

# Length-scale dependence of protein hydration-shell density

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**Supporting Information Available**

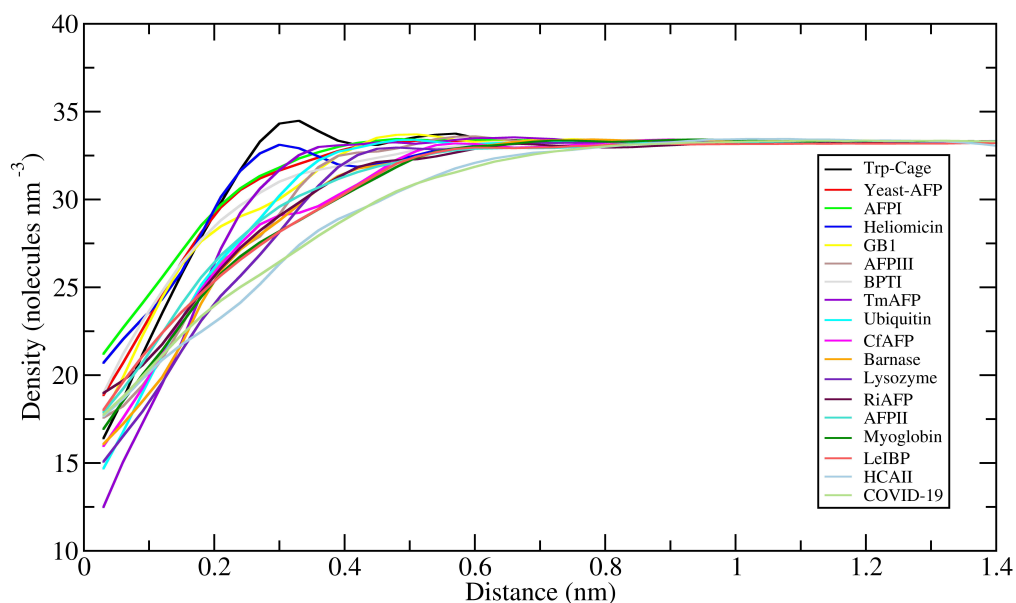


Figure S1: Layer density profile of the hydration SPC molecules as a function of the distance from the protein ellipsoid surface calculated for the eighteen proteins: Trp-cage (black), Yeast-AFP (red), AFPI (green), Heliomicin (blue), GB1 (yellow), AFPIII (brown), BPTI (grey), TmAFP (violet), Ubiquitin (cyan), CfAFP (magenta), Barnase (orange), Lysozyme (indigo), RiAFP (maroon), AFPII (turquoise), Myoglobin (dark green), LEIBP (light red), HCAII (light blue), and COVID-19 (light green).

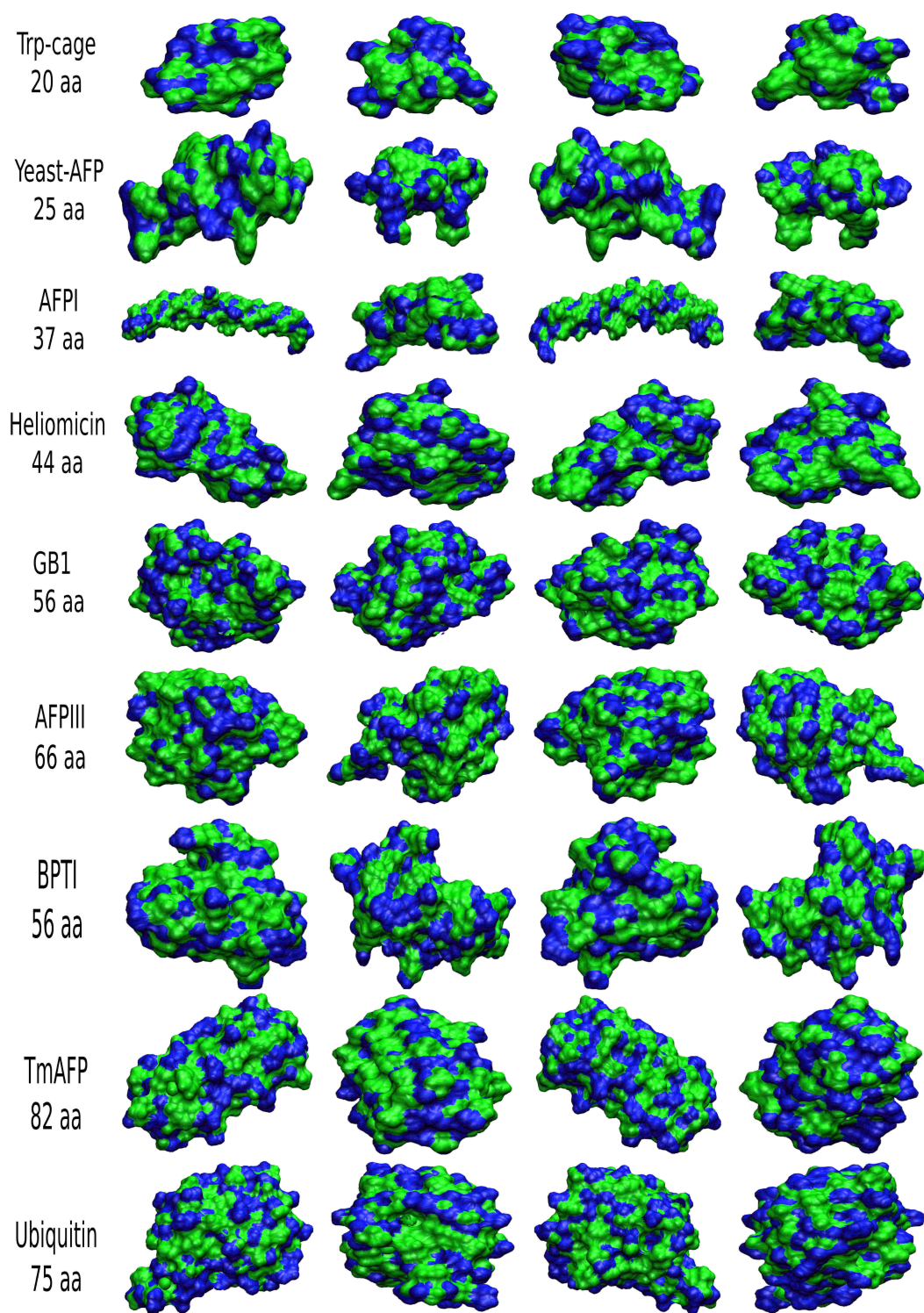


Figure S2: Hydrophobic (green) and hydrophilic (blue) atoms at the protein surface.



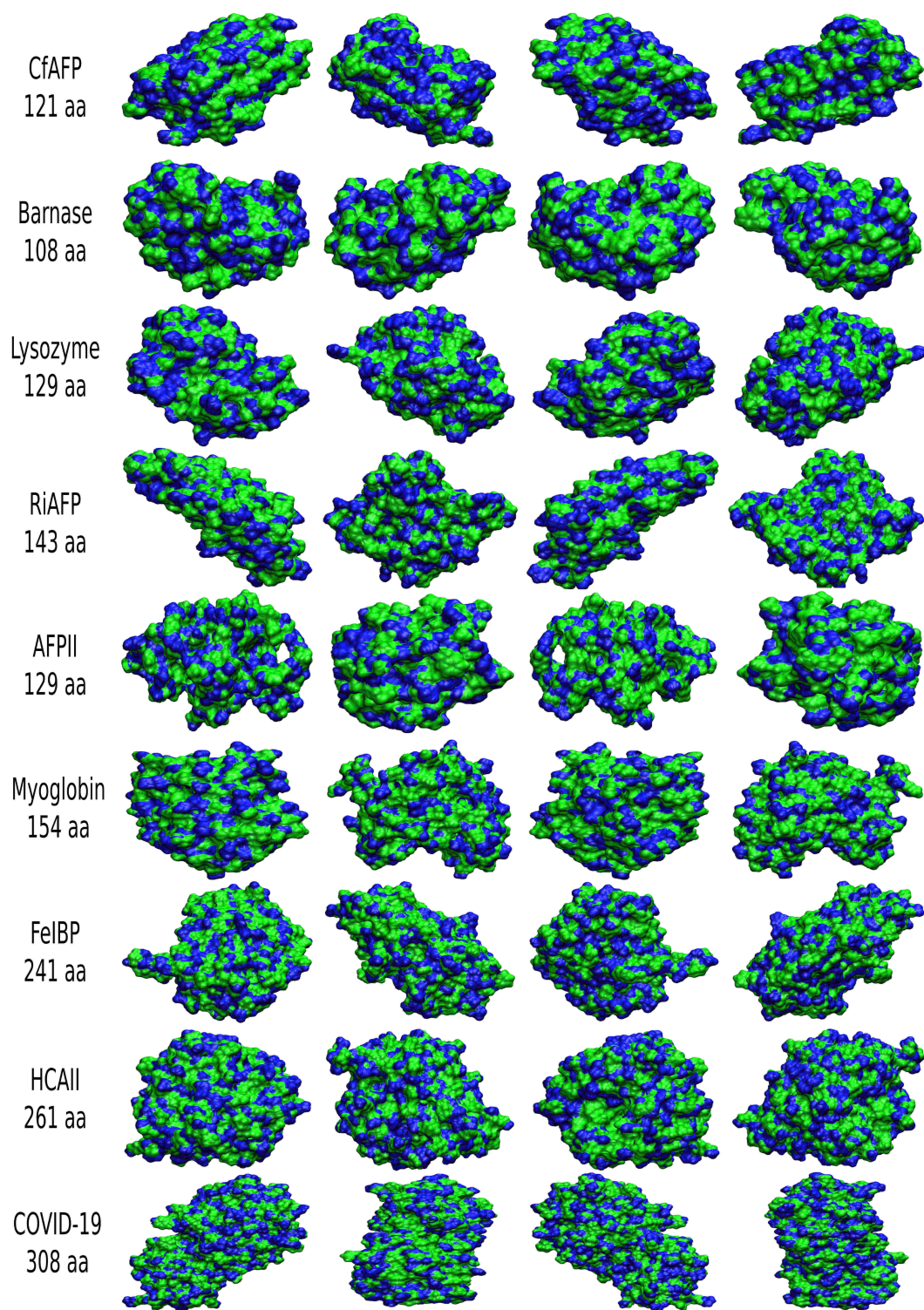


Figure S3: Hydrophobic (green) and hydrophilic (blue) atoms at the protein surface.