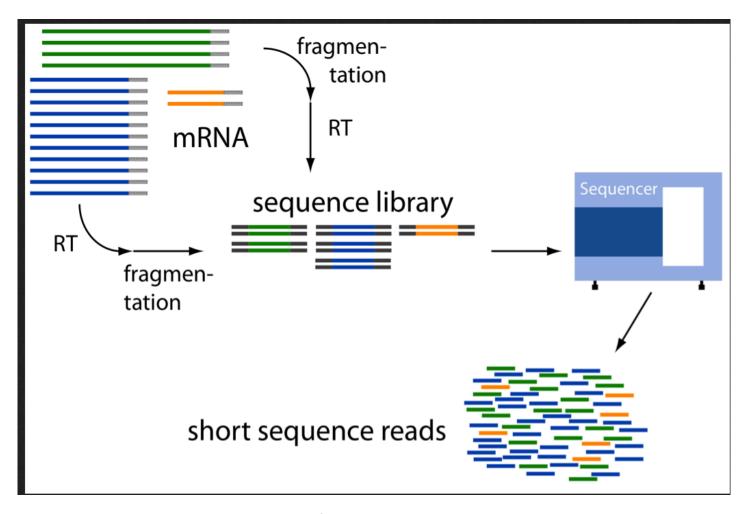
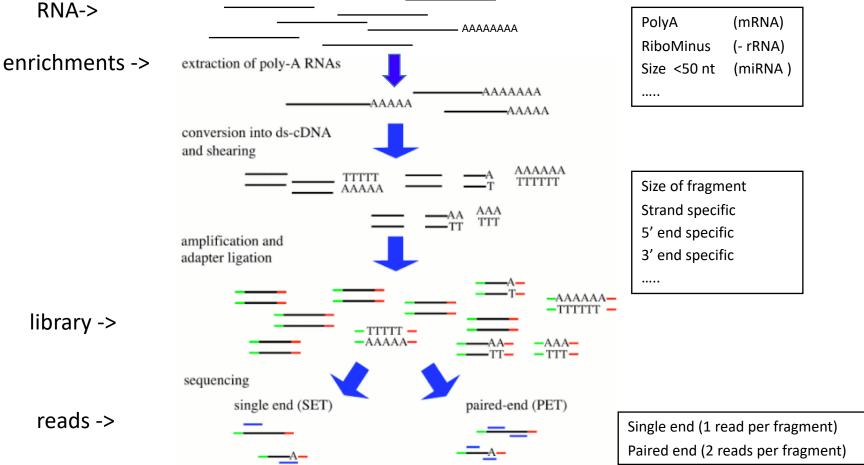


How are RNA-seq data generated?



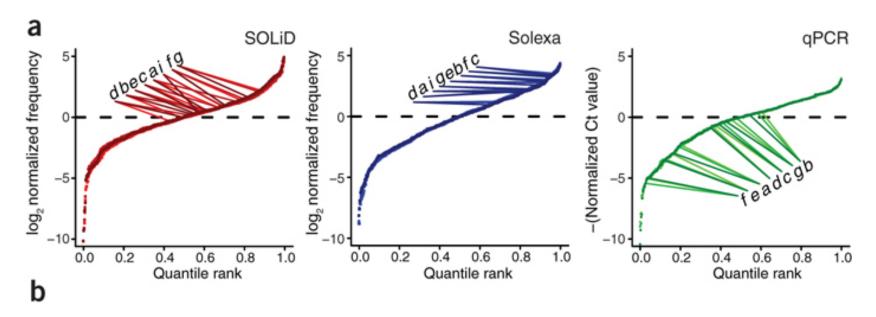
Sampling process

Depending on the different steps you will get different results



Paired end read

Different sequencing teqhniques have different preferences



Sequencing frequency of 472 artificial mircoRNAs in equal abundance

But evens out over longer RNAs

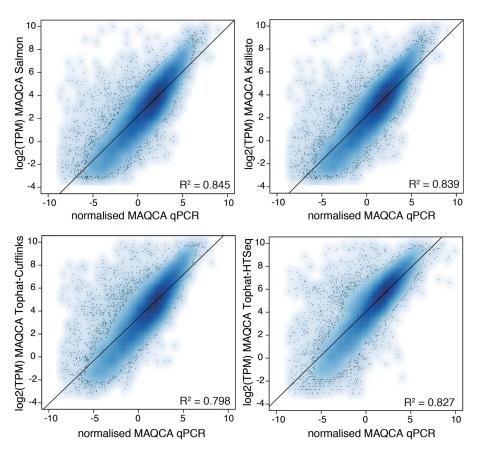


Figure 1. Gene expression correlation between RT-qPCR and RNA-seq data. The Pearson correlation coefficients and linear regression line are indicated. Results are based on RNA-seq data from dataset 1.

Benchmarking of RNA-sequencing analysis workflows using whole transcriptome RT-qPCR expression data

Fastq – read file format

Unique identifier @SEQ_ID GATTTGGGGTTCAAAGCAGTATCGATCAAATAGTAAATCCATTTGTTCAACTCACAGTTT + !''*((((***+))%%%++)(%%%%).1***-+*''))**55CCF>>>>>CCCCCCC65 Sequence quality

Paired end data usually in format sampleX_1.fastq and sampleX_2.fastq with same SEQ_ID for both mate pairs, followed by /1 and /2 (or _f and _r)

Phret-score

