



Version 2

May 18, 2020

Sampling strategies and sample preservation Acropora V.2

Iliana Baums¹¹Pennsylvania State University

1

Works for me

dx.doi.org/10.17504/protocols.io.bec8jazw

Astrangia

Coral Genotyping Protocols

Iliana Baums

ABSTRACT

Protocol describes sampling strategies, perservation and shipping of Acropora samples for Applied Biosystems™ Axiom™ Coral Genotyping Array – 550961 (384f)
Applied Biosystems™ Axiom™ Coral Genotyping Array – 550962 (Mini 96)

THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

Kitchen SA, Von Kuster G, Vasquez Kuntz KL, Reich HG, Miller W, Griffin S, Fogarty ND, Baums IB (2020) STAGdb: a 30K SNP genotyping array and Science Gateway for Acropora corals and their dinoflagellate symbionts. bioRxiv 10.1101/2020.01.21.914424:2020.2001.2021.914424.
doi:10.1101/2020.01.21.914424.

ATTACHMENTS

Genetic sampling of
Acropora
SNPchip_18May20.doc

DOI

dx.doi.org/10.17504/protocols.io.bec8jazw

PROTOCOL CITATION

Iliana Baums 2020. Sampling strategies and sample preservation Acropora. **protocols.io**
dx.doi.org/10.17504/protocols.io.bec8jazw

MANUSCRIPT CITATION please remember to cite the following publication along with this protocol

Kitchen SA, Von Kuster G, Vasquez Kuntz KL, Reich HG, Miller W, Griffin S, Fogarty ND, Baums IB (2020) STAGdb: a 30K SNP genotyping array and Science Gateway for Acropora corals and their dinoflagellate symbionts. bioRxiv 10.1101/2020.01.21.914424:2020.2001.2021.914424.
doi:10.1101/2020.01.21.914424.

KEYWORDS

genetic sampling, coral, genotyping, preservation, coral SNPchip, coral genotyping array

LICENSE

This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

CREATED

Mar 30, 2020

LAST MODIFIED

May 18, 2020

PROTOCOL INTEGER ID

34944

GUIDELINES

Please consult the word document for details on how to sample coral tissue for use of
Applied Biosystems™ Axiom™ Coral Genotyping Array – 550961 (384f)
Applied Biosystems™ Axiom™ Coral Genotyping Array – 550962 (Mini 96)

BEFORE START

Please contact these providers to process your samples using the Axiom array:

Dawn Waltman
Genotyping Technical Sales Specialist
Microarray, Open Array and Agriseq
ThermoFisher Scientific
3450 Central Expressway/Santa Clara, CA 95051
(Cell) 410-688-0723
dawn.waltman@thermofisher.com

or

Farhad Ghavami, Ph.D.
Chief Scientific Officer (CSO)
Agrigenomics
Eurofins BioDiagnostics Inc.
507 Highland Dr.
River Falls, WI 54022
Tel: (715) 629-1938
Fax: (715) 426-0251
E-mail: farhadghavami@eurofinsus.com

MATERIALS TEXT

Please contact these providers to process your samples using the Axiom array:

Dawn Waltman
Genotyping Technical Sales Specialist
Microarray, Open Array and Agriseq
ThermoFisher Scientific
3450 Central Expressway/Santa Clara, CA 95051
(Cell) 410-688-0723
dawn.waltman@thermofisher.com

or

Farhad Ghavami, Ph.D.
Chief Scientific Officer (CSO)
Agrigenomics
Eurofins BioDiagnostics Inc.
507 Highland Dr.
River Falls, WI 54022
Tel: (715) 629-1938
Fax: (715) 426-0251
E-mail: farhadghavami@eurofinsus.com

SAFETY WARNINGS

Do not attempt to ship samples preserved in ethanol without proper training

Ethanol is flammable

Corals are listed under CITES and require permits for sampling and exporting

The Pennsylvania State University does not receive royalties or any other form of payment from Applied Biosystems for commercializing the genotyping array.