

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

[pFPV-mCherry](#)

RRID:Addgene_20956

Type: Plasmid

Proper Citation

RRID:Addgene_20956

Plasmid Information

URL: <http://www.addgene.org/20956>

Proper Citation: RRID:Addgene_20956

Insert Name: mCherry

Organism: Discosoma

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18785994](#)

Vector Backbone Description: Backbone Size:4000; Vector Backbone:pFPV; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Shaner et al., (2004) Nature Biotechnology 22,1567-1572

Plasmid Name: pFPV-mCherry

Record Creation Time: 20220422T222053+0000

Record Last Update: 20260902T043843+0000

Ratings and Alerts

No rating or validation information has been found for pFPV-mCherry.

No alerts have been found for pFPV-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Chan FHM, et al. (2025) Plasticity of cell death pathways ensures GSDMD activation during *Yersinia pseudotuberculosis* infection. *Cell reports*, 44(1), 115216.

Geiser P, et al. (2025) Determinants of divergent *Salmonella* and *Shigella* epithelial colonization strategies resolved in human enteroids and colonoids. *mBio*, 16(7), e0091125.

Gomes MC, et al. (2025) *Shigella*-trained pro-inflammatory macrophages protect zebrafish from secondary infection. *Cell reports*, 44(5), 115601.

Eislmayr KD, et al. (2025) Macrophages orchestrate elimination of *Shigella* from the intestinal epithelial cell niche via TLR-induced IL-12 and IFN- γ . *Cell host & microbe*, 33(9), 1535.

Yalom LK, et al. (2025) Spatially separated epithelium-associated and lamina propria neutrophils present distinct functional identities in the inflamed colon mucosa. *Mucosal immunology*, 18(3), 685.

Safwan SM, et al. (2024) Xanthone Derivatives Enhance the Therapeutic Potential of Neomycin against Polymicrobial Gram-Negative Bacterial Infections. *ACS infectious diseases*, 10(2), 527.

Arora A, et al. (2024) Cholic Acid-Derived Gemini Amphiphile Can Eradicate Interkingdom Polymicrobial Biofilms and Wound Infections. *ACS infectious diseases*, 10(1), 138.

Turner M, et al. (2023) The gut microbiota induces melanin deposits that act as substrates for fimA-mediated aggregation of *Salmonella Typhimurium* and enhance infection of the German cockroach vector. *Microbiology spectrum*, 11(5), e0211923.

Pearl Mizrahi S, et al. (2023) Community interactions drive the evolution of antibiotic tolerance in bacteria. *Proceedings of the National Academy of Sciences of the United States of America*, 120(3), e2209043119.

Hamblin M, et al. (2023) *Salmonella enterica* serovar Typhi uses two type 3 secretion systems to replicate in human macrophages and colonize humanized mice. *mBio*, 14(4), e0113723.

Kumar P, et al. (2022) Bidirectional regulation between AP-1 and SUMOylation pathway genes modulates inflammatory signaling during *Salmonella* infection. *Journal of cell science*, 135(16).

Ek V, et al. (2022) A motile doublet form of *Salmonella Typhimurium* diversifies target search behavior at the epithelial surface. *Molecular microbiology*, 117(5), 1156.

Lisowski C, et al. (2022) Dysregulated endolysosomal trafficking in cells arrested in the G1 phase of the host cell cycle impairs *Salmonella* vacuolar replication. *Autophagy*, 18(8),

1785.

O'Connor NJ, et al. (2021) Engineering Transcriptional Interference through RNA Polymerase Processivity Control. *ACS synthetic biology*, 10(4), 737.

van Rijn JM, et al. (2021) High-Definition DIC Imaging Uncovers Transient Stages of Pathogen Infection Cycles on the Surface of Human Adult Stem Cell-Derived Intestinal Epithelium. *mBio*, 13(1), e0002222.

Eller KA, et al. (2021) Facile accelerated specific therapeutic (FAST) platform develops antisense therapies to counter multidrug-resistant bacteria. *Communications biology*, 4(1), 331.

Geiser P, et al. (2021) *Salmonella enterica* Serovar Typhimurium Exploits Cycling through Epithelial Cells To Colonize Human and Murine Enteroids. *mBio*, 12(1).

Sharkey CR, et al. (2020) The spectral sensitivity of *Drosophila* photoreceptors. *Scientific reports*, 10(1), 18242.

Mohapatra G, et al. (2019) A SUMOylation-dependent switch of RAB7 governs intracellular life and pathogenesis of *Salmonella* Typhimurium. *Journal of cell science*, 132(1).

Desai SK, et al. (2019) *Salmonella* biofilms program innate immunity for persistence in *Caenorhabditis elegans*. *Proceedings of the National Academy of Sciences of the United States of America*, 116(25), 12462.