

Resource Summary Report

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RNA extractions from de-etiolated Arabidopsis seedlings using CTAB

DOI:10.17504/protocols.io.3f6gjre

Type: Protocol

Proper Citation

Akila Wijerathna Yapa, Andrew Bowerman, Diep Ganguly 2019. RNA extractions from de-etiolated Arabidopsis seedlings using CTAB. protocols.io
[dx.doi.org/10.17504/protocols.io.3f6gjre](https://doi.org/10.17504/protocols.io.3f6gjre)

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.3f6gjre>

Authors: Akila Wijerathna Yapa, Andrew Bowerman, Diep Ganguly

Group: Pogson Genomics Group, EBL_ANU

Summary: A CTAB based method for extracting RNA, which is particularly useful for tough tissues. This has been adapted from a protocol that was originally used for pine tree tissue, which is difficult due to the high concentrations of polysaccharides, phenolics, and RNase (Chang, S., Puryear, J. & Cairney, J. Plant Mol Biol Rep (1993) 11: 113. <https://doi.org/10.1007/BF02670468>). The protocol described herein was an effective alternative to TRIzol based extractions for recovering RNA from juvenile de-etiolated tissues.

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Version: 1

Publication Date: 2019

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Record Creation Time: 20210329T220515+0000

Record Last Update: 20210329T220829+0000

Data and Source Information

Source: