

Figure S1: Synteny ortholog detection (SynOrF). The red and black dots represent genes located on two different bacterial genomes. The double lines indicate homology between genes. The arrows are edges in a graph. a) The query gene of Genome\_1 has two homologs in Genome\_2. b) The detailed construction of a graph is shown. The edges of the graph are the connections for each gene and its genomic neighbors up to the third degree. To evaluate the synteny, a score is calculated based on the number of neighbors of a homolog that are also homolog to the neighbors of the query gene (c, d). Homologs with the highest score (>=2) are selected as synteny orthologs.