

Supplementary material

Vital rates of larval fish from Coastal Newfoundland, Canada

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The information in the following tables are linked to the study by Pepin (2024).

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Table S1. Vital rate, data type, species (Family), length range and number of larvae considered in the standardization of data, and source for feeding analyses.

Vital rate	Data type	Species (Family)	Length range (mm); number of larvae	Source
Stomach content (Feeding)	• Number of prey per stomach	<i>Clupea harengus</i> (Clupeidae)	6-16; 146	Pepin and Penney (1997), Pepin and Penney (2000), Pepin (2023)
		<i>Mallotus villosus</i> (Osmeridae)	4-20; 187	
	• Identified to lowest taxonomic level	<i>Gadus morhua</i> (Gadidae)	3-20; 206	
		<i>Glyptocephalus cynoglossus</i> (Pleuronectidae)	4-18; 272	
		<i>Myzopsetta ferruginea</i> (Pleuronectidae)	2-12; 190	
		<i>Hippoglossoides platessoides</i> (Pleuronectidae)	3-18; 176	
		<i>Pseudopleuronectes americanus</i> (Pleuronectidae)	2-7; 202	
		<i>Tautoglabrus adspersus</i> (Labridae)	2-9; 184	
		<i>Ulvaria subbifurcata</i> (Stichaeidae)	6-14; 154	
		<i>Stichaeus punctatus</i> (Stichaeidae)	6-15; 92	
<i>Liparis</i> spp. (Liparidae)	3-15; 171			

Table S2. Vital rate, data type, species (Family), length range of specimens, increment counts considered in the standardization, number of individuals, and source for analyses of growth rates.

Vital rate	Data type	Species (Family)	Year	Length range (mm)	Source
Otolith-based individual growth rates	Increment width (μm)	<i>Ulvaria subbifurcata</i> (Stichaeidae)	1997	5-18; (1-30 increments); 323 larvae	Dower et al. (2002)
		<i>Ulvaria subbifurcata</i> (Stichaeidae)	2000	5-18; (1-32 increments); 345 larvae	Baumann et al. (2003)
		<i>Ulvaria subbifurcata</i> (Stichaeidae)	1998	5-17; (1-40 increments); 509 larvae	Pepin et al. (2003)
		<i>Glyptocephalus cynoglossus</i> (Pleuronectidae)	2003	6-32; (1-30 increments); 55 larvae	Unpublished data
		<i>Myzopsetta ferruginea</i> (Pleuronectidae)	2003	3-11; (1-24 increments); 38 larvae	Unpublished data
		<i>Hippoglossoides platessoides</i> (Pleuronectidae)	2003	5-27; (1-45 increments); 136 larvae	Unpublished data
		<i>Tautoglabrus adspersus</i> (Labridae)	2003	3-8; (1-23 increments); 84 larvae	Unpublished data
		<i>Stichaeus punctatus</i> (Stichaeidae)	2003	6-23; (1-46 increments); 58 larvae	Unpublished data
		<i>Ulvaria subbifurcata</i> (Stichaeidae)	2003	5-16; (1-45 increments); 64 larvae	Unpublished data

Table S3. Vital rate, data type, species (Family), length range of specimens, number of length classes used in the standardization of mortality rates and source for analyses of mortality rates.

Vital rate	Data type	Species (Family)	Length range (mm); number of observations	Source
Mortality rate (mm ⁻¹)	Instantaneous mortality rate per 1 mm interval	<i>Agonus decagonus</i> (Agonidae)	12-20; n = 7	Pepin (2016) Data sourced and reanalyzed from several published (Pepin, 1993b; Pepin, 1993a; Dower et al., 1998; Paradis et al., 1999; Dower et al., 2002; Helbig and Pepin, 2002; Pepin et al., 2002; Baumann et al., 2003; Pepin et al., 2003; Dower et al., 2009) and a number of unpublished surveys
		<i>Ammodytes sp.</i> (Ammodytidae)	7-20; n = 33	
		<i>Aspidophoroides monopterygius</i> (Agonidae)	8-16; n = 12	
		<i>Boreogadus saida</i> (Gadidae)	6-18; n = 20	
		<i>Clupea harengus</i> (Clupeidae)	8-20; n = 49	
		<i>Cyclopterus lumpus</i> (Cyclopteridae)	6-7; n = 5	
		<i>Enchelyopus cimbrius</i> (Lotidae)	3-11; n = 24	
		<i>Gadus morhua</i> (Gadidae)	4-20; n = 95	
		<i>Glyptocephalus cynoglossus</i> (Pleuronectidae)	5-17; n = 19	
		<i>Hippogloissoides platessoides</i> (Pleuronectidae)	3-20; n = 142	
		<i>Icelus spp.</i> (Cottidae)	12-18; n = 5	
		<i>Myzopsetta ferruginea</i> (Pleuronectidae)	3-11; n = 54	
		<i>Liparis spp.</i> (Liparidae)	4-15; n = 57	
		<i>Liparis atlanticus</i> (Liparidae)	4-8; n = 41	
		<i>Liparis gibbus</i> (Liparidae)	6-17; n = 24	
		<i>Lumpenus sp.</i> (Stichaeidae)	12-20; n = 21	
		<i>Mallotus villosus</i> (Osmeridae)	5-20; n = 153	
		<i>Myoxocephalus spp.</i> (Cottidae)	11-20; n = 10	
		<i>Pseudopleuronectes americanus</i> (Pleuronectidae)	3-8; n = 48	
		<i>Sebastes spp.</i> (Sebastidae)	6-13; n = 27	
<i>Stichaeus punctatus</i> (Stichaeidae)	9-20; n = 52			
<i>Tautoglabrus adspersus</i> (Labridae)	3-7; n = 41			
<i>Ulvaria subbifurcata</i> (Stichaeidae)	6-20; n = 192			

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