Lake Champlain – metatranscriptomes & metagenomes Littoral (genome-2015) Taxonomy (genera) 0.6 Acinetobacter 0.4 alpha Anabaena reads Bacillus Bacteria Blautia of annotated Calothrix Littoral (genome-2016) Candidatus Chlamydia Dolichospermum Elizabethkingia Flavobacterium Fusobacterium Fraction Inediibacterium Littoral (transcriptome-2016) Microcystis Nostoc Salmonella 0.50 Staphylococcus Streptococcus 0.25 Synechococcus Sampling Source - 0.8 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 0.3 - 2016-08-10 2016-08-12 2016-08-13 2016-07-16 2016-07-30 2016-08-16 2016-08-18 2016-08-23 2016-09-15 2016-09-19 2016-09-22 2016-09-26 2016-10-06 2016-07-05 2016-07-21 2016-07-28 2016-07-29 2016-08-02 2016-09-01 2016-06-01 2016-07-27