

Resource Summary Report

Generated by [dkNET](#) on Aug 18, 2026

Osa-pCAMBIA-1301-STTM5144

RRID:Addgene_84235

Type: Plasmid

Proper Citation

RRID:Addgene_84235

Plasmid Information

URL: <http://www.addgene.org/84235>

Proper Citation: RRID:Addgene_84235

Insert Name: miR5144

Organism: Rice

Bacterial Resistance: Chloramphenicol and Kanamycin

Defining Citation: [PMID:22345490](#)

Vector Backbone Description: Backbone Marker:CAMBIA Company ; Backbone Size:11827; Vector Backbone:pCAMBIA-1301; Vector Types:Bacterial Expression, Yeast Expression, Plant Expression; Bacterial Resistance:Chloramphenicol and Kanamycin

Comments: This plasmid used to disturb miR5144's expression by STTM method invented by Dr. Guiliang Tang's Lab in Michigan Technological University (Plant cell, 2012), Houghton, MI, USA. The method used to construct this plasmid refers to Tang et al., (Methods, 2012) with minor revision. The STTM sequence in this plasmid may contain discrepancies compared to the reference sequence(s). According to the depositing lab, these mutations should not affect plasmid function. For additional published information regarding this plasmid, please see [https://www.cell.com/molecular-plant/pdf/S1674-2052\(18\)30275-2.pdf?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS1674205218302752](https://www.cell.com/molecular-plant/pdf/S1674-2052(18)30275-2.pdf?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS1674205218302752)

Plasmid Name: Osa-pCAMBIA-1301-STTM5144

Record Creation Time: 20220422T222543+0000

Record Last Update: 20260815T082113+0000

Ratings and Alerts

No rating or validation information has been found for Osa-pCAMBIA-1301-STTM5144.

No alerts have been found for Osa-pCAMBIA-1301-STTM5144.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.