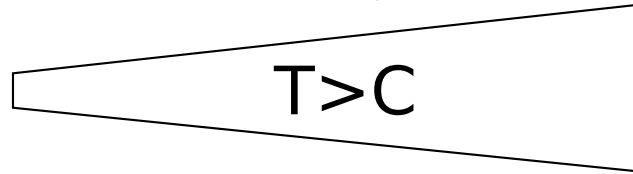
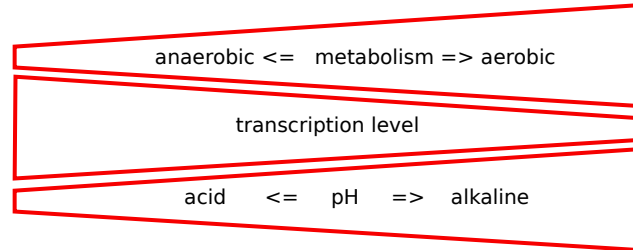


mutational spectrum:



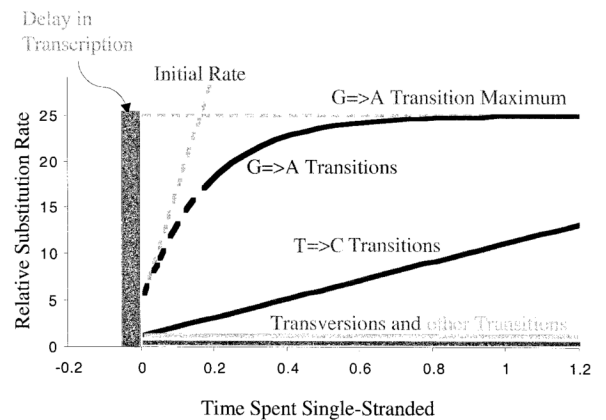
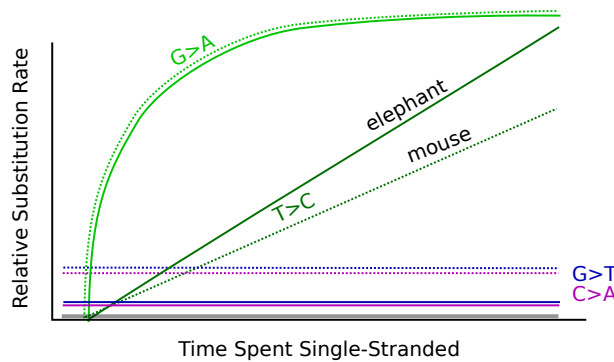
short-lived animals
fast-dividing tissues

chemical damage, associated with cell division rate:

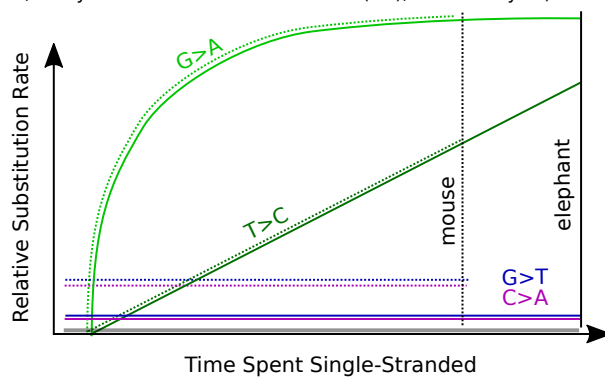


long-lived animals
slow-dividing tissues

B: more mutagenic environment for single-stranded DNA in longlived mammals
(low N_e => less efficient POLG,)



A: replication is slower in longlived mammals
(high GC, many non standard DNA structures (KG); slow cell cycle)



C: efficiency of reparation differs between species

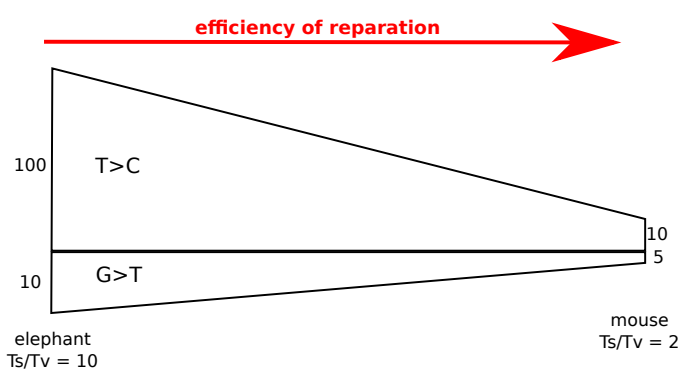


Figure 4