

Table S3. Functional traits of herbivorous reef fishes in the Eastern Tropical Pacific

	Family	Species	Diet	Home range	Activity	Max. body size (lit)	Schooling	Trophic-functional group	Feeding territoriality
1	Acanthuridae	Acanthurus achilles	hd	mob	day	24.0	medg	browser	no
2	Acanthuridae	Acanthurus nigricans	hd	sed	day	21.3	smallg	cropper open surface	no
3	Acanthuridae	Acanthurus triostegus	hd	vmob	day	27.0	largeg	cropper open surface	no
4	Acanthuridae	Acanthurus xanthopterus	hd	mob	day	70.0	medg	cropper open surface	no
5	Scaridae	Calotomus carolinus	hd	mob	day	54.0	sol	browser	no
6	Chanidae	Chanos chanos	hd	vmob	both	180.0	medg	brusher	no
7	Acanthuridae	Ctenochaetus marginatus	om	sed	day	27.0	smallg	brusher	no
8	Kyphosidae	Girella simplicidens	om	vmob	day	46.0	medg	browser	no
9	Kyphosidae	Kyphosus sectatrix	hm	vmob	day	76.0	medg	browser	no
10	Balistidae	Melichthys niger	om	vmob	day	50.0	largeg	scraper	no
11	Pomacentridae	Microspathodon bairdii	hd	sed	day	25.0	sol	cropper open surface	yes
12	Pomacentridae	Microspathodon dorsalis	hd	sed	day	31.0	sol	cropper open surface	yes
13	Mugilidae	Mugil curema	hd	vmob	both	91.0	largeg	cropper open surface	no
14	Scaridae	Nicholsina denticulata	hm	mob	day	32.0	smallg	scraper	no
15	Blenniidae	Ophioblennius steindachneri	hd	sed	day	18.0	sol	cropper open surface	no
16	Acanthuridae	Prionurus laticlavus	hm	mob	day	60.0	smallg	browser	no
17	Acanthuridae	Prionurus punctatus	hm	mob	day	60.0	smallg	browser	no
18	Scaridae	Scarus compressus	hd	mob	day	68.0	smallg	scraper	no
19	Scaridae	Scarus ghobban	hd	mob	day	75.0	smallg	scraper	no
20	Scaridae	Scarus perrico	hd	mob	day	76.0	smallg	scraper	no
21	Pomacentridae	Stegastes acapulcoensis	om	sed	day	17.0	smallg	cropper open surface	yes
22	Pomacentridae	Stegastes arcifrons	om	sed	day	13.0	smallg	cropper open surface	yes
23	Pomacentridae	Stegastes beebei	om	sed	day	15.0	smallg	cropper open surface	yes
24	Pomacentridae	Stegastes flavilatus	om	sed	day	10.0	smallg	cropper open surface	yes
25	Pomacentridae	Stegastes rectifraenum	om	sed	day	13.5	smallg	browser	yes