

J. Gen. Appl. Microbil., 47, 99-101(2001).

Occurrence of aminopropylhomospermidine as the major cellular polyamine in a halophilic, phototrophic alpha proteobacterium, *Rhodothalassium salexigens*

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Polyamines of a halophilic, phototrophic alpha proteobacterium, *Rhodothalassium salexigens* were analyzed by high-performance liquid chromatography and gas chromatography. Two major components, homospermidine and aminopropylhomospermidine and two minor components, putrescine and spermidine were detected in the whole polyamine extract of the organism. These four polyamine components were also identified by gaschromatography-mass spectrometry. This is the first report on the occurrence of aminopropylhomospermidine within alpha proteobacteria.