## Genus Level Impact on Algal Carrying Capacity Vogesella Rheinheimera Ramlibacter Pseudomonas Niveispirillum chlorella Flavobacterium Curvibacter Comamonadaceae unclassified Chromobacterium Caulobacter Burkholderiaceae\_unclassified Alphaproteobacteria\_unclassified Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium Acidovorax NA Vogesella Rhizobiales unclassified Pseudomonas coelastrum Micrococcaceae\_unclassified Flavobacterium Comamonadaceae\_unclassified Caulobacter Burkholderiaceae\_unclassified Brevundimonas Asticcacaulis host\_species Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium chlorella Vogesella coelastrum Sphingorhabdus **Bacterial Genus** Sanguibacter-Flavimobilis monoraphidium monoraphidium Pseudomonas Niveispirillum scenedesmus Hymenobacter Hydrogenophaga selenastrum Curvibacter Comamonadaceae\_unclassified Caulobacter Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium significant Aeromonas Acidovorax **FALSE TRUE** Vogesella uncultured Sphingorhabdus Pseudomonas scenedesmus Niveispirillum Micrococcaceae\_unclassified Hydrogenophaga Flavobacterium Comamonadaceae\_unclassified Caulobacteraceae\_unclassified Caulobacter Burkholderiaceae\_unclassified Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium Aeromonas Acidovorax NA 00 Vogesella Rheinheimera Ramlibacter selenastrum Pseudomonas Niveispirillum Hydrogenophaga Comamonadaceae\_unclassified Caulobacter Azospirillum Aquabacterium Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium Acidovorax

log(Coculture Carrying Capacity / Axenic Carrying Capacity)

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