

# Resource Summary Report

Generated by [dkNET](#) on Aug 17, 2026

## pQE30-VRN1-R249E-R289E-R296E

RRID:Addgene\_159532

Type: Plasmid

---

### Proper Citation

RRID:Addgene\_159532

---

### Plasmid Information

**URL:** <http://www.addgene.org/159532>

**Proper Citation:** RRID:Addgene\_159532

**Insert Name:** VERNALIZATION1

**Organism:** Arabidopsis thaliana

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:23255593](#)

**Vector Backbone Description:** Backbone Marker:Qiagen; Backbone Size:3433; Vector Backbone:pQE30; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** pQE30-VRN1-R249E-R289E-R296E

**Relevant Mutation:** Three charge reversal mutations, namely R249E R289E R296E

**Record Creation Time:** 20220422T221903+0000

**Record Last Update:** 20260815T080830+0000

---

### Ratings and Alerts

No rating or validation information has been found for pQE30-VRN1-R249E-R289E-R296E.

No alerts have been found for pQE30-VRN1-R249E-R289E-R296E.

---

### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We have not found any literature mentions for this resource.