

Other applications of RNA-seq

A non-comprehensive list...

- Identifying the protein interaction sites on RNA molecules:

HITS-CLIP, PAR-CLIP, iCLIP

- Identifying translation status of genes:

Ribo-seq (Ribosomal Profiling)

- Evaluating/comparing expression of small RNA
- Understanding expression profiles of cells starting with single cells

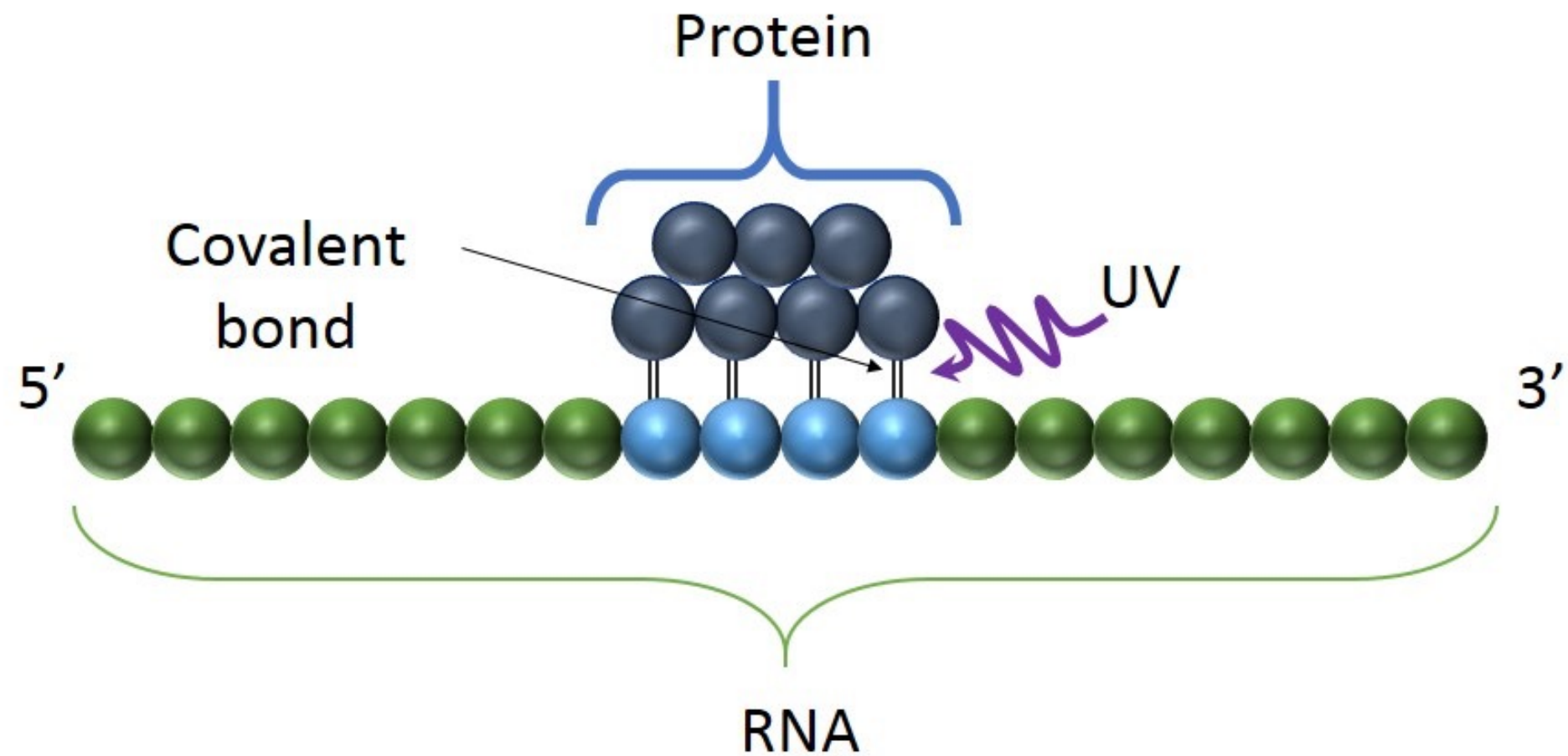
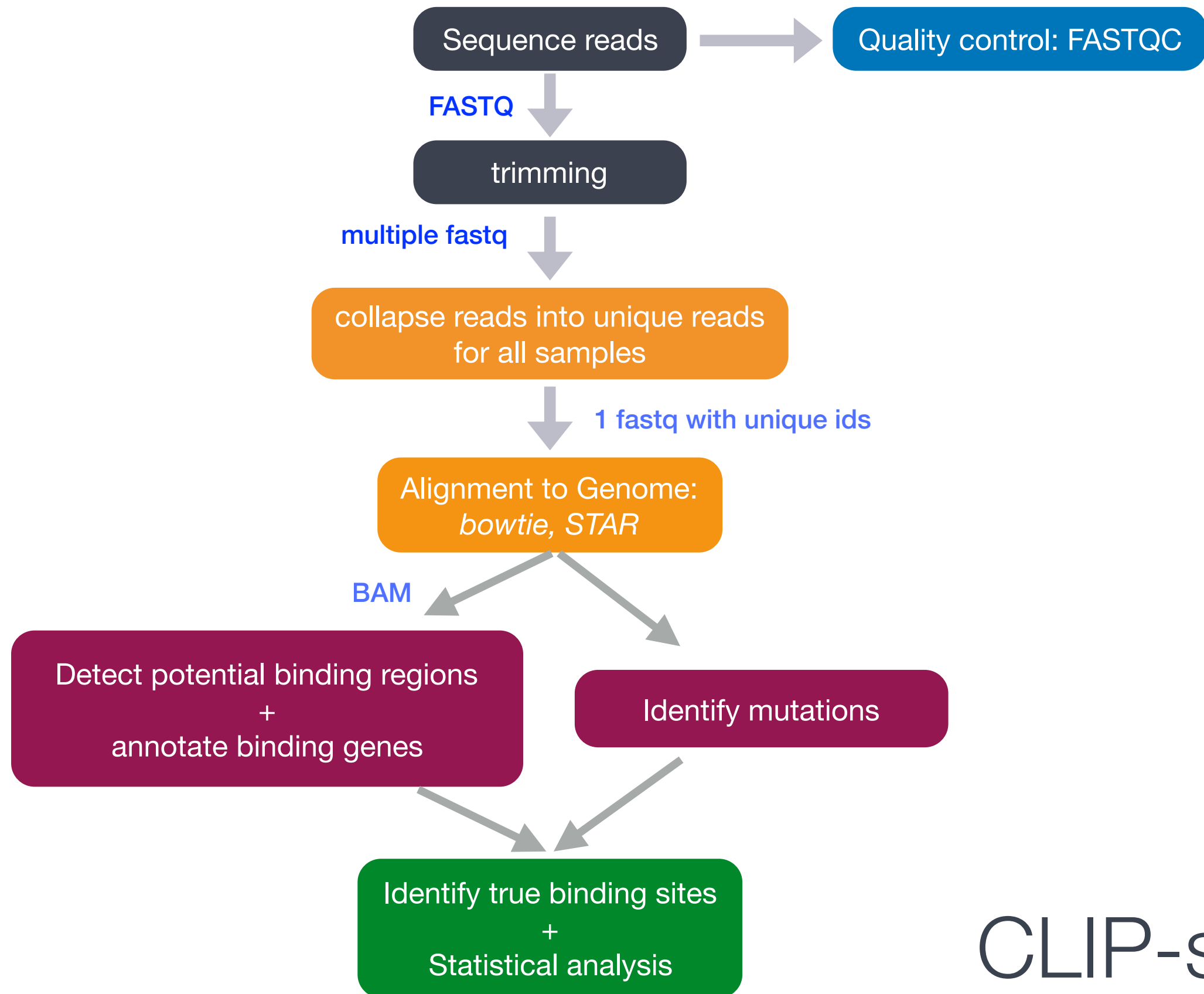


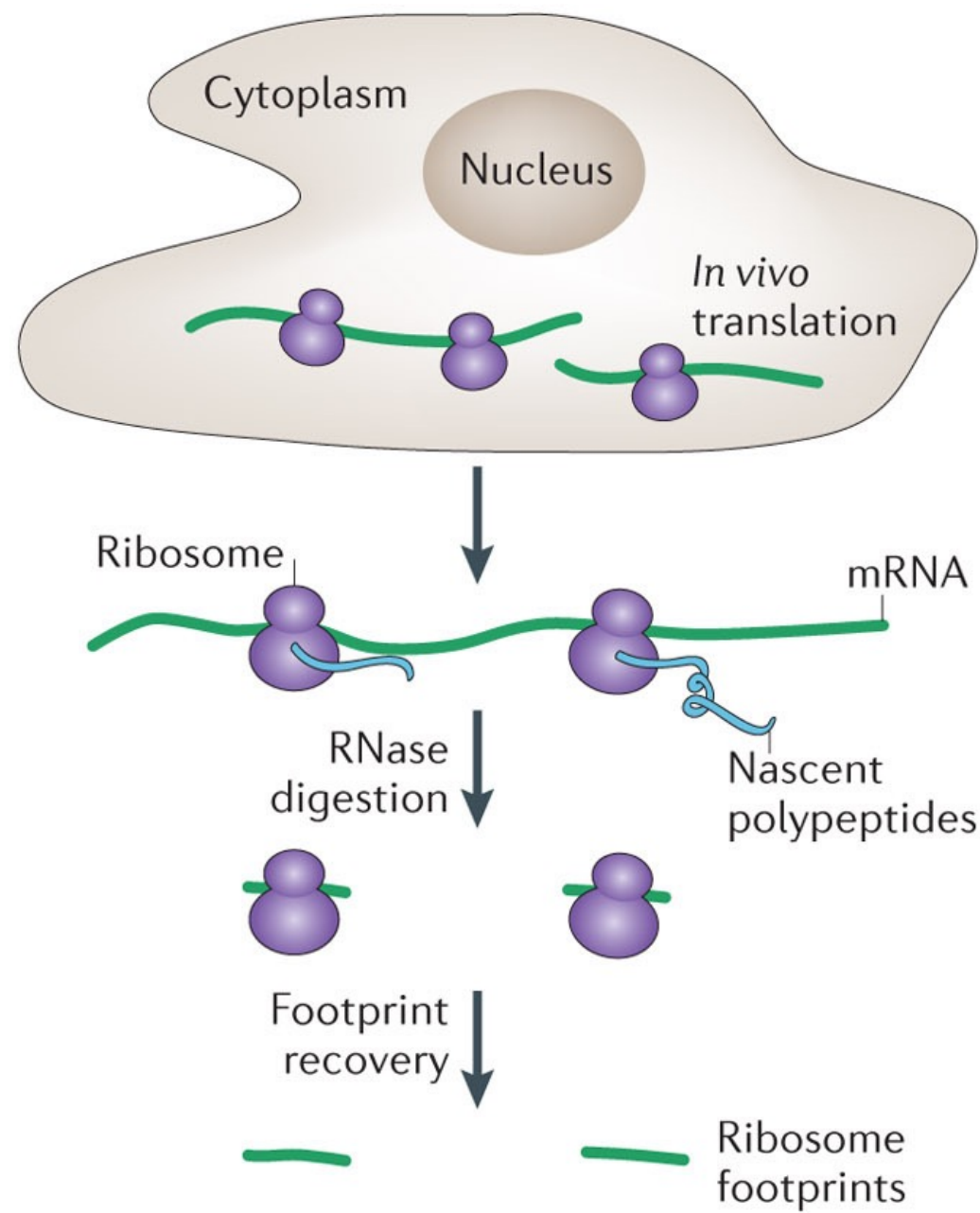
Figure 1: Basic principle of CLIP. Covalent bonds are formed between proximal proteins and RNA upon exposure to ultraviolet light. These bonds only occur at the sites of direct contact and preserve RNA-protein interactions.

https://en.wikipedia.org/wiki/CLIP#/media/File:Basic_Principle_of_CLIP.jpg

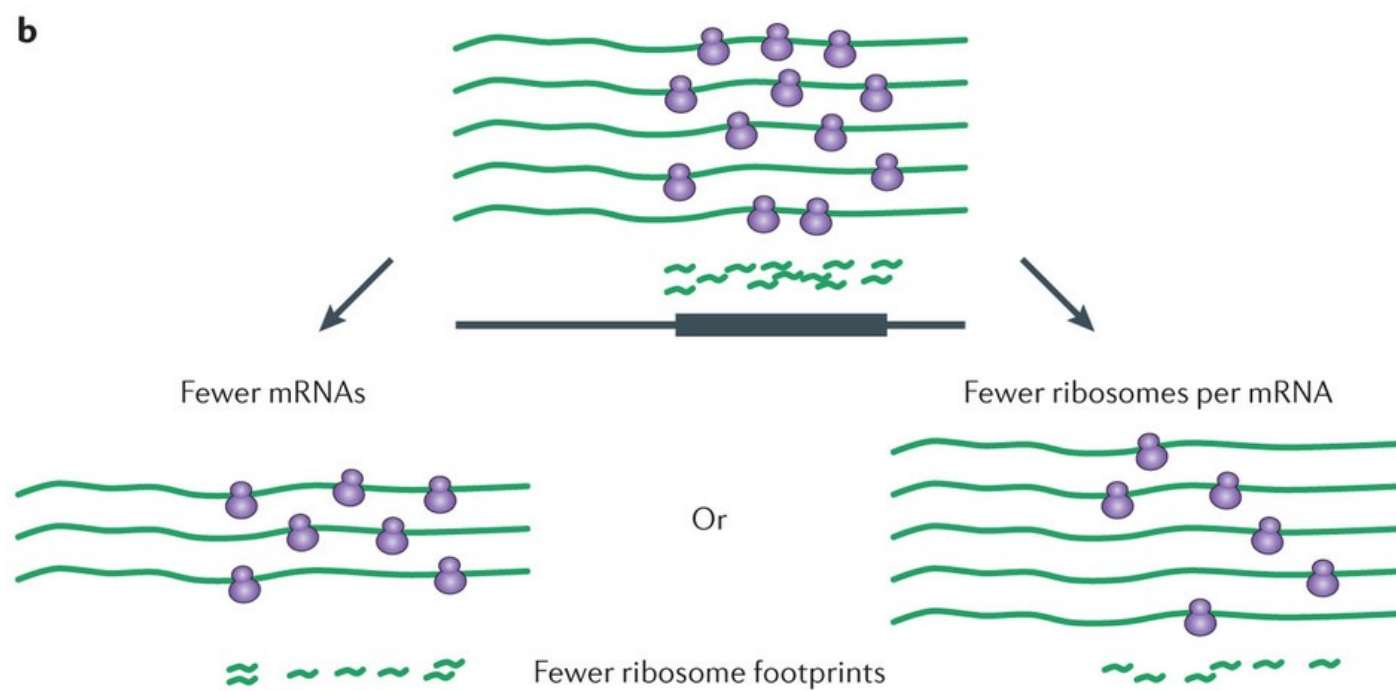
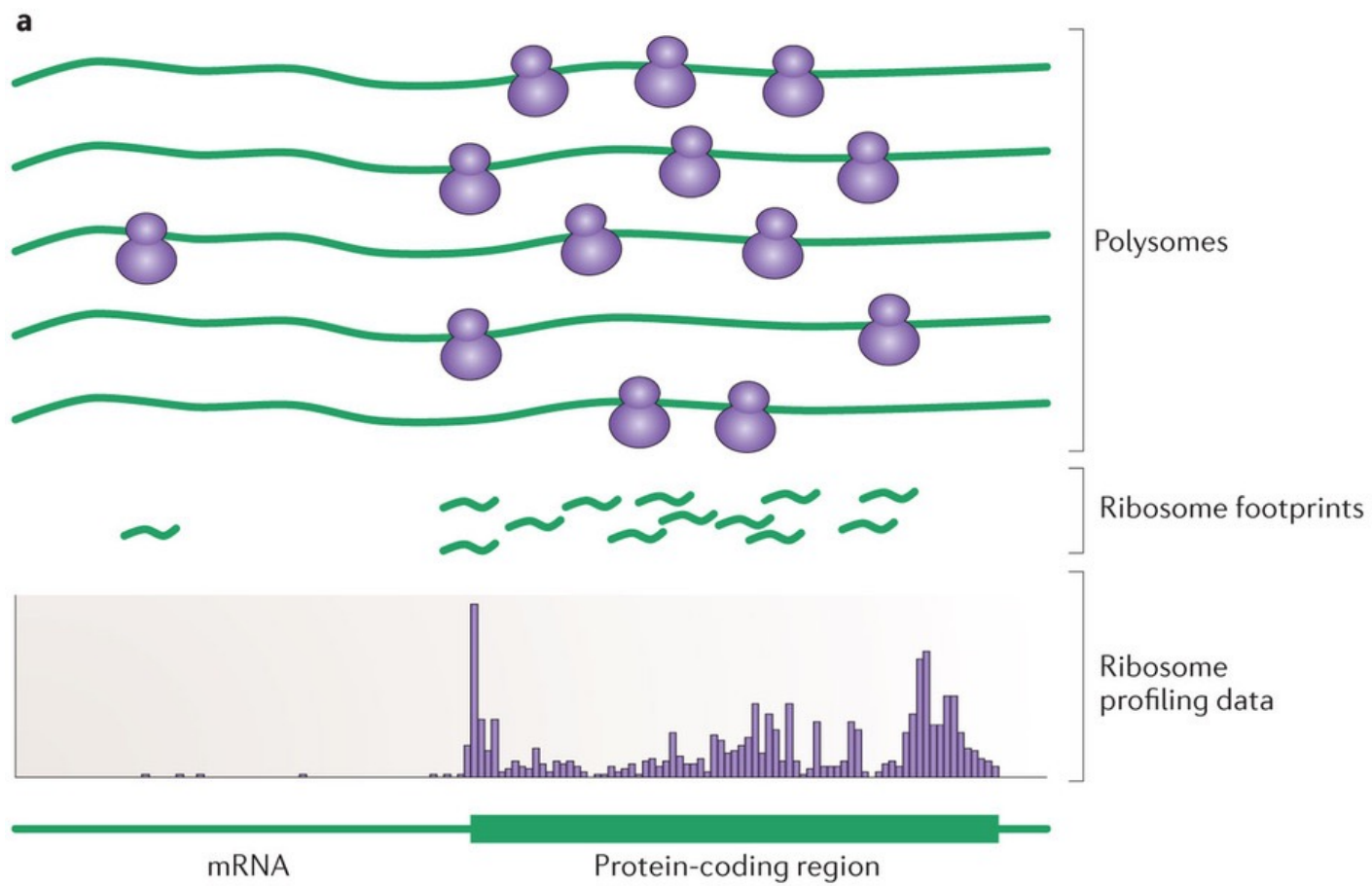
CLIP-seq



CLIP-seq

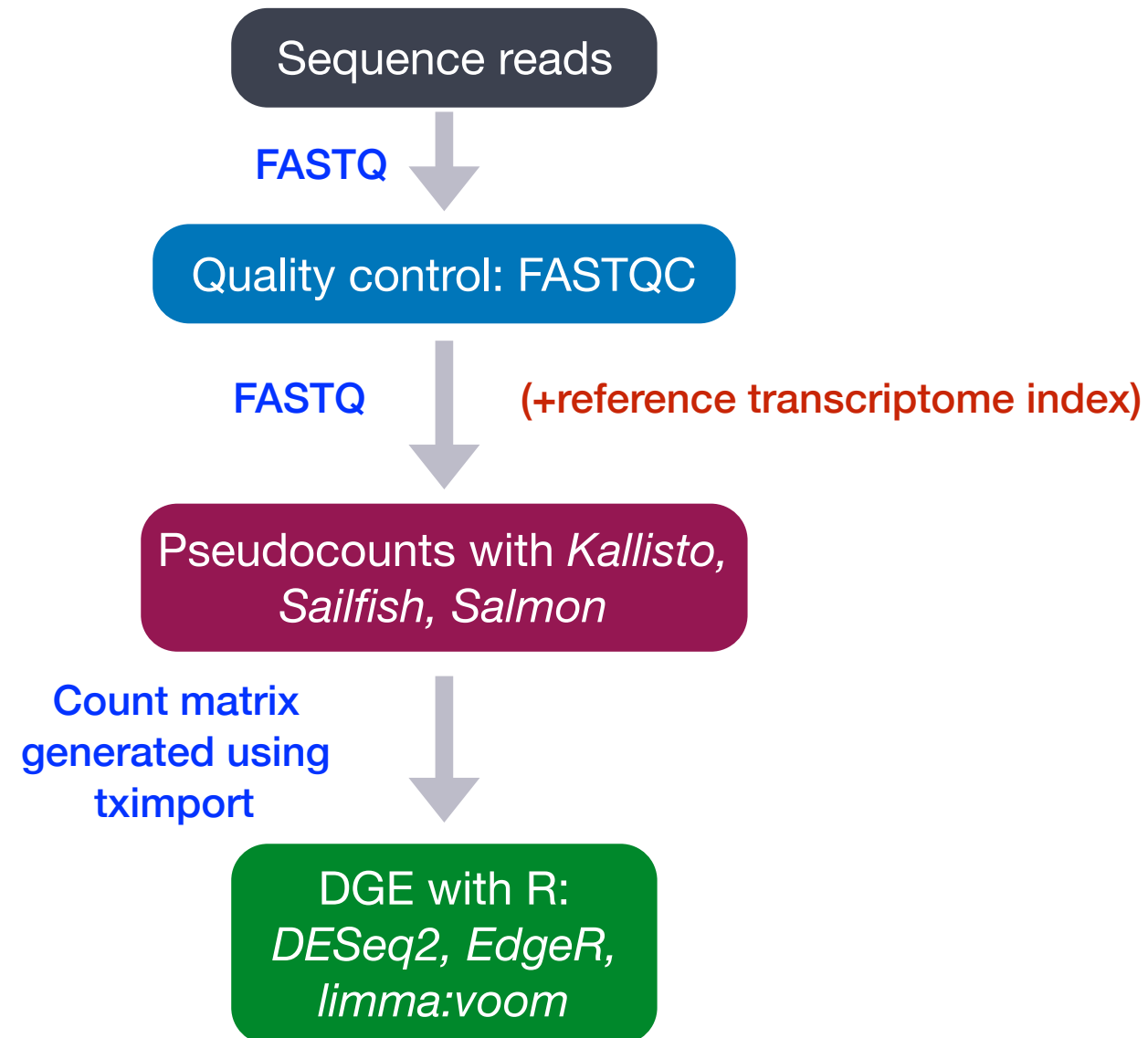


Ribo-seq



Ribo-seq

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Ribo-seq

