ASV014 Sediminibacterium ASV013 Sediminibacterium

Sediminibacterium

ASV025 Terrimonas

ASV011 Thiobacillus ASV012 Thiobacillus

Terrimonas

Chitinophagaceae

ASV019 Cupriavidus

ASV016 Cupriavidus

ASV022 Flavobacterium

ASV030 Hydrogenophaga ASV010 Hydrogenophaga

Cupriavidus Hydrogenophilaceae

Chitinophagales Flavobacterium Flavobacteriaceae

ASV028 Pedobacter

Hydrogenophaga

Burkholderiaceae

Flavobacteriales

Pedobacter

ASV009 Hydrogenophag

Comamonadaceae

Bacteroidia

ASV029 Hydrogenophaga

Burkholderiales

Sphingobacteriaceae Sphingobacteriales

ASV026 Microbacterium

Bacteroidota

Microbacterium

Gammaproteobacteria

Microbacteriaceae ASV024 N Micrococcales 1icrobacterium

Salinisphaerales

Hyphomicrobium

Bacteria

Actinobacteriota

Actinobacteria

Solimonadaceae ASV005 Sinobact Hyrdocarboniphaga Sinobact Hyrdocarboniphaga

Proteobacteria

Hyphomicrobiaceae

ASV002 Sphingomonas

ASV020 Hyphomicrobium ASV004 Sinobact. Hyrdocarboniphaga

Alphaproteobacteria

Sphingomonas

Sphingomonadales Sphingomonadaceae

> Novosphingobium Sphingopyxis

ASV008 Novosphingobium

ASV021 Sphingopyxis

ASV023 Sphingopyxis ASV003 Novosphingobium

Rhizobiaceae Xanthobacteraceae

Rhizobiales

Mesorhizobium ASV027 Mesorhizobium

ASV018 Hyphomicrobium

Bradyrhizobium

Shinella

ASV006 Bradyrhizobium

ASV007 Bradyrhizobium ASV017 Shinella

ASV015 Shinella

-og 2 ratio TBZ/SU -3.560 -0.8890.000 0.889 3.560 8.000

-8.000

Nodes

1.00

8.25

21.10

30.00

13.90