



*Chlorella sorokiniana*  
ASVs with Cultured Representatives from Pondwater  
ASVs not Cultured from Pondwater

*Coelastrum microporum*  
ASVs with Cultured Representatives from Phycosphere  
ASVs not Cultured from Phycosphere

*Scenedesmus acuminatus*  
ASVs with Cultured Representatives from Phycosphere  
ASVs not Cultured from Phycosphere

*Monoraphidium minutum*  
ASVs with Cultured Representatives from Phycosphere  
ASVs not Cultured from Phycosphere

*Selenastrum capricornutum*  
ASVs with Cultured Representatives from Phycosphere  
ASVs not Cultured from Phycosphere