

Figure S1: Marginal posterior distributions of incidence of injury (P(Injury)) for the interaction between region and zone. Points represent estimated marginal means on the log-odds scale, lines represent 95% quantile intervals. Dotted lines indicate the percentage value when back-transformed from the log-odds scale.

Table S1: Number of colonies surveyed within each survey period (**bold**) broken down into each health category, including whole colony mortality (Recently Dead). The sum of colonies and the proportion of colonies within each health category are given per survey period.

Category	Sum	Percentage
Before Bleaching	17255	37.24%
Healthy	16224	94.02%
Recently Injured	838	4.86%
Recently Dead	63	0.37%
During Bleaching	29075	62.76%
Healthy	27495	94.57%
Recently Injured	1383	4.76%
Recently Dead	197	0.68%
Total	46330	100%

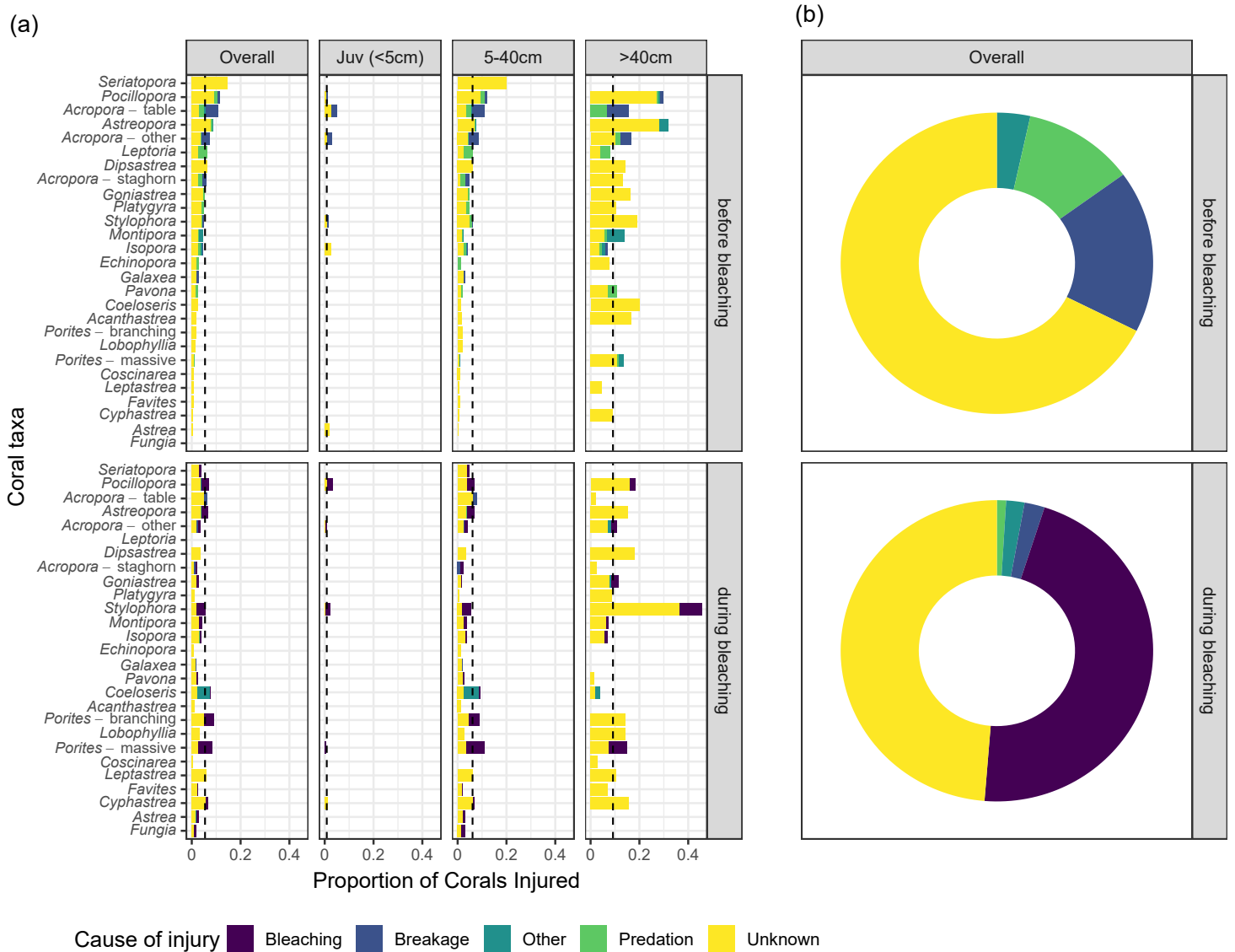


Figure S2: Proportional incidence of combined recent injury and recent whole colony mortality with causes for the survey period before the bleaching (top) and during the bleaching (bottom). Bar plots (a) represent proportional incidence of recent injury and whole colony mortality (mean) for each taxon (Genus spp.), among size classes (columns), broken down by categories of causes (colours), where median proportion of colonies displaying recent injury or whole colony mortality is displayed by the dashed vertical line. Pie charts (b) represent the causes of injury and whole colony mortality when pooled across all taxa and colony sizes for each survey period.