

Table 4. C:volume ratios and relative content of nitrogen, phosphorus, and sulfur (wt:wt) in bacteria. Data from the literature. M: marine; B: estuarine/brackish; F: freshwater; S: soil; f: formaldehyde; g: glutaraldehyde

Bacteria analyzed	Habitat	Fixative	fg C μm^{-1}	N:C	P:C	S:C	Source
Native	B, F	1% f	350				Bjørnsen (1986)
Native	F	2% f	154				Scavia & Laird (1987)
<i>Escherichia coli</i>	F	0.1% g	126–132				Watson et al. (1977)
<i>P. putida</i> , <i>E. coli</i> , <i>B. subtilis</i>	M, F	No	160–290				Bratbak & Dundas (1984)
Enriched native	M	No	133–400				Simon & Azam (1989)
Native	B, M	2% f	210–1610	0.11–0.41			Kroer (1994)
Enriched native and native	M	2% f	83–372	0.08–0.29			Kogure & Koike (1987)
<i>Alkaligenes</i> , <i>Pseudomonas</i>	M	No	155–292	0.17–0.35			Kogure & Koike (1987)
Native	F	No	39–188	0.14–0.30			Nagata (1986)
Native	M	5% f	280	0.27			Lee & Fuhrman (1987)
Enriched native	F	1% f	150–170	0.11–0.21	0.017–0.040		Vadstein & Olsen (1989)
Enriched native and <i>P. putida</i>	B	5% g	560	0.15–0.22	0.005–0.16		Bratbak (1985)
<i>A. globiformis</i> and <i>E. aerogenes</i>	S	No	210–580	0.19–0.30	0.024–0.056		van Veen & Paul (1979)
Enriched native	M	1% g		0.13–0.28	0.020–0.065		Goldman et al (1987)
Cultured, unidentified	F	No		0.13–0.21	0.013–0.046		Vadstein (1995)
Enriched native	M	No		0.07–0.26	0.006–0.083		Tezuka (1990)
<i>P. putida</i>	M	No		0.15–0.26	0.016–0.074		Martinussen (1991)
Cultured, unidentified	F	No		0.25			Finlay & Uhlig (1981)
<i>E. coli</i>	F	No	90		0.105		Heldal et al. (1985)
Enriched native	F	No			0.027–0.076		Jürgens & Güde (1990)
Enriched native	M	No	64–136 ^a	0.15–0.30	0.037–0.067		Tuomi et al. (1995)
<i>P. halodurans</i> , <i>A. luteo-violaceus</i>	M	No		0.22–0.33		0.010–0.011	Cuhel et al (1981)
<i>C. lividum</i> , <i>P. fluorescens</i> and cultured native	F	No				0.004–0.012	Jordan & Peterson (1978)

^aCalculated from data in the paper