Supplementary Information

Comparative trophic ecology of Cape anchovy *Engraulis encrasicolus* and Natal anchovy *Stolephorus holodon* off South Africa's east coast

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Supplementary Table S1: Regressions used to calculate the dry and wet weights and carbon content of prey items recorded in the stomachs of *Engraulis encrasicolus* and *Stolephorus holodon* sampled off the east coast of South Africa. In the absence of taxon-specific regressions, those of the morphometrically most-similar taxa were applied. CC = carbon content; CL = carapace length; CW = carapace width; DM = dry mass; DW = dry weight; PL = prosome length; PW = prosome width; TL = total length; TW = total weight

Prey category	Included major taxa	Measurements	Weight (µg)–Length (µm) regression	Weight (µg)–Carbon content (µg)	Reference
Calanoida	Acartia Pontellidae Haloptilis Labidocear Subeucalanus Heterohabdus Euchaeta Eaugaptilus Temora Candacia Pleuramamma	TL, PL, PW	[1]ln(DW) = 2.74(PL) – 16.41	[2]0.424DW = CC	[1]Chisholm and Roff (1990); [2]van der Lingen (2002)
Cyclopoida	Oithona Sapphirina	TL, PL, PW	[1]ln(DW) = 1.96ln(PL) – 11.64	[2]0.424DW = CC	[1]Chisholm and Roff (1990); [2]van der Lingen (2002)
Harpacticoida	Euterpina Microsetella	TL, PL, PW	[3]ln(DW) = 1.96ln(PL) – 11.64	[2]0.424DW = CC	[3]Chisholm and Roff (1990), modified as in van der Lingen (2002); [2]van der Lingen (2002)
Poecilostomatoida	Corycaeus Oncaea Farranula	TL, PL, PW	[1]ln(DW) = 2.875ln(PL) – 7.458	[2]0.424DW = CC	[1]Chisholm and Roff (1990); [2]van der Lingen (2002)
Brachiopoda	Penillia Brachiopoda larvae	TL	DW = 3.946(TL mm)$^{2.438}$	0.415DW = CC	Beers (1966), as cited in James (1987)
Decapoda	Brachyura larvae *[1]* Luciferidae *[2]* Thalassinidea *[3]* Anomura *[4]*	TL, CL, CW	ln(DW) = 2.58ln(CL mm) + 2.04 *[1]* ln(DW) = 2.35ln(CL mm) + 1.74 *[2]* ln(DW) = 2.73ln(CL mm) + 1.82 *[3]* ln(DW) = 2.35ln(CL mm) + 1.74 *[4]*	0.349DW = CC	Lindley (1998)
Euphausiidae	Euphausiid larvae	TL	[4]ln(DW) = 0.456 + 0.8ln(TL)	[2]0.424DW = CC	[4]Lindley et al. (1999); [2]van der Lingen (2002)
Cirripedia	Barnacle cypris	TL	DW = 80.627(TL)$^{4.27}$	0.415DW = CC	James (1987)
Monstrilloida	Monstrilloida	TL	[1]ln(DW) = 1.96ln(PL) – 11.64	[2]0.424DW = CC	Harpacticoid regressions used

Amphipoda	Amphipod	TL	[5]ln(DW) = 3.015ln(TL mm) – 5.15	[6]0.370DW = CC	[5]Benke et al. (1999); [6]Espinoza and Bertrand (2008)
Fish eggs	*Engraulis* eggs	TL, TW	[2]DW = 0.093(vol) + 0.0012 [2]Vol = 4/3π(TW) 3 + πr 2 (TL – 500)	[7]0.457DW = CC	[2]van der Lingen (2002); [7]Napier (1993)
Tunicata	Thalliacean	TL	[8]DW = 11.3(TL)$^{1.77}$	[9]0.387DW = CC	[8]Heron et al. (1988); [9]Deibel (1986)
Chaetognatha	Chaetognatha	TL	ln(DW µg) = 3.24ln(TL mm) – 0.975	3.16ln(TL mm) – 1.29 = ln(CC)	Uye (1982)

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