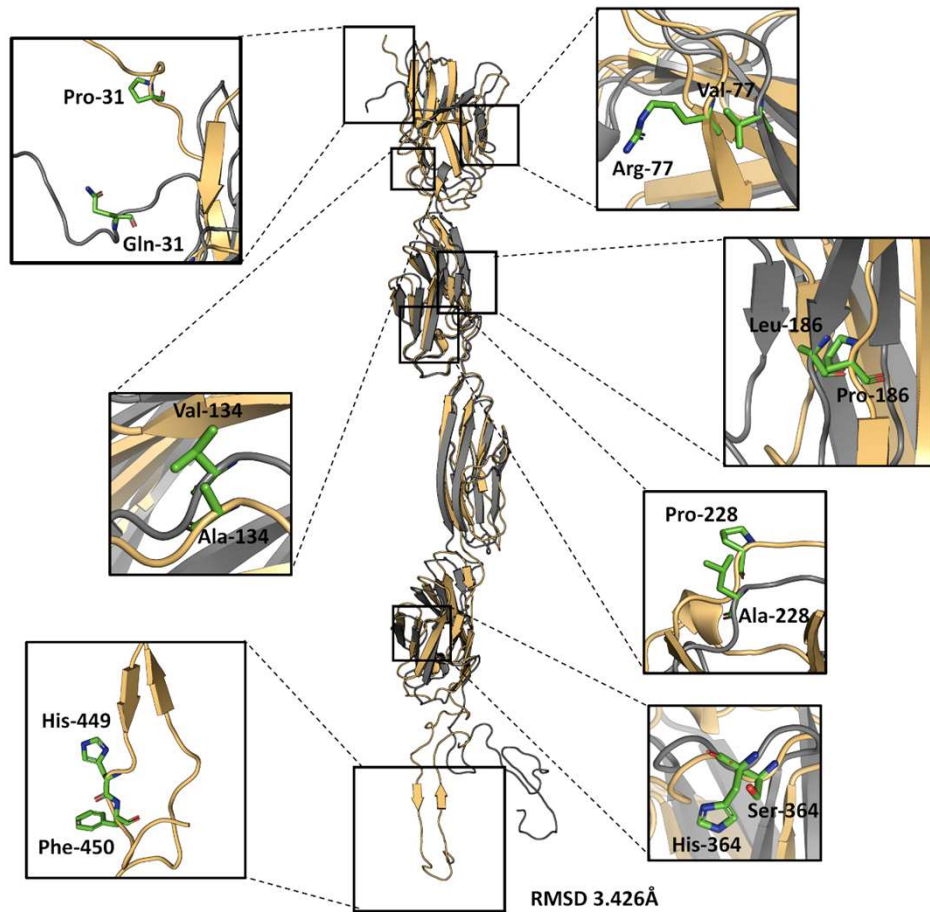
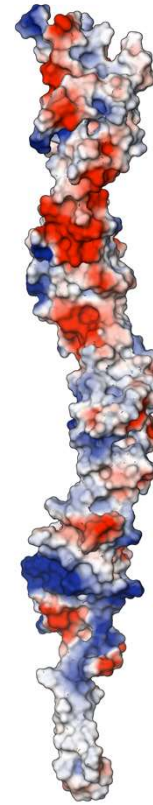


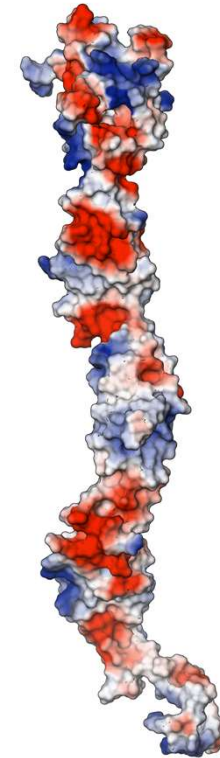
A



B

H. sapiens

C

B. arachnoides

Supplementary Figure 5: 3D Model of CEACAM1. (A) Structural alignment between CEACAM1 *Homo sapiens* models (gold cartoon) and *Brachyteles arachnoides* (grey cartoon). Insets show residues (in sticks) under positive selection and its reference in human sequence. (B) and (C) Electrostatic profile of *H. sapiens* and *B. arachnoides* CEACAM1, respectively. The Bluest zones on protein surface represent values +75.093 KT/ec. The reddest zones represent values -75.093 KT/ec of the electrostatic properties. White regions mean zero values of the electrostatic potential.