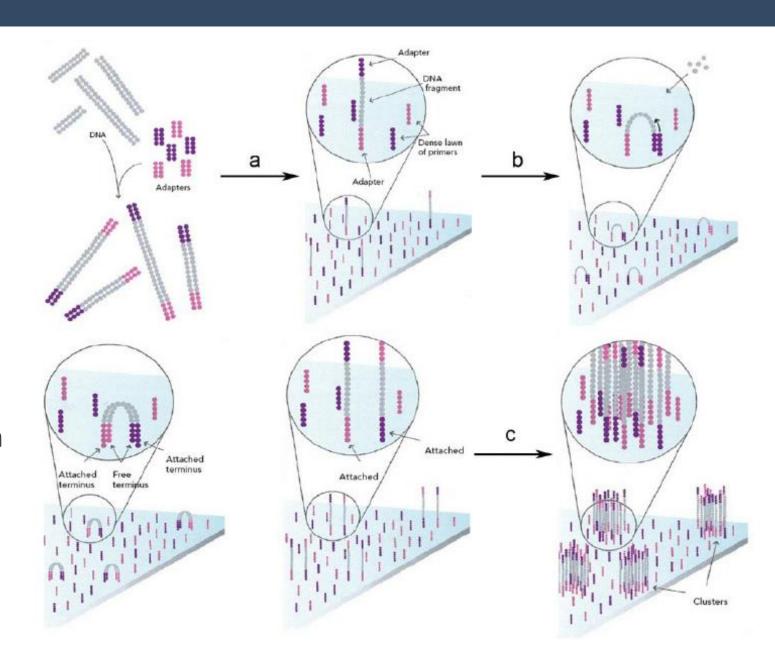
Quiz 3

TRANSCRIPTOMICS

BIGNAUD AMAURY 12/04/2023

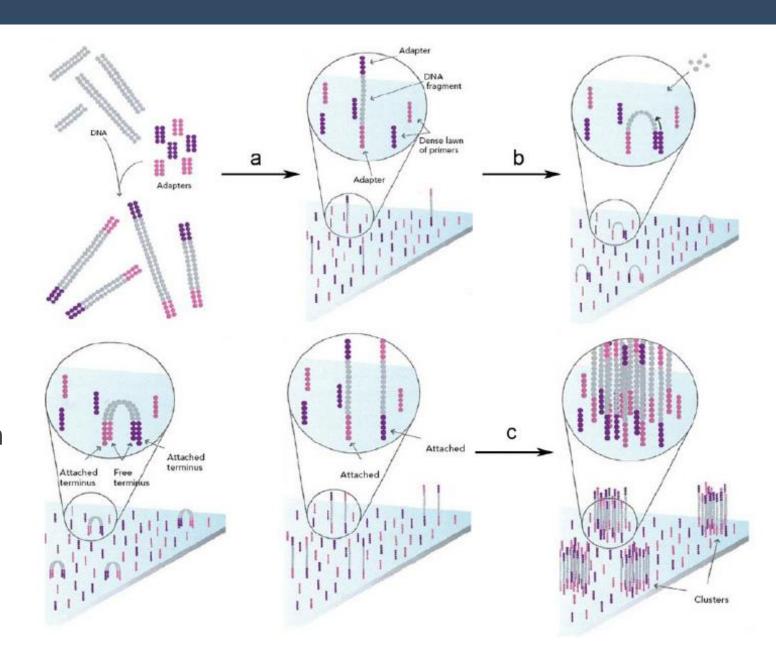
What is paired-end sequencing?

- **A**. A method to sequence two samples at the same time.
- **B**. A method to sequence the read twice to reduce sequencing errors.
- **C**. A method to sequence both ends of a fragment.
- **D**. A method to sequence only double stranded DNA.



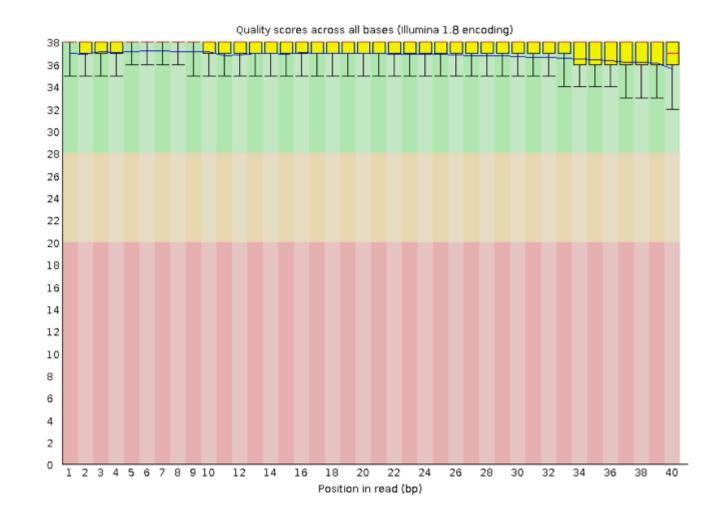
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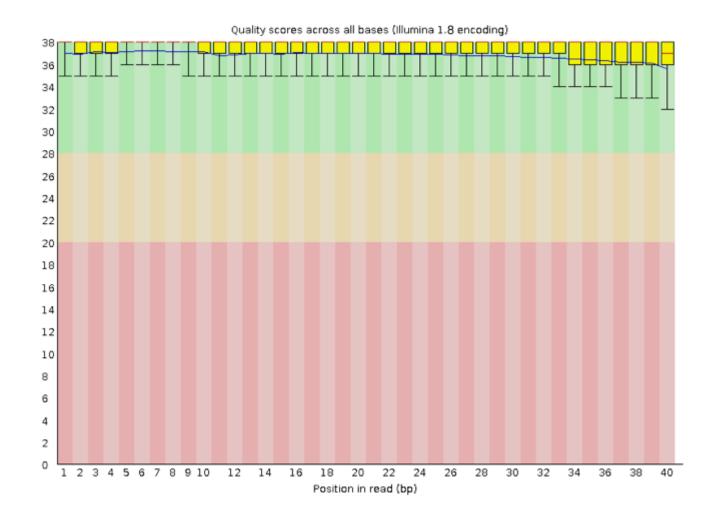
A fail in fastqc can be ignore?

- A. Yes
- **B**. No
- **C**. Could be, it needs to be explored.
- **D**. I shouldn't have done the fastqc.



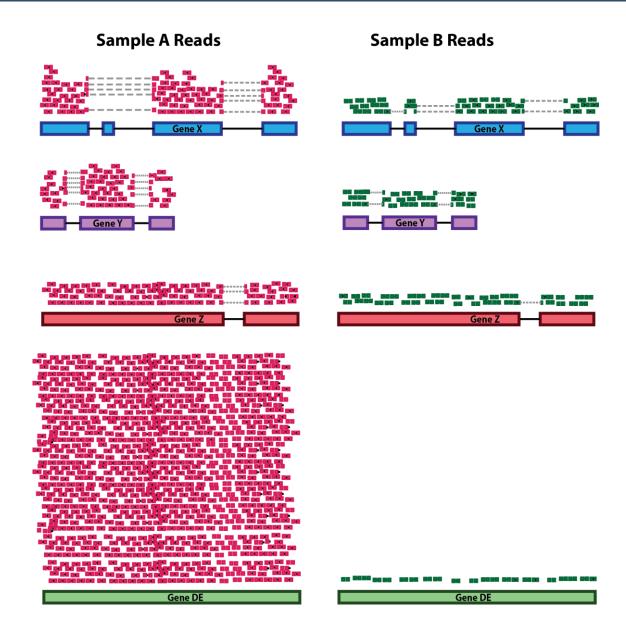
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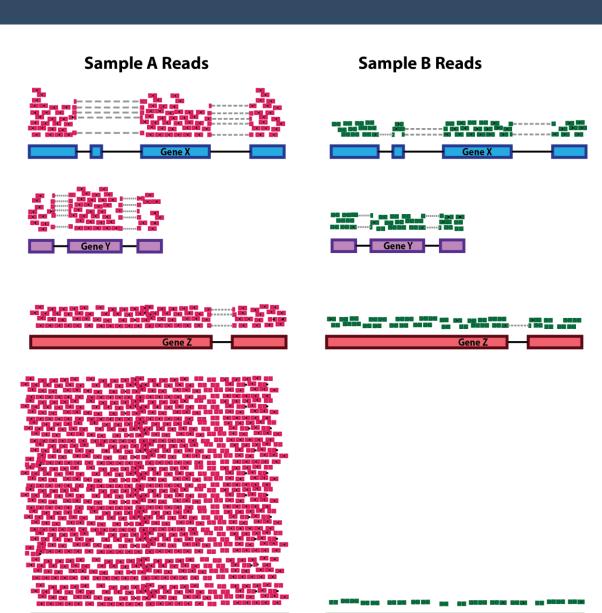
Why the RPKM (Read Per Kilobase per Million) normalization cannot be used between samples?

- **A**. The sum of the RPKM values can be different between two samples.
- **B**. Because it doesn't consider the number of reads in the sample.
- **C**. Because it doesn't consider the number of reads in the sample.
- D. None of the above.



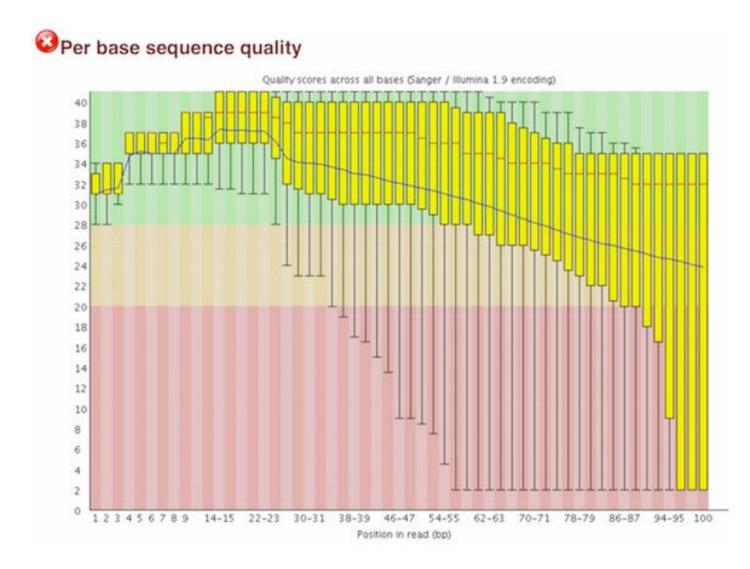
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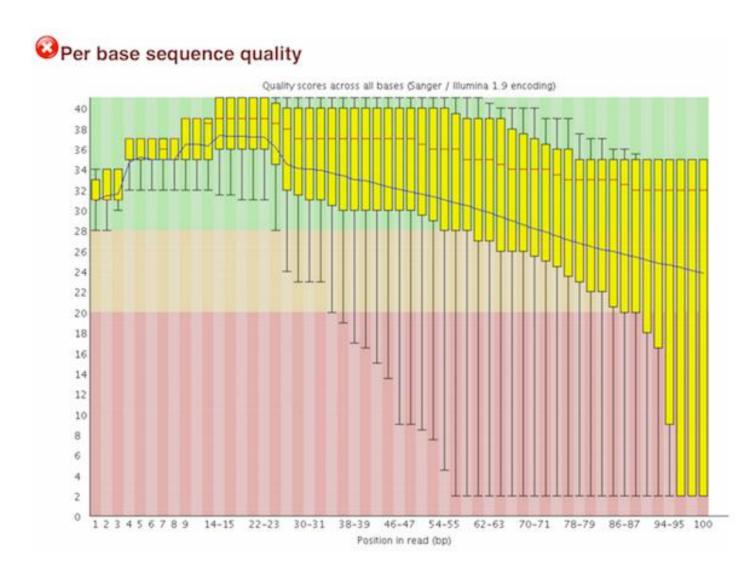
What can be the reason for a loose of signal at the end of the sequencing cycle?

- **A**. Signal decay due to a degradation of the fluorophores.
- **B**. Phasing issues.
- **C**. Signal decay due an issue of elongation of some reads.
- **D**. Some reads are too short and have not been amplified.



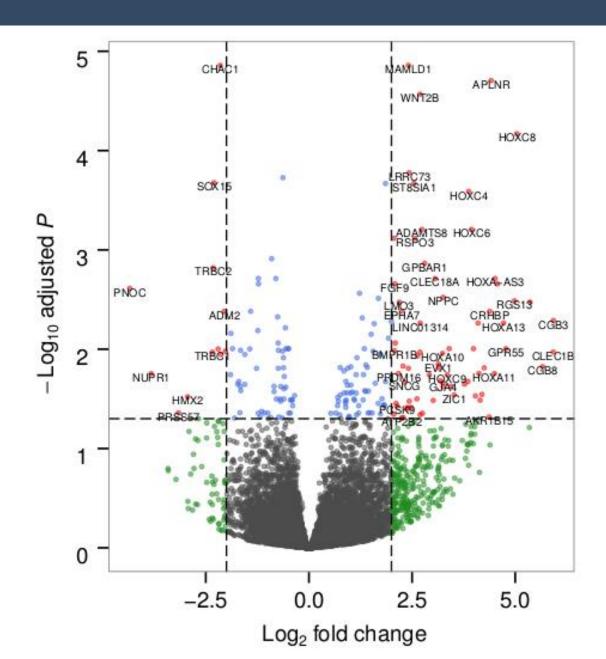
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What is the color of the genes which are **NOT** significantly differentially expressed.

- **A**. blue
- **B**. red
- **C**. grey
- **D**. green



What is the color of the genes which are **NOT** significantly differentially expressed.



B. red

C. grey

🔀 **D**. green

