

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

[pVRa22_4450](#)

RRID:Addgene_49676

Type: Plasmid

Proper Citation

RRID:Addgene_49676

Plasmid Information

URL: <http://www.addgene.org/49676>

Proper Citation: RRID:Addgene_49676

Insert Name: ECF22_4450

Organism: Xanthomonas campestris pv. campestris str. ATCC 33913

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24169405](#)

Vector Backbone Description: Vector Backbone:pVRa; Vector Types:Bacterial Expression, Synthetic Biology; Bacterial Resistance:Ampicillin

Plasmid Name: pVRa22_4450

Relevant Mutation: Codon optimized for E.coli

Record Creation Time: 20220422T222255+0000

Record Last Update: 20260815T081602+0000

Ratings and Alerts

No rating or validation information has been found for pVRa22_4450.

No alerts have been found for pVRa22_4450.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.