

Table S1. Gill weights of molluscs given as mean % of total body tissue weight.

Species	% wet wt.	Source
Bivalvia		
Chemoautotrophic		
Mytilidae		
<i>Bathymodiolus thermophilus</i>	25-35	(Fisher et al., 1988b)
<i>Bathymodiolus brevior</i>	36	(J. Sanders, pers. comm.)
<i>Bathymodiolus childressi</i>	30	(Page et al., 1990)
Vesicomidae		
<i>Calyptogena magnifica</i>	13-22	(Fisher et al., 1988a)
<i>Calyptogena elongata</i>	26	(Childress et al., 1993)
Solemyidae		
<i>Solemya velum</i>	38	(Scott, 2005)
<i>Solemya reidi</i>	26	(Felbeck, 1983)
Lucinidae		
<i>Lucina borealis</i>	28	(Dando et al., 1986)
Non-symbiotic		
Mytilidae		
<i>Mytilus edulus</i>	13	(Mercado et al., 2005)
	15	(Wright and Secomb, 1986)
Acticidae		
<i>Arctica islandica</i>	2.7	(Alyakrinskaya, 2003)
Astartidae		
<i>Astarte borealis</i>	6.9	(Alyakrinskaya, 2003)
<i>Astarte elliptica</i>	5.8	(Alyakrinskaya, 2003)
Cardiidae		
<i>Serripes groenlandicus</i>	6.2	(Alyakrinskaya, 2003)
Myidae		
<i>Mya arenaria</i>	3.7	(Alyakrinskaya, 2003)
Yoldiidae		
<i>Yoldia limatula</i>	5	(Scott, 2005)
<i>Yoldia hyperborean</i>	2.2	(Alyakrinskaya, 2003)
Nuculidae		
<i>Nucula proxima</i>	11	(Scott, 2005)
Veneridae		
<i>Dosinia lupinus</i>	11	(Dando et al., 1986)
Gastropoda		
Chemoautotrophic		
Provannidae		
<i>Ifremeria nautilei</i>	23	(P. R. Girguis, unpublished)
<i>Alviniconcha sp.</i>	34	(P. R. Girguis, unpublished)

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