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Medical Bioinformatics course at Freie Universität Berlin

Report for the Medical Bioinformatics Project

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Abstract

Motivation: As the amount of biological data has recently increased due to new and enhanced techniques like next-generation sequencing, the analysis of this data also needs to improve and especially speed up. As a result, new frameworks and platforms for distributed stream and batch data processing are evolving. In a university project, we developed a pipeline for the analysis of biological data from *The Cancer Genome Atlas (TCGA)* data portal, which provides - among others - the access to data from high level sequence analysis of tumor genomes. In this report we present the used methods and discuss their results.
Results: Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text
Availability: Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text
Contact: name@bio.com
Supplementary information: Supplementary data are available at *Bioinformatics* online.

1 Introduction

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text. Figure 1 shows that the above method Text Text Text Text Text Text Text Text Text Text Text. (Bag *et al*., 2001) wants to know about …… text follows.

$$\sum x + y = Z \qquad (1)$$

2 Approach

Equation (1) Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text. Figure 2 shows that the above method Text Text Text Text Text Text Text Text Text Text Text. Bofelli *et al*., 2000 might want to know about text text text text .....

3 Methods

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- for bulleted list, use itemize

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3.1 This is subheading

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Table 1. This is table caption

head1	head2	head3	head4
row1	row1	row1	row1
row2	row2	row2	row2
row3	row3	row3	row3
row4	row4	row4	row4

This is a footnote

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Fig. 1. Caption, caption.

above method Text Text Text Text Text Text Text Text Text Text Text. Bofelli *et al*., 2000 might want to know about text text text text

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4 Discussion

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5 Conclusion

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1. this is item, use enumerate
2. this is item, use enumerate
3. this is item, use enumerate

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