

Introduction to “universalmotif”

Benjamin Jean-Marie Tremblay*

25 May 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 several categories. These are briefly demonstrated in the following vignettes:

- Motif import, export, and manipulation
- Sequence scanning and manipulation
- Motif comparisons and P-values

*b2tremblay@uwaterloo.ca