

## Latitudinal variation in macroalgal consumption by fishes on the Great Barrier Reef

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*Marine Ecology Progress Series 426: 241–252 (2011)*

### Supplement. Additional data

Table S1. Names and coordinates of the 9 reefs used in the latitudinal comparison of macroalgal herbivory. Depth at high tide ranged from 3 to 3.5 m at all sites

Island group (Region)	Location	Latitude	Longitude	Direction (fetch km)
Low Isles (North)	Low Isles North	16° 22' 57" S	145° 33' 39" E	N
	Low Isles Point	16° 23' 51" S	145° 33' 18" E	NW
	Woody Island	16° 22' 52" S	145° 33' 57" E	NW
Whitsundays Islands (Central)	Bird Island	20° 05' 41" S	148° 52' 24" E	WSW
	Hayman Island	20° 04' 00" S	148° 54' 05" E	SE (0.48)
	Hook Island	20° 09' 56" S	148° 53' 06" E	WSW
Keppel Islands (South)	Halfway Island	23° 11' 54" S	150° 58' 12" E	NW
	Middle Island	23° 10' 11" S	150° 55' 28" E	SW
	Olive Point	23° 09' 42" S	150° 55' 11E	NE

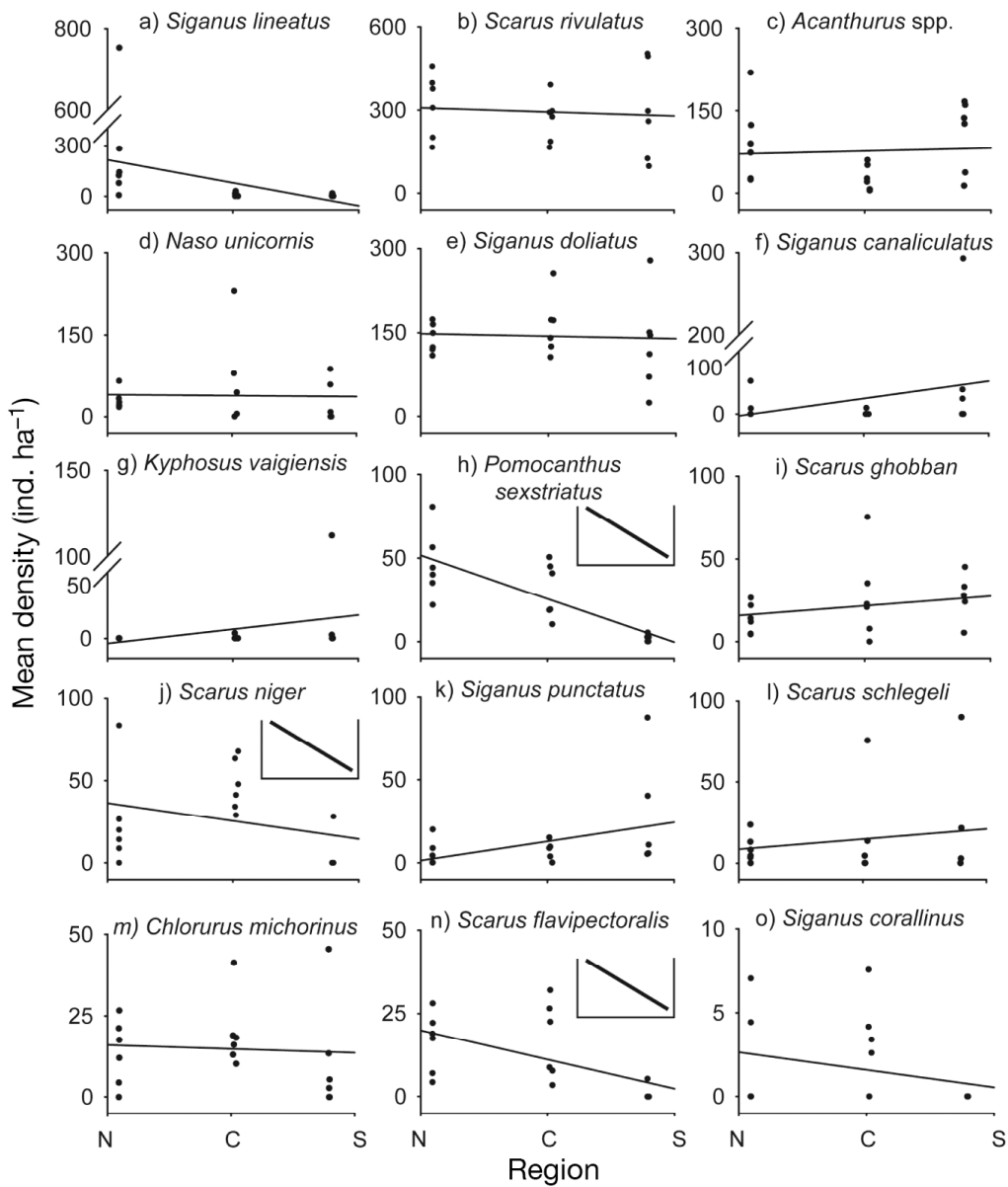


Fig. S1. Mean density of roving herbivores from 6 sites within the 3 latitudinal regions (n = 6 surveys site<sup>-1</sup>). Species are ordered (a–o) to represent greatest to least biomass observed at any 1 site. Inset diagrams indicate the shape best fit by the goodness-of-fit test, for significant results (p < 0.05)

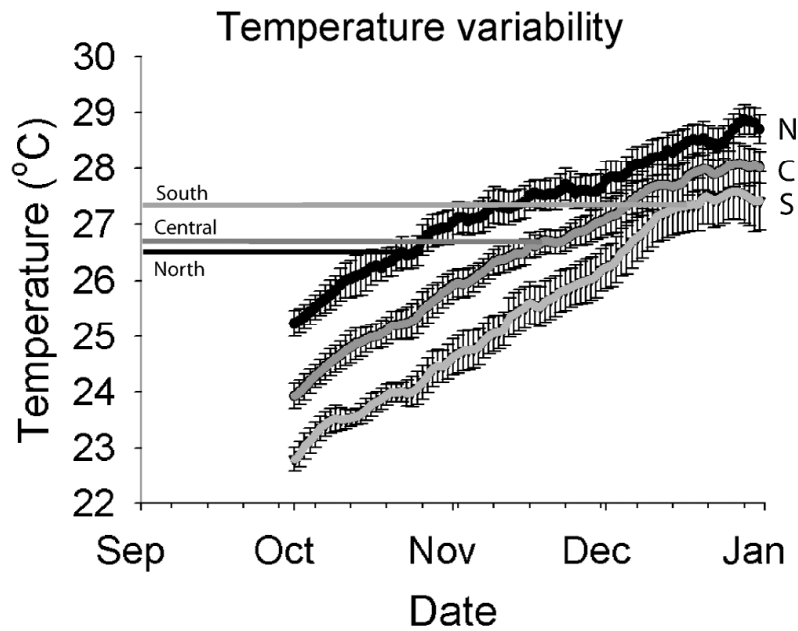


Fig. S2. Mean sea surface temperatures (SST) from sites around Cairns/Port Douglas, Whitsunday Islands and Keppel Islands inshore waters throughout the months of October, November and December. Daily values were averaged from 1995 to 2008. Horizontal lines indicate mean temperature in the middle of each field trip. Mean SSTs ( $\pm$  SE), throughout the specific field trip periods were: north =  $26.51 \pm 0.07^{\circ}\text{C}$ , central =  $26.47 \pm 0.04^{\circ}\text{C}$ , and south =  $26.97 \pm 0.08^{\circ}\text{C}$