Hypothesis	Model (R Package)	Response Variable	Scale	Equation (Response ~ Predictors)
Herbivore	lmer (lme4)	Algal overgrowth (AO)	Module	AO ~ UB + HFB + R + S + (R × S) + (1|m) + (1|t)
Herbivore	lmer (lme4)	Coral recruitment (CR)	Module	CR ~ UB + HFB + AO + R + S + (R × S) + (1|m) + (1|t)
Herbivore	glmmTMB (glmmTMB)	Coral survival (CS)	Module	CS ~ UB + HFB + AO + R + S + (R × S) + (1|m) + (1|t)
Herbivore	lmer (lme4)	Coral growth (CG)	Module	CG ~ UB + HFB + AO + R + S + (R × S) + (1|m) + (1|t)
Reefscape/Shelter (R/S)	lmer (lme4)	Urchin biomass (UB)	Module	UB ~ R + S + (R × S) + (1|m) + (1|t)
Reefscape/Shelter (R/S)	lmer (lme4)	Herbivorous fish biomass (HFB)	Module	HB ~ R + S + (R × S) + (1|m) + (1|t)
Reefscape/Shelter (R/S)	lmer (lme4)	Algal overgrowth (AO)	Colony	AO ~ R + S + (R × S) + (1|ID) + (1|m) + (1|t)
Reefscape/Shelter (R/S)	lmer (lme4)	Coral recruitment (CR)	Module	CR ~ R + S + (R × S) + (1|m) + (1|t)
Reefscape/Shelter (R/S)	glmmTMB (glmmTMB)	Coral survival (CS)	Module	CS ~ R + S + (R × S) + (1|m) + (1|t)
Reefscape/Shelter (R/S)	lmer (lme4)	Coral growth (CG)	Colony	CG ~ R + S + (R × S) + (1|ID) + (1|m) + (1|t)