

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

pICSL11024 (pICH47732::NOSp-NPTII-OCST)

RRID:Addgene_51144

Type: Plasmid

Proper Citation

RRID:Addgene_51144

Plasmid Information

URL: <http://www.addgene.org/51144>

Proper Citation: RRID:Addgene_51144

Insert Name: NOSp-NPTII-OCST

Organism: Synthetic

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Sylvestre Marillonnet; Vector Backbone:pICH47732; Vector Types;; Bacterial Resistance:Ampicillin

Plasmid Name: pICSL11024 (pICH47732::NOSp-NPTII-OCST)

Record Creation Time: 20220422T222301+0000

Record Last Update: 20260829T080637+0000

Ratings and Alerts

No rating or validation information has been found for pICSL11024 (pICH47732::NOSp-NPTII-OCST).

No alerts have been found for pICSL11024 (pICH47732::NOSp-NPTII-OCST).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Van Vu T, et al. (2026) Development of an ultra-efficient prime editing system in tomato. *Nature communications*, 17(1), 95.

Swinnen G, et al. (2025) Application of a GRF-GIF chimera enhances plant regeneration for genome editing in tomato. *Plant biotechnology journal*, 23(9), 4044.

Almeida J, et al. (2025) The FIBRILLIN multigene family in tomato, their roles in plastoglobuli structure and metabolism. *The Plant journal : for cell and molecular biology*, 123(5), e70447.

Kunta S, et al. (2025) Species-specific PHYTOCHROME-INTERACTING FACTOR utilization in the plant morphogenetic response to environmental stimuli. *The Plant cell*, 37(5).

Perk EA, et al. (2024) CRISPR-Cas9 Protocol for Efficient Gene Knockout and Transgene-free Plant Generation. *Bio-protocol*, 14(11), e5012.

Kerwin RE, et al. (2024) Tomato root specialized metabolites evolved through gene duplication and regulatory divergence within a biosynthetic gene cluster. *Science advances*, 10(17), eadn3991.

Giacomelli L, et al. (2023) Simultaneous editing of two DMR6 genes in grapevine results in reduced susceptibility to downy mildew. *Frontiers in plant science*, 14, 1242240.

Vollheyde K, et al. (2023) An improved *Nicotiana benthamiana* bioproduction chassis provides novel insights into nicotine biosynthesis. *The New phytologist*, 240(1), 302.

Drapal M, et al. (2023) The potential of metabolomics in assessing global compositional changes resulting from the application of CRISPR/Cas9 technologies. *Transgenic research*, 32(4), 265.

Tran MT, et al. (2021) CRISPR/Cas9-based precise excision of SIHyPRP1 domain(s) to obtain salt stress-tolerant tomato. *Plant cell reports*, 40(6), 999.

Son GH, et al. (2021) Conserved Opposite Functions in Plant Resistance to Biotrophic and Necrotrophic Pathogens of the Immune Regulator SRFR1. *International journal of molecular sciences*, 22(12).

Kourelis J, et al. (2020) Evolution of a guarded decoy protease and its receptor in solanaceous plants. *Nature communications*, 11(1), 4393.

Fan P, et al. (2020) Evolution of a plant gene cluster in Solanaceae and emergence of metabolic diversity. *eLife*, 9.

Israeli A, et al. (2019) Multiple Auxin-Response Regulators Enable Stability and Variability in Leaf Development. *Current biology : CB*, 29(11), 1746.

Wang D, et al. (2019) Characterization of CRISPR Mutants Targeting Genes Modulating Pectin Degradation in Ripening Tomato. *Plant physiology*, 179(2), 544.

Leong BJ, et al. (2019) Evolution of metabolic novelty: A trichome-expressed invertase creates specialized metabolic diversity in wild tomato. *Science advances*, 5(4), eaaw3754.

Tomlinson L, et al. (2019) Using CRISPR/Cas9 genome editing in tomato to create a gibberellin-responsive dominant dwarf DELLA allele. *Plant biotechnology journal*, 17(1), 132.

Buscaill P, et al. (2019) Glycosidase and glycan polymorphism control hydrolytic release of immunogenic flagellin peptides. *Science (New York, N.Y.)*, 364(6436).

Bollier N, et al. (2018) At-MINI ZINC FINGER2 and SI-INHIBITOR OF MERISTEM ACTIVITY, a Conserved Missing Link in the Regulation of Floral Meristem Termination in Arabidopsis and Tomato. *The Plant cell*, 30(1), 83.

Wu S, et al. (2018) A common genetic mechanism underlies morphological diversity in fruits and other plant organs. *Nature communications*, 9(1), 4734.