

The diagram illustrates the experimental design for the study. It shows four groups of samples, each with three replicates, arranged across 12 columns. The groups are:

- Tide Pool 1 (S1)**: Yellow box in column 1, green boxes in columns 2-5, blue boxes in columns 6-9, and purple boxes in columns 10-12.
- Tide Pool 2 (S2)**: Yellow box in column 1, green boxes in columns 2-5, blue boxes in columns 6-9, and purple boxes in columns 10-12.
- Nearshore (N)**: Yellow box in column 1, green boxes in columns 2-5, blue boxes in columns 6-9, and purple boxes in columns 10-12.
- Field Blank**: Yellow box in column 1 and a purple box in the 12th column.