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Protocol status: Working
 We use this protocol and it's working

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Sequencing Protocols for the One Thousand Plant Transcriptomes Initiative

Eric J. Carpenter¹, Naim Matasci^{2,3}, Shuangxiu Wu⁴, Jing Sun⁴, Jun Yu⁴, Fabio Rocha Jimenez Vieira⁵, Chris Bowler⁵, Richard G. Dorrell⁵, Matt Gitzendanner⁶, Ling Li⁷, Wensi Du⁷, Kristian Ullrich⁸, Michael S. Barker⁹, James H. Leebens-Mack¹⁰, Gane Ka-Shu Wong¹¹

¹Department of Biological Sciences, University of Alberta, Edmonton, Alberta, T6G 2E9, Canada.;

²CyVerse, University of Arizona, Arizona, U.S.A.;

³Current address: Lawrence J. Ellison Institute for Transformative Medicine, University of Southern California, Los Angeles, CA 90033, U.S.A.;

⁴CAS Key Laboratory of Genome Sciences and Information, Beijing, Institute of Genomics, Chinese Academy of Sciences, Beijing 100101, People's Republic of China.;

⁵École Normale Supérieure, Paris.;

⁶Department of Biology, University of Florida, Gainesville, Florida 32611, USA.;

⁷BGI-Shenzhen, Beishan Industrial Zone, Yantian District, Shenzhen 518083, People's Republic of China.;

⁸Department of Evolutionary Genetics, Max Planck Institute for Evolutionary Biology, Plön, Germany.;

⁹Department of Ecology & Evolutionary Biology, University of Arizona, Tucson, AZ 85721 USA.;

¹⁰Department of Plant Biology, University of Georgia, Athens, GA 30602, USA.;

¹¹Department of Biological Sciences, University of Alberta, Edmonton, Alberta, T6G 2E9, Canada.BGI-Shenzhen, Beishan Industrial Zone, Yantian District, Shenzhen 518083, People's Republic of China.Department of Medicine, University of Alberta, Edmonton, Alberta, T6G 2E1, Canada.

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Haorong Lu

ABSTRACT

The 1000 Plants (1KP) initiative explored the genetic diversity of green plants (Viridiplantae) by sequencing RNA from 1,342 samples representing 1,173 species. All of the analyses done for the 1KP capstone, and previous studies on subsets of these data, are based on a series of de novo transcriptome assemblies and related outputs that will be described in this publication. We expect that these data will also be useful to other researchers with interests in specific gene families, either across the green plant tree of life or in more focused lineages. These protocols provide additional details on the sample and sequence processing, hopefully providing insight for reproducibility and tools for other researchers working on plant transcriptomics and evolution.

FILES

Protocol

NAME

SOAP-denovo-trans assembly

VERSION 1

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Protocol

NAME

Hiseq 2000 Library Construction and Sequencing for RNA Seq

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Illumina GAII Library Construction and Sequencing for RNA Seq

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