Source: KBhBlO101CentralDogma

1 | RNA Replication

1.1 | The Strands of RNA

- +Strand: reproducable RNA => could be directly translated by the ribosomes
- · -Strand RNA: useless template RNA (less easy to be detected)
 - Need to be processed by RDRP (RNA-dependent RNA Polymerease)
 - Once entered the cell, RDRP goes to work copying -Strand RNA to +Strang RNA
- double-stranded RNA viron => (+, a.k.a. sense)
 - +-stranded RNA => same idea as above
 - strand RNA => virus comes with RDRP that convert -ssRNA to +ssRNA. Then, same idea
 as above.

RNA-Dependent RNA polymerease

- RNA viruses does not need host-cell polymeraese to copy RNA
- · They come with polymerase that...
 - with dsRNA; takes +ssRNA and makes -ssRMA; combining the two to produce dsRNA
 - with +ssRNA, takes +ssRNA and makes temporary -ssRNA which makes more +ssRNA
 - with -ssRNA, takes -ssRNA, and makes temporary +ssRNA, which makes -ssRNA

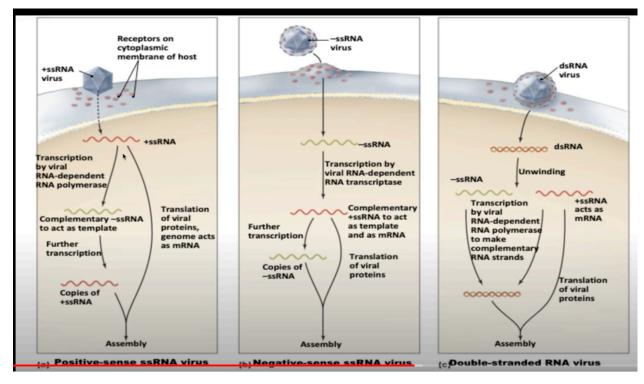


Figure 1: Screen Shot 2020-10-12 at 11.14.30 PM.png