Other 32 taxonomic groups and 282 distinct MAGs Halogenated compounds breakdown Manganese) oxidation/ Nitrile hydratase Selenate Reduction Arsenate reduction Chlorite reduction Arsenite oxidation Thaumarchaeota CP Bathyarchaeota Archaea Euryarchaeota CP Handelsmanbacteria CP Aminicemantes (OP8) Sericytochromatia, Tanganyikabacteria Chloroflexi Armatimonadetes Actinobacteria Gemmatimonadetes CP Zixibacteria Ignavibacteria Calditrichaeota Nb.of.genes Chlorobi CP Eisenbacteria Taxonomy **Bacteroidetes** 3 Kirimatiellaeota 2 Verrucomicrobia Bacteria Planctomycetes Planctomycetes (Phycisphaerae) CP Poribacteria Lentisphaerae Acidobacteria Nitrospirae **CP** Tectomicrobia CP Rokubacteria Deltaproteobacteria CP Hydrogenedentes Alphaproteobacteria non LD12 Alphaproteobacteria LD12 Betaproteobacteria Gammaproteobacteria nthA nthB ars_ox ars_ox arsC ars_thioredoxin . 물 물 mtrA mtrC_

Genes