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*Supplement of*

## **Influence of the summer deep-sea circulations on passive drifts among the submarine canyons in the northwestern Mediterranean Sea**

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## Supporting information

Table S1. Pelagic Larval Duration (PLD) according to the water temperature by species of the family Penaeidae

Species	PLD (Day)	Water temperature (°C)	Reference
<i>Artemesia longinaris</i>	24 32	24 16	Boschi and Scelzo, 1974
	32.5 28	17 20	Boschi and Scelzo, 1977
<i>Litopenaeus stylirostris</i>	15	30	Kitani, 1986
	15	28.25	Prahl and Gardeazábal, 1977
<i>Macropetasma africanus</i>	14 25 21 17	25 15 18 22	Cockcroft and Emmerson, 1984
	19.5	22	Cockcroft, 1985
<i>Metapenaeopsis barbata</i>	10	28.4	Ronquillo and Saisho, 1997
<i>M. dalei</i>	15.8	25	Choi and Hong, 2001
<i>M. stridulans</i>	16.50	25.75	Chong and Sasekumar, 1994
<i>Metapenaeus affinis</i>	15.25	27.5	Hassan, 1980
	15.54	26.1	Muthu et al., 1979a
	13.41 12.56 11.70	29.7 28.8 29.7	Thomas et al., 1974
	17.25	30	Tirmizi et al., 1981
<i>M. bennettiae</i>	17.07	26	Preston, 1985a
<i>M. brevicornis</i>	23.5	27	Teng, 1971
<i>M. dalli</i>	12	26	Crisp et al., 2016
<i>M. dobsoni</i>	15.5 13.33	26.15 30	Chu et al., 1996
	13 10	26 30	Muthu et al., 1974a
<i>M. ensis</i>	12.5	27	Leong et al., 1992
	10.38875	29	Ronquillo and Saisho, 1993
	22.87 22	22.5 24	Lee and Lee, 1969
<i>M. macleayi</i>	16.04	26	Preston, 1985b
<i>M. monoceros</i>	11	28	Kumlu et al., 2001
	19.16	26.1	Mohamed et al., 1979
<i>M. moyebi</i>	14	26.5	Kurata and Vanitchkul, 1974
	16.39 18.6	31 29	Nandakumar et al., 1989
<i>Parapenaeopsis stylifera</i>	15.8	25	Hassan, 1984

	20.625	26.65	Muthu et al., 1979b
<i>P. aztecus</i>	17 12.5 11	24 28 32	Cook and Murphy, 1969
<i>P. brevisrostris</i>	9.90	27	Kitani, 1997
<i>P. californiensis</i>	11.44	29	Kitani and Alvarado, 1982
	12 17	27 23.5	Rodriguez de la Cruz, 1975
	18 14 12 10	30 28 25 22	Villarreal, Hernandez-Llamas, 2005
<i>P. chinensis</i>	21.29	19.5	Oka, 1967
<i>P. duorarum</i>	11	28	Cripe, 1997
	17.9375 30	26 21	Ewald, 1965
	10.32	30	Kitani, 1985
<i>P. esculentus</i>	9.25	26.25	Fielder et al., 1975
<i>P. indicus</i>	13.565	25.6	Muthu et al., 1974b
<i>P. japonicus</i>	12	28	Hudinaga, 1942
	10	28	Hudinaga and Miyamura, 1965
<i>P. kerathurus</i>	12	27.5	Klaoudatos, S., 1978
	10.375	29.5	Türkmen, 2003
	16 16.6	24 25	Yufer et al., 1984
<i>P. latisulcatus</i>	12.7 31.3 34 21 17 14	24.4 17.1 17 20 22.5 25	Roberts et al., 2012
	8	29.2	Shokita, 1970
<i>P. marginatus</i>	15 11	25 30	Gopalakrishnan, 1976
	12 11 10 11 11	28 28 28 28 28	Beard, 1977
	9.25	27.5	Motoh and Buri, 1979
<i>P. monodon</i>	10.5 8 14	28 33 23	Reyes, 1985
	12.41	27.5	Silas et al., 1979

	12 11 8 7 8	24 26 28 30 32	Surech Babu, 2013
	12.6	28.8	Villalus et al., 1969
<i>P. occidentalis</i>	10.76	27	Kitani, 1996
<i>P. paulensis</i>	25.5 18.5	20 25	Boff and Marchiori, 1984
	8.5	26	Lemos and Phan, 2001
<i>P. penicillatus</i>	8.125	31.23	Heng and Rui-Yu, 1994
	10	25.5	Pan and Yu, 1989
<i>P. plebejus</i>	16.48	26	Preston, 1985b
<i>P. schmitti</i>	12.5	28.5	Pinto and Ewald, 1974
<i>P. semisulcatus</i>	12.16	31	Devarajan, 1978
	16.04	28	Hassan, 1982
	12 26 10 8 8 30 34	22 10 26 30 34 8 8	Kumlu et al., 2000
	12	25.5	Kungvankij et al., 1972
	9.30	29	Ronquillo et al., 2006
	11 19.5	30 22	Cook, unpublished
<i>P. vannamei</i>	11	33	Andrade-Vizcaino, 2010
<i>Trachypenaeus curvirostris</i>	11	26	Ronquillo and Saisho, 1995

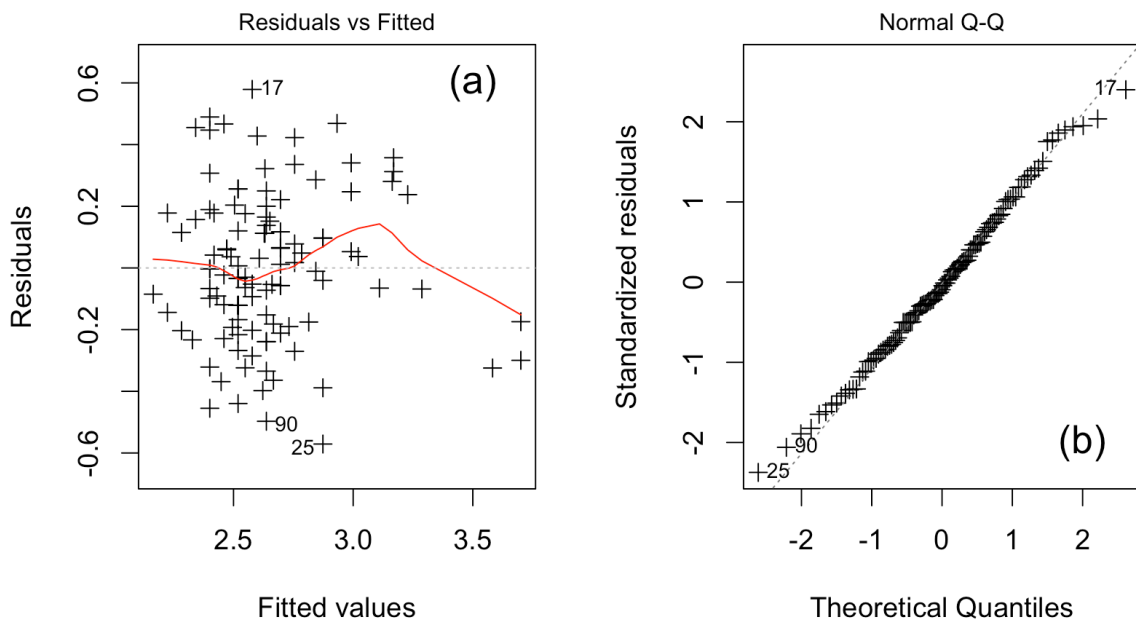


Figure S1. Residuals diagnostics for the linear model of the Pelagic Larval Duration in function of the water temperature. Deviance residuals against linear predictor (a) and QQ-plot of deviance residuals (b).

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