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Large production of an aromatic amine, 2-phenylethylamine, in a psychrophilic marine bacterium, *Psychroflexus torquis*

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During the analysis of the cellular polyamines by high-performance liquid chromatography and gas chromatography within the *Cytophaga-Flavobacterium Bacteroides* phylum, an usual amine corresponding to 2-phenylethylamine was detected in *Psychroflexus torquis* belonging to the family *Flavobacteriaceae*. Homospermidine, agmatine and 2-phenylethylamine were detected as the major cellular polyamine components of the organism. A part of 2-phenylethylamine produced in the cells was secreted into the medium whereas agmatine and homospermidine were scarcely secreted.