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The application of X-ray crystallography and site-directed mutagenesis to the study of protein structures

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Citation

Thomassen, E. A. J. (2005, April 28). *The application of X-ray crystallography and site-directed mutagenesis to the study of protein structures*. Retrieved from <https://hdl.handle.net/1887/834>

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Appendix A colour pictures

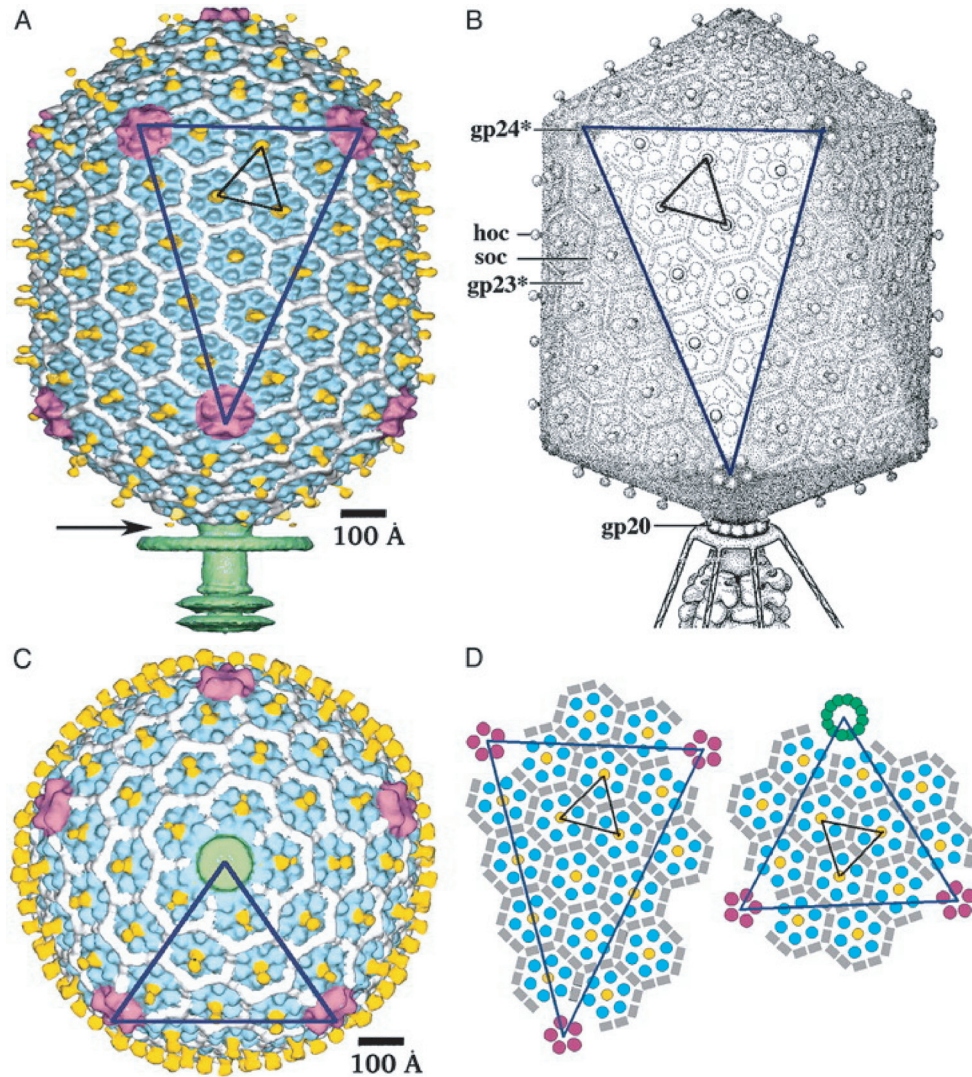


Figure 1.9. Structure of the bacteriophage T4 head. The facet triangles are shown in blue and the basic triangles are shown in black. A) Shaded surface representation of the cryo-EM reconstruction viewed perpendicular to the five-fold axis. Gp23* is shown in blue, gp24* is in magenta, soc is in white, and hoc is in yellow and the tail is in green. B) Model of the previously proposed T4 head structure. C) View of the reconstruction along the five-fold axis at the portal vertex towards the observer; the tail has been cut away at the level of the black arrow in A. Proteins are coloured as described in A. D, left) Schematic representation of distribution of proteins in the elongated midsection facet. D, right) Schematic representation of an end-cap facet. Proteins are coloured as in A, except for soc molecules, which are shown as grey rectangles. Picture from ref [79] chapter 1.