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

Forked from Small-scale silencing experiment in vegetative Euplotes crassus (provisional)

In 1 collection

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Protocol status: In development
We are still developing and optimizing this protocol

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

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.

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

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

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

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