

Table 2
Gross composition (% of dry weight) of marine bacteria ^a

	<i>Aeromonas</i> sp. ACM 4771	<i>Derxia</i> sp. ACM 4772	<i>Derxia</i> sp. ACM 4773	<i>Methylophilus</i> <i>methylophilus</i> NCIB 10515	<i>Pseudomonas</i> <i>testosteroni</i> ACM 4768	<i>Pseudomonas</i> <i>testosteroni</i> ACM 4769	<i>Pseudomonas</i> sp. ACM 4770
Protein							
Sum anhydroamino acids	29	37	36	49	33	44	33
Crude (N × 6.25)	36	54	56	55	48	44	44
Carbohydrate ^b	4.0	6.8	6.0	11	6.4	7.7	2.5
Mono- di- oligo-saccharide	0.5	0.9	1.1	0.6	1.6	2.0	0.5
Polysaccharide (I.S.)	3.5	5.9	4.9	11	4.8	5.5	2.0
Polysaccharide (colorimetric)	1.7	6.1	5.8	10	3.3	5.6	1.6
Lipid	4.7	5.0	5.6	9.0	4.8	5.9	5.4
Ash	40	10	11	14	32	29	30
RNA	2.6	7.7	8.1	5.9	3.2	4.4	4.4
DNA	0.67	0.33	0.26	0.51	0.29	0.29	0.70
Total ^c	8.1	6.1	67	90	80	90	76
Food value for <i>S. commercialis</i> larvae ^d	59	61	67	47	53	61	60

^a Assays performed in duplicate, except for protein (sum anhydroamino acids) and carbohydrate polysaccharide (I.S.). These data were from a single analysis per sample.

^b Calculated by summing the mono- di- oligosaccharide plus the polysaccharide sugar value obtained using internal standard (I.S.).

^c Protein value from sum anhydroamino acids used in this calculation.

^d Full details in Nell et al. (1994). Diets were fed as a mixture containing 86% of the designated bacteria with 14% mixed microalgae. Values were compared to two algal controls. (1) 100% algal control: a 100% mixed microalgae diet, provided on an equal weight basis to the bacteria-based diets. (2) A 14% algae control: a mixed microalgae diet, equivalent to the ration of algae included in the bacteria-based diets. Growth of oysters fed the 100% algal control has been arbitrarily defined as 100; in comparison, the growth of oysters fed the 14% control was 44.