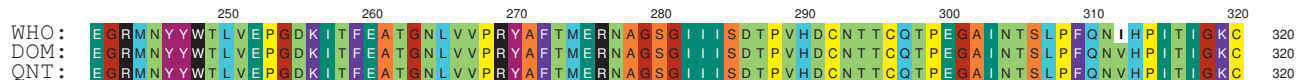
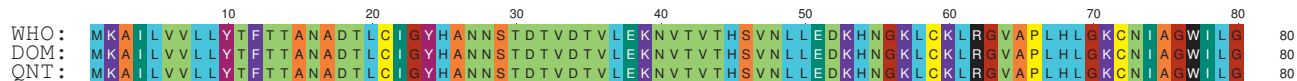


# a. 2018-2019 (Northern Hemisphere)



X	88.1 (G); Standard sidechain area ( $\text{\AA}^2$ )
X	118.2 (A); 129.8 (S)
X	146.1 (C); 146.8 (P)
X	152.5 (T); 158.7 (D); 164.5 (V); 165.5 (N)
X	181.0 (I); 186.2 (E)
X	193.1 (L); 193.2 (Q); 202.5 (H); 203.3 (M)
X	222.8 (F); 225.8 (K)
X	238.8 (Y)
X	256.0 (R); 266.2 (W)