

brought to you by www.thebacteriophages.org & www.phage.org

Fig. 25-8. Alignments of amino acid sequences using the CLUSTAL X program (58). A. Cox proteins. The location of the α -turn- α helix structure believed to be involved in DNA binding is indicated. The location of a P2 *cox* mutant, defective in dimerization, is indicated by a star. Amino acids present in at least 4 proteins are indicated by gray shades. B. Immunity C proteins of P2 and P2-like phages. The two α -helices presumed to contain the DNA binding motif are indicated. The mutations discussed in the text are indicated above the sequence. Amino acids common to all three proteins are shaded in dark gray, those present in two are shaded in light gray. C. Immunity CI proteins of 186 and the 186-like proteins. Amino acids common to at least four proteins are shaded in dark gray, those present in three are shaded in light gray. The location of the two α -helices, involved in DNA binding, are indicated.

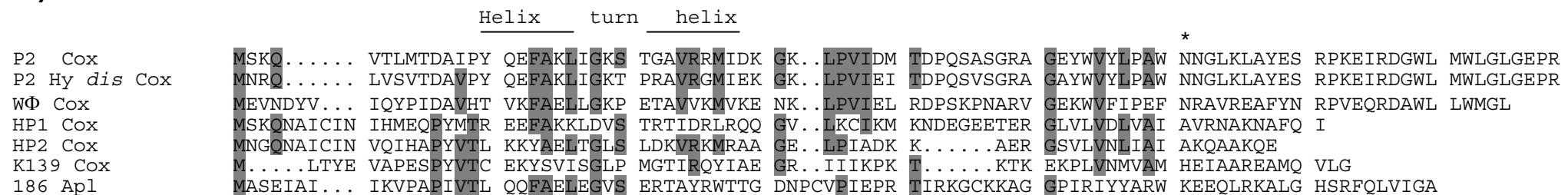
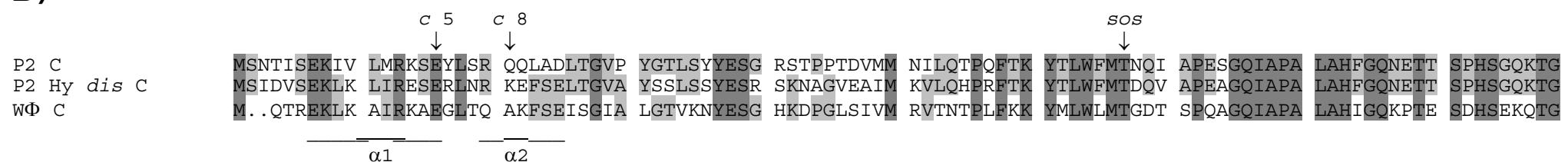
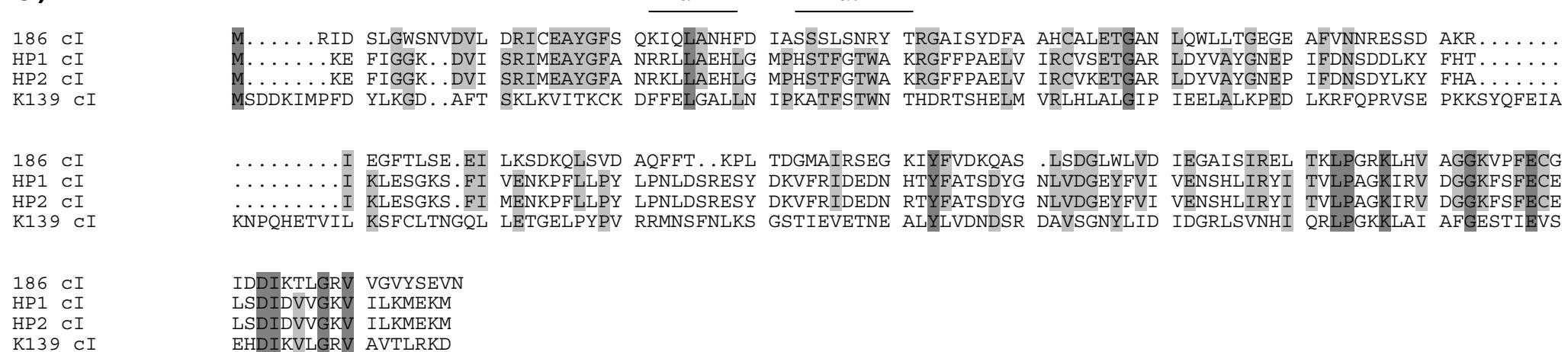
A)**B)****C)**

Fig. 25-8. Alignments of amino acid sequences using the CLUSTAL X program (58). A. Cox proteins. The location of the α -turn- α helix structure believed to be involved in DNA binding is indicated. The location of a P2 *cox* mutant, defective in dimerization, is indicated by a star. Amino acids present in at least 4 proteins are indicated by gray shades. B.

Immunity C proteins of P2 and P2-like phages. The two α -helices presumed to contain the DNA binding motif are indicated. The mutations discussed in the text are indicated above the sequence. Amino acids common to all three proteins are shaded in dark gray, those present in two are shaded in light gray. C. Immunity cI proteins of 186 and the 186-like proteins. Amino acids common to at least four proteins are shaded in dark gray, those present in three are shaded in light gray. The location of the two α -helices, involved in DNA binding, are indicated.