

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 14, 2026

pYLsgRNA-AtU6-1

RRID:Addgene_66202

Type: Plasmid

Proper Citation

RRID:Addgene_66202

Plasmid Information

URL: <http://www.addgene.org/66202>

Proper Citation: RRID:Addgene_66202

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25917172](#)

Vector Backbone Description: Vector Backbone:based on pUC18; Vector Types:Cloning Vector; Bacterial Resistance:Ampicillin

Comments: Accession number KR029101 Please see our published protocol for using these plasmids. Ma, X. and Liu, Y.-G. 2016. CRISPR/Cas9-based multiplex genome editing in monocot and dicot plants. Curr. Protoc. Mol. Biol. 115:31.6.1-31.6.21. <http://onlinelibrary.wiley.com/doi/10.1002/cpmb.10/abstract> doi: 10.1002/cpmb.10

Plasmid Name: pYLsgRNA-AtU6-1

Record Creation Time: 20220422T222416+0000

Record Last Update: 20260808T082011+0000

Ratings and Alerts

No rating or validation information has been found for pYLsgRNA-AtU6-1.

No alerts have been found for pYLsgRNA-AtU6-1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Sandgrind S, et al. (2023) Improved fatty acid composition of field cress (*Lepidium campestre*) by CRISPR/Cas9-mediated genome editing. *Frontiers in plant science*, 14, 1076704.

Wang L, et al. (2022) CRISPR-Cas9-mediated editing of starch branching enzymes results in altered starch structure in *Brassica napus*. *Plant physiology*, 188(4), 1866.

Varappambath V, et al. (2022) Mechanical conflict caused by a cell-wall-loosening enzyme activates de novo shoot regeneration. *Developmental cell*, 57(17), 2063.

Li X, et al. (2021) Efficient Protoplast Regeneration Protocol and CRISPR/Cas9-Mediated Editing of Glucosinolate Transporter (GTR) Genes in Rapeseed (*Brassica napus* L.). *Frontiers in plant science*, 12, 680859.

Wang X, et al. (2020) An inducible genome editing system for plants. *Nature plants*, 6(7), 766.

Pang H, et al. (2019) Knockout of the S-acyltransferase Gene, PbPAT14, Confers the Dwarf Yellowing Phenotype in First Generation Pear by ABA Accumulation. *International journal of molecular sciences*, 20(24).

Ma X, et al. (2016) CRISPR/Cas9-Based Multiplex Genome Editing in Monocot and Dicot Plants. *Current protocols in molecular biology*, 115, 31.6.1.