

Supplementary figure: Electrostatics and fold topology of H-NS-like proteins. Comparison of the charge distribution of the four families of H-NS like protein across a range of species. The average charge of a five-amino acid window as analyzed with EMBOSS charge. Positively and negatively charged regions are colored blue and red respectively. Unknown secondary structures were predicted using JPRED(49). a-

Helices are represented with $(\mathrm{H})$ in pink, $\beta$-sheets with $(\mathrm{E})$ in yellow and random coils with $(-)$ in black. The linker domain is indicated with a red box. H-NS, E. coli strain K-12, NP_415753.1; StpA, E. coli strain K-12, NP_417155.1; Hfp, E. coli strain 536, ABG69928.1; H-NS2, E. coli strain 042, CBG35667.1; Sfh, Shigella flexneri 2a, AAN38840.1; H-NSR27, Salmonella enterica subsp. enterica serovar Typhi strain CT18, NP_569380.1; H-NS, Proteus penneri, SUB98598.1; MvaT, P. aeruginosa PAO1, NP_253005.1; MvaU, P. aeruginosa CLJ1, PTC37345.1; Pmr, P. resinovorans, NP_758612.1; TurA, P. putida, SUD72464.1; TurB, P. putida, VEE40761.1; Mva1/2/3/4_PALC, P. alcaligenes RU36E SIQ98833.1, SIQ72658.1, SIP93681.1 and SIP94365.1; Lsr2_MTUB, M. tuberculosis H37Rv, NP_218114.1; Lsr2, Tsukamurella pulmonis, SUP14481.1; Lsr2, Cutibacterium granulosum, SNV28945.1; Lsr2A/B_SCOEL, S. coelicolor A(3)2 , CAB40875.1 and CAB56356.1; Lsr2A/B_MSMEG, M. smegmatis MKD8, AWT56911.1 and AWT52048.1; Rok, B. subtilis strain 168, NP_389307.1; Rok, Streptococcus pneumonia, CVM76913.1; Rok, B. atrophaeus, KFK83781.1; Rok, Paenibacillus polymyxa, SPY12450.1; sRok, B. subtilis subsp. natto, YP_004243533.1.

