

(A)mRNA-Seq

Purified Total RNA

*Poly-A Selection*

RNA Fragmentation



cDNA Synthesis



Adapter Ligation & PCR

Ribo-Zero-Seq

Purified Total RNA

*RNA extraction:
Hybridization/bead capture*

RNA Fragmentation



cDNA Synthesis



Adapter Ligation & PCR

DSN-Seq

Purified Total RNA



RNA Fragmentation



cDNA Synthesis



Adapter Ligation & PCR

*DSN Normalization*

* RNA Fragmentation only applies to fresh-frozen samples.

(B)

Sample source	Tissue type	mRNA-Seq	Ribo-Zero-Seq	DSN-Seq	Agilent DNA microarray
UNC	Fresh-frozen	11	11	10	11
	FFPE		8	4	
TCGA	Fresh-frozen	10	6	0	
	FFPE		10+8 replicates	10	