



Supplementary Figure. Proteobacterial gene-content trees inferred using generalized average-based distance with different exponents ($= -\text{inf}$, -3 , -2 , -1 , 0 , 1 , $+\text{inf}$) as well as correlation-based distance measure ($d=1-\text{cor}$) and distance based on Jaccard coefficient ($d=1-\text{JC}$).