Tutorial Bioinformatica

Marcel Ferreira

2023-11-13

Table of contents

Preface		3
1	Introduction	4
2	Dia 1 - Sequenciamento de DNA 2.1 Arquivos	
3	Dia 2 - Alinhamento de sequências de DNA 3.1 Arquivos	6
Re	eferences	8

Preface

This is a Quarto book.

To learn more about Quarto books visit https://quarto.org/docs/books.

1 + 1

[1] 2

1 Introduction

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.

1 + 1

[1] 2

2 Dia 1 - Sequenciamento de DNA

2.1 Arquivos

2.2 Métricas

$$Read\ Accuracy = \frac{N_{match}}{N_{match} + N_{mis} + N_{del} + N_{ins}} \tag{2.1} \label{eq:2.1}$$

$$Mis/Ins/Del = \frac{N_{mis/ins/del}}{N_{match} + N_{mis} + N_{del} + N_{ins}} \tag{2.2} \label{eq:2.2}$$

$$P = 10^{\frac{-Q_{score}}{10}} \tag{2.3}$$

$$Read\ Qscore = -10\log_{10}\left[\frac{1}{N}\sum 10^{\frac{-q_1}{10}}\right] \tag{2.4}$$

3 Dia 2 - Alinhamento de sequências de DNA

3.1 Arquivos

References

Knuth, Donald E. 1984. "Literate Programming." Comput.~J.~27~(2):~97-111.~https://doi.org/10.1093/comjnl/27.2.97.