

## Dataset S4. Standard and routine respiration rates in aquatic invertebrates

Notes to Table S4:

**Group (as shown in Table 1 in the paper):** I – copepods & krill (also includes seven branchiopods and two *Balanus* spp.), Crustacea; II – peracarids (amphipods, isopods, mysids, two cumaceans, as well as five (non-peracarid) ostracod species), Crustacea; III – decapods, Crustacea; IV – cephalopods, Mollusca; V – gelatinous invertebrates: chaetognaths and medusae.

**Higher taxon, Family:** taxonomic status, including family, was determined from various sources, including PubMed Taxonomy; World of Copepods (Smithsonian National Museum of Natural History), Integrated Taxonomic Information System ([www.itis.gov](http://www.itis.gov)) and metabolic data sources. Table S4 should NOT, however, be used as an authoritative reference for detailed invertebrate taxonomy.

**MIN:** for each species, indicates the minimum value of mass-specific metabolic rate corresponding to 25 °C. Data from rows marked “MIN” were used in the analyses shown in Table 1 and Figures 1-3 in the paper (a total of 376 values for 376 species).

**qWkg** is standard or routine respiration rate converted to  $W$  ( $\text{kg WM}^{-1}$ ) (Watts per kg wet mass) using the energy conversion factor of  $1 \text{ ml O}_2 = 20 \text{ J}$ . For crustaceans, the basis for this data set was formed by the data base of Alekseeva (2001) deposited at Koltzov Institute of Developmental Biology, Moscow, Russia and kindly provided to the authors by T.A. Alekseeva. This database contained 200 species, to which about one hundred species was added by the present authors by literature search. Usually, in metabolic studies animals were kept in filtered water for 12-24 hours or until their guts were empty. However, for some species, especially small marine ones (Ikeda & Skjoldal 1982) it was not possible to ensure that stomachs were empty. Where possible, respiration rates were measured on calm inactive animals. For each species, the minimum reported value was always used. To get an idea of how the reported metabolic rates are elevated above the "true" standard metabolic rate (sensu, e.g., Steffensen 2002), see SI Methods. Taking into account that in copepods the dry mass to wet mass ratio is somewhat less than the crude mean of 0.3 applied throughout the analysis (see SI Methods, Table S12a) (copepod DM/WM is about 0.17-0.20, see column WC below), even if "true" standard metabolic rate is approximately twice less than the measured group mean, while DM/WM ratio is about 1.5-2 times lower than 0.3, this means that if correction is made for the lower DM/WM content in copepods, our value of  $3 \text{ W kg}^{-1}$  is comparable to the other group means in the database. In gelatinous species (group V) (medusae and chaetognaths) with DM/WM ratio significantly smaller (by 7 and 3 times, respectively (Ikeda & Skjoldal 1989; Hirst & Lucas 1998)) than the crude mean DM/WM = 0.3 for the non-gelatinous groups, wet-mass based metabolic rates were multiplied by a factor of 7 and 3, respectively, to be comparable with the rest of the data base analysed assuming DM/WM = 0.3. For these species qWkg stands for the actual value multiplied by the corresponding factor (7 or 3). In cephalopods, minimum mass-specific metabolic rates for each of the 38 species studied by Seibel (2007) were included into the analysis. The data base of Seibel (2007) contains 218 values for 38 species, of which only minimum values for each species are reported here, those used for the analysis.

**TC** is ambient temperature during measurements, degrees Celsius.

**q25Wkg** is metabolic rate converted to 25 °C using  $Q_{10} = 2$ ,  $q25Wkg = qWkg \times 2^{(25 - TC)/10}$ , dimension W (kg WM)<sup>-1</sup>. For each species rows are arranged in the order of increasing **q25Wkg**.

**Mg** is wet body mass in grams; **DMg** is dry body mass in grams; **N/DM** is the nitrogen to dry mass ratio, where available; **WC** is water content in wet mass, %:  $WC = (1 - DM/WM) \times 100$ , values with questions (e.g., ?80) indicate that **qWkg** was obtained from dry-mass based measurements using an assumed WC determined from a different source than the source of metabolic data for that species.

Group	Higher Taxon	Family	Species	MIN	q25Wkg	qWkg	Mg	TC	DMg	N/DM	WC	Source
I	1.Copepoda	Acartiidae	Acartia clausi	MIN	5.2520	2.626	0.0000275	15	0.0000055		80	Nival et al. 1972
I	2.Copepoda	Acartiidae	Acartia clausi		7.5	2.0	0.000025	5.9	0.0000049		?80	Conover 1960
I	3.Copepoda	Acartiidae	Acartia clausi		8.3145	4.1	0.0000425	14.8	0.0000085		?80	Ikeda et al. 2001
I	4.Copepoda	Acartiidae	Acartia clausi		13.6	3.4	0.000021	5	0.0000041		?80	Conover 1960
I	5.Copepoda	Acartiidae	Acartia clausi		14.4	3.6	0.000024	5	0.0000047		?80	Conover 1960
I	6.Copepoda	Acartiidae	Acartia clausi		15.8	4.2	0.000022	5.9	0.0000044		?80	Conover 1960
I	7.Copepoda	Acartiidae	Acartia clausi		16.3	4.25	0.000037	5.6	0.0000073		?80	Conover 1960
I	8.Copepoda	Acartiidae	Acartia clausi		17.6	4.4	0.000036	5	0.0000072		?80	Conover 1960
I	9.Copepoda	Acartiidae	Acartia latisetosa	MIN	11.7	8.3	0.0000297	20				Pavlova 1961
I	10.Copepoda	Acartiidae	Acartia longiremis	MIN	11.1665	3.84	0.0000405	9.6	0.0000081		?80	Ikeda et al. 2001
I	11.Copepoda	Acartiidae	Acartia pacifica	MIN	6.1580	6.6	0.000039	26	0.0000078		?80	Ikeda et al. 2001
I	12.Copepoda	Acartiidae	Acartia tonsa	MIN	10.9572	8.9	0.000035	22	0.000007		?80	Ikeda et al. 2001
I	13.Copepoda	Arietellidae	Arietellus cf. plumifer	MIN	0.880	0.220	0.0095	5				Thuesen et al. 1998
I	14.Copepoda	Megacalanidae	Bathycalanus bradyi	MIN	0.5788	0.135	0.0299	4	0.0084	0.069	72	Childress 1975
I	15.Copepoda	Megacalanidae	Bathycalanus bradyi		0.816	0.204	0.0555	5				Thuesen et al. 1998
I	16.Copepoda	Megacalanidae	Bathycalanus bradyi		1.5862	0.370	0.0299	4	0.0084	0.069	72	Childress 1975
I	17.Copepoda	Megacalanidae	Bathycalanus bradyi		0.736	0.184	0.0756	5				Thuesen et al. 1998
I	18.Copepoda	Megacalanidae	Bathycalanus bradyi		1.071	0.210	0.0530	1.5				Thuesen et al. 1998
I	19.Copepoda	Megacalanidae	Bathycalanus princeps	MIN	0.2280	0.059	0.0355	5.5	0.0070	0.096	80.2	Childress 1975
I	20.Copepoda	Megacalanidae	Bathycalanus princeps		1.2634	0.327	0.0355	5.5	0.0070	0.096	80.2	Childress 1975
I	21.Copepoda	Megacalanidae	Bathycalanus richard	MIN	0.732	0.183	0.0380	5				Thuesen et al. 1998
I	22.Copepoda	Megacalanidae	Bathycalanus richardi		0.532	0.133	0.0560	5				Thuesen et al. 1998
I	23.Copepoda	Megacalanidae	Bathycalanus richardi		1.193	0.234	0.0377	1.5				Thuesen et al. 1998
I	24.Copepoda	Megacalanidae	Bathycalanus sp.	MIN	1.67	0.42	0.0895	5.1	0.0179		?80	Conover 1960
I	25.Copepoda	Megacalanidae	Bathycalanus sp. A	MIN	0.816	0.204	0.0572	5				Thuesen et al. 1998
I	26.Copepoda	Calanidae	Calanoides acutus	MIN	0.9108	0.161	0.003329	0	0.00079		76.3	Kawall et al. 2001
I	27.Copepoda	Calanidae	Calanoides acutus		3.3841	0.59	0.002	-0.2	0.000394		?80	Ikeda et al. 2001
I	28.Copepoda	Calanidae	Calanoides acutus		3.8652	0.66	0.0011	-0.5	0.000218		?80	Ikeda et al. 2001
I	29.Copepoda	Pontellidae	Calanopia elliptica	MIN	4.7079	5.56	0.00028	27.4	0.000056		?80	Ikeda et al. 2001
I	30.Copepoda	Calanidae	Calanus cristatus	MIN	2.8473	1.094	0.00862	11.2	0.00169			Ikeda 1971
I	31.Copepoda	Calanidae	Calanus cristatus		2.9639	1.100	0.00908	10.7	0.00178			Ikeda 1971
I	32.Copepoda	Calanidae	Calanus cristatus		3.1012	1.167	0.00704	10.9	0.00138			Ikeda 1971
I	33.Copepoda	Calanidae	Calanus cristatus		6.0946	1.850	0.00918	7.8	0.0018			Ikeda 1971
I	34.Copepoda	Calanidae	Calanus cristatus		7.0211	2.161	0.00755	8	0.00148			Ikeda 1971
I	35.Copepoda	Calanidae	Calanus cristatus		7.4097	2.394	0.0076	8.7	0.00149			Ikeda 1971
I	36.Copepoda	Calanidae	Calanus finmarchicus	MIN	1.6	0.50	0.0017	8	0.000344		?80	Conover 1960
I	37.Copepoda	Calanidae	Calanus finmarchicus		3.6	1.06	0.00094	7.5	0.000188		?80	Conover 1960

I	38.Copepoda	Calanidae	Calanus finmarchicus		7	1.25	0.0015	0.1	0.000387	0.0763	73.5	Ikeda & Skjoldal 1989
I	39.Copepoda	Calanidae	Calanus glacialis	MIN	7.8	1.73	0.002	3.5	0.000410	0.1121	79.7	Ikeda & Skjoldal 1989
I	40.Copepoda	Calanidae	Calanus glacialis		7.83	1.34	0.0024	-0.5	0.000662	0.0969	76.6	Ikeda & Skjoldal 1989
I	41.Copepoda	Calanidae	Calanus helgolandicus	MIN	7.8180	3.909	0.000415	15	0.000086		83	Nival et al. 1972
I	42.Copepoda	Calanidae	Calanus helgolandicus		12.6912	4.487	0.000595	10	0.000119		80	Nival et al. 1972
I	43.Copepoda	Calanidae	Calanus hyperboreus	MIN	1.05	0.37	0.013	10	0.00368		??1	Conover 1960
I	44.Copepoda	Calanidae	Calanus hyperboreus		1.36	0.48	0.012	10	0.00362		??1	Conover 1960
I	45.Copepoda	Calanidae	Calanus hyperboreus		2.23	0.79		10	0.00155		??1	Conover 1960
I	46.Copepoda	Calanidae	Calanus hyperboreus		3.7	0.67	0.012	1.3	0.00395	0.0715	68	Ikeda & Skjoldal 1989
I	47.Copepoda	Calanidae	Calanus hyperboreus		3.72	0.70	0.0081	0.9	0.00194	0.0737	76.1	Ikeda & Skjoldal 1989
I	48.Copepoda	Calanidae	Calanus hyperboreus		3.9	0.68	0.0085	-0.3	0.00268	0.0670	68.6	Ikeda & Skjoldal 1989
I	49.Copepoda	Calanidae	Calanus pacificus	MIN	8.3190	4.778	0.000513	17	0.00009		82.5	Ikeda 1970
I	50.Copepoda	Calanidae	Calanus propinquus	MIN	1.6631	0.294	0.004718	0	0.00101		78.5	Kawall et al. 2001
I	51.Copepoda	Calanidae	Calanus propinquus		5.4	0.89	0.0042	-1	0.000847	0.123	??80	Ikeda & Mitchell 1982
I	52.Copepoda	Calanidae	Calanus propinquus		7.0936	1.17	0.0056	-1	0.00104	0.125	81.4	Ikeda 1988
I	53.Copepoda	Calanidae	Calanus propinquus		7.6	1.26	0.0052	-1	0.00104	0.125	??80	Ikeda & Mitchell 1982
I	54.Copepoda	Calanidae	Calanus tonsus	MIN	13.2049	2.178	0.001	-1	0.0002		90	Opalinski 1991
I	55.Copepoda	Calanidae	Calanus vulgaris	MIN	16.6955	23.611	0.00106	30	0.00022		79.2	Ikeda 1970
I	56.Copepoda	Candaciidae	Candacia aethiopica	MIN	16.4076	21.278	0.00046	28.75	0.000065		85.9	Ikeda 1970
I	57.Copepoda	Candaciidae	Candacia columbiae	MIN	0.7091	0.194	0.00367	6.3	0.00042		88.6	Ikeda 1970
I	58.Copepoda	Candaciidae	Candacia columbiae		1.9341	0.544	0.00312	6.7	0.0006		80.8	Ikeda 1970
I	59.Copepoda	Candaciidae	Candacia sp.	MIN	20.4300	10.215	0.000155	15	0.000031		80	Nival et al. 1972
I	60.Copepoda	Centropagidae	Centropages abdominalis	MIN	10.5227	5.6	0.000085	15.9	0.000017		??80	Ikeda et al. 2001
I	61.Copepoda	Centropagidae	Centropages brachiatus	MIN	13.4364	6.4	0.0001	14.3	0.00002		??80	Ikeda et al. 2001
I	62.Copepoda	Centropagidae	Centropages kroyeri	MIN	9.4	6.7	0.000039	20				Pavlova 1961
I	63.Copepoda	Centropagidae	Centropages trispinosus	MIN	34.6199	24.48	0.000066	20				Rajagopal 1962
I	64.Copepoda	Centropagidae	Centropages trispinosus		35.5964	46.97	0.000066	29	0.000013		80.4	Rajagopal 1962
I	65.Copepoda	Clausocalanidae	Clausocalanus furcatus	MIN	20.844	14.739	0.000019	20				Pavlova 1975
I	66.Copepoda	Halocyprididae	Conchoecia sp.	MIN	17.709	12.522	0.000045	20				Pavlova 1975
I	67.Copepoda	Corycaeidae	Corycaeus typicus	MIN	7.7660	3.883	0.0000515	15	0.0000103		80	Nival et al. 1972
I	68.Copepoda	Heterorhabdidae	Disseta grandis	MIN	0.692	0.173	0.0114	5				Thuesen et al. 1998
I	69.Copepoda	Heterorhabdidae	Disseta scopularis	MIN	0.332	0.083	0.0195	5				Thuesen et al. 1998
I	70.Copepoda	Heterorhabdidae	Disseta scopularis		0.693	0.136	0.0257	1.5				Thuesen et al. 1998
I	71.Copepoda	Aetideidae	Euatideus giesbrechti	MIN	5.940	4.200	0.000215	20				Pavlova 1975
I	72.Copepoda	Augaptilidae	Euaugaptilus antarcticus	MIN	0.512	0.128	0.0225	5				Thuesen et al. 1998
I	73.Copepoda	Augaptilidae	Euaugaptilus magnus	MIN	0.288	0.072	0.0309	5				Thuesen et al. 1998
I	74.Copepoda	Augaptilidae	Euaugaptilus nodifrons	MIN	0.280	0.070	0.0597	5				Thuesen et al. 1998
I	75.Copepoda	Eucalanidae	Eucalanus attenuatus	MIN	2.3980	1.199	0.001389	15	0.00025		82	Nival et al. 1972
I	76.Copepoda	Eucalanidae	Eucalanus attenuatus		6.2151	7.34	0.000685	27.4	0.000137		??80	Ikeda et al. 2001
I	77.Copepoda	Eucalanidae	Eucalanus bungii	MIN	1.8496	0.506	0.00822	6.3	0.00093		88.7	Ikeda 1970
I	78.Copepoda	Eucalanidae	Eucalanus bungii		2.2367	0.589	0.00807	5.75	0.00081		90	Ikeda 1970
I	79.Copepoda	Eucalanidae	Eucalanus bungii		3.2470	0.87	0.005	6	0.00101		??80	Ikeda et al. 2001
I	80.Copepoda	Eucalanidae	Eucalanus crassus	MIN	10.8093	15.500	0.00207	30.2	0.00036		82.6	Ikeda 1970
I	81.Copepoda	Eucalanidae	Eucalanus elongatus	MIN	1.870	1.322	0.001786	20				Pavlova 1975
I	82.Copepoda	Eucalanidae	Eucalanus elongatus		5.2060	2.603	0.00054	15	0.000108		80	Nival et al. 1972
I	83.Copepoda	Eucalanidae	Eucalanus marina	MIN	8.4832	10.444	0.00143	28	0.000234		83.7	Ikeda 1970
I	84.Copepoda	Eucalanidae	Eucalanus marina		11.6954	15.167	0.00082	28.75	0.000119		85.5	Ikeda 1970
I	85.Copepoda	Eucalanidae	Eucalanus monachus	MIN	16.8143	24.111	0.00145	30.2	0.00022		79.2	Ikeda 1970
I	86.Copepoda	Eucalanidae	Eucalanus mucronatus	MIN	3.8106	5.389	0.00072	30	0.00018		80.6	Ikeda 1970
I	87.Copepoda	Eucalanidae	Eucalanus subcrassus	MIN	7.5024	7.0	0.00052	24	0.000104		??80	Ikeda et al. 2001
I	88.Copepoda	Eucalanidae	Eucalanus subcrassus		18.2278	12.89	0.000191	20				Rajagopal 1962
I	89.Copepoda	Eucalanidae	Eucalanus subcrassus		19.0457	25.13	0.000191	29	0.0000375		80.4	Rajagopal 1962

I	90.Copepoda	Euchaetidae	Euchaeta antarctica	MIN	1.0069	0.178	0.003	0	0.0006	80	Opalinski 1991	
I	91.Copepoda	Euchaetidae	Euchaeta marina	MIN	5.4660	5.1	0.00146	24	0.000291	?80	Ikeda et al. 2001	
I	92.Copepoda	Euchaetidae	Euchaeta plana	MIN	1.1160	0.7891	0.003	20			Opalinski 1991	
I	93.Copepoda	Euchaetidae	Euchaeta plana		12.3641	15.222	0.00095	28	0.000158	83.4	Ikeda 1970	
I	94.Copepoda	Lucicitiidae	Euchirella amoena	MIN	9.1606	11.278	0.00266	28	0.00056	79	Ikeda 1970	
I	95.Copepoda	Lucicitiidae	Euchirella bitumida	MIN	1.196	0.299	0.0094	5			Thuesen et al. 1998	
I	96.Copepoda	Lucicitiidae	Euchirella bitumida		1.417	0.278	0.0128	1.5			Thuesen et al. 1998	
I	97.Copepoda	Lucicitiidae	Euchirella maxima	MIN	1.012	0.253	0.0188	5			Thuesen et al. 1998	
I	98.Copepoda	Lucicitiidae	Euchirella rostrata	MIN	3.2340	1.617	0.00158	15	0.000316	80	Nival et al. 1972	
I	99.Copepoda	Lucicitiidae	Euchirella rostrata		4.3	1.2	0.0045	6.5	0.000890	?80	Conover 1960	
I	100.Copepoda	Lucicitiidae	Euchirella rostrata		4.5	1.25	0.0041	6.5	0.000820	?80	Conover 1960	
I	101.Copepoda	Lucicitiidae	Euchirella rostrata		5.7	1.6	0.0047	6.5	0.000947	?80	Conover 1960	
I	102.Copepoda	Tachidiidae	Euterpina acutifrons	MIN	6.0220	3.011	0.0000107	15	0.00000214	80	Nival et al. 1972	
I	103.Copepoda	Aetideidae	Gaetanus antarcticus	MIN	0.459	0.090	0.0257	1.5			Thuesen et al. 1998	
I	104.Copepoda	Aetideidae	Gaetanus antarcticus		0.628	0.157	0.0257	5			Thuesen et al. 1998	
I	105.Copepoda	Aetideidae	Gaetanus kruppi	MIN	0.688	0.172	0.0072	5			Thuesen et al. 1998	
I	106.Copepoda	Aetideidae	Gaetanus pileatus	MIN	2.132	0.533	0.0085	5			Thuesen et al. 1998	
I	107.Copepoda	Aetideidae	Gaetanus tenuispinus	MIN	0.3168	0.056	0.00364	0	0.00545	85.0	Kawall et al. 2001	
I	108.Copepoda	Metridiidae	Gaussia princeps	MIN	0.2925	0.084	0.0328	7	0.0054	0.098	83.7	Childress 1975
I	109.Copepoda	Metridinidae	Gaussia princeps		0.956	0.239	0.0356	5			Thuesen et al. 1998	
I	110.Copepoda	Metridinidae	Gaussia princeps		1.5008	0.431	0.0328	7	0.0054	0.098	83.7	Childress 1975
I	111.Copepoda	Metridinidae	Gaussia princeps (males)		1.032	0.258	0.0346	5			Thuesen et al. 1998	
I	112.Copepoda	Augaptilidae	Haloptilus longicornis	MIN	1.706	1.206	0.00022	20			Pavlova 1975	
I	113.Copepoda	Augaptilidae	Haloptilus longicornis		3.244	2.294	0.00016	20			Pavlova 1975	
I	114.Copepoda	Heterorhabdidae	Hemirhabdus grimaldii	MIN	0.252	0.063	0.0382	5			Thuesen et al. 1998	
I	115.Copepoda	Heterorhabdidae	Heterorhabdus farrani	MIN	2.2062	0.39	0.003215	0	0.00034	89.5	Kawall et al. 2001	
I	116.Copepoda	Pontellidae	Labidocera acuta	MIN	7.8458	10	0.00114	28.5	0.000228	?80	Ikeda et al. 2001	
I	117.Copepoda	Pontellidae	Labidocera acuta		9.6460	9.0	0.00117	24	0.000233	?80	Ikeda et al. 2001	
I	118.Copepoda	Pontellidae	Labidocera acuta		11.3533	16.056	0.00099	30	0.00017	82.8	Ikeda 1970	
I	119.Copepoda	Pontellidae	Labidocera detruncata	MIN	34.8814	42.944	0.00093	28	0.00015	83.9	Ikeda 1970	
I	120.Copepoda	Pontellidae	Labidocera jollae	MIN	3.7538	2.156	0.042	17	0.00645	84.5	Childress 1975	
I	121.Copepoda	Pontellidae	Labidocera jollae		3.8414	2.7163	0.0416	20			Childress 1975	
I	122.Copepoda	Pontellidae	Labidocera sp.	MIN	12.8849	18.222	0.00082	30	0.00018	78	Ikeda 1970	
I	123.Copepoda	Scolecithricidae	Landrumius gigas		1.136	0.284	0.0309	5			Thuesen et al. 1998	
I	124.Copepoda	Lucicitiidae	Lucicutia bicornuta	MIN	0.548	0.137	0.0105	5			Thuesen et al. 1998	
I	125.Copepoda	Lucicitiidae	Lucicutia flavicornis	MIN	8.085	5.717	0.000129	20			Pavlova 1975	
I	126.Copepoda	Lucicitiidae	Lucicutia maxima	MIN	0.696	0.174	0.0118	5			Thuesen et al. 1998	
I	127.Copepoda	Lucicitiidae	Lucicutia maxima		0.749	0.147	0.0147	1.5			Thuesen et al. 1998	
I	128.Copepoda	Lucicitiidae	Lucicutia maxima		0.973	0.344	0.0104	10			Thuesen et al. 1998	
I	129.Copepoda	Megacalanidae	Megacalanus princeps	MIN	0.820	0.205	0.0556	5			Thuesen et al. 1998	
I	130.Copepoda	Megacalanidae	Megacalanus sp. A	MIN	0.880	0.220	0.0349	5			Thuesen et al. 1998	
I	131.Copepoda	Megacalanidae	Megacalanus sp. A		0.744	0.186	0.0345	5			Thuesen et al. 1998	
I	132.Copepoda	Megacalanidae	Megacalanus sp. A		0.918	0.180	0.0356	1.5			Thuesen et al. 1998	
I	133.Copepoda	Megacalanidae	Megacalanus sp. A		1.071	0.210	0.0345	1.5			Thuesen et al. 1998	
I	134.Copepoda	Megacalanidae	Megacalanus sp. A		1.321	0.467	0.0326	10			Thuesen et al. 1998	
I	135.Copepoda	Megacalanidae	Megacalanus sp. B	MIN	0.640	0.160	0.0372	5			Thuesen et al. 1998	
I	136.Copepoda	Calanidae	Mesocalanus tenuicornis	MIN	14.9269	7.889	0.000155	15.8	0.000031	?80	Ikeda et al. 2001	
I	137.Copepoda	Metridinidae	Metridia gerlachei	MIN	2.3250	0.411	0.001409	0	0.00025	82.2	Kawall et al. 2001	
I	138.Copepoda	Metridinidae	Metridia gerlachei		6.7	1.1	0.0011	-1	0.000214	0.111	?80	Ikeda & Mitchell 1982
I	139.Copepoda	Metridinidae	Metridia gerlachei		8.3526	1.34	0.0013	-1.4	0.000265	0.114	?80	Ikeda & Mitchell 1982
I	140.Copepoda	Metridinidae	Metridia longa	MIN	8.2	1.46	0.00155	0.1	0.000353	0.1044	77.2	Ikeda & Skjoldal 1989
I	141.Copepoda	Metridinidae	Metridia pacifica	MIN	4.2937	1.34	0.00074	8.2	0.000148	?80	Ikeda et al. 2001	

I	142. Copepoda	Metridinidae	Metridia pacifica		7.4436	3.24	0.00047	13	0.000094	?	Ikeda et al. 2001
I	143. Copepoda	Metridinidae	Metridia princeps	MIN	0.808	0.202	0.0111	5			Thuesen et al. 1998
I	144. Copepoda	Metridinidae	Metridia princeps		1.300	0.255	0.0125	1.5			Thuesen et al. 1998
I	145. Copepoda	Calanidae	Nannocalanus minor	MIN	5.0843	5.8	0.0002	26.9	0.00004	?	Ikeda et al. 2001
I	146. Copepoda	Calanidae	Neocalanus cristatus	MIN	0.5466	0.111	0.023	2	0.00832	0.0675	63.9 Ikeda et al. 2004
I	147. Copepoda	Calanidae	Neocalanus cristatus		0.5762	0.117	0.0172	2	0.00611	0.0833	63.7 Ikeda et al. 2004
I	148. Copepoda	Calanidae	Neocalanus cristatus		0.6008	0.122	0.0264	2	0.00933	0.0741	64.5 Ikeda et al. 2004
I	149. Copepoda	Calanidae	Neocalanus cristatus		0.6550	0.133	0.0242	2	0.00797	0.0586	67.2 Ikeda et al. 2004
I	150. Copepoda	Calanidae	Neocalanus cristatus		0.6550	0.133	0.0269	2	0.00908	0.0609	65.6 Ikeda et al. 2004
I	151. Copepoda	Calanidae	Neocalanus cristatus		0.6845	0.139	0.021	2	0.0068	0.0754	67.6 Ikeda et al. 2004
I	152. Copepoda	Calanidae	Neocalanus cristatus		0.7387	0.150	0.0236	2	0.00865	0.0689	63.5 Ikeda et al. 2004
I	153. Copepoda	Calanidae	Neocalanus cristatus		0.7929	0.161	0.0260	2	0.010	0.0687	61.3 Ikeda et al. 2004
I	154. Copepoda	Calanidae	Neocalanus cristatus		0.8470	0.172	0.0195	2	0.00579	0.0810	70.3 Ikeda et al. 2004
I	155. Copepoda	Calanidae	Neocalanus cristatus		0.8470	0.172	0.0221	2	0.00727	0.0697	67.8 Ikeda et al. 2004
I	156. Copepoda	Calanidae	Neocalanus cristatus		0.9012	0.183	0.0206	2	0.00355	0.0901	82.9 Ikeda et al. 2004
I	157. Copepoda	Calanidae	Neocalanus cristatus		0.9195	0.283	0.0192	8	0.00209	0.104	89.4 Ikeda et al. 2004
I	158. Copepoda	Calanidae	Neocalanus cristatus		0.9554	0.194	0.0299	2	0.00663	0.085	77.7 Ikeda et al. 2004
I	159. Copepoda	Calanidae	Neocalanus cristatus		1.2016	0.244	0.0153	2	0.00265	0.0863	83.1 Ikeda et al. 2004
I	160. Copepoda	Calanidae	Neocalanus cristatus		1.2241	0.328	0.0166	6	0.00172	0.0960	89.8 Ikeda et al. 2004
I	161. Copepoda	Calanidae	Neocalanus cristatus		1.2607	0.256	0.0226	2	0.00618	0.0685	72.2 Ikeda et al. 2004
I	162. Copepoda	Calanidae	Neocalanus cristatus		2.2161	0.450	0.0202	2	0.00524	0.0775	74.1 Ikeda et al. 2004
I	163. Copepoda	Calanidae	Neocalanus cristatus		2.2456	0.456	0.0090	2	0.0017	0.108	81.5 Ikeda et al. 2004
I	164. Copepoda	Calanidae	Neocalanus cristatus		4.2767	1.17	0.008	6.3	0.001587	?	Ikeda et al. 2001
I	165. Copepoda	Calanidae	Neocalanus gracilis	MIN	5.2559	3.64	0.0025	19.7	0.0005	?	Ikeda et al. 2001
I	166. Copepoda	Calanidae	Neocalanus gracilis		6.2275	7.667	0.00212	28	0.00039	81.6	Ikeda 1970
I	167. Copepoda	Calanidae	Neocalanus plumchrus	MIN	3.2741	0.96	0.004	7.3	0.000785	?	Ikeda et al. 2001
I	168. Copepoda	Calanidae	Neocalanus plumchrus		4.1710	2.1	0.0015	15.1	0.000294	?	Ikeda et al. 2001
I	169. Copepoda	Calanidae	Neocalanus plumchrus		4.5277	1.18	0.0013	5.6	0.000263	?	Ikeda et al. 2001
I	170. Copepoda	Oithonidae	Oithona davisae	MIN	9.8500	9.85	0.0000030	25	0.000000575	81	Castellani et al. 2005
I	171. Copepoda	Oithonidae	Oithona minuta	MIN	29.9	21.1	0.0000039	20			Pavlova 1961
I	172. Copepoda	Oithonidae	Oithona nana	MIN	17.2360	7.0	0.0000026	12	0.0000005	81	Castellani et al. 2005
I	173. Copepoda	Oithonidae	Oithona plumifera	MIN	1.9292	1.8	0.0000089	24	0.0000017	81	Castellani et al. 2005
I	174. Copepoda	Oithonidae	Oithona setigera	MIN	6.4306	6.0	0.0000086	24	0.0000016	81	Castellani et al. 2005
I	175. Copepoda	Oithonidae	Oithona similis	MIN	0.4800	0.48	0.0000007	25	0.0000014	?	Castellani et al. 2005
I	176. Copepoda	Oithonidae	Oithona similis		7.8000	7.8	0.0000007	25	0.0000014	?	Castellani et al. 2005
I	177. Copepoda	Oithonidae	Oithona tenuis	MIN	5.8948	5.5	0.0000067	24	0.0000013	81	Castellani et al. 2005
I	178. Copepoda	Oncaeididae	Oncaea conifera	MIN	5.665	4.006	0.000006	20			Pavlova 1975
I	179. Copepoda	Oncaeididae	Oncaea mediterranea	MIN	6.655	4.706	0.0000062	20			Pavlova 1975
I	180. Copepoda	Phaennidae	Onchocalanus magnus	MIN	1.680	0.420	0.0124	5			Thuesen et al. 1998
I	181. Copepoda	Augauptiliidae	Pachyptilus pacificus	MIN	0.692	0.173	0.0158	5			Thuesen et al. 1998
I	182. Copepoda	Augauptiliidae	Pachyptilus pacificus		0.795	0.156	0.0158	1.5			Thuesen et al. 1998
I	183. Copepoda	Paracalanidae	Paracalanus parvus	MIN	19.5556	9.06	0.000019	13.9	0.0000038	?	Ikeda et al. 2001
I	184. Copepoda	Euchaetidae	Paraeuchaeta antarctica	MIN	0.7241	0.128	0.019551	0	0.004	79.3	Kawall et al. 2001
I	185. Copepoda	Euchaetidae	Paraeuchaeta birostrata	MIN	1.021	0.361	0.0129	10			Thuesen et al. 1998
I	186. Copepoda	Euchaetidae	Paraeuchaeta birostrata		1.156	0.289	0.0126	5			Thuesen et al. 1998
I	187. Copepoda	Euchaetidae	Paraeuchaeta brevicauda	MIN	0.912	0.228	0.0264	5			Thuesen et al. 1998
I	188. Copepoda	Euchaetidae	Paraeuchaeta californica	MIN	1.204	0.301	0.0137	5			Thuesen et al. 1998
I	189. Copepoda	Euchaetidae	Paraeuchaeta japonica	MIN	2.3892	0.672	0.0093	6.7	0.00201	78.4	Ikeda 1970
I	190. Copepoda	Euchaetidae	Paraeuchaeta norvegica	MIN	1.39	0.49	0.0223	10	0.00459	?	Conover 1960
I	191. Copepoda	Euchaetidae	Paraeuchaeta norvegica		1.58	0.56	0.0194	10	0.00388	?	Conover 1960
I	192. Copepoda	Euchaetidae	Paraeuchaeta norvegica		1.81	0.64	0.0190	10	0.00380	?	Conover 1960
I	193. Copepoda	Euchaetidae	Paraeuchaeta rubra	MIN	0.848	0.212	0.0127	5			Thuesen et al. 1998

I	194. Copepoda	Euchaetidae	Paraeuchaeta rubra		1.6251	0.33	0.0131	2	0.00383	0.0729	69.1	Ikeda et al. 2004
I	195. Copepoda	Euchaetidae	Paraeuchaeta sesquipedalis	MIN	1.020	0.255	0.0249	5				Thuesen et al. 1998
I	196. Copepoda	Euchaetidae	Paraeuchaeta sp.	MIN	6.0641	1.072	0.017	0	0.003		83	Opalinski 1991
I	197. Copepoda	Euchaetidae	Paraeuchaeta tonsa	MIN	2.164	0.541	0.0066	5				Thuesen et al. 1998
I	198. Copepoda	Metridinidae	Pleuromamma abdominalis	MIN	4.895	3.461	0.00123	20				Pavlova 1975
I	199. Copepoda	Metridinidae	Pleuromamma abdominalis		10.0140	5.007	0.000415	15	0.000083		80	Nival et al. 1972
I	200. Copepoda	Metridinidae	Pleuromamma abdominalis		10.120	7.156	0.0008	20				Pavlova 1975
I	201. Copepoda	Metridinidae	Pleuromamma gracilis	MIN	5.500	3.889	0.000270	20				Pavlova 1975
I	202. Copepoda	Metridinidae	Pleuromamma gracilis		11.2580	5.629	0.0001875	15	0.0000375		80	Nival et al. 1972
I	203. Copepoda	Metridinidae	Pleuromamma robusta	MIN	7.1	2.5	0.0014	8	0.000283		?80	Conover 1960
I	204. Copepoda	Metridinidae	Pleuromamma robusta		10.1	3.1	0.0014	8	0.000283		?80	Conover 1960
I	205. Copepoda	Pontellidae	Pontella danae	MIN	4.9369	5.44	0.0035	26.4	0.0007		?80	Ikeda et al. 2001
I	206. Copepoda	Pontellidae	Pontella sp.	MIN	11.5880	5.794	0.000345	15	0.000069		80	Nival et al. 1972
I	207. Copepoda	Pseudocalanidae	Pseudocalanus elongatus	MIN	8.6	6.1	0.000059	20				Pavlova 1961
I	208. Copepoda	Pseudocalanidae	Pseudocalanus elongatus		11.5316	3.7	0.00006	8.6	0.000012		?80	Ikeda et al. 2001
I	209. Copepoda	Pseudocalanidae	Pseudocalanus elongatus		17.2086	6.589	0.00004	11.15	0.0000012		70	Ikeda 1970
I	210. Copepoda	Lucicutiidae	Pseudochirella polyspina	MIN	0.856	0.214	0.0117	5				Thuesen et al. 1998
I	211. Copepoda	Pseudodiaptomidae	Pseudodiaptomus marinus	MIN	9.2375	4.4	0.00007	14.3	0.000014		?80	Ikeda et al. 2001
I	212. Copepoda	Eucalanidae	Rhincalanus gigas	MIN	0.5657	0.100	0.011692	0	0.00157		86.6	Kawall et al. 2001
I	213. Copepoda	Eucalanidae	Rhincalanus gigas		2.8639	0.45	0.009	-1.7	0.00180		?80	Ikeda et al. 2001
I	214. Copepoda	Eucalanidae	Rhincalanus nasutus	MIN	0.5091	0.3600	0.024	20				Opalinski 1991
I	215. Copepoda	Eucalanidae	Rhincalanus nasutus		1.4281	1.0098	0.009	20				Opalinski 1991
I	216. Copepoda	Eucalanidae	Rhincalanus nasutus		1.4651	1.0360	0.015	20				Opalinski 1991
I	217. Copepoda	Eucalanidae	Rhincalanus nasutus		2.38	0.66	0.0054	6.5	0.001079		?80	Conover 1960
I	218. Copepoda	Eucalanidae	Rhincalanus nasutus		2.46	0.68	0.0051	6.5	0.001019		?80	Conover 1960
I	219. Copepoda	Eucalanidae	Rhincalanus nasutus		2.63	0.73	0.00413	6.5	0.000826		?80	Conover 1960
I	220. Copepoda	Sapphirinidae	Sapphirina gemma	MIN	7.5786	10.000	0.00071	29	0.00007		90.1	Ikeda 1970
I	221. Copepoda	Sapphirinidae	Sapphirina gemma		29.9735	42.389	0.001	30	0.00008		92	Ikeda 1970
I	222. Copepoda	Scolecithrichidae	Scolecithrix danae	MIN	3.080	2.178	0.00300	20				Pavlova 1975
I	223. Copepoda	Temoridae	Temora longicornis	MIN	36.6506	48.36	0.000061	29	0.000012		80.4	Rajagopal 1962
I	224. Copepoda	Tortanidae	Tortanus discaudatus	MIN	8.1484	2.34	0.000285	7	0.000057		?80	Ikeda et al. 2001
I	225. Copepoda	Tortanidae	Tortanus discaudatus		16.5565	6.3393	0.0002	11.15	0.00005		75	Ikeda 1970
I	226. Copepoda	Tortanidae	Tortanus gracilis	MIN	6.1767	6.62	0.00012	26	0.000024		?80	Ikeda et al. 2001
I	227. Copepoda	Calanidae	Undinula vulgaris	MIN	6.4355	5.80	0.000925	23.5	0.000185		?80	Ikeda et al. 2001
I	228. Copepoda	Calanidae	Undinula vulgaris		7.7663	9.3	0.000838	27.6	0.000167		?80	Ikeda et al. 2001
I	229. Calanoida	Euchaetidae	Valdiviella oligartha	MIN	0.752	0.188	0.0194	5				Thuesen et al. 1998
I	230. Euphausiacea	Euphausiidae	Euphausia crystallorophias	MIN	1.8213	0.311	0.05	-0.5	0.01		80	Opalinski 1991
I	231. Euphausiacea	Euphausiidae	Euphausia crystallorophias		3.4145	0.544	0.09	-1.5	0.018		80	Opalinski 1991
I	232. Euphausiacea	Euphausiidae	Euphausia crystallorophias		3.6714	0.589	0.03	-1.4	0.006		80	Opalinski 1991
I	233. Euphausiacea	Euphausiidae	Euphausia crystallorophias		4.1750	0.656	0.211	-1.7	0.047		78	Opalinski 1991
I	234. Euphausiacea	Euphausiidae	Euphausia crystallorophias		4.3468	0.683	0.079	-1.7	0.017		78.5	Opalinski 1991
I	235. Euphausiacea	Euphausiidae	Euphausia crystallorophias		5.3396	0.839	0.249	-1.7	0.05		80	Opalinski 1991
I	236. Euphausiacea	Euphausiidae	Euphausia crystallorophias		6.8025	1.122	0.053	-1	0.011		79.3	Opalinski 1991
I	237. Euphausiacea	Euphausiidae	Euphausia mutica	MIN	14.5222	18.833	0.00326	28.75	0.00042		87.1	Ikeda 1970
I	238. Euphausiacea	Euphausiidae	Euphausia pacifica	MIN	1.3378	0.473	0.0338	10	0.0070	0.123	79.4	Childress 1975
I	239. Euphausiacea	Euphausiidae	Euphausia pacifica		4.5504	2.650	0.0177	17.2	0.0033		81.4	Ikeda 1970
I	240. Euphausiacea	Euphausiidae	Euphausia pacifica		9.1754	3.244	0.0338	10	0.0070	0.123	79.4	Childress 1975
I	241. Euphausiacea	Euphausiidae	Euphausia superba	MIN	2.9102	0.48	1.43	-1.0	0.35378	0.103	75.3	Ikeda 1988
I	242. Euphausiacea	Euphausiidae	Euphausia superba		3.0647	0.502	0.145	-1.1	0.02703	0.110	81.4	Ikeda 1988
I	243. Euphausiacea	Euphausiidae	Euphausia superba		3.0647	0.502	1.01	-1.1	0.23768	0.102	76.4	Ikeda 1988
I	244. Euphausiacea	Euphausiidae	Euphausia superba		3.1197	0.511	0.369	-1.1	0.07677	0.102	79.2	Ikeda 1988
I	245. Euphausiacea	Euphausiidae	Euphausia superba		3.2051	0.525	0.616	-1.1	0.14286	0.099	76.8	Ikeda 1988

I	246.	Euphausiacea	Euphausiidae	Euphausia tricantha	MIN	2.4718	0.44	0.32	0.1	0.08283	0.107	74.1	Ikeda 1988
I	247.	Euphausiacea	Euphausiidae	Thysanoessa inermis	MIN	1.2	1.004	0.017	0.1	0.00457	0.1004	74.1	Ikeda & Skjoldal 1989
I	248.	Euphausiacea	Euphausiidae	Thysanoessa inermis		3.5	0.71	0.108	1.9	0.03478	0.0744	67.8	Ikeda & Skjoldal 1989
I	249.	Euphausiacea	Euphausiidae	Thysanoessa inermis		5.8987	2.306	0.00801	11.45	0.00119		85.1	Ikeda 1970
I	250.	Euphausiacea	Euphausiidae	Thysanoessa macrura	MIN	0.9780	0.167	0.05	-0.5	0.01		80	Opalinski 1991
I	251.	Euphausiacea	Euphausiidae	Thysanoessa macrura		2.0189	0.333	0.006	-1	0.001		83	Opalinski 1991
I	252.	Euphausiacea	Euphausiidae	Thysanoessa macrura		2.0856	0.344	0.009	-1	0.002		78	Opalinski 1991
I	253.	Euphausiacea	Euphausiidae	Thysanoessa macrura		2.1556	0.400	0.05	0.7	0.01		80	Opalinski 1991
I	254.	Euphausiacea	Euphausiidae	Thysanoessa macrura		2.7287	0.517	0.09	1	0.019		79	Opalinski 1991
I	255.	Euphausiacea	Euphausiidae	Thysanoessa macrura		2.8344	0.600	0.034	2.6	0.007		79.4	Opalinski 1991
I	256.	Euphausiacea	Euphausiidae	Thysanoessa macrura		2.9926	0.511	0.05	-0.5	0.01		80	Opalinski 1991
I	257.	Euphausiacea	Euphausiidae	Thysanoessa raschii	MIN	3.0116	0.850	0.107	6.75	0.0185		82.7	Ikeda 1970
I	258.	Euphausiacea	Euphausiidae	Thysanoessa raschii		3.8371	1.083	0.108	6.75	0.0175		83.4	Ikeda 1970
I	259.	Euphausiacea	Euphausiidae	Thysanoessa raschii		4.5829	1.289	0.0466	6.7	0.008		82.8	Ikeda 1970
I	260.	Euphausiacea	Euphausiidae	Thysanopoda cornuta	MIN	0.8400	0.21	5.88	5				Cowles et al. 1991
I	261.	Branchiopoda	Daphnidae	Daphnia ambigua	MIN	9.6225	6.006	0.0000197	18.2	0.00000387		80.4	Armitage & Lei 1979
I	262.	Branchiopoda	Daphnidae	Daphnia ambigua		13.045	11.278	0.000019	22.9			80.4	Armitage & Lei 1979
I	263.	Branchiopoda	Daphnidae	Daphnia ambigua		13.050	11.283	0.000019	22.9	0.00000372		80.4	Armitage & Lei 1979
I	264.	Branchiopoda	Daphnidae	Daphnia ambigua		13.643	15.244	0.0000184	26.6	0.00000362		80.4	Armitage & Lei 1979
I	265.	Branchiopoda	Daphnidae	Daphnia ambigua		13.918	12.033	0.0000308	22.9	0.00000573		80.4	Armitage & Lei 1979
I	266.	Branchiopoda	Daphnidae	Daphnia ambigua		14.041	12.139	0.0000178	22.9	0.00000349		80.4	Armitage & Lei 1979
I	267.	Branchiopoda	Daphnidae	Daphnia ambigua		14.368	12.422	0.0000287	22.9	0.00000563		80.4	Armitage & Lei 1979
I	268.	Branchiopoda	Daphnidae	Daphnia ambigua		16.573	14.328	0.0000221	22.9	0.00000434		80.4	Armitage & Lei 1979
I	269.	Branchiopoda	Daphnidae	Daphnia ambigua		16.759	14.489	0.0000265	22.9	0.00000520		80.4	Armitage & Lei 1979
I	270.	Branchiopoda	Daphnidae	Daphnia ambigua		17.196	14.867	0.0000136	22.9	0.00000266		80.4	Armitage & Lei 1979
I	271.	Branchiopoda	Daphnidae	Daphnia ambigua		17.775	7.900	0.0000251	13.3	0.0000049		80.4	Armitage & Lei 1979
I	272.	Branchiopoda	Daphnidae	Daphnia ambigua		25.254	21.833	0.00000893	22.9	0.00000175		80.4	Armitage & Lei 1979
I	273.	Branchiopoda	Daphnidae	Daphnia ambigua		26.435	7.333	0.0000047	6.5				Armitage & Lei 1979
I	274.	Branchiopoda	Daphnidae	Daphnia ambigua		26.597	7.378	0.0000258	6.5	0.00000507		80.4	Armitage & Lei 1979
I	275.	Branchiopoda	Daphnidae	Daphnia ambigua		29.620	10.400	0.0000267	9.9	0.00000524		80.4	Armitage & Lei 1979
I	276.	Branchiopoda	Daphnidae	Daphnia ambigua		31.320	27.078	0.00000597	22.9	0.00000117		80.4	Armitage & Lei 1979
I	277.	Branchiopoda	Daphnidae	Daphnia ambigua		32.898	12.728	0.0000254	11.3	0.00000498		80.4	Armitage & Lei 1979
I	278.	Branchiopoda	Daphnidae	Daphnia ambigua		33.608	29.056	0.00000587	22.9	0.00000150		80.4	Armitage & Lei 1979
I	279.	Branchiopoda	Daphnidae	Daphnia magma	MIN	26.713	18.889	0.00015	20				Schindler 1968
I	280.	Branchiopoda	Daphnidae	Daphnia magma		28.288	7.072	0.000146	5				Goss & Bunting 1980
I	281.	Branchiopoda	Daphnidae	Daphnia magma		29.855	21.111	0.0001	20				Schindler 1968
I	282.	Branchiopoda	Daphnidae	Daphnia magma		32.997	23.333	0.00005	20				Schindler 1968
I	283.	Branchiopoda	Daphnidae	Daphnia magma		35.386	12.511	0.000118	10				Goss & Bunting 1980
I	284.	Branchiopoda	Daphnidae	Daphnia magma		36.195	25.594	0.000061	20				Goss & Bunting 1980
I	285.	Branchiopoda	Daphnidae	Daphnia magma		38.034	19.017	0.000087	15				Goss & Bunting 1980
I	286.	Branchiopoda	Daphnidae	Daphnia magma		47.600	47.600	0.000066	25				Goss & Bunting 1980
I	287.	Branchiopoda	Daphnidae	Daphnia pulex	MIN	37.668	9.417	0.000581	5				Goss & Bunting 1980
I	288.	Branchiopoda	Daphnidae	Daphnia pulex		42.285	14.950	0.000481	10				Goss & Bunting 1980
I	289.	Branchiopoda	Daphnidae	Daphnia pulex		51.147	36.167	0.000055	20				Ikeda 1970
I	290.	Branchiopoda	Daphnidae	Daphnia pulex		58.139	82.222	0.000147	30				Goss & Bunting 1980
I	291.	Branchiopoda	Daphnidae	Daphnia pulex		64.067	64.067	0.0002	25				Goss & Bunting 1980
I	292.	Branchiopoda	Daphnidae	Daphnia pulex		65.548	46.350	0.000208	20				Goss & Bunting 1980
I	293.	Branchiopoda	Daphnidae	Daphnia pulex		65.556	32.778	0.000374	15				Goss & Bunting 1980
I	294.	Branchiopoda	Daphnidae	Daphnia pulex		132.489	103.9	0.0006	21.5				Ikeda 1970
I	295.	Branchiopoda	Sididae	Penilia avirostris	MIN	3.1	2.2	0.00004	20				Pavlova 1961
I	296.	Branchiopoda	Podonidae	Podon polyphemoides	MIN	4.2	2.9	0.00012	20				Pavlova 1961
I	297.	Branchiopoda	Polyartemiidae	Polyartemia forcipata	MIN	2.8284	2.000	0.00769	20				Ivanova & Korobtsova 1974

I	298.Branchiopoda	Triopsidae	Triops cancriformis	MIN	1.6	1.1	0.230	20	0.019	91.7	Tscherbakov & Muragina 1953	
I	299.Branchiopoda	Triopsidae	Triops cancriformis		1.7	1.2	0.340	20	0.028	91.8	Tscherbakov & Muragina 1953	
I	300.Branchiopoda	Triopsidae	Triops cancriformis		1.75	1.24	0.410	20	0.035	91.5	Tscherbakov & Muragina 1953	
I	301.Branchiopoda	Triopsidae	Triops cancriformis		3.1	2.2	0.190	20	0.0185	90.3	Tscherbakov & Muragina 1953	
I	302.Branchiopoda	Triopsidae	Triops cancriformis		3.5	2.5	0.160	20	0.0135	91.6	Tscherbakov & Muragina 1953	
I	303.Thoracica	Balanidae	Balanus balanoides	MIN	2.3480	0.5870	0.0046	5	0.00122	73.7	Barnes & Barnes 1969	
I	304.Thoracica	Balanidae	Balanus balanoides		3.1113	2.2000	0.005	20	0.00131	73.7	Barnes & Barnes 1969	
I	305.Thoracica	Balanidae	Balanus balanoides		3.5790	1.7895	0.0076	15	0.002	73.7	Barnes & Barnes 1969	
I	306.Thoracica	Balanidae	Balanus balanoides		3.5915	1.2698	0.0063	10	0.00167	73.7	Barnes & Barnes 1969	
I	307.Thoracica	Balanidae	Balanus balanus	MIN	0.7238	0.5118	0.1129	20			Barnes & Barnes 1969	
I	308.Thoracica	Balanidae	Balanus balanus		0.7328	0.5182	0.11	20	0.0297	73.7	Barnes & Barnes 1969	
I	309.Thoracica	Balanidae	Balanus balanus		0.7520	0.1880	0.117	5	0.0309	73.7	Barnes & Barnes 1969	
I	310.Thoracica	Balanidae	Balanus balanus		0.9348	0.4674	0.092	15	0.0242	73.7	Barnes & Barnes 1969	
I	311.Thoracica	Balanidae	Balanus balanus		0.9704	0.3431	0.102	10	0.0269	73.7	Barnes & Barnes 1969	
I	312.Thoracica	Balanidae	Balanus balanus		0.9745	0.6891	0.092	20			Barnes & Barnes 1969	
I	313.Thoracica	Balanidae	Balanus balanus		3.2022	2.2643	0.00498	20			Barnes & Barnes 1969	
I	314.Thoracica	Balanidae	Balanus balanus		3.7059	2.6205	0.0076	20			Barnes & Barnes 1969	
II	315.Isopoda	Aegidae	Aega sp.	MIN	4.5373	2.606	0.026	17	0.00664	74.4	Ikeda 1970	
II	316.Mysidacea	Mysidae	Antarctomysis maxima	MIN	1.6065	1.1360	0.721	20			Opalinski 1991	
II	317.Isopoda	Anuropidae	Anuropus bathypelagicus	MIN	0.0889	0.023	3.45	5.5	0.95	0.029	72.4	Childress 1975
II	318.Isopoda	Anuropidae	Anuropus bathypelagicus		0.4984	0.129	3.45	5.5	0.95	0.029	72.4	Childress 1975
II	319.Mysidacea	Mysidae	Archaeomysis grebnitzkii	MIN	1.6541	1.1696	0.0106	20			Jawed 1973	
II	320.Mysidacea	Mysidae	Archaeomysis grebnitzkii		1.7225	1.2180	0.00935	20			Jawed 1973	
II	321.Mysidacea	Mysidae	Archaeomysis grebnitzkii		1.8013	1.2737	0.00806	20			Jawed 1973	
II	322.Mysidacea	Mysidae	Archaeomysis grebnitzkii		1.8451	1.3047	0.00645	20			Jawed 1973	
II	323.Mysidacea	Mysidae	Archaeomysis grebnitzkii		1.8661	1.3195	0.0071	20			Jawed 1973	
II	324.Mysidacea	Mysidae	Archaeomysis grebnitzkii		2.3404	1.6549	0.00339	20			Jawed 1973	
II	325.Mysidacea	Mysidae	Archaeomysis grebnitzkii		2.5070	1.7727	0.00269	20			Jawed 1973	
II	326.Mysidacea	Mysidae	Archaeomysis grebnitzkii		3.1352	2.2169	0.00124	20			Jawed 1973	
II	327.Mysidacea	Mysidae	Archaeomysis grebnitzkii		3.3057	2.3375	0.00108	20			Jawed 1973	
II	328.Isopoda	Armadillidae	Armadillidium nasatum	MIN	1.0235	0.7237	0.03	20			Reichle 1968	
II	329.Isopoda	Armadillidae	Armadillidium pallasii	MIN	0.707	0.500	0.27	20			Byzova 1973	
II	330.Isopoda	Armadillidae	Armadillidium pallasii		0.731	0.517	0.1	20			Byzova 1973 (data of Müller 1943)	
II	331.Isopoda	Armadillidae	Armadillidium pallasii		0.747	0.528	0.16	20			Byzova 1973 (data of Müller 1943)	
II	332.Isopoda	Armadillidae	Armadillidium pallasii		0.817	0.578	0.13	20			Byzova 1973 (data of Müller 1943)	
II	333.Isopoda	Armadillidae	Armadillidium pallasii		0.935	0.661	0.05	20			Byzova 1973 (data of Müller 1943)	
II	334.Isopoda	Armadillidae	Armadillidium pallasii		1.100	0.778	0.09	20			Byzova 1973	
II	335.Isopoda	Armadillidae	Armadillidium pallasii		1.242	0.878	0.03	20			Byzova 1973 (data of Müller 1943)	
II	336.Isopoda	Armadillidae	Armadillidium pallasii		1.414	1.000	0.015	20			Byzova 1973 (data of Müller 1943)	
II	337.Isopoda	Armadillidae	Armadillidium pallasii		1.894	1.339	0.053	20			Byzova 1973	
II	338.Isopoda	Armadillidae	Armadillidium pallasii		2.106	1.489	0.053	20			Byzova 1973	
II	339.Isopoda	Armadillidae	Armadillidium pallasii		2.908	2.056	0.024	20			Byzova 1973	
II	340.Isopoda	Armadillidae	Armadillidium pallasii		3.615	2.556	0.0025	20			Byzova 1973	
II	341.Isopoda	Armadillidae	Armadillidium pallasii		4.400	3.111	0.0009	20			Byzova 1973	
II	342.Isopoda	Armadillidae	Armadillidium vulgare	MIN	0.7863	0.556	0.144	20			Byzova 1973 (data of Reichle 1968)	
II	343.Isopoda	Armadillidae	Armadillidium vulgare		1.1469	0.811	0.065	20			Byzova 1973 (data of Edney 1964)	
II	344.Isopoda	Armadillidae	Armadillidium vulgare		1.4142	1.000	0.12	20			Byzova 1973 (data of Reichle 1968)	
II	345.Isopoda	Armadillidae	Armadillidium vulgare		4.0857	2.889	0.004	20			Byzova 1973 (data of Engelmann 1961)	
II	346.Isopoda	Armadillidae	Armadillidium vulgare		11.2345	7.944	0.00064	20			Byzova 1973 (data of Edney & Spencer 1956)	
II	347.Isopoda	Asellidae	Asellus aquaticus	MIN	3.1	1.11	0.0168	10			Simčič & Brancelj 2006	
II	348.Amphipoda	Pontoporeiidae	Bathyporeia pelgica	MIN	0.0062	0.0044	0.0022	20			Fish & Preece 1970	
II	349.Amphipoda	Pontoporeiidae	Bathyporeia pelgica		6.7908	4.8018	0.00222	20			Fish & Preece 1970	



II	350.	Amphipoda	Pontoporeiidae	Bathyporeia pelgica	7.1562	5.0602	0.00133	20										Fish & Preece 1970
II	351.	Amphipoda	Pontoporeiidae	Bathyporeia pelgica	8.9144	6.3034	0.00089	20										Fish & Preece 1970
II	352.	Amphipoda	Pontoporeiidae	Bathyporeia pilosa	MIN	0.0057	0.004	0.00219	20									Fish & Preece 1970
II	353.	Amphipoda	Pontoporeiidae	Bathyporeia pilosa		3.2202	2.2770	0.00444	20									Fish & Preece 1970
II	354.	Amphipoda	Pontoporeiidae	Bathyporeia pilosa		6.7908	4.8018	0.00222	20									Fish & Preece 1970
II	355.	Amphipoda	Pontoporeiidae	Bathyporeia pilosa		8.9531	6.3308	0.00133	20									Fish & Preece 1970
II	356.	Amphipoda	Pontoporeiidae	Bathyporeia pilosa		10.6940	7.5618	0.00089	20									Fish & Preece 1970
II	357.	Mysidacea	Mysidae	Boreomysis californica	MIN	0.3323	0.086	0.035	5.5	0.0061	0.079	82.6						Childress 1975
II	358.	Mysidacea	Mysidae	Boreomysis californica		1.2519	0.324	0.035	5.5	0.0061	0.079	82.6						Childress 1975
II	359.	Amphipoda	Eusiridae	Bovallia gigantea	MIN	2.9346	0.556	0.528	1	0.104		80						Opalinski 1991
II	360.	Amphipoda	Lycaeidae	Brachyscelus latipes	MIN	15.2837	20.167	0.00128	29	0.00019		85.2						Ikeda 1970
II	361.	Amphipoda	Ampeliscidae	Byblis securiger	MIN	4.5792	0.956	0.239	2.4	0.067		72						Opalinski 1991
II	362.	Isopoda	Cylisticidae	Cylisticus convexus	MIN	1.8574	1.3134	0.0384	20									Reiche 1968
II	363.	Amphipoda	Cyphocarididae	Cyphocaris richardi	MIN	1.3526	0.217	1.062	-1.4	0.287		73						Opalinski 1991
II	364.	Amphipoda	Cyphocarididae	Cyphocaris sp	MIN	1.7351	0.311	0.32	0.2	0.08142	0.070	74.9						Ikeda 1988
II	365.	Cumacea	Diastylidae	Diastylis sp.	MIN	5.0004	2.872	0.0006	17	0.00018		70						Ikeda 1970
II	366.	Amphipoda	Gammaridae	Dikerogammarus haemobaphes	MIN	4.5123	3.1907	0.008	20									Kititsina 1980
II	367.	Amphipoda	Eusiridae	Djerboa ficipes	MIN	2.3872	0.422	0.1	0			80						Opalinski 1991
II	368.	Amphipoda	Eurycopidae	Eurymera monticulosa	MIN	3.3991	0.644	0.235	1	0.042		82.2						Opalinski 1991
II	369.	Amphipoda	Eurycopidae	Eurythenes gryllus	MIN	3.0678	0.506	0.95	-1	0.173		81.8						Opalinski 1991
II	370.	Amphipoda	Eusiridae	Eusirus perdentatus	MIN	0.8064	0.133	1.628	-1	0.344		79						Opalinski 1991
II	371.	Amphipoda	Hyperiididae	Euthemisto compressa	MIN	3.3	0.77	0.022	4	0.00435		780						Conover 1960
II	372.	Amphipoda	Hyperiididae	Euthemisto compressa		3.6	0.83	0.024	4	0.00487		780						Conover 1960
II	373.	Amphipoda	Hyperiididae	Euthemisto compressa		3.7	0.86	0.025	4	0.00497		780						Conover 1960
II	374.	Amphipoda	Hyperiididae	Euthemisto libellula	MIN	4.7	0.83	0.017	-0.1	0.00298	0.0805	82.4						Ikeda & Skjoldal 1989
II	375.	Amphipoda	Hyperiididae	Euthemisto libellula		4.7239	1.244	0.00791	5.75	0.00153		80.7						Ikeda 1970
II	376.	Amphipoda	Hyperiididae	Euthemisto libellula		11.0608	3.111	0.00455	6.7	0.0008		82.5						Ikeda 1970
II	377.	Amphipoda	Gammaridae	Gammarus duebeni	MIN	3.1113	1.1	0.05	10									Bulnheim 1979
II	378.	Amphipoda	Gammaridae	Gammarus fossarum	MIN	2.0	0.722	0.0189	10									Simčič & Brancelj 2006
II	379.	Amphipoda	Gammaridae	Gammarus locusta	MIN	2.3220	1.6419	0.015	20	0.00349		77.4						Ivlev & Sutschenya 1961
II	380.	Amphipoda	Gammaridae	Gammarus locusta		2.6286	1.8587	0.015	20	0.00349		77.4						Ivlev & Sutschenya 1961
II	381.	Amphipoda	Gammaridae	Gammarus locusta		4.8000	2.4	0.05	15									Bulnheim 1979
II	382.	Amphipoda	Gammaridae	Gammarus oceanicus	MIN	2.8000	1.4	0.05	15									Bulnheim 1979
II	383.	Amphipoda	Gammaridae	Gammarus salinus	MIN	3.3941	1.2	0.05	10									Bulnheim 1979
II	384.	Amphipoda	Gammaridae	Gammarus zaddachi	MIN	3.1113	1.1	0.05	10									Bulnheim 1979
II	385.	Isopoda	Chaetiliidae	Glyptonotus antarcticus	MIN	0.3224	0.057	33	0									Robertson et al. 2003
II	386.	Mysidacea	Lophogastridae	Gnathophausia gigas	MIN	0.3440	0.086	1.01	5									Cowles et al. 1991
II	387.	Mysidacea	Lophogastridae	Gnathophausia gigas		0.4459	0.104	1.052	4	0.193	0.071	79.5						Childress 1975
II	388.	Mysidacea	Lophogastridae	Gnathophausia gigas		0.7811	0.14	0.77	0.2	0.12729	0.073	83.4						Ikeda 1988
II	389.	Mysidacea	Lophogastridae	Gnathophausia gigas		4.8444	1.13	1.052	4	0.193	0.071	79.5						Childress 1975
II	390.	Mysidacea	Lophogastridae	Gnathophausia gracilis	MIN	0.2658	0.062	2.05	4	0.38	0.070	81.6						Childress 1975
II	391.	Mysidacea	Lophogastridae	Gnathophausia gracilis		0.4520	0.113	2.45	5									Cowles et al. 1991
II	392.	Mysidacea	Lophogastridae	Gnathophausia gracilis		1.8092	0.422	2.05	4	0.38	0.070	81.6						Childress 1975
II	393.	Mysidacea	Lophogastridae	Gnathophausia ingens	MIN	0.0810	0.0189	52.42	4	4.875	0.054	0.91						Childress 1975
II	394.	Mysidacea	Lophogastridae	Gnathophausia ingens		0.3593	0.093	5.542	5.5	1.514	0.063	72.6						Childress 1975
II	395.	Mysidacea	Lophogastridae	Gnathophausia ingens		0.5374	0.19	5.11	10									Cowles et al. 1991
II	396.	Mysidacea	Lophogastridae	Gnathophausia ingens		1.0800	0.27	5.11	5									Cowles et al. 1991
II	397.	Mysidacea	Lophogastridae	Gnathophausia ingens		3.2417	0.839	5.542	5.5	1.514	0.063	72.6						Childress 1975
II	398.	Mysidacea	Lophogastridae	Gnathophausia zoea	MIN	0.3111	0.11	3.99	10									Cowles et al. 1991
II	399.	Mysidacea	Lophogastridae	Gnathophausia zoea		0.3593	0.093	5.2	5.5									Childress 1975
II	400.	Mysidacea	Lophogastridae	Gnathophausia zoea		0.4675	0.121	5.2	5.5									Childress 1975
II	401.	Mysidacea	Lophogastridae	Gnathophausia zoea		0.8000	0.20	3.99	5									Cowles et al. 1991

II	402. Amphipoda	Eusiridae	Gondogeneia antarctica	MIN	10.5561	2.000	0.029	1	0.005	83	Opalinski 1991	
II	403. Isopoda	Hemioniscidae	Hemilepistus elegans	MIN	0.7382	0.522	0.275	20			Byzova 1973	
II	404. Isopoda	Hemioniscidae	Hemilepistus elegans		1.5316	1.083	0.115	20			Byzova 1973	
II	405. Mysidacea	Mysidae	Hypererythrops sp.	MIN	7.5929	4.361	0.00111	17	0.000542	52.2	Ikeda 1970	
II	406. Amphipoda	Lanceolidae	Hyperia galba	MIN	0.88	0.23	0.0824	5.6	0.00824	?	Conover 1960	
II	407. Amphipoda	Lanceolidae	Hyperia galba		0.99	0.26	0.01015	5.6	0.001015	?	Conover 1960	
II	408. Amphipoda	Lanceolidae	Hyperia galba		1.2021	0.425	0.0357	10	0.0041	0.067	88.5 Childress 1975	
II	409. Amphipoda	Lanceolidae	Hyperia galba		1.2444	0.383	0.2527	8	0.0286		88.7 Ikeda 1970	
II	410. Amphipoda	Lanceolidae	Hyperia galba		1.30	0.34	0.0352	5.6	0.00352	?	Conover 1960	
II	411. Amphipoda	Lanceolidae	Hyperia galba		1.34	0.35	0.0462	5.6	0.00462	?	Conover 1960	
II	412. Amphipoda	Lanceolidae	Hyperia galba		2.0641	0.850	0.0497	12.2	0.00616		87.6 Ikeda 1970	
II	413. Amphipoda	Lanceolidae	Hyperia galba		2.2458	0.794	0.0357	10	0.0041	0.067	88.5 Childress 1975	
II	414. Amphipoda	Lanceolidae	Hyperia gaudichaudii	MIN	1.4351	0.24	0.525	-0.8	0.10530	0.071	?	Ikeda 1988
II	415. Amphipoda	Lanceolidae	Hyperia sp.	MIN	2.9047	0.817	0.00927	6.7	1.2		87.1 Ikeda 1970	
II	416. Amphipoda	Lanceolidae	Hyperia sp.		5.3104	3.050	0.00131	17	0.00019		85.5 Ikeda 1970	
II	417. Amphipoda	Lanceolidae	Hyperia sp.		6.7903	3.900	0.000428	17	0.000072		83.2 Ikeda 1970	
II	418. Amphipoda	Hyperlopsidae	Hyperiella antarctica	MIN	1.2496	0.8836	0.02	20			Opalinski 1991	
II	419. Isopoda	Idoteidae	Idotea baltica basteri	MIN	2.1	1.45	0.1385	20			Khmeleva 1973	
II	420. Cumacea	Bodotriidae	Iphinoe sp.	MIN	0.7579	1.000	0.00664	29	0.00109		83.6 Ikeda 1970	
II	421. Cumacea	Bodotriidae	Iphinoe sp.		2.1998	3.111	0.00062	30	0.0001		83.9 Ikeda 1970	
II	422. Isopoda	Ligiidae	Ligia oceanica	MIN	1.2572	0.889	0.8	20			Byzova 1973 (data of Edney & Spencer 1955)	
II	423. Isopoda	Ligiidae	Ligia oceanica		1.3350	0.944	0.8	20			Byzova 1973 (data of Ellenby 1951)	
II	424. Isopoda	Ligiidae	Ligidium japonica	MIN	1.8074	1.278	0.025	20			Byzova 1973 (data of Saito 1965)	
II	425. Isopoda	Ligiidae	Ligidium japonica		3.1424	2.222	0.0045	20			Byzova 1973 (data of Saito 1965)	
II	426. Isopoda	Oniscidae	Mesidothea entomon	MIN	1.2885	0.9111	10	20			Romanova & Khmeleva 1978	
II	427. Isopoda	Oniscidae	Mesidothea entomon		1.4503	1.0255	5	20			Romanova & Khmeleva 1978	
II	428. Isopoda	Oniscidae	Mesidothea entomon		1.6190	1.1448	3.2	20			Romanova & Khmeleva 1978	
II	429. Isopoda	Oniscidae	Mesidothea entomon		1.6859	1.1921	2	20			Romanova & Khmeleva 1978	
II	430. Isopoda	Oniscidae	Mesidothea entomon		2.1579	1.5259	0.5	20			Romanova & Khmeleva 1978	
II	431. Mysidacea	Mysidae	Mesopodopsis slabberi	MIN	1.4500	1.0253	0.0325	20			Braginski 1957	
II	432. Mysidacea	Mysidae	Mysis relicta	MIN	3.2052	2.2664	0.01	20			Foulds & Roff 1976	
II	433. Mysidacea	Lophogastridae	Neomysis awatschensis	MIN	2.0290	1.4347	0.0235	20			Jawed 1973	
II	434. Mysidacea	Lophogastridae	Neomysis awatschensis		2.1807	1.5420	0.0195	20			Jawed 1973	
II	435. Mysidacea	Lophogastridae	Neomysis awatschensis		2.3507	1.6622	0.0162	20			Jawed 1973	
II	436. Mysidacea	Lophogastridae	Neomysis awatschensis		2.4176	1.7095	0.0148	20			Jawed 1973	
II	437. Mysidacea	Lophogastridae	Neomysis awatschensis		2.4910	1.7614	0.0136	20			Jawed 1973	
II	438. Mysidacea	Lophogastridae	Neomysis awatschensis		2.7249	1.9268	0.01086	20			Jawed 1973	
II	439. Mysidacea	Lophogastridae	Neomysis awatschensis		2.9786	2.1062	0.00855	20			Jawed 1973	
II	440. Mysidacea	Lophogastridae	Neomysis awatschensis		3.5358	2.5002	0.00543	20			Jawed 1973	
II	441. Mysidacea	Lophogastridae	Neomysis awatschensis		4.2360	2.9953	0.00339	20			Jawed 1973	
II	442. Mysidacea	Lophogastridae	Neomysis awatschensis		4.6741	3.3051	0.00258	20			Jawed 1973	
II	443. Mysidacea	Lophogastridae	Neomysis mirabilis	MIN	5.4931	3.8842	0.0118	20			Kuzmicheva & Kukina 1974	
II	444. Mysidacea	Lophogastridae	Neomysis mirabilis		5.6948	4.0268	0.0118	20			Kuzmicheva & Kukina 1974	
II	445. Mysidacea	Lophogastridae	Neomysis mirabilis		6.5317	4.6186	0.0118	20			Klyashtorin & Kuzmicheva 1975	
II	446. Amphipoda	Niphargidae	Niphargus krameri	MIN	1.10	0.39	0.0149	10			Simčič et al. 2005	
II	447. Amphipoda	Niphargidae	Niphargus rhenorhodanensis	MIN	1.2	0.44	0.013	11			Hervant et al. 1997	
II	448. Amphipoda	Niphargidae	Niphargus sphagnicolus	MIN	4.2	1.5	0.0059	10			Simčič & Brancelj 2006	
II	449. Amphipoda	Niphargidae	Niphargus stygius	MIN	0.93	0.33	0.0304	10			Simčič et al. 2005	
II	450. Amphipoda	Niphargidae	Niphargus virei	MIN	0.45	0.17	0.093	11			Hervant et al. 1997	
II	451. Isopoda	Oniscidae	Oniscus asellus	MIN	0.9433	0.667	0.15	20			Byzova 1973 (data of Phillipson & Watson 1965)	
II	452. Isopoda	Oniscidae	Oniscus asellus		1.5712	1.111	0.1	20			Byzova 1973 (data of Phillipson & Watson 1965)	
II	453. Isopoda	Oniscidae	Oniscus asellus		2.3575	1.667	0.02	20			Byzova 1973 (data of Phillipson & Watson 1965)	

II	454.Isopoda	Oniscidae	Oniscus asellus		2.8284	2.000	0.06	20					Byzova 1973 (data of Phillipson & Watson 1965)
II	455.Isopoda	Oniscidae	Oniscus asellus		3.1424	2.222	0.018	20					Byzova 1973 (data of Edney & Spencer 1955)
II	456.Isopoda	Oniscidae	Oniscus asellus		6.6001	4.667	0.01	20					Byzova 1973 (data of Will 1952)
II	457.Isopoda	Oniscidae	Oniscus asellus		7.0711	5.000	0.0061	20					Byzova 1973 (data of Edwards 1946)
II	458.Isopoda	Oniscidae	Oniscus asellus		12.2570	8.667	0.0018	20					Byzova 1973 (data of Morrison 1946)
II	459.Amphipoda	Talitridae	Orchestia bottae	MIN	0.9977	0.7055	0.11	20	0.0245			77.1	Ivlev & Sutschenya 1961
II	460.Amphipoda	Talitridae	Orchestia bottae		2.8593	2.0218	0.11	20	0.0245			77.1	Ivlev & Sutschenya 1961
II	461.Amphipoda	Lysianassidae	Orchomene sp.	MIN	15.7189	22.000	0.00362	29.85	0.00091			75	Ikeda 1970
II	462.Amphipoda	Lysianassidae	Orchomenella chilensis	MIN	3.6430	0.644	0.05	0					Opalinski 1991
II	463.Amphipoda	Lysianassidae	Orchomenella plebs	MIN	1.7593	0.311	0.161	0	0.032			80.2	Opalinski 1991
II	464.Amphipoda	Lysianassidae	Orchomenella plebs		1.9634	0.372	0.105	1	0.021			80	Opalinski 1991
II	465.Amphipoda	Lysianassidae	Orchomenella plebs		2.3840	0.372	0.194	-1.8	0.039			80	Opalinski 1991
II	466.Amphipoda	Lysianassidae	Orchomenella plebs		2.3888	0.394	0.148	-1	0.03			80	Opalinski 1991
II	467.Amphipoda	Lysianassidae	Orchomenella plebs		2.4929	0.389	0.091	-1.8	0.023			75	Opalinski 1991
II	468.Amphipoda	Lysianassidae	Orchomenella plebs		2.6543	0.539	0.072	2	0.014			80.6	Opalinski 1991
II	469.Amphipoda	Lysianassidae	Orchomenella plebs		3.1658	0.494	0.097	-1.8					Opalinski 1991
II	470.Amphipoda	Lysianassidae	Orchomenella plebs		3.2748	0.511	0.088	-1.8	0.029			67	Opalinski 1991
II	471.Amphipoda	Lysianassidae	Orchomenella plebs		3.3837	0.528	0.073	-1.8	0.019			74	Opalinski 1991
II	472.Amphipoda	Lysianassidae	Orchomenella sp.	MIN	3.0981	0.511	0.206	-1	0.041			80	Opalinski 1991
II	473.Amphipoda	Calliopiidae	Paracallisoma coecus	MIN	0.7727	0.2	0.2	5.5	0.063	0.045		68.2	Childress 1975
II	474.Amphipoda	Calliopiidae	Paracallisoma coecus		1.1205	0.29	0.2	5.5	0.063	0.045		68.2	Childress 1975
II	475.Amphipoda	Potogeneiidae	Paramoera walkeri	MIN	1.3180	0.233	0.044	0	0.009			79.6	Opalinski 1991
II	476.Amphipoda	Potogeneiidae	Paramoera walkeri		1.7940	0.278	0.02	-1.9	0.004			80	Opalinski 1991
II	477.Amphipoda	Potogeneiidae	Paramoera walkeri		1.8554	0.328	0.044	0	0.009			79.6	Opalinski 1991
II	478.Amphipoda	Potogeneiidae	Paramoera walkeri		2.1383	0.378	0.044	0	0.009			79.6	Opalinski 1991
II	479.Amphipoda	Potogeneiidae	Paramoera walkeri		2.2627	0.400	0.02	0	0.005			75	Opalinski 1991
II	480.Amphipoda	Potogeneiidae	Paramoera walkeri		2.3215	0.478	0.028	2.2	0.006			79	Opalinski 1991
II	481.Amphipoda	Potogeneiidae	Paramoera walkeri		2.7381	0.556	0.02	2	0.005			75	Opalinski 1991
II	482.Amphipoda	Potogeneiidae	Paramoera walkeri		3.0369	0.494	0.021	-1.2	0.004			80	Opalinski 1991
II	483.Mysidacea	Mysidae	Paramysis kessleri	MIN	2.3272	1.6456	0.03	20					Braginski 1957
II	484.Mysidacea	Mysidae	Paramysis kessleri		3.9899	2.8213	0.0515	20					Braginski 1957
II	485.Amphipoda	Paraphronimidae	Parandania boeckii	MIN	1.9424	0.389	0.395	1.8	0.076			80.8	Opalinski 1991
II	486.Amphipoda	Paraphronimidae	Parathemisto gaudichaudii	MIN	2.6677	0.44	0.07	-1	0.01312	0.074		?80	Ikeda 1988
II	487.Amphipoda	Paraphronimidae	Parathemisto gaudichaudii		4.4248	0.74	0.02	-0.8	0.00360	0.086		?80	Ikeda 1988
II	488.Amphipoda	Phronimidae	Phronima sedentaria	MIN	0.2036	0.072	0.086	10	0.0637	0.057		92.6	Childress 1975
II	489.Amphipoda	Phronimidae	Phronima sedentaria		0.9588	0.339	0.086	10	0.0637	0.057		92.6	Childress 1975
II	490.Amphipoda	Phronimidae	Phronima sp.	MIN	1.1351	1.472	0.145	28.75	8.17			94.4	Ikeda 1970
II	491.Amphipoda	Pontogeneiidae	Pontogeneia antarctica	MIN	10.9132	1.800	0.005	-1	0.001			80	Opalinski 1991
II	492.Isopoda	Porcellionidae	Porcellio laevis	MIN	0.7071	0.500	0.18	20					Byzova 1973 (data of Edney 1964)
II	493.Isopoda	Porcellionidae	Porcellio laevis		1.5712	1.111	0.012	20					Byzova 1973 (data of Edney 1964)
II	494.Isopoda	Porcellionidae	Porcellio scaber	MIN	0.9433	0.667	0.06	20					Byzova 1973 (data of Edney & Spencer 1955)
II	495.Isopoda	Porcellionidae	Porcellio scaber		1.5712	1.111	0.1	20					Byzova 1973 (data of Wieser 1963, 1965)
II	496.Isopoda	Porcellionidae	Porcellio scaber		1.8851	1.333	0.25	20					Byzova 1973 (data of Edney 1964)
II	497.Isopoda	Porcellionidae	Porcellio scaber		3.1424	2.222	0.007	20					Byzova 1973 (data of Will 1952)
II	498.Isopoda	Serolidae	Serolis cornuta	MIN	0.3076	0.049	2.775	-1.5					Luxmoore 1984
II	499.Isopoda	Serolidae	Serolis cornuta		0.3224	0.057	2.59	0					Luxmoore 1984
II	500.Isopoda	Serolidae	Serolis cornuta		0.4181	0.082	1.64	1.5					Luxmoore 1984
II	501.Isopoda	Serolidae	Serolis cornuta		0.4870	0.106	1.4	3					Luxmoore 1984
II	502.Isopoda	Serolidae	Serolis cornuta		1.7261	0.275	2.775	-1.5	0.555			80	Opalinski 1991
II	503.Isopoda	Serolidae	Serolis cornuta		1.8215	0.322	2.59	0	0.518			80	Opalinski 1991
II	504.Isopoda	Serolidae	Serolis cornuta		2.3554	0.462	1.64	1.5	0.328			80.5	Opalinski 1991
II	505.Isopoda	Serolidae	Serolis cornuta		2.7293	0.594	1.4	3	0.28			80	Opalinski 1991

II	506.Isopoda	Serolidae	Serolis polita	MIN	0.4205	0.067	0.345	-1.5	0.069		80	Opalinski 1991
II	507.Isopoda	Serolidae	Serolis polita		0.4503	0.098	0.35	3	0.07		80	Opalinski 1991
II	508.Isopoda	Serolidae	Serolis polita		0.4639	0.082	0.305	0	0.061		80	Opalinski 1991
II	509.Isopoda	Serolidae	Serolis polita		0.4792	0.094	0.3	1.5	0.06		80	Opalinski 1991
II	510.Isopoda	Asellidae	Stenasellus virei	MIN	0.82	0.31	0.012	11				Hervant et al. 1997
II	511.Amphipoda	Synopiidae	Synopia ultramarina	MIN	80.5855	115.6	0.0007	30.2	0.00009		87.1	Ikeda 1970
II	512.Amphipoda	Talitridae	Talitrus sylvaticus	MIN	0.7780	0.778	0.05	25				Byzova 1973 (data of Clark 1955)
II	513.Amphipoda	Talitridae	Talitrus sylvaticus		1.0720	1.072	0.021	25				Byzova 1973 (data of Clark 1955)
II	514.Amphipoda	Talitridae	Talitrus sylvaticus		1.3890	1.389	0.0085	25				Byzova 1973 (data of Clark 1955)
II	515.Amphipoda	Talitridae	Talitrus sylvaticus		2.5000	2.500	0.0015	25				Byzova 1973 (data of Clark 1955)
II	516.Amphipoda	Talitridae	Talorchestia megalophtalma	MIN	0.9977	0.839	0.388	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	517.Amphipoda	Talitridae	Talorchestia megalophtalma		1.1428	0.961	0.291	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	518.Amphipoda	Talitridae	Talorchestia megalophtalma		1.3081	1.100	0.23	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	519.Amphipoda	Talitridae	Talorchestia megalophtalma		1.3545	1.139	0.278	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	520.Amphipoda	Talitridae	Talorchestia megalophtalma		1.4663	1.233	0.225	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	521.Amphipoda	Talitridae	Talorchestia megalophtalma		1.5460	1.300	0.2	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	522.Amphipoda	Talitridae	Talorchestia megalophtalma		1.7041	1.433	0.155	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	523.Amphipoda	Talitridae	Talorchestia megalophtalma		1.7446	1.467	0.19	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	524.Amphipoda	Talitridae	Talorchestia megalophtalma		1.8635	1.567	0.12	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	525.Amphipoda	Talitridae	Talorchestia megalophtalma		2.2202	1.867	0.11	22.5				Byzova 1973 (data of Edwards & Irving 1943)
II	526.Amphipoda	Vibiliidae	Viblia antarctica	MIN	0.6716	0.11	0.061	-1.1	0.01214	0.082	780	Ikeda 1988
II	527.Amphipoda	Lysianassidae	Waldeckia obesa	MIN	0.8485	0.150	0.218	0	0.044		80	Opalinski 1991
II	528.Amphipoda	Lysianassidae	Waldeckia obesa		0.8498	0.161	0.238	1	0.048		80	Opalinski 1991
II	529.Amphipoda	Lysianassidae	Waldeckia obesa		1.0391	0.211	0.252	2	0.05		80	Opalinski 1991
II	530.Amphipoda	Lysianassidae	Waldeckia obesa		1.3907	0.217	0.295	-1.8	0.059		80	Opalinski 1991
II	531.Amphipoda	Lysianassidae	Waldeckia obesa		1.6188	0.267	0.229	-1	0.046		80	Opalinski 1991
II	532.Ostracoda	Halocyprididae	Conchoecia sp.	MIN	8.799	6.222	0.000079	20				Pavlova 1975
II	533.Ostracoda	Cypridinidae	Cypridina hilgendorffii	MIN	9.6244	13.611	0.00198	30	0.00035		82.3	Ikeda 1970
II	534.Ostracoda	Cypridinidae	Gigantocypris agassizii	MIN	0.0141	0.0033	5.7	4	0.26	0.030	95.4	Childress 1975
II	535.Ostracoda	Cypridinidae	Gigantocypris agassizii		0.0514	0.012	5.7	4	0.26	0.030	95.4	Childress 1975
II	536.Ostracoda	Cypridinidae	Gigantocypris mulleri	MIN	0.0909	0.015	1.84	-1.0	0.13966	0.084	92.4	Ikeda 1988
II	537.Ostracoda	Cypridinidae	Gigantocypris mulleri		0.1264	0.021	0.74	-0.9	0.04797	0.082	93.5	Ikeda 1988
II	538.Ostracoda	Cypridinidae	Gigantocypris mulleri		0.1339	0.024	1.88	0.2	0.16008	0.093	91.5	Ikeda 1988
II	539.Ostracoda	Cypridinidae	Gigantocypris mulleri		0.1953	0.035	0.81	0.2	0.05486	0.082	93.2	Ikeda 1988
II	540.Ostracoda	Cypridinidae	Pyrocypis sp.	MIN	8.8388	12.500	0.00045	30	0.00008		82.2	Ikeda 1970
III	541.Decapoda	Oplophoridae	Acanthephyra acutifrons	MIN	0.5968	0.211	8.64	10				Cowles et al. 1991
III	542.Decapoda	Oplophoridae	Acanthephyra acutifrons		0.8240	0.206	8.64	5				Cowles et al. 1991
III	543.Decapoda	Oplophoridae	Acanthephyra curtirostris	MIN	0.0662	0.0234	2.29	10				Cowles et al. 1991
III	544.Decapoda	Oplophoridae	Acanthephyra curtirostris		0.0904	0.0226	2.29	5				Cowles et al. 1991
III	545.Decapoda	Oplophoridae	Acanthephyra curtirostris		0.1468	0.038	3.53	5.5	0.85	0.085	75.9	Childress 1975
III	546.Decapoda	Oplophoridae	Acanthephyra curtirostris		3.1683	0.82	3.53	5.5	0.85	0.085	75.9	Childress 1975
III	547.Decapoda	Oplophoridae	Acanthephyra smithi	MIN	1.6405	0.58	3.84	10				Cowles et al. 1991
III	548.Decapoda	Oplophoridae	Acanthephyra smithi		1.9799	1.4	3.84	20				Cowles et al. 1991
III	549.Decapoda	Oplophoridae	Acanthephyra smithi		3.6400	0.91	3.84	5				Cowles et al. 1991
III	550.Decapoda	Axiidae	Calastacus quinqueseriatus	MIN	0.1665	0.035	3.21	2.5				Childress et al. 1990
III	551.Decapoda	Axiidae	Calastacus quinqueseriatus		0.4000	0.10	3.13	5				Childress et al. 1990
III	552.Decapoda	Axiidae	Calastacus quinqueseriatus		0.4808	0.17	1.73	10				Childress et al. 1990
III	553.Decapoda	Axiidae	Calastacus quinqueseriatus		0.5400	0.27	1.38	15				Childress et al. 1990
III	554.Decapoda	Callianideidae	Callinectes sapidus	MIN	0.5739	0.4058	142.4	20				Lewis & Haefner 1976
III	555.Decapoda	Callianideidae	Callinectes sapidus		0.6863	0.4853	134.1	20				Lewis & Haefner 1976
III	556.Decapoda	Callianideidae	Callinectes sapidus		0.7689	0.5437	158.9	20				Lewis & Haefner 1976
III	557.Decapoda	Callianideidae	Callinectes sapidus		0.7771	0.5495	107.2	20				Lewis & Haefner 1976

III	558.Decapoda	Cancridae	Cancer magister	MIN	0.5565	0.3935	948	20											Cameron 1975
III	559.Decapoda	Cancridae	Cancer pagurus	MIN	0.093	0.033	460	10											Aldrich 1975
III	560.Decapoda	Portunidae	Carcinus maenas	MIN	0.3718	0.2629	52.8	20											Taylor et al. 1977
III	561.Decapoda	Portunidae	Carcinus maenas		0.3847	0.2720	52.8	20											Taylor et al. 1977
III	562.Decapoda	Portunidae	Carcinus maenas		0.5261	0.372	13.3	20											Ivlev & Sutschenya 1961
III	563.Decapoda	Portunidae	Carcinus maenas		0.6180	0.437	12.7	20											Ivlev & Sutschenya 1961
III	564.Decapoda	Parastacidae	Cherax destructor	MIN	0.4243	0.30	53	20											Ellis & Morris 1995
III	565.Decapoda	Hyppolitidae	Chorismus antarcticus	MIN	0.8465	0.133	2.273	-1.7	0.593				74						Opalinski 1991
III	566.Decapoda	Hyppolitidae	Chorismus antarcticus		1.5759	0.320	5	2	1				80						Opalinski 1991
III	567.Decapoda		Cleistosoma edwardsii	MIN	1.6973	1.2002	0.818	20											Dye & van der Veen 1980
III	568.Decapoda		Cleistosoma edwardsii		1.8429	1.3031	0.818	20											Dye & van der Veen 1980
III	569.Decapoda	Coenobitidae	Coenobita compressus	MIN	0.7979	0.5642	3.5	20											Herreid & Full 1986
III	570.Decapoda	Coenobitidae	Coenobita compressus		1.0936	0.7733	3.7	20											Herreid & Full 1986
III	571.Decapoda	Crangonidae	Crangon abyssorum	MIN	0.2624	0.078	1.20	7.5											Childress et al. 1990
III	572.Decapoda	Crangonidae	Crangon abyssorum		0.4383	0.089	1.28	2.0											Childress et al. 1990
III	573.Decapoda	Crangonidae	Crangon affinis	MIN	1.4159	1.0012	0.0506	20											Ikeda 1970
III	574.Decapoda	Crangonidae	Crangon communis	MIN	0.5346	0.189	2.91	10											Childress et al. 1990
III	575.Decapoda	Crangonidae	Crangon communis		0.7120	0.178	4.69	5											Childress et al. 1990
III	576.Decapoda	Crangonidae	Crangon communis		0.9780	0.489	2.14	15											Childress et al. 1990
III	577.Decapoda	Xanthidae	Eriphia spinifrons	MIN	0.27	0.193	350	20											Sutschenya & Abolmasova 1973
III	578.Decapoda	Gecarcinidae	Gecarcinus lateralis	MIN	0.0987	0.0698	40	20											Taylor & Davies 1981
III	579.Decapoda	Gecarcinidae	Gecarcinus lateralis		0.1754	0.1240	20	20											Taylor & Davies 1981
III	580.Decapoda	Gecarcinidae	Gecarcinus lateralis		0.3179	0.2248	140	20											Cameron 1975
III	581.Decapoda	Gecarcinidae	Gecarcinus lateralis		0.4387	0.3102	10	20											Taylor & Davies 1981
III	582.Decapoda	Gecarcinidae	Gecarcinus lateralis		0.5920	0.4186	53.4	20											Herreid et al. 1983
III	583.Decapoda	Aristeidae/Sergestidae	Gecarcoidea natalis	MIN	0.7000	0.70	160	25											Adamczewska & Morris 1994
III	584.Decapoda	Aristeidae/Sergestidae	Gennadas kempi /Petalidium foliaceum	MIN	1.1635	0.21	1.64	0.3	0.49434	0.074	69.8								Ikeda 1988
III	585.Decapoda	Aristeidae/Sergestidae	Gennadas kempi /Petalidium foliaceum		1.4505	0.26	0.96	0.2	0.28837	0.078	70.1								Ikeda 1988
III	586.Decapoda	Aristeidae/Sergestidae	Gennadas kempi /Petalidium foliaceum		1.5063	0.27	0.55	0.2	0.16089	0.080	71.0								Ikeda 1988
III	587.Decapoda	Aristeidae	Gennadas propinquus	MIN	0.4134	0.107	1.62	5.5	0.378	0.089	76.7								Childress 1975
III	588.Decapoda	Aristeidae	Gennadas propinquus		1.0432	0.27	1.62	5.5	0.378	0.089	76.7								Childress 1975
III	589.Decapoda	Glyphocrangonidae	Glyphocrangon vicaria	MIN	0.5278	0.20	9.85	11											Childress et al. 1990
III	590.Decapoda	Glyphocrangonidae	Glyphocrangon vicaria		0.5909	0.12	9.71	2											Childress et al. 1990
III	591.Decapoda	Grapsidae	Hemigrapsus nudus	MIN	0.0106	0.0075	20	20											Dehnel 1960
III	592.Decapoda	Grapsidae	Hemigrapsus nudus		0.0151	0.0107	20	20											Dehnel 1960
III	593.Decapoda	Grapsidae	Hemigrapsus oregonensis	MIN	0.0150	0.0106	20	20											Dehnel 1960
III	594.Decapoda	Grapsidae	Hemigrapsus oregonensis		0.0199	0.0141	20	20											Dehnel 1960
III	595.Decapoda	Sundathelphusidae	Holthuisana transversa	MIN	0.1481	0.1047	30	20											MacMillen 1978
III	596.Decapoda	Sundathelphusidae	Holthuisana transversa		0.1921	0.1358	20	20											MacMillen 1978
III	597.Decapoda	Sundathelphusidae	Holthuisana transversa		0.2249	0.1590	15	20											MacMillen 1978
III	598.Decapoda	Sundathelphusidae	Holthuisana transversa		0.2572	0.1819	12	20											MacMillen 1978
III	599.Decapoda	Sundathelphusidae	Holthuisana transversa		0.3015	0.2132	10	20											MacMillen 1978
III	600.Decapoda	Sundathelphusidae	Holthuisana transversa		0.4332	0.3063	5	20											MacMillen 1978
III	601.Decapoda	Sundathelphusidae	Holthuisana transversa		0.7577	0.5358	2	20											MacMillen 1978
III	602.Decapoda	Nephropidae	Homarus americanus	MIN	0.3454	0.2442	180	20											Penkoff & Thurberg 1982
III	603.Decapoda	Oplophoridae	Hymenodora frontalis	MIN	0.3516	0.091	1.4	5.5	0.507	0.059	63.8								Childress 1975
III	604.Decapoda	Oplophoridae	Hymenodora frontalis		0.6993	0.181	1.4	5.5	0.507	0.059	63.8								Childress 1975
III	605.Decapoda	Oplophoridae	Janicella spinicauda	MIN	1.7819	0.63	0.35	10											Cowles et al. 1991
III	606.Decapoda	Oplophoridae	Janicella spinicauda		2.7153	1.92	0.35	20											Cowles et al. 1991
III	607.Decapoda	Sergestidae	Lucifer typus	MIN	10.9115	6.267	0.000466	17	0.000068				85.4						Ikeda 1970
III	608.Decapoda	Hippolytidae	Lysmata sp.	MIN	5.0678	7.167	0.0109	30	0.00147				86.5						Ikeda 1970
III	609.Decapoda	Palaemonidae	Macrobrachium acanthurus	MIN	1.3011	0.92	1.7	20	0.5				?71						Moreira et al. 1983

III	610.Decapoda	Palaemonidae	Macrobrachium heterochirus	MIN	1.2587	0.89	2.6	20	0.75	?	71	Moreira et al. 1983
III	611.Decapoda	Palaemonidae	Macrobrachium olfersi	MIN	0.8485	0.60	1.2	20	0.35	?	71	Moreira et al. 1983
III	612.Decapoda	Palaemonidae	Macrobrachium potiuna	MIN	0.6930	0.49	0.68	20	0.2	?	71	Moreira et al. 1983
III	613.Decapoda	Majidae	Maja squinado	MIN	0.063	0.022	591	10				Aldrich 1975
III	614.Decapoda	Xanthidae	Menippe mercenaria	MIN	0.1732	0.1225	31.6	20				Leffler 1973
III	615.Decapoda	Xanthidae	Menippe mercenaria		3.2227	2.2788	0.0242	20				Moots & Epifanio 1974
III	616.Decapoda	Xanthidae	Menippe mercenaria		6.5721	4.6472	0.000303	20				Moots & Epifanio 1974
III	617.Decapoda	Panaeidae	Metapenaeus pruinus	MIN	2.6248	1.856	0.184	20				Reiche 1968
III	618.Decapoda	Galatheidae	Munidopsis verrilli	MIN	0.1427	0.03	5.62	2.5				Childress et al. 1990
III	619.Decapoda	Crangonidae	Notocrangon antarcticus	MIN	2.6543	0.539	1	2	0.4		60	Opalinski 1991
III	620.Decapoda	Oplophoridae	Notostomus elegans	MIN	0.6680	0.167	22.54	5				Cowles et al. 1991
III	621.Decapoda	Oplophoridae	Notostomus elegans		1.0126	0.358	22.54	10				Cowles et al. 1991
III	622.Decapoda	Oplophoridae	Notostomus gibbosus	MIN	0.2400	0.06	10.40	5				Cowles et al. 1991
III	623.Decapoda	Oplophoridae	Notostomus gibbosus		0.4525	0.16	10.40	10				Cowles et al. 1991
III	624.Decapoda	Oplophoridae	Notostomus sp.	MIN	0.1158	0.027	40	4	2.8	0.086	93.0	Childress 1975
III	625.Decapoda	Oplophoridae	Notostomus sp.		0.1801	0.042	40	4	2.8	0.086	93.0	Childress 1975
III	626.Decapoda	Ocypodidae	Ocypode platytarsis	MIN	0.7846	0.5548	10	20				Veerannan 1974
III	627.Decapoda	Ocypodidae	Ocypode platytarsis		1.0964	0.7753	5	20				Veerannan 1974
III	628.Decapoda	Ocypodidae	Ocypode platytarsis		1.3620	0.9631	3	20				Veerannan 1974
III	629.Decapoda	Ocypodidae	Ocypode platytarsis		1.6542	1.1697	2	20				Veerannan 1974
III	630.Decapoda	Ocypodidae	Ocypode platytarsis		1.7603	2.022	3.58	27				Veerannan 1974
III	631.Decapoda	Ocypodidae	Ocypode platytarsis		2.2691	1.6045	1	20				Veerannan 1974
III	632.Decapoda	Ocypodidae	Ocypode platytarsis		3.1735	2.2440	0.5	20				Veerannan 1974
III	633.Decapoda	Ocypodidae	Ocypode quadrata	MIN	0.4131	0.2921	70.9	20				Full 1987
III	634.Decapoda	Ocypodidae	Ocypode quadrata		0.7084	0.5009	26.9	20				Full 1987
III	635.Decapoda	Ocypodidae	Ocypode quadrata		0.8690	0.8108	33.3	24				Full 1987
III	636.Decapoda	Ocypodidae	Ocypode quadrata		1.4771	1.0445	2.1	20				Full 1987
III	637.Decapoda	Oplophoridae	Oplophorus gracilorostris	MIN	3.7335	1.32	2.58	10				Cowles et al. 1991
III	638.Decapoda	Oplophoridae	Oplophorus gracilorostris		4.0871	2.89	2.58	20				Cowles et al. 1991
III	639.Decapoda	Oplophoridae	Oplophorus gracilorostris		6.5200	1.63	2.58	5				Cowles et al. 1991
III	640.Decapoda	Oplophoridae	Oplophorus spinosus	MIN	1.7876	0.632	2.92	10				Cowles et al. 1991
III	641.Decapoda	Oplophoridae	Oplophorus spinosus		4.1295	2.92	2.92	20				Cowles et al. 1991
III	642.Decapoda	Oplophoridae	Oplophorus spinosus		4.2000	1.05	2.92	5				Cowles et al. 1991
III	643.Decapoda	Grapsidae	Pachygrapsus marmoratus	MIN	0.5791	0.4095	14.7	20				Abolmasova 1970
III	644.Decapoda	Grapsidae	Pachygrapsus marmoratus		0.6817	0.482	5.3	20				Ivlev & Sutschenya 1961
III	645.Decapoda	Grapsidae	Pachygrapsus marmoratus		0.6913	0.4888	7.77	20				Abolmasova 1970
III	646.Decapoda	Grapsidae	Pachygrapsus marmoratus		0.6995	0.4946	0.152	20				Ivlev & Sutschenya 1961
III	647.Decapoda	Grapsidae	Pachygrapsus marmoratus		0.7623	0.5390	5.09	20				Abolmasova 1970
III	648.Decapoda	Grapsidae	Pachygrapsus marmoratus		0.8573	0.6062	3.23	20				Abolmasova 1970
III	649.Decapoda	Grapsidae	Pachygrapsus marmoratus		1.1936	0.844	4.4	20				Ivlev & Sutschenya 1961
III	650.Decapoda	Palaemonidae	Palaemon adspersus	MIN	1.5322	1.0834	3.2	20				Romanova & Khmeleva 1978
III	651.Decapoda	Palaemonidae	Palaemon adspersus		1.6787	1.1870	3.28	20				Romanova & Khmeleva 1978
III	652.Decapoda	Palaemonidae	Palaemon adspersus		3.4019	2.4055	0.132	20				Romanova & Khmeleva 1978
III	653.Decapoda	Palaemonidae	Palaemon adspersus		3.5702	2.5245	0.1	20				Romanova & Khmeleva 1978
III	654.Decapoda	Pandalidae	Pandalopsis ampla	MIN	0.2994	0.089	9.55	7.5				Childress et al. 1990
III	655.Decapoda	Pandalidae	Pandalopsis ampla		0.5054	0.11	5.96	3				Childress et al. 1990
III	656.Decapoda	Pandalidae	Pandalus jordani	MIN	0.6800	0.34	12.80	15				Childress et al. 1990
III	657.Decapoda	Pandalidae	Pandalus jordani		0.9617	0.34	12.67	10				Childress et al. 1990
III	658.Decapoda	Pandalidae	Pandalus jordani		1.0000	0.25	12.08	5				Childress et al. 1990
III	659.Decapoda	Pandalidae	Pandalus platyceros	MIN	0.8200	0.41	32.26	15				Childress et al. 1990
III	660.Decapoda	Pandalidae	Pandalus platyceros		0.9200	0.23	25.40	5				Childress et al. 1990
III	661.Decapoda	Pandalidae	Pandalus platyceros		0.9334	0.33	40.89	10				Childress et al. 1990

III	662.Decapoda	Xanthidae	Panopeus herbstii	MIN	0.4110	0.2906	10	20											Leffler 1973
III	663.Decapoda	Xanthidae	Panopeus herbstii		0.5483	0.3877	1	20											Leffler 1973
III	664.Decapoda	Lithodidae	Paralomis multispina	MIN	0.3079	0.067	7.64	3											Childress et al. 1990
III	665.Decapoda	Parathelphusidae	Parathelphusa hydrodromus	MIN	0.3079	0.2177	10	20											Kotaiah & Rajabai 1972
III	666.Decapoda	Parathelphusidae	Parathelphusa hydrodromus		0.3610	0.2553	10	20											Kotaiah & Rajabai 1972
III	667.Decapoda	Pasiphaeidae	Pasiphaea chacei	MIN	1.4194	0.422	1.73	7.5	0.353	0.101	79.5								Childress 1975
III	668.Decapoda	Pasiphaeidae	Pasiphaea chacei		2.4117	0.717	1.73	7.5	0.353	0.101	79.5								Childress 1975
III	669.Decapoda	Pasiphaeidae	Pasiphaea emarginata	MIN	0.2705	0.07	11.07	5.5	2.58	0.077	76.7								Childress 1975
III	670.Decapoda	Pasiphaeidae	Pasiphaea emarginata		2.7819	0.72	11.07	5.5	2.58	0.077	76.7								Childress 1975
III	671.Decapoda	Pasiphaeidae	Pasiphaea pacifica	MIN	1.3791	0.41	1.91	7.5	0.37		80.4								Childress 1975
III	672.Decapoda	Pasiphaeidae	Pasiphaea pacifica		1.8163	0.54	1.91	7.5	0.37		80.4								Childress 1975
III	673.Decapoda	Pasiphaeidae	Pasiphaea scotiae	MIN	1.3297	0.24	0.61	0.3	0.19591	0.062	68.0								Ikeda 1988
III	674.Decapoda	Pasiphaeidae	Pasiphaea scotiae		1.3390	0.24	1.26	0.2	0.40320	0.052	68.0								Ikeda 1988
III	675.Decapoda	Penaeidae	Penaeus sp.	MIN	3.0088	1.239	0.103	12.2	0.01558		84.9								Ikeda 1970
III	676.Decapoda	Pandalidae	Plesionika sp.	MIN	2.0478	0.53	1.92	5.5	0.43	0.099	77.7								Childress 1975
III	677.Decapoda	Pandalidae	Plesionika sp.		4.1342	1.07	1.92	5.5	0.43	0.099	77.7								Childress 1975
III	678.Decapoda	Galatheididae	Pleuoncodes planipes	MIN	1.1200	0.56	1.9	15	0.47	0.065	75.4								Childress 1975
III	679.Decapoda	Crangonidae	Sabinea septemcarinata	MIN	1.0748	0.19	4.1	0											Schmid 1996
III	680.Decapoda	Crangonidae	Sclerocrangon ferox	MIN	0.3790	0.067	13	0											Schmid 1996
III	681.Decapoda	Scyllaridae	Scylla serrata	MIN	1.0711	0.7574	10	20											Veerannan 1972
III	682.Decapoda	Scyllaridae	Scylla serrata		1.3964	0.9874	5	20											Veerannan 1972
III	683.Decapoda	Scyllaridae	Scylla serrata		1.6636	1.911	3.58	27											Veerannan 1974
III	684.Decapoda	Scyllaridae	Scylla serrata		1.6661	1.1781	3	20											Veerannan 1972
III	685.Decapoda	Scyllaridae	Scylla serrata		1.9041	1.3464	2	20											Veerannan 1972
III	686.Decapoda	Scyllaridae	Scylla serrata		1.9332	1.367	3.58	20											Veerannan 1972
III	687.Decapoda	Scyllaridae	Scylla serrata		2.5230	1.7840	1	20											Veerannan 1972
III	688.Decapoda	Scyllaridae	Scylla serrata		3.1577	2.2328	0.5	20											Veerannan 1972
III	689.Decapoda	Sergestidae	Sergestes bisulcatus	MIN	1.2800	0.32	2.54	5											Cowles et al. 1991
III	690.Decapoda	Sergestidae	Sergestes bisulcatus		1.3011	0.92	2.54	20											Cowles et al. 1991
III	691.Decapoda	Sergestidae	Sergestes bisulcatus		1.6405	0.58	2.54	10											Cowles et al. 1991
III	692.Decapoda	Sergestidae	Sergestes fulgens	MIN	1.8800	0.47	1.06	5											Cowles et al. 1991
III	693.Decapoda	Sergestidae	Sergestes fulgens		2.4042	0.85	1.06	10											Cowles et al. 1991
III	694.Decapoda	Sergestidae	Sergestes fulgens		3.5355	2.5	1.06	20											Cowles et al. 1991
III	695.Decapoda	Sergestidae	Sergestes phorcus	MIN	0.4868	0.126	3.951	5.5	0.89	0.103	77.5								Childress 1975
III	696.Decapoda	Sergestidae	Sergestes phorcus		1.5880	0.411	3.951	5.5	0.89	0.103	77.5								Childress 1975
III	697.Decapoda	Sergestidae	Sergestes similis	MIN	1.3633	0.482	0.57	10	0.133	0.110	76.6								Childress 1975
III	698.Decapoda	Sergestidae	Sergestes similis		4.5255	1.60	0.57	10	0.133	0.110	76.6								Childress 1975
III	699.Decapoda	Sergestidae	Sergestes tenuiremis	MIN	0.7600	0.19	2.61	5											Cowles et al. 1991
III	700.Decapoda	Sergestidae	Sergestes tenuiremis		0.8344	0.59	2.61	20											Cowles et al. 1991
III	701.Decapoda	Sergestidae	Sergestes tenuiremis		1.4142	0.50	2.61	10											Cowles et al. 1991
III	702.Decapoda	Grapsidae	Sesarma quadratus	MIN	1.1821	0.8359	5	20											Veerannan 1974
III	703.Decapoda	Grapsidae	Sesarma quadratus		1.4810	1.0472	3	20											Veerannan 1974
III	704.Decapoda	Grapsidae	Sesarma quadratus		1.7731	1.2538	2	20											Veerannan 1974
III	705.Decapoda	Grapsidae	Sesarma quadratus		2.3880	1.6886	1	20											Veerannan 1974
III	706.Decapoda	Grapsidae	Sesarma quadratus		3.3163	2.3450	0.5	20											Veerannan 1974
III	707.Decapoda	Sicyoniidae	Sicyonia igentis	MIN	0.6788	0.24	19.26	10											Childress et al. 1990
III	708.Decapoda	Sicyoniidae	Sicyonia igentis		1.3000	0.65	19.03	15											Childress et al. 1990
III	709.Decapoda	Polychelidae	Stereomastis sculpta	MIN	0.1189	0.025	16.76	2.5											Childress et al. 1990
III	710.Decapoda	Grapsidae	Systellaspis cristata	MIN	0.3130	0.081	1.39	5.5	0.378	0.065	72.8								Childress 1975
III	711.Decapoda	Grapsidae	Systellaspis cristata		3.0485	0.789	1.39	5.5	0.378	0.065	72.8								Childress 1975
III	712.Decapoda	Oplophoridae	Systellaspis debilis	MIN	1.2000	0.30	1.22	5											Cowles et al. 1991
III	713.Decapoda	Oplophoridae	Systellaspis debilis		1.3718	0.97	1.22	20											Cowles et al. 1991

III	714. Decapoda	Oplophoridae	Systellaspis debilis		1.5274	0.54	1.22	10	Cowles et al. 1991
III	715. Decapoda	Ocypodidae	Uca leptodactyla	MIN	0.5319	0.3761	0.27	20	Vernberg 1959
III	716. Decapoda	Ocypodidae	Uca minax	MIN	0.2703	0.1911	6.37	20	Vernberg 1959
III	717. Decapoda	Ocypodidae	Uca mordax	MIN	0.4766	0.3370	2.58	20	Vernberg 1959
III	718. Decapoda	Ocypodidae	Uca pugnax	MIN	0.2516	0.1779	2.21	20	Silverthorn 1975
III	719. Decapoda	Ocypodidae	Uca pugnax		0.3240	0.2291	2.26	20	Silverthorn 1975
III	720. Decapoda	Ocypodidae	Uca pugnax		0.4134	0.2923	2.61	20	Silverthorn 1975
III	721. Decapoda	Ocypodidae	Uca pugnax		0.4284	0.3029	3	20	Vernberg 1959
III	722. Decapoda	Ocypodidae	Uca pugnax		0.4718	0.3336	2.27	20	Silverthorn
III	723. Decapoda	Ocypodidae	Uca rapax	MIN	0.5234	0.3701	3.85	20	Vernberg 1959
III	724. Decapoda	Ocypodidae	Uca rapax		0.5951	0.4208	2.48	20	Vernberg 1959
III	725. Decapoda	Ocypodidae	Uca thayeri	MIN	0.3651	0.2582	4.65	20	Vernberg 1959
III	726. Decapoda	Xanthidae	Xantho hydrophilus	MIN	0.3294	0.2329	8.31	20	Abolmasova 1969
III	727. Decapoda	Xanthidae	Xantho hydrophilus		0.3462	0.2448	16.52	20	Abolmasova 1969
III	728. Decapoda	Xanthidae	Xantho hydrophilus		0.3953	0.2795	5.8	20	Abolmasova 1969
III	729. Decapoda	Xanthidae	Xantho hydrophilus		0.3956	0.2797	13.7	20	Abolmasova 1969
III	730. Decapoda	Xanthidae	Xantho hydrophilus		0.4121	0.2914	11.3	20	Abolmasova 1969
III	731. Decapoda	Xanthidae	Xantho hydrophilus		0.4837	0.3420	6.2	20	Abolmasova 1969
III	732. Decapoda	Xanthidae	Xantho hydrophilus		0.4871	0.3444	4.61	20	Abolmasova 1969
III	733. Decapoda	Xanthidae	Xantho hydrophilus		0.5030	0.3557	3.06	20	Abolmasova 1969
III	734. Decapoda	Xanthidae	Xantho hydrophilus		0.5268	0.3725	2.5	20	Abolmasova 1969
III	735. Decapoda	Xanthidae	Xantho hydrophilus		0.5432	0.3841	3.9	20	Abolmasova 1969
III	736. Decapoda	Xanthidae	Xantho hydrophilus		0.6107	0.4318	1.91	20	Abolmasova 1969
III	737. Decapoda	Xanthidae	Xantho hydrophilus		0.7662	0.5418	0.906	20	Abolmasova 1969
IV	738. Cephalopoda	Octopodidae	Bathypolypus articus	MIN	1.4625	0.2340	3.0	5	Seibel 2007
IV	739. Cephalopoda	Cranchidae	Cranchia scabra	MIN	0.2256	0.0361	35.39	5	Seibel 2007
IV	740. Cephalopoda	Ommastrephidae	Dosidicus gigas	MIN	2.7225	0.4356	12200	5	Seibel 2007
IV	741. Cephalopoda	Octopodidae	Eledone cirrhosa	MIN	0.9100	0.1456	150	5	Seibel 2007
IV	742. Cephalopoda	Bolitaenidae	Eledonella pygmaea	MIN	0.0388	0.0062	20.2	5	Seibel 2007
IV	743. Cephalopoda	Cranchidae	Galiteuthis phyllura	MIN	0.4744	0.0759	5.19	5	Seibel 2007
IV	744. Cephalopoda	Gonatidae	Gonatus onyx	MIN	1.9525	0.3124	0.117	5	Seibel 2007
IV	745. Cephalopoda	Gonatidae	Gonatus pyros	MIN	2.4513	0.3922	3.840	5	Seibel 2007
IV	746. Cephalopoda	Cranchidae	Helicocranchia pfeferi	MIN	0.3188	0.0510	3.60	5	Seibel 2007
IV	747. Cephalopoda	Histioteuthidae	Histioteuthis heteropsis	MIN	0.3500	0.0560	36.98	5	Seibel 2007
IV	748. Cephalopoda	Histioteuthidae	Histioteuthis hoylei	MIN	0.8813	0.1410	8.51	5	Seibel 2007
IV	749. Cephalopoda	Ommastrephidae	Illex illecebrosus	MIN	3.1113	0.4978	443	5	Seibel 2007
IV	750. Cephalopoda	Bolitaenidae	Japetella diaphana	MIN	0.0313	0.0050	242.17	5	Seibel 2007
IV	751. Cephalopoda	Bolitaenidae	Japetella heathi	MIN	0.0231	0.0037	162.50	5	Seibel 2007
IV	752. Cephalopoda	Cranchidae	Liocranchia pacificus	MIN	0.1869	0.0299	2.12	5	Seibel 2007
IV	753. Cephalopoda	Cranchidae	Liocranchia valdivia	MIN	0.2100	0.0336	21.28	5	Seibel 2007
IV	754. Cephalopoda	Loliginidae	Loligo forbesi	MIN	3.2513	0.5202	937	5	Seibel 2007
IV	755. Cephalopoda	Loliginidae	Loligo opalescens	MIN	4.3013	0.6882	30.0	5	Seibel 2007
IV	756. Cephalopoda	Loliginidae	Loligo pealei	MIN	5.9888	0.9582	100	5	Seibel 2007
IV	757. Cephalopoda	Loliginidae	Lolliguncula brevis	MIN	3.0025	0.4804	41.10	5	Seibel 2007
IV	758. Cephalopoda	Cranchidae	Megalocranchia sp.	MIN	0.3031	0.0485	47.9	5	Seibel 2007
IV	759. Cephalopoda	Octopodidae	Octopus bimaculoides	MIN	0.4431	0.0709	360	5	Seibel 2007
IV	760. Cephalopoda	Octopodidae	Octopus briareus	MIN	0.5081	0.0813	345.5	5	Seibel 2007
IV	761. Cephalopoda	Octopodidae	Octopus californicus	MIN	0.3031	0.0485	330	5	Seibel 2007
IV	762. Cephalopoda	Octopodidae	Octopus cyanea	MIN	0.7700	0.1232	1150	5	Seibel 2007
IV	763. Cephalopoda	Octopodidae	Octopus dofleini	MIN	0.2331	0.0373	8200	5	Seibel 2007
IV	764. Cephalopoda	Octopodidae	Octopus maya	MIN	1.9056	0.3049	45.1	5	Seibel 2007
IV	765. Cephalopoda	Octopodidae	Octopus micropyrsus	MIN	1.2831	0.2053	4.65	5	Seibel 2007





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