

# Protocols

## Useful protocols

### General molecular methods

- [CTAB DNA Isolation protocol for \*Daphnia\*](#)
  - [Tissue Collection protocol for \*Daphnia\*](#)
  - [MicrosatDesign program for designing microsatellite markers from sequence trace files](#)
  - [Multiplexing PCR using \*Daphnia\* microsatellite markers](#)
  - [Long PCR Method for amplifying and sequencing full mitochondrial DNA from \*Daphnia pulex\*](#)
  - [Plasmid Isolation and Purification protocol for in-house high-throughput sequencing of \*Daphnia\* cDNA libraries](#)
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### *Daphnia* Embryonic Primary Cell Culture

- [Daphnia Embryonic Primary Cell Culture Protocol](#)
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### Genomic Resources

- [Construction of Cloned Normalized cDNA Libraries](#)
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### Microarray experiments (2010)

- [Dual-Labeled Expression Microarray Protocol for High-Throughput Genomic Investigations](#)
  - [Dual-Labeled Expression-Tiling Microarray Protocol for Empirical Annotation of Genome Sequences](#)
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### Fabrication of *Daphnia* oligonucleotide microarrays Generation III (2007)

- [Omnigrid 300 Microarray Printing](#)
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### Microarray experiments (2007)

- [RNA Extraction and Purification](#)
  - [RNA Amplification Protocol](#)
  - [ULS Labeling of aRNA and Hybridization](#)
  - [Protocol for Scanning, Aligning and Extracting Data using GenPix](#)
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### Fabricating *Daphnia* cDNA microarrays Generation II (2006)

- [Omnigrid 300 Microarray Printing protocol for printing Generation II \*Daphnia\* cDNA microarrays](#)
  - [Post-Processing protocol for removing unbound DNA immediately after microarray printing](#)
  - [Nonamer Hybridization protocol for quantification of DNA concentration of DNA microarray spots](#)
  - [Sybr-Green Stain protocol for staining of DNA on \*Daphnia\* microarrays](#)
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### Microarray experiments (2006)

- [RNA Extraction and Purification protocol for microarray hybridizations using \*Daphnia\*](#)
  - [Amino Allyl Labeling and Hybridization protocol for microarray studies using \*Daphnia\*](#)
  - [RNA Amplification Protocol for producing labeled cDNA when sample is scarce.](#)
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