

Comparison of total and cytoplasmic RNA expression in three human cell lines

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By comparing the RNA expression in the cytoplasm to the total RNA expression the aim is to try and classify the difference in the expression between the cytoplasm and the nucleus.

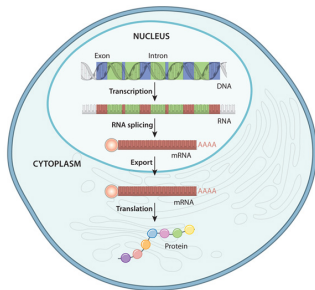
Cell lines

- U2OS
- A431
- U251

4 cytoplasm samples / cell line

4 total samples / cell line

→ 24 samples in total



- ① Quality trimming and sequence quality check
- ② Map trimmed data to reference genome
- ③ Postmap filtering and quality metrics
- ④ Expression quantification
- ⑤ Differential expression analysis
- ⑥ Visualization and interpretation of results