## Increasing away from stream inlet

| slope | pval | Phylum | Class | Order | Family | Genus |
| --- | --- | --- | --- | --- | --- | --- |
| -0.000 | 0.029 | Proteobacteria | Betaproteobacteria | Burkholderiales | Comamonadaceae | Comamonadaceae\_unclassified |
| -0.000 | 0.000 | Actinobacteria | Actinobacteria | Actinomycetales | Actinomycetales\_unclassified | Actinomycetales\_unclassified |
| -0.000 | 0.000 | Verrucomicrobia | Spartobacteria | Spartobacteria\_unclassified | Spartobacteria\_unclassified | Spartobacteria\_unclassified |
| -0.000 | 0.002 | Bacteroidetes | Sphingobacteriia | Sphingobacteriales | Chitinophagaceae | Sediminibacterium |
| -0.000 | 0.022 | Bacteroidetes | Sphingobacteriia | Sphingobacteriales | Saprospiraceae | Saprospiraceae\_unclassified |
| -0.000 | 0.004 | Actinobacteria | Actinobacteria | Actinomycetales | Actinomycetales\_unclassified | Actinomycetales\_unclassified |
| -0.000 | 0.000 | Actinobacteria | Actinobacteria | Actinomycetales | Actinomycetales\_unclassified | Actinomycetales\_unclassified |
| -0.000 | 0.000 | Actinobacteria | Actinobacteria | Actinobacteria\_unclassified | Actinobacteria\_unclassified | Actinobacteria\_unclassified |
| -0.000 | 0.000 | Actinobacteria | Actinobacteria | Actinomycetales | Microbacteriaceae | Microbacteriaceae\_unclassified |
| -0.000 | 0.000 | Actinobacteria | Actinobacteria | Actinomycetales | Actinomycetales\_unclassified | Actinomycetales\_unclassified |
| -0.000 | 0.001 | Actinobacteria | Actinobacteria | Actinomycetales | Microbacteriaceae | Microbacteriaceae\_unclassified |
| -0.000 | 0.000 | Bacteroidetes | Cytophagia | Cytophagales | Cyclobacteriaceae | Algoriphagus |
| -0.000 | 0.000 | Proteobacteria | Alphaproteobacteria | Rhodospirillales | Acetobacteraceae | Roseomonas |
| -0.000 | 0.033 | Bacteroidetes | Flavobacteriia | Flavobacteriales | Flavobacteriaceae | Flavobacterium |

## Decreasing away from stream inlet

| slope | pval | Phylum | Class | Order | Family | Genus |
| --- | --- | --- | --- | --- | --- | --- |
| 0.000 | 0.023 | Proteobacteria | Gammaproteobacteria | Pseudomonadales | Pseudomonadaceae | Pseudomonas |
| 0.000 | 0.034 | Proteobacteria | Gammaproteobacteria | Methylococcales | Methylococcaceae | Methylococcaceae\_unclassified |
| 0.000 | 0.044 | Bacteroidetes | Flavobacteriia | Flavobacteriales | Flavobacteriaceae | Flavobacterium |
| 0.000 | 0.047 | Proteobacteria | Betaproteobacteria | Burkholderiales | Oxalobacteraceae | Janthinobacterium |
| 0.000 | 0.030 | Proteobacteria | Gammaproteobacteria | Methylococcales | Methylococcaceae | Methylobacter |