

Spatial distribution, microhabitat association, dependence to live corals, and habitat partitioning among five grouper species (family Epinephelidae) in an Okinawan coral reef

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Table 2. Results of statistical significance of feeding substrate selection of the 11 surgeonfish species calculated by resource selection ratio for the seven substrate types.
 N.S.: non-significant. - : no foraging behavior was observed for the substrates.

Substrate	<i>Ctenochaetus striatus</i> <i>n</i> = 41	<i>C. binotatus</i> <i>n</i> = 49	<i>Acanthurus nigrofuscus</i> <i>n</i> = 58	<i>A. lineatus</i> <i>n</i> = 32	<i>A. japonicus</i> <i>n</i> = 15	<i>A. dussumieri</i> <i>n</i> = 9	<i>A. nigricauda</i> <i>n</i> = 65	<i>Naso unicornis</i> <i>n</i> = 12	<i>N. lituratus</i> <i>n</i> = 42	<i>Zebrasoma scopas</i> <i>n</i> = 52	<i>Z. velifer</i> <i>n</i> = 35
Live corals	-	-	Negative	-	-	-	-	-	-	-	-
Dead corals	N.S.	N.S.	N.S.	-	N.S.	-	N.S.	-	Negative	Positive	Positive
Rock	Positive	Positive	Positive	Positive	Positive	N.S.	Negative	Positive	Positive	Positive	N.S.
Coral rubble	N.S.	N.S.	-	-	-	-	N.S.	N.S.	-	-	N.S.
Sand	-	-	-	-	-	-	Positive	-	-	-	-
Soft corals	-	-	-	-	-	-	-	-	-	-	-
Macroalgae	-	-	-	-	-	N.S.	-	-	-	-	-