

Table 1
Gross composition (% of dry weight) of marine yeasts ^a

	<i>Candida utilis</i> ACM 4774	<i>Debaryomyces hansenii</i> ACM 4784	<i>Dipodascus capitatus</i> ACM 4779	<i>Dipodascus</i> sp. ACM 4780	<i>Dipodascus</i> sp. ACM 4778	<i>Dipodascus</i> sp. ACM 4781	<i>Dipodascus</i> sp. ACM 4782	<i>Saccharomyces cerevisiae</i> ACM 4775
Protein								
Sum anhydroamino acids	37	25	36	30	32	29	30	30
Crude (N × 6.25)	42	23	32	36	35	32	32	29
Carbohydrate ^b	23	21	25	28	30	25	28	39
Mono- di- oligosaccharide	1.0	1.8	1.1	6.9	9.1	6.4	6.3	6.9
Polysaccharide (I.S.)	22	19	24	21	21	19	22	32
Polysaccharide (colorimetric)	25	26	23	20	24	23	24	36
Lipid	6.1	5.9	4.4	4.3	4.5	4.6	2.5	7.7
Ash	13	11	9.3	6.8	4.7	9.4	7.9	6.4
RNA	7.7	3.8	4.5	6.8	4.6	4.9	4.6	5.8
DNA	0.32	0.08	0.15	0.05	0.11	0.08	0.06	0.14
Total ^c	88	67	80	76	76	74	73	89
Food value for <i>Saccostrea commercialis</i> spat ^d	63	74	75	75	73	77	81	66

^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 yeast with 14% mixed microalgae. Values were compared with two algal controls. (1) 100% algal control: a 100% mixed microalgae diet, provided on an equal weight basis to the yeast-based diets. (2) A 14% algae control: a mixed microalgae diet, equivalent to the ration of algae included in the yeast-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 46.