Small-scale silencing experiment in vegetative Euplotes crassus (provisional) Version 4

Rachele Cesaroni

Abstract

Citation: Rachele Cesaroni Small-scale silencing experiment in vegetative Euplotes crassus (provisional). **protocols.io** dx.doi.org/10.17504/protocols.io.hi5b4g6
Published: 01 Apr 2017

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 bacterial culture, and grow it at 37°C until it reaches an OD_{600} of 0.4.

Step 3.

Add 0.4 mM IPTG, and induce RNA transcription from the L4440 plasmid in the bacteria o/n at 37°C.

Step 4.

Collect the bacteria by centrifugation at max speed for 10 minutes, and wash them once with ddH_2O.

Step 5.

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

Step 6.

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