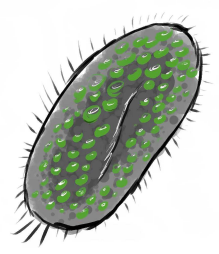


Sep 13, 2024

RNA-interference in *Paramecium bursaria*

DOI

<https://dx.doi.org/10.17504/protocols.io.8epv5jzm4l1b/v1>



Ben Jenkins¹

¹University of Oxford



Ben Jenkins

University of Cambridge, University of Oxford

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.8epv5jzm4l1b/v1>

Collection Citation: Ben Jenkins 2024. RNA-interference in *Paramecium bursaria*. **protocols.io**

<https://dx.doi.org/10.17504/protocols.io.8epv5jzm4l1b/v1>

License: This is an open access collection distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited



Protocol status: Working

We use this collection and it's working

Created: October 11, 2022

Last Modified: September 13, 2024

Collection Integer ID: 71205

Keywords: Paramecium, bursaria, RNAi, gene, knock-down, reverse genetics, ciliate, algae, symbiosis, interference in paramecium bursaria rna, paramecium bursaria rna, paramecium cultures for rna, paramecium culture, paramecium bursaria, down in paramecium bursaria, rna feeding, downstream rna, rna imaging, rna induction, rna, stocks for downstream rna, rna, based gene knock

Abstract

RNA-interference based gene knock-down in *Paramecium bursaria*. This collection contains protocols for:

- 1) Paramecium cultures for RNAi - Filtering and preparing *P. bursaria* cultures for downstream RNAi
- 2) RNAi induction - Back-dilution, induction, and creating frozen *E. coli* feeding stocks for downstream RNAi
- 3) RNAi feeding - Daily resuspension and feeding of *P. bursaria* cultures
- 4) RNAi imaging - Imaging of *P. bursaria* cultures

Image Attribution

Ben Jenkins

Files

 SEARCH

Protocol

NAME

Paramecium cultures for RNAi

VERSION 1

CREATED BY



Ben Jenkins
University of Cambridge

OPEN →

Protocol

NAME

RNAi induction

VERSION 1

CREATED BY



Ben Jenkins
University of Cambridge

OPEN →

Protocol

NAME

RNAi feeding

VERSION 1

CREATED BY



Ben Jenkins
University of Cambridge

OPEN →

Protocol

NAME

RNAi imaging

VERSION 1



CREATED BY



Ben Jenkins
University of Cambridge

OPEN →