

Supplementary Material

Search for the vulnerable giants: the presence of giant guitarfish and wedgefish in the Karimunjawa National Park and adjacent waters

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Table S1. One-way PERMANOVA tests value of *G. typus*–*R. australiae* and all shark and ray species n_{max} based on sites (west, east, outside of national park), zonation (no-take, open access, outside of national park) and depth (0–10, 10.1–20, 20.1–30, 30.1–40).

| Test | Factor | Permutation n | Total sum of squares | Within-group sum of squares | F | P (same) |
|--|----------|-----------------|----------------------|-----------------------------|--------|------------|
| <i>G. typus</i> – <i>R. australiae</i> | Site | 9999 | 14.91 | 14.85 | 0.901 | 0.4312 |
| | Zonation | 9999 | 14.91 | 14.88 | 0.4116 | 0.8151 |
| | Depth | 9999 | 14.91 | 14.86 | 0.5331 | 0.762 |
| All shark-ray | Site | 9999 | 41.65 | 41.39 | 1.516 | 0.0938 |
| | Zonation | 9999 | 41.65 | 41.42 | 1.301 | 0.1878 |
| | Depth | 9999 | 41.65 | 41.45 | 0.7849 | 0.7157 |

Table S2. Composition, n_{max} and relative abundance ($n_{max} \text{ h}^{-1}$) of other predator species (moray eels and barracudas) across all BRUV recordings.

| Species | n_{max} | Relative abundance h^{-1} |
|-----------------------------------|-----------|------------------------------------|
| <i>Echidna nebulosa</i> | 1 | 0.0016 |
| <i>Gymnothorax albimarginatus</i> | 1 | 0.0016 |
| <i>Gymnothorax isingteena</i> | 6 | 0.0096 |
| <i>Gymnothorax javanicus</i> | 16 | 0.0256 |
| <i>Gymnothorax undulatus</i> | 1 | 0.0016 |
| <i>Sphyraena barracuda</i> | 36 | 0.0577 |
| <i>Sphyraena obtusata</i> | 15 | 0.0240 |
| Unidentified Morray | 1 | 0.0016 |
| <i>Uropterygius marmoratus</i> | 3 | 0.0048 |