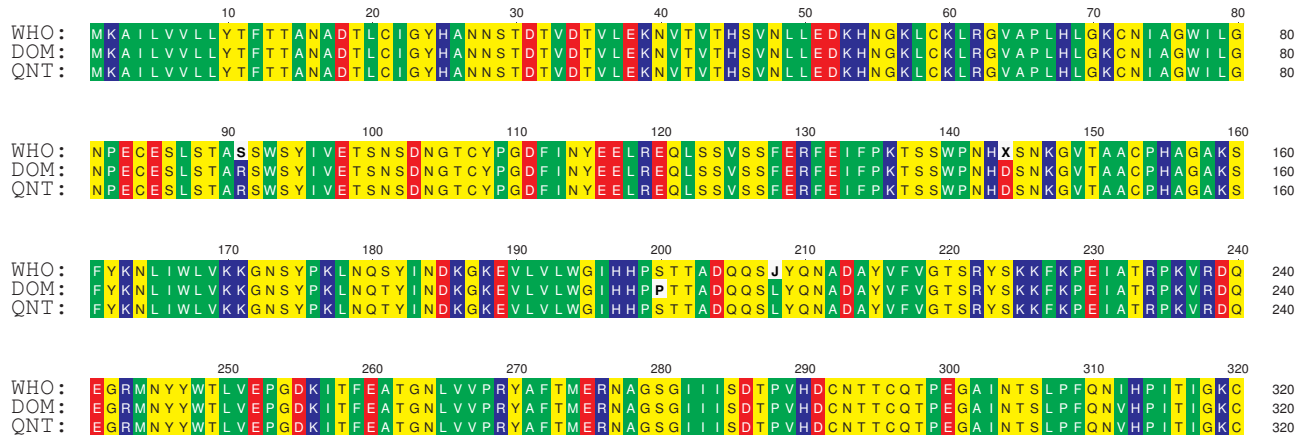


## a. 2018-2019 (Northern Hemisphere)



X acidic (-)  
X basic (+)  
X polar uncharged  
X hydrophobic nonpolar