Some of the responses were provided as instructions (and not in past tense), thus at first read of the rejoinder, I was not sure about if the raised points were addressed. However, upon going through the thesis, I am convinced that all of the comments raised by both examiners have been addressed satisfactorily.

A comment I feel could have been addressed better:  
  
1. Examiner A raised the concern in Section 4.3 about the handling of tandem repeats by the Djikstra's shortest path algorithm, and suggested an explicit clarification of whether these repeats were handled. The provided response, although reasonable, does not indicate whether or not this explanation has been incorporated into the thesis text. If yes, where?   
  
Other minor comments/suggestions:  
  
1. Please ensure the citations of bioRxiv preprint articles are consistent. For instance, at the bottom of page 8: "BioRxiv (2018) and metagenomics mock ..." - no details of this preprint are provided, e.g. compared to the cited preprint in page 13, lines 10-11. Also at the bottom line of page 8, "A very first touch on the data ... " is perhaps better phrased as "The first description of the data ... "  
  
2. Examiner B suggested a consistent format for all tables, and I am inclined to agree with the Examiner, because this would enhance the coherence of the overall presentation of the thesis. The tables are still presented in inconsistent formats throughout the thesis. Some examples:  
Table 1.1 - No shades. No left and right borders.  
Table 1.2 - No vertical lines.  
Table 2.1 - Alternate shading of rows, no vertical lines.  
Table 2.2 - No vertical lines.  
Table 3.3 - All borders.   
Table B.1 - No horizontal lines in non-heading rows.  
  
3. page 76, line 5: the parentheses in "(SPAdes)" are not necessary?  
  
4. Some instances of "S. cerevisiae" are misspelled as "S. cerevisae".  
  
6. I recommend the candidate to go through another round of proofreading (e.g. perhaps by a non-expert) to further minimise spelling and grammatical mistakes.