removal of m7G cap
fragmentation
end-repair
ligation of 5´ and 3´ RNA adapters
cDNA synthesis
PCR amplification
digestions of mono-P RNA fragments with a 5´-phosphate-dependent exonuclease (Tex)
enrichment of polyA-tailed RNA

(A)

depletion of rRNA

cap
AAAAA
or

(B)

all genes
genes ≥ 4000 nt

ATG ORF Stop
region of CDS (%) relative coverage (%)
tex-treated library
polyA-treated library

region of CDS (%) relative coverage (%)
ORFATG Stop