

Concoct 3. Taxonomic assignments for 11 metagenome assembled genomes (MAGs)

Cluster	Phylum	Class	Species	Environment associated with taxon
	Inferred taxon (Proportion of clustered reference genomes)			
C66	Proteobacteria (1.0).	<i>Deltaproteobacteria.</i> (1.0)	<i>Desulfomonile tiedjei</i> (1.0)	Sulfate reducer
C72	Firmicutes (1.0)	<i>Clostridia</i> (1.0)	<i>Eubacterium sulci</i> (1.0)	Plaque associated
C18	Proteobacteria (1.0)	<i>Betaproteobacteria</i> (1.0)	<i>Acidovorax delafieldii</i> (1.0)	Plant associated
C25	Firmicutes (1.0)	<i>Clostridia</i> (1.0)	<i>Clostridium acetobutylicum</i> (1.0)	
C30	Firmicutes (0.5)	<i>Clostridia</i> (0.5)	<i>Pseudothermotoga elfii</i> (0.03)	
C69	Euryarchaeota (1.0)	<i>Methanomicrobia</i> (1.0)	<i>Methanosphaerula palustris</i> (1.0)	Methanogen
C1	Bacteroidetes (1.0)	<i>Bacteroidia</i> (1.0)	<i>Rikenella microfusis</i> (0.3)	
C32	Proteobacteria (0.9)	<i>Deltaproteobacteria</i> (0.9).	<i>Desulfomicrobium baculatum</i> (0.03)	
C2	Proteobacteria (1.0)	<i>Deltaproteobacteria</i> (1.0)	<i>Babela massiliensis</i> (1.0)	
C3	Chloroflexi (0.9)	<i>Thermomicrobia</i> (0.6)	<i>Sphaerobacter thermophiles</i> (0.1)	
C40	Proteobacteria (1.0)	<i>Deltaproteobacteria</i> (1.0)	<i>Desulfatiglans aniline</i> (1.0)	Sulfate reducer