

# Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

## p11-LacY-wtx1

RRID:Addgene\_69056

Type: Plasmid

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### Proper Citation

RRID:Addgene\_69056

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### Plasmid Information

**URL:** <http://www.addgene.org/69056>

**Proper Citation:** RRID:Addgene\_69056

**Insert Name:** ccdB

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:16214805](#)

**Vector Backbone Description:** Backbone Size:4600; Vector Backbone:pBAD18; Vector Types;; Bacterial Resistance:Ampicillin

**Comments:** Note: Some users of this plasmid report low DNA yields from DNA preps. Addgene recommends users be aware of this when prepping DNA from this plasmid.

**Plasmid Name:** p11-LacY-wtx1

**Record Creation Time:** 20220422T222429+0000

**Record Last Update:** 20260902T050017+0000

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### Ratings and Alerts

No rating or validation information has been found for p11-LacY-wtx1.

No alerts have been found for p11-LacY-wtx1.

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### Data and Source Information

**Source:** [Addgene](#)

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### Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Nayfach S, et al. (2025) Engineering of CRISPR-Cas PAM recognition using deep learning of vast evolutionary data. bioRxiv : the preprint server for biology.

Herring-Nicholas A, et al. (2025) TOP-SECRETS enables Cas9 nucleases to discriminate SNVs outside of PAMs. bioRxiv : the preprint server for biology.

Park SG, et al. (2025) Comprehensive profiling of activity and specificity of RNA-guided transposons reveals opportunities to engineer improved variants. Nucleic acids research, 53(18).

Alves CRR, et al. (2025) Treatment of a severe vascular disease using a bespoke CRISPR-Cas9 base editor in mice. Nature biomedical engineering.

Silverstein RA, et al. (2025) Custom CRISPR-Cas9 PAM variants via scalable engineering and machine learning. Nature, 643(8071), 539.

Schmidheini L, et al. (2024) Continuous directed evolution of a compact CjCas9 variant with broad PAM compatibility. Nature chemical biology, 20(3), 333.

Herring-Nicholas A, et al. (2024) Selection of extended CRISPR RNAs with enhanced targeting and specificity. Communications biology, 7(1), 86.

Pedrazzoli E, et al. (2024) CoCas9 is a compact nuclease from the human microbiome for efficient and precise genome editing. Nature communications, 15(1), 3478.

Christie KA, et al. (2023) Precise DNA cleavage using CRISPR-SpRYgests. Nature biotechnology, 41(3), 409.

Herring-Nicholas A, et al. (2023) Selection of Extended CRISPR RNAs with Enhanced Targeting and Specificity. bioRxiv : the preprint server for biology.

Ciciani M, et al. (2022) Automated identification of sequence-tailored Cas9 proteins using massive metagenomic data. Nature communications, 13(1), 6474.

Kleinstiver BP, et al. (2019) Engineered CRISPR-Cas12a variants with increased activities and improved targeting ranges for gene, epigenetic and base editing. Nature biotechnology, 37(3), 276.