





**Fig. S1.** Presence plots of 7 fish species monitored around Heron Island Reef, Australia. Each grey and black point is a day an individual was detected at least twice in the Heron reef array. The red squares on each line represent the day an animal was tagged, and the end of expected battery life of the transmitter, corresponding to the end of the monitoring period. All detections, including those after the end of expected battery life have been included