



Figure 3 | Diversity, sea surface temperature (SST) and human impact overlap. a–c, Relationship between mean normalized diversity and SST for (a) all taxa, (b) coastal taxa without pinnipeds (solid line and black points) and coastal taxa with pinnipeds (dashed line and grey points) and (c) oceanic taxa. Trends (red lines with grey 95% confidence limits) indicated by generalized additive model fit with basis 3. Taxon-specific plots provided in Supplementary Fig. 3. d, Histogram of diversity hotspots (10% of cells with highest mean richness from Fig. 2c, d) by human impact. For each cell, average human impact score calculated from ref. 10. The distribution of human impacts across all marine cells (black line) is provided for reference.