

Supplementary Material

Figure S1. The relationship between the total number of *Sparisoma* recruits and small juveniles observed in 13 surveys and the number of 1-m² cells out of a total of 36 that were occupied at least once on each of nine quadrats. Recruits are shown as open circles and small juveniles as inverted triangles. The dotted line represents the median and the black solid lines represent the 2.5th and 97.5th percentiles of the number of cells that would have been expected to be occupied if all fish observed in a given quadrat after 13 surveys had been randomly and independently allocated to cells within the quadrat. Note that both axes are on a log₁₀ scale. For recruits, seven of nine quadrats were below the 2.5th percentile line. For small juveniles, four quadrats were on or below the 2.5th percentile line. Thus, although at least one third and often more than half of the 36 cells were occupied on each quadrat, some cells were occupied more frequently and others less frequently than expected by chance, especially by recruits.

