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Supporting information for article:

Structure of two fimbrial adhesins from the uropathogen *Proteus mirabilis*: AtfE and UcaD

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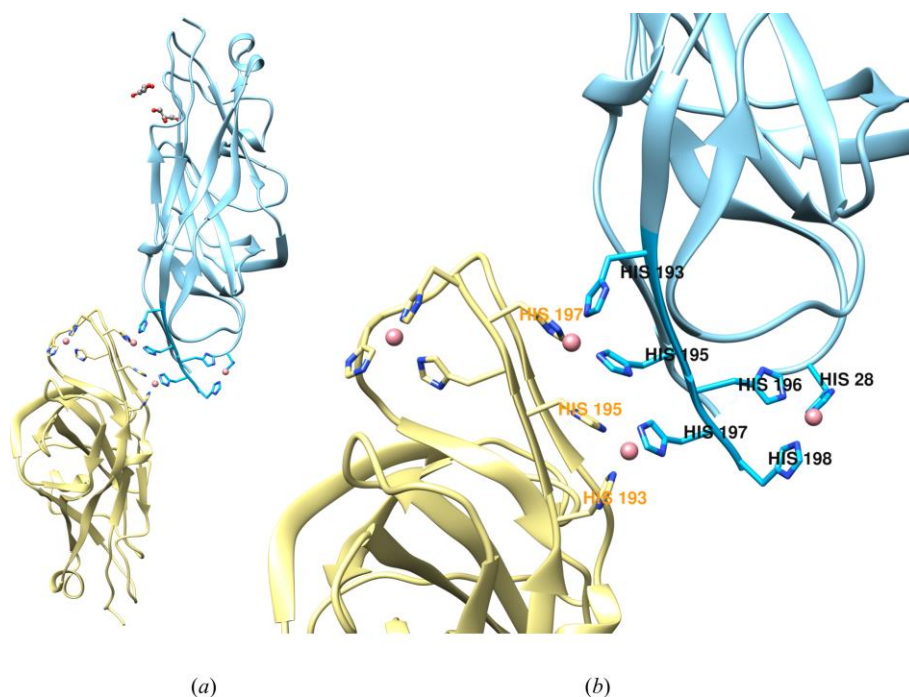


Figure S1 Three-dimensional crystal structure of UcaD₂₁₁ highlighting the cobalt-dependent crystal contacts required for crystallisation. (a) The non-crystallographic dimer is composed of two UcaD₂₁₁ molecules (coloured in blue and yellow respectively) interacting via their His-6 tags. Histidines are shown as sticks, cobalt ions as pink spheres. (b) Zoom-in view of the cobalt coordination. Three His-tag residues (His 193, His 195 from one molecule; His 197 from the other molecule) co-ordinate one of the two cobalt ions in the asymmetric unit. A second intramolecular cobalt coordination site is formed by His 28 and two of the His-tag residues (His 196 and His 198). Each cobalt ion is further coordinated by three other ligands that we have modelled as water molecules (not shown).