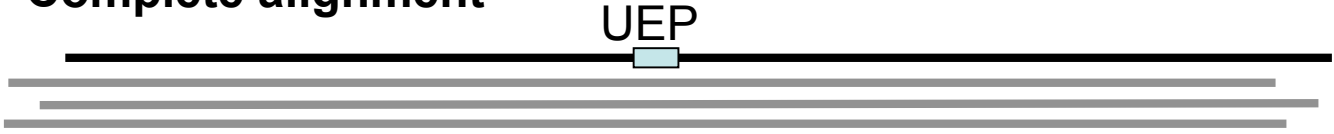
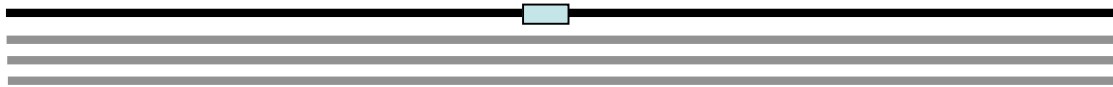


Supplementary Figure 1. Uptake sequence density in COG groups of different species. COG groups are ordered by their uptake sequence density in *N. meningitidis*.
 * no members of this COG were identified.

Complete alignment



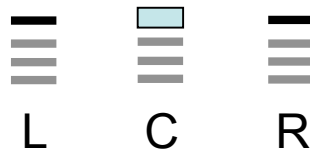
Trimmed alignment (99 aa)



9 aa segments (Fig. 6)



3 aa segments (Fig. 7)



Supplementary Figure 2. Schematic diagram of the homolog analysis presented in Figures 5 and 6. The black lines represent a protein sequence from either *H. influenzae* or *N. meningitidis* centered on a US-encoded tripeptide, and the grey lines represent aligned homologous protein sequences from the corresponding standard genomes.