

Table S4. Summary of previous dietary studies of the green turtle, *Chelonia mydas*. Values represent percent volume of each dietary category. Where quantitative estimates were not available †† indicates the dominant component, and * indicates presence as a minor component. Literature cited referenced in S6.

Life stage	Method	Sample Size	Seagrass	Macroalgae			Sponge	Other Invertebrate	Location	Source
				Chlorophyta	Rhodophyta	Phaeophyta				
Juvenile	Lavage	113	59.7	9.3	26.3				Moreton Banks, Queensland	Read & Limpus 2002
Juvenile	Lavage	127	25.5	14.3	62.7	1.8			Flathead Gutter, Queensland	Read & Limpus 2002
Juvenile	Lavage	20	45.7		47.3			6.8	Moreton Bay, Queensland	Brand-Gardner et al. 1999
Juvenile	Lavage	40	0.1	4	89.9	0.7	0.4	0.8	Florida	Gilbert et al. 2008
Juvenile	Lavage	108	81.8	0.5	13.9	0.9		0.5	Green Island, GBR	Fuentes et al. 2006
Subadult	Lavage	15		49.4	49.9		0.6		Baja California, Mexico	Lopez-Mendilaharsu et al. 2008
Subadult	Lavage	191	2.1	11.6	78	1.7		0.9	Hawaii	Arthur & Balazs 2008
Subadult /Adult	Lavage	146	85.5	< 1.0	9.4	< 1.0	< 1.0	1.3	Shoalwater Bay, Qld	Arthur et al. 2009
Subadult /Adult	Stomach content	243	88.6	3.1	4.8	0.3	0.9	0.4	Nicaragua	Mortimer 1981
Subadult /Adult	Lavage	408		30	38.6	29.5			Heron Island, GBR	Forbes 1996
Subadult /Adult	Stomach content	9	> 50	ca 15		ca 10			Oman	Ross 1985
Subadult /Adult	Crop contents	372	ca 4	ca 20	ca 65	ca 7			Kane'ohe Bay, Hawaii	Russell & Balazs 2009
Subadult /Adult	Lavage & faecal	101		4.4	90			2.9	Gulf of California, Mexico	Seminoff et al. 2002
Subadult Adult	Lavage	65		43.3	33.1	5.8		8.8	Galapagos Islands	Carrion-Cortez et al 2010
Adult	Stomach content	1		††		*			Tokelau	Balazs 1983