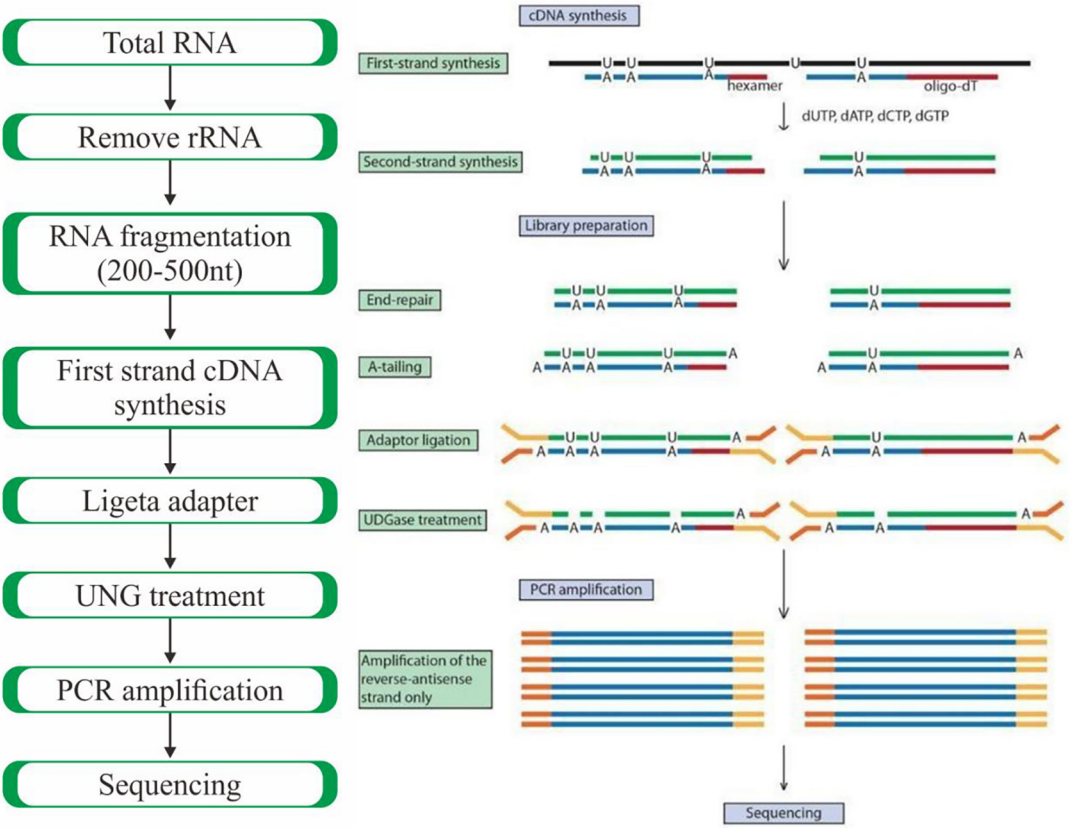

Total RNA
Remove rRNA
RNA fragmentation (200-500nt)
First strand cDNA synthesis
Ligeta adapter
UNG treatment
PCR amplification
Sequencing
cDNA synthesis
First-strand synthesis
hexamer
oligo-dT
dUTP, dATP, dCTP, dGTP
Second-strand synthesis
Library preparation
End-repair
A-tailing
Adaptor ligation
UDGase treatment
PCR amplification
Amplification of the reverse-antisense strand only
Sequencing