

# Small-scale silencing experiment in vegetative *Euplotes crassus* (provisional) Version 2

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## Abstract

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## Protocol

### Step 1.

Grow RNase III deficient *E. coli* strain HT115 in LB with antibiotic selection o/n at 37°C.

### Step 2.

Prepare a 1:100 dilution of the o/n bacterial culture.

### Step 3.

Grow it at 37°C until it reaches an OD<sub>600</sub> of 0.4.

### Step 4.

Add 0.4 mM IPTG and induce the bacteria o/n.

### Step 5.

Collect the bacteria by centrifugation at max speed for 10 minutes and wash them twice with ddH<sub>2</sub>O.

## NOTES

**Rachele Cesaroni** 31 Mar 2017

Recipe for complete sea water (1 L):

36 g Reef Crystals

1 ml Walne's solution

1 ml of 10 µg/ml FeSO<sub>4</sub>

0.2 ml of 2 mg/ml thiamine (light sensitive; store at 4 °C)

Add distilled water up to 1 L

**Step 6.**

Isolate at least 30 well-starved *Euplotes crassus* cells and feed them twice a day with feeding bacteria.

**Step 7.**

Leave the *Euplotes crassus* cells at 24°C and monitor daily the change in phenotype.