

Homework for June 26, 2014

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Abstract

This is the homework for June 26, 2014. It contains a description of the comparison of different SAM files. It also contains hypotheses for why the given SRA82660 sequences do not map to chromosome 7 (linkage group VII) of the *Neurospora crassa* species.

1 Acknowledgements*

I acknowledge that I have collaborated with my project teammates Diana Medina and Selene Howe to complete this homework. Specifically, we discussed some hypotheses

2 Comparison of different SAM files

3 Hypothesis: SRA82660 sequence is not part of the *Neurospora crassa* genome

A hypothesis is that the SRA82660 sequence is not part of the *Neurospora crassa* genome. That is, it belongs to another species. Proceedure 3

```
TEST IF SRA82660 SEQUENCE IS PART OF THE Neurospora crassa GENOME(Golden/ReferenceModel)
  // Golden/Reference Model
1  if [given SRA82660 subsequence does not map to golden model]
2      Conclusion: The given SRA82660 subsequence is not part of the Neurospora crassa species.
3  elseif [given SRA82660 subsequence maps to golden model]
4      Conclusion #1: The given SRA82660 subsequence is part of the genome.
5  return
```

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