

The diagram illustrates the experimental design for the study. It shows four groups of samples, each with three replicates, arranged in a grid. The groups are labeled on the left: Tide Pool 1 (S1), Tide Pool 2 (S2), Nearshore (N), and Field Blank. The grid consists of colored rectangles representing different environmental conditions. The colors are: yellow (Tide Pool 1), light green (Tide Pool 2), dark green (Nearshore), light blue (Field Blank), and purple (Field Blank). The layout shows that Tide Pool 1 and Tide Pool 2 have three replicates each, while Nearshore and Field Blank have one replicate each. The Field Blank group is shown in two columns, indicating two different field blank conditions.