

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

pFH6_new

RRID:Addgene_105866

Type: Plasmid

Proper Citation

RRID:Addgene_105866

Plasmid Information

URL: <http://www.addgene.org/105866>

Proper Citation: RRID:Addgene_105866

Insert Name: U6-26p::sgRNA scaffold

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34541122](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:3017; Vector Backbone:pGEM T-easy; Vector Types:Plant Expression, CRISPR, Synthetic Biology, Subcloning; Bacterial Resistance:Ampicillin

Comments: The new version of pFH6 (pFH6_new) provides > 10 times higher mutation efficiencies than the original version. In combination with pUB-Cas9, homozygous knockout plants can be created in Arabidopsis in the T2 generation at efficiencies of 50-100%. For cloning procedure, please use the attached protocol which is derived from Hahn et al., 2017 (<http://www.bio-protocol.org/e2384>).

Plasmid Name: pFH6_new

Record Creation Time: 20220422T221514+0000

Record Last Update: 20260919T090433+0000

Ratings and Alerts

No rating or validation information has been found for pFH6_new.

No alerts have been found for pFH6_new.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.