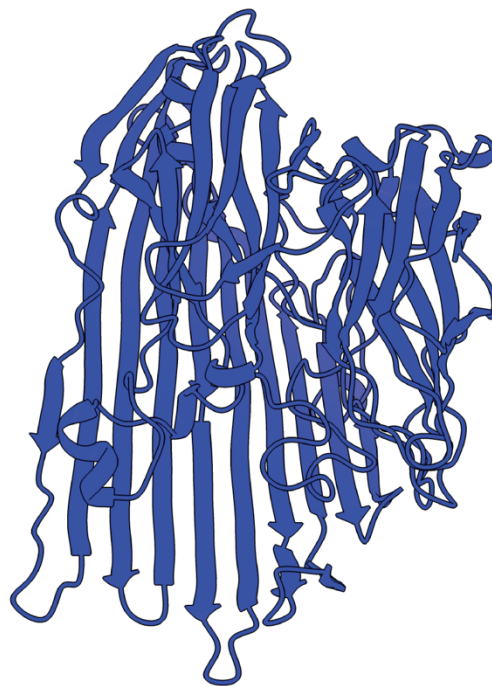
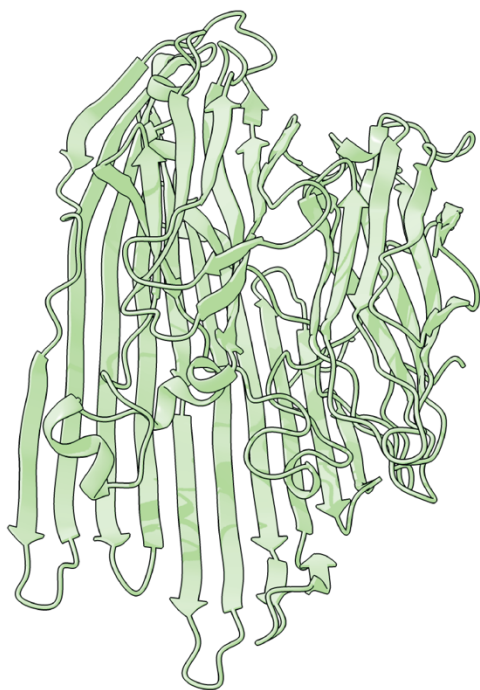




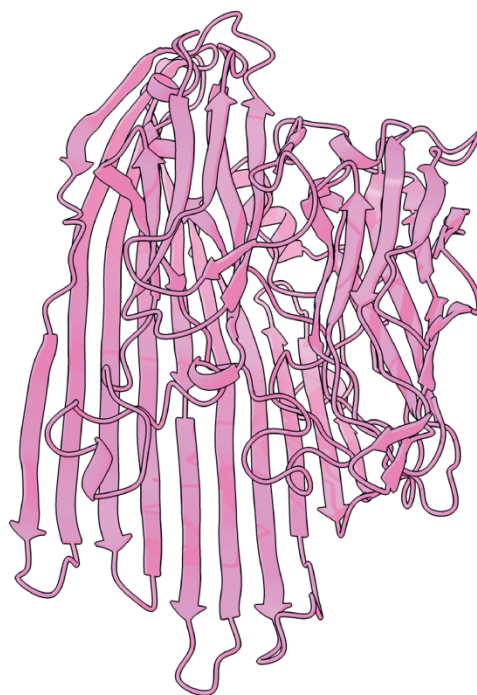
AmePNG



DjPNG



TrPNG



RcPNG

Supplementary Figure S2: AlphaFold2-predicted structural models of PNGases from AmePNG, DjPNG, TrPNG, RcPNG. All four structures display the canonical β -sheet-rich fold typical of the PNGase H⁺ family. While DjPNG, TrPNG, and RcPNG exhibit highly similar overall folds, AmePNG shows several loop regions with distinct conformations, resulting in subtle structural differences.