

The diagram illustrates the experimental design for four groups, each with three replicates. The groups are Tide Pool 1 (S1), Tide Pool 2 (S2), Nearshore (N), and Field Blank. The samples are color-coded by treatment stage: yellow (control), light green (low), medium green (medium), teal (high), light blue (very high), and purple (extreme). Tide Pool 1 (S1) and Tide Pool 2 (S2) show a full progression through all stages. Nearshore (N) shows a progression through all stages but lacks the final purple stage. Field Blank shows only the initial yellow stage.

Group	Replicate	Stage 1 (Yellow)	Stage 2 (Light Green)	Stage 3 (Medium Green)	Stage 4 (Teal)	Stage 5 (Light Blue)	Stage 6 (Purple)
Tide Pool 1 (S1)	1	Yes	Yes	Yes	Yes	Yes	Yes
	2	Yes	No	No	Yes	No	Yes
	3	Yes	No	No	Yes	No	Yes
Tide Pool 2 (S2)	1	Yes	Yes	Yes	Yes	Yes	Yes
	2	Yes	No	No	Yes	No	Yes
	3	Yes	No	No	Yes	No	Yes
Nearshore (N)	1	Yes	Yes	Yes	Yes	Yes	Yes
	2	Yes	No	No	Yes	No	Yes
	3	Yes	No	No	Yes	No	Yes
Field Blank	1	Yes	No	No	No	No	Yes