

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

pWY82

RRID:Addgene_65721

Type: Plasmid

Proper Citation

RRID:Addgene_65721

Plasmid Information

URL: <http://www.addgene.org/65721>

Proper Citation: RRID:Addgene_65721

Insert Name: Telomere

Organism: Arabidopsis thaliana

Bacterial Resistance: Spectinomycin and Streptomycin

Defining Citation: [PMID:17085598](#)

Vector Backbone Description: Backbone Size:9189; Vector Backbone:pTF101.1; Vector Types:Plant Expression; Bacterial Resistance:Spectinomycin and Streptomycin

Comments: Please note that Addgene NGS found a 1.5kb deletion in the telomere repeats as compared to the original depositor sequence. The depositor has confirmed that the telomere sequence in the plasmid is inherently unstable, and that the plasmid is still functional for telomere truncation. The plasmid was also verified by restriction digest. The gel image is provided on this page under- Resource Information- Addgene Notes.

Plasmid Name: pWY82

Record Creation Time: 20220422T222414+0000

Record Last Update: 20260905T075942+0000

Ratings and Alerts

No rating or validation information has been found for pWY82.

No alerts have been found for pWY82.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Tham CY, et al. (2023) High-throughput telomere length measurement at nucleotide resolution using the PacBio high fidelity sequencing platform. Nature communications, 14(1), 281.

Graham N, et al. (2016) Production of Engineered Minichromosome Vectors via the Introduction of Telomere Sequences. Methods in molecular biology (Clifton, N.J.), 1469, 1.

Swyers NC, et al. (2016) Telomere-Mediated Chromosomal Truncation for Generating Engineered Minichromosomes in Maize. Current protocols in plant biology, 1(3), 488.