

Introduction to “universalmotif”

Benjamin Jean-Marie Tremblay^{*1}

¹University of Waterloo, Waterloo, Canada

*b2tremblay@uwaterloo.ca

12 February 2019

Installation

```
if (!requireNamespace("BiocManager", quietly = TRUE))  
  install.packages("BiocManager")  
BiocManager::install("universalmotif")
```

Overview

For a brief explanation of sequence motifs, see the [Introduction to sequence motifs](#) vignette. This broadly covers the different ‘types’ of motif representation, as well as establishes the nomenclature used by the *universalmotif* package.

Broadly speaking, the capabilities of the *universalmotif* package can be divided into three categories. These are briefly demonstrated in the following vignettes:

- [Motif import, export, and manipulation](#)
- [Sequence scanning and manipulation](#)
- [Motif analysis and advanced usage](#)