

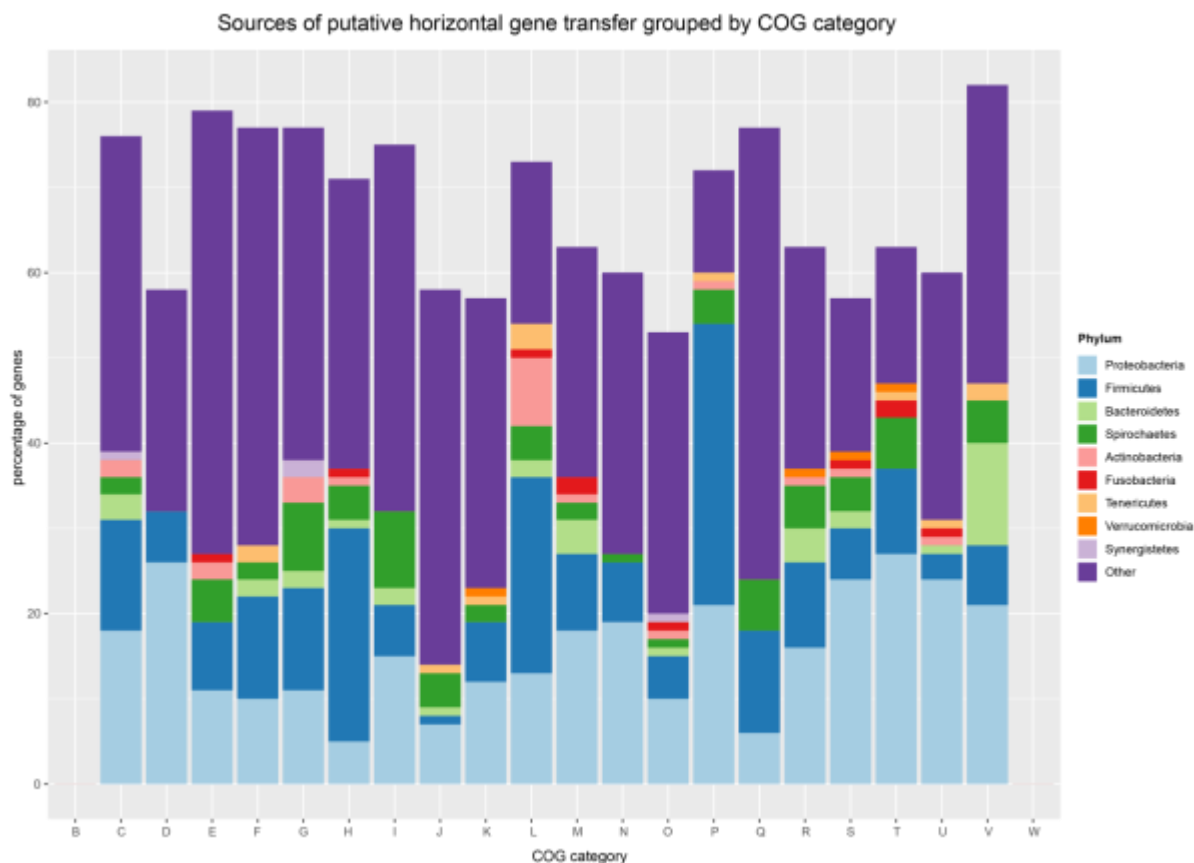
B

Figure S1. Potential source phylum of putatively horizontally-transferred genes of *M. schaedleri* ASF 457 AYGZ grouped by Clusters of Orthologous Groups (COG) category. (A) Number of genes and (B) relative abundance of genes are shown. “Other” denotes genes for which the potential source phylum is ambiguous or not listed. COG categories are: B: Chromatin Structure and dynamics, C: Energy production and conversion, D: Cell cycle control and mitosis, E: Amino Acid metabolism and transport, F: Nucleotide metabolism and transport, G: Carbohydrate metabolism and transport, H: Coenzyme metabolism, I: Lipid metabolism, J: Translation, K: Transcription, L: Replication and repair, M: Cell wall/membrane/envelop biogenesis, N: Cell motility, O: Post-translational modification, protein turnover, chaperone functions, P: Inorganic ion transport and metabolism, Q: Secondary Structure, R: General Functional Prediction only, S: Function Unknown T: Signal Transduction, U: Intracellular trafficking and secretion, and V: Defense mechanisms.