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Protocol status: Working
 These protocols were used for RNA extraction from plant tissues in order to support the One Thousand Plants initiative's work to produce RNA-Seq transcriptomes from a diverse collection of plant samples.

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RNA Isolation from Plant Tissue Protocol 1: Qiagen RNeasy Plant Mini Kit

In 1 collection

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ABSTRACT

Protocol implemented by: Jim Leebens-Mack and Charlotte Carrigan

The first protocol used for isolation of total RNA was Qiagen's [RNeasy Plant Mini Kit](#) (Qiagen, Valencia, CA). These kits are commercially available and widely used in RNA isolation. For detailed methods associated with this kit we refer readers to the "[RNeasy Mini Handbook](#)" available for download at www.qiagen.com.

This protocol is part of a collection of eighteen protocols used to isolate total RNA from plant tissue. (RNA Isolation from Plant Tissue Collection: <https://www.protocols.io/view/rna-isolation-from-plant-tissue-439gyr6>)

ATTACHMENTS

[journal.pone.0050226.s011-1.pdf](#)

MATERIALS

MATERIALS

RNeasy Plant Mini Kit Qiagen Catalog
 #74904

SAFETY WARNINGS

Please see SDS (Safety Data Sheet) for hazards and safety warnings.

PROTOCOL integer ID:
25239

Keywords: RNA, RNA
isolation, RNA extraction,
plant tissue, plant RNA