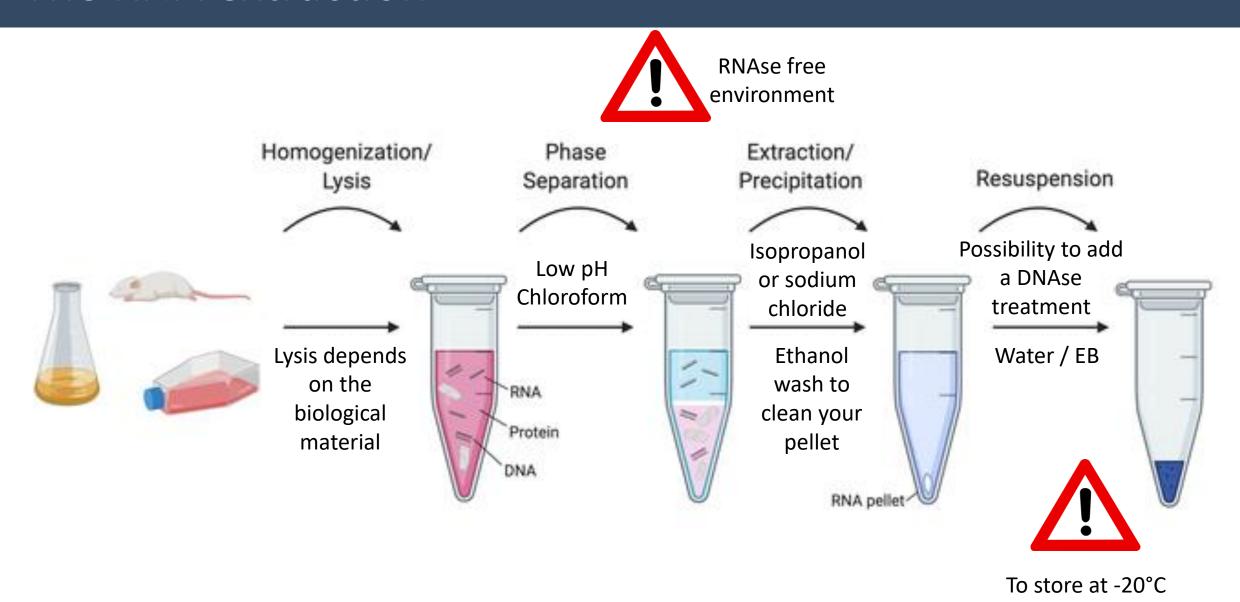
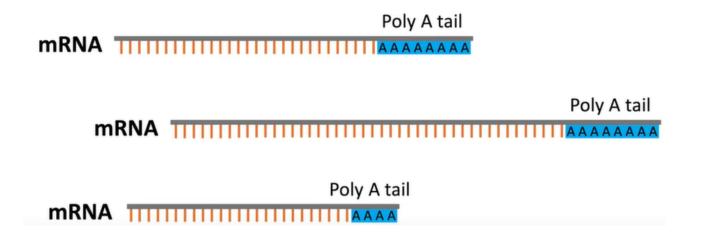
The RNA extraction experiment

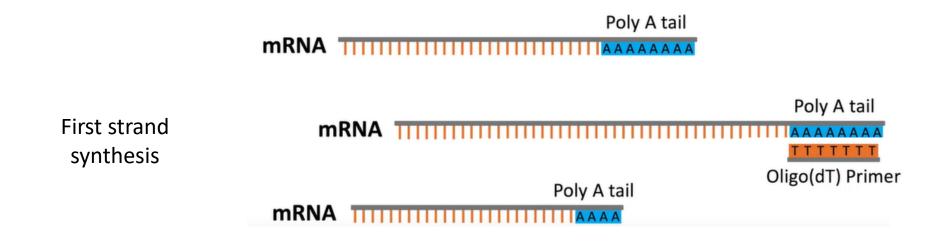
TRANSCRIPTOMICS

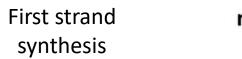
09/03/2023

The RNA extraction









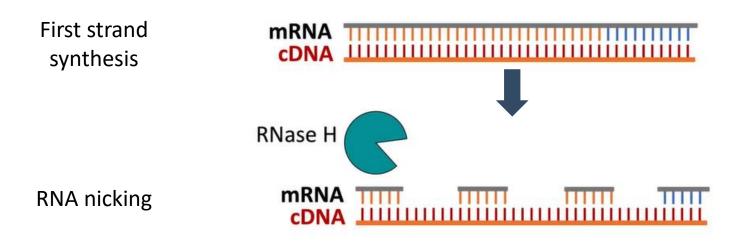


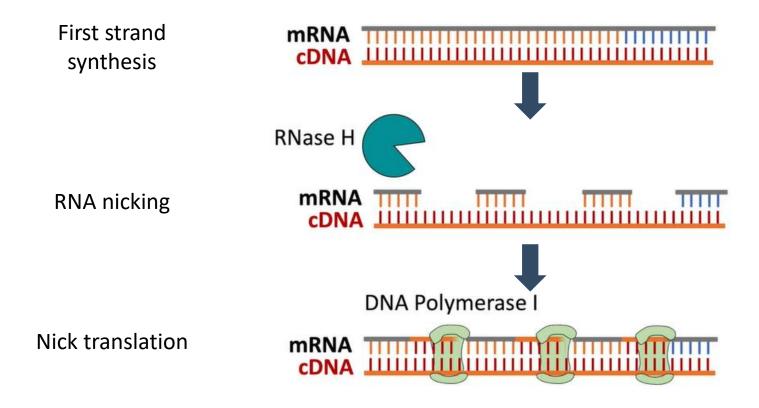
First strand synthesis

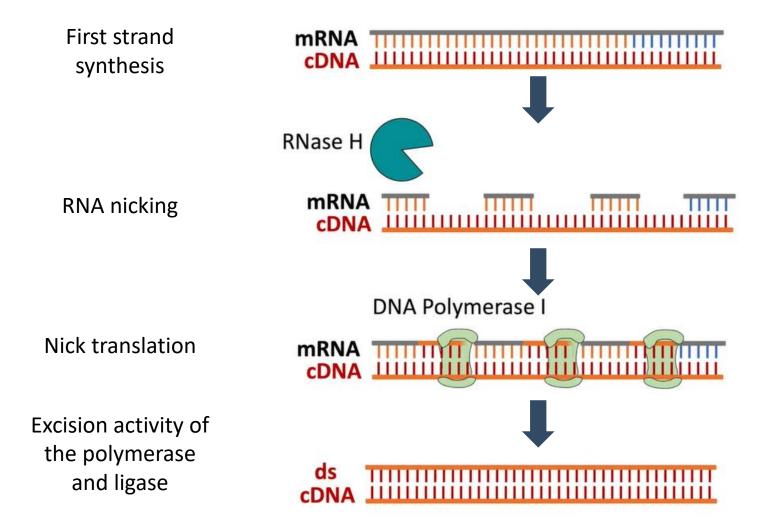


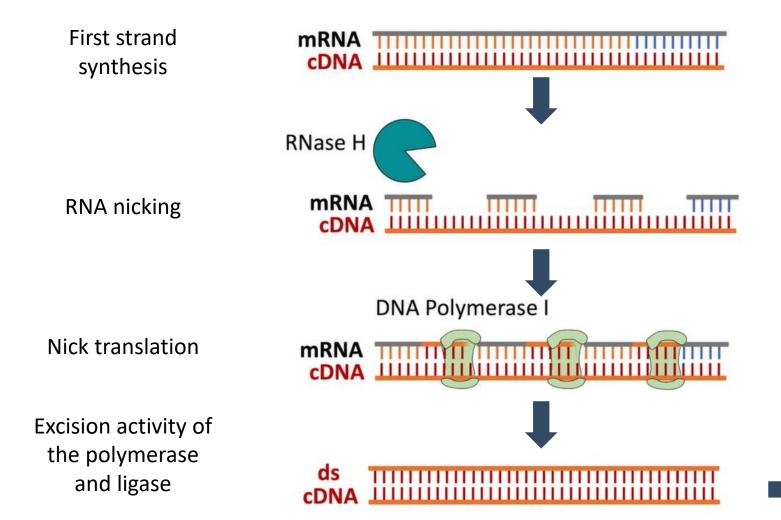
First strand synthesis







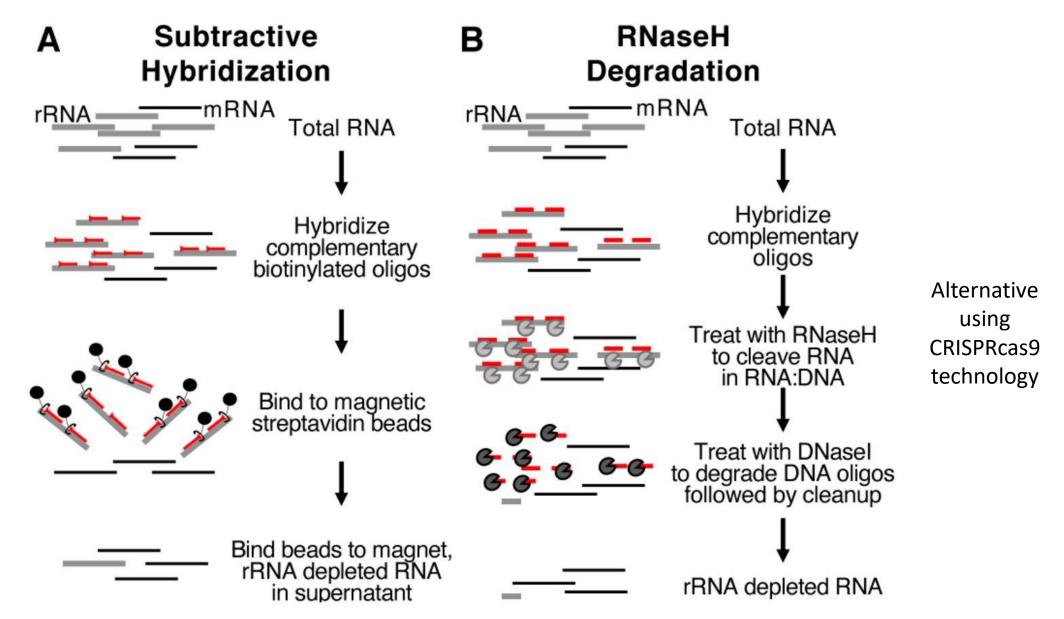




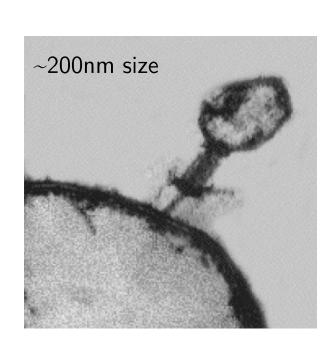
PCR amplification

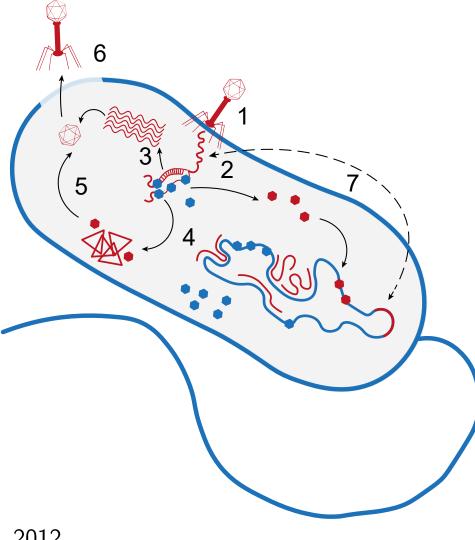
The rRNA depletion

You can work on cDNA which are more stable



The actual experiment – bacterial phage infection





Kutter et al., T. of Nat. Med., 2012

Lytic cycle

- Phage absorption.
- 2. Recruitment of host proteins and phage early proteins interfering with host metabolism.
- 3. Phage DNA replication.
- 4. Phage structural protein synthesis.
- 5. Phage virion assembly.
- 6. Host lysis and liberation of new virions in the media.

Lysogenic cycle

- 7. Phage integration in the host genome
- 7'. Prophage activation

The actual experiment – bacterial phage infection

