



Figure 8: Abundance of OTUs/ASVs within *Planctomyces* genus across oxygen concentration

As we highlighted in Table 3, there were 4 OTUs within the *Planctomyces* genus. The abundances of the OTUs within the *Planctomyces* genus did not significantly differ across depth. None of the linear models generated for these OTUs have a p-value below 0.05, hence a relationship cannot be established between abundance and depth, as summarized in Table 4. The abundances of these OTUs also did not change significantly with oxygen concentration either in Table 5. The linear models generated to compare the relationship between abundance and oxygen concentration also had p-values that were above 0.05. This indicated that the abundances of these OTUs were unaffected by oxygen concentration. Similar results were observed from the ASV results generated from QIIME2,