2022) GRIM-19 is a target of mycobacterial Zn<sup>2+</sup> metalloprotease 1 and indispensable for NLRP3 inflammasome activation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 36(1), e22096.

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

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).