

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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