



Jul 29, 2019

Version 2

Bayesian detection of piecewise linear trends in replicated time-series with application to growth data modelling V.2

DOI

<https://dx.doi.org/10.17504/protocols.io.5x8g7rw>

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DOI: <https://dx.doi.org/10.17504/protocols.io.5x8g7rw>

External link: <https://arxiv.org/pdf/1709.06111.pdf>

Collection Citation: Norman van Rhijn, Panagiotis Papastamoulis, Takanori Furukawa, Magnus Rattray, Mike Bromley, Elaine Bignell 2019. Bayesian detection of piecewise linear trends in replicated time-series with application to growth data modelling. protocols.io <https://dx.doi.org/10.17504/protocols.io.5x8g7rw>

**Manuscript citation:**

Papastamoulis P, Furukawa T, van Rhijn N, Bromley M, Bignell E, Rattray M (2019). Bayesian detection of piecewise linear trends in replicated time-series with application to growth data modelling. The International Journal Of Biostatistics. DOI: 10.1515/ijb-2018-0052.

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Protocol status: Working

We use this protocol and it's working

Created: July 29, 2019

Last Modified: July 29, 2019

Collection Integer ID: 26336

Keywords: Growth curve, fungi, filamentous fungi, growth assay, phenotyping, aspergillus, growth curves in liquid media, liquid growth, growth curve, growth curves per run, growth data, other filamentous fungi, aspergillus species, liquid media, bayesian detection of piecewise, growth, mathematical modelling, analysis via mathematical modelling

Abstract

Generally, growth assays for filamentous fungi have been performed on solid media, either as dilution series or spot tests. However, the solid media environment does not accurately mimic the environment encountered during infection (ie the mammalian lung). Previously, we have developed a methodology to perform liquid growth assays in time for *A. fumigatus* and other filamentous fungi including analysis via mathematical modelling.

This protocol is designed for *Aspergillus* species (and other filamentous fungi) to generate growth curves in liquid media in a 96-well plate. This can be done in high-throughput to generate 96 growth curves per run.

Files

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Protocol

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96-well Plate Growth Curve Setup

VERSION 1

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96-well Growth Curve Analysis

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