

July 24, 2017

Adapting *Acropora cervicornis* to laboratory conditions

- Corals were obtained from MOTE laboratory from various locations in the Florida Keys
 - MOTE provided 6 tagged genotype
 - Yellow (30)
 - Orange (31)
 - Green and Orange (31)
 - Red and Yellow (31)
 - Green (30)
 - Red and Orange (30)
 - corals were added to a tank with other *A. cervicornis* kept at 26-27°C with two pumps and build my LED light at 100% intensity
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July 25, 2017

Epoxy

- Genotypes were epoxied together on clipboards and labelled to prevent the pumps from blowing the fragments into no man's land
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July 26, 2017

Tagging fragments

- Plastic numbered tags + glue + previous epoxy

IPAM Time 0

- First IPAM data taken by CD and AP
 - The fu*(&^% IPAM is not working in 1/4 of the field
 - Average YII values ~ 0.6, one genotype is slightly lower than 0.6
 - No pics taken
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July 31, 2017

Dead

- Corals 185, 200, 275, 279
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August 1, 2017

New lights

- All the *A.cer*, including the old fragments were fed moved to tank 1A with the new lights.
- Same HOBO to follow temps

August 11 and 12, 2017

Dead!

- Rapid tissue necrosis in many fragments

Genotype	Control	N	NP	Dead
Green	10	9	9	2
Green and Orange	10	10	9	2
Orange	6	6	6	13
Red and Orange	9	9	9	3
Red and Yellow	4	4	5	18
Yellow	3	3	3	21
Total	42	41	41	59

SAMPLING POINT TIME 1 (BASE LINE BEFORE EXPERIMENT STARTS)

August 30, 2017

IPAM Time 1

- Data IPAM taken by CD, AP and Becca using the lab (fixed) machine
- Pictures with color and size scale

Tissue samples Time 1

- Razor balde samples by PR

Buoyant Weight Time 1

- Data taken by CD and AP with CL scale
- YSI data taken every 10 fragments

August 31, 2017

Prok incubation of all samples T=1

- 100uL aliquotes + 6uL of prok / 3 hours

IPAM Time 1

- CD and AP

September 2-12, 2017

IRMA!!

- The corals were not cleaned or fed until 12th when Phil could get into RSMAS

September 18, 2017

- Cleaned and fed all the Acer, they look ok in general

September 19, 2017

- Samples 136 and 145 had mortality on the base, they were cut and re-glued
- Sample 192 fall and were re-glued

Things to do:

- Organic Extraction
- Ask Stephany is there is more Yellow and Red-and-Yellow corals
- Take tissue samples:
 - New sampling method?
- Keep an eye on pilot Acer inside aquarium
- Send report to Stephany
- Correct Ana's typos and weird English