

Name: Krithika, Christina

Date: 9/25/19

Goal:

1. Transform Dino RFP & GFP into *S. microadriaticum*

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Transform Dino RFP & GFP into *S. microadriaticum* using yeast protocol

Protocol:

1. 80 μ L of symbiodinium at an OD of 0.491 was added to an ice cold electroporation cuvette along with 7 μ L of DNA
 - a. Dino III RFP or Dino III GFP
2. The cells and DNA were incubated on ice for 5 minutes
3. The cells were pulsed at 1.5V and given 1mL 10% glycerol recovery
4. The cells were transferred to a 15 mL tube and placed in a non-shaking water bath at 30 °C for 1 hour
5. The cells were then put in 2 mL of ASP8A media and placed in artificial light for rapid growth