

Resource Summary Report

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[High molecular weight gDNA extraction after Mayjonade et al. optimised for eucalyptus for nanopore sequencing](#)

DOI:10.17504/protocols.io.khkct4w

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Proper Citation

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.khkct4w>

Authors: Miriam Schalamun, Benjamin Schwessinger

Group: High molecular weight DNA extraction from all kingdoms, Plantae

Summary: Extraction of high quality DNA for long read sequencing e.g. the Oxford Nanopore Optimized for DNA extraction from eucalyptus grandis and eucalyptus pauciflora. This protocol contains an optional Chloroform clean up step which is necessary for eucalyptus but might not be for other tissue. For long DNA fragments don't vortex the DNA sample.

Associated Publications: Schalamun M, Nagar R, Kainer D, Beavan E, Eccles D, Rathjen JP, Lanfear R, Schwessinger B, Harnessing the MinION: An example of how to establish long-read sequencing in a laboratory using challenging plant tissue from . Molecular Ecology Resources 19(1). doi: [10.1111/1755-0998.12938](https://doi.org/10.1111/1755-0998.12938)

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