

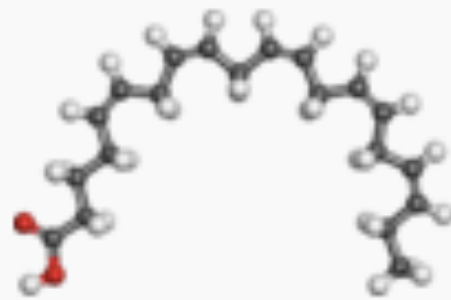
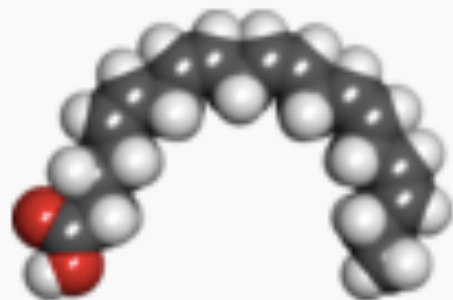
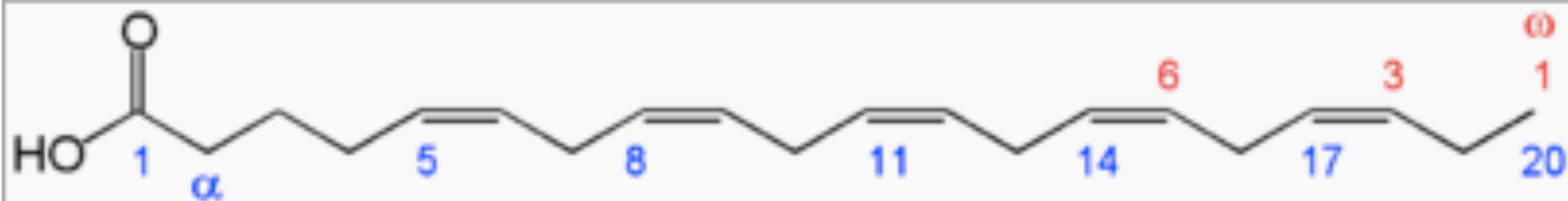


*Shewanda frigidiina*

*Frolova, G. M.; Gumerova, P. A.; Romanenko, L. A.; Mikhailov, V. V. (2011). 'Characterization of the lipids of psychrophilic bacteria Shewanella frigidimarina isolated from sea ice of the Sea of Japan'. Microbiology 80 (1): 30–36*

**An Antarctic species with the ability to produce eicosapentaenoic acid (EPA). It grows anaerobically by dissimilatory Fe (III) reduction. [1] Its cells are motile and rod shaped**

# Eicosapentaenoic acid



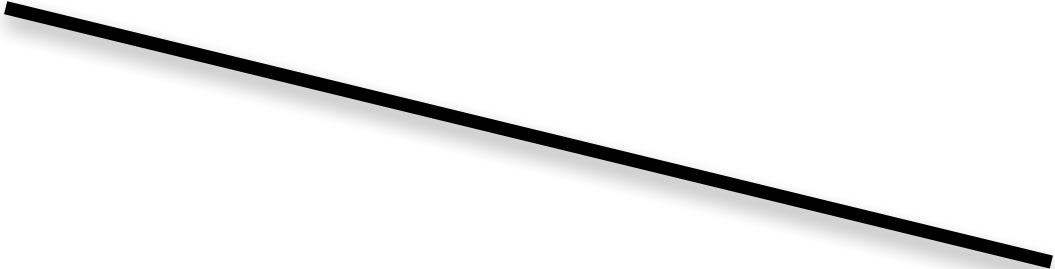
IUPAC name

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(5Z,8Z,11Z,14Z,17Z)-5,8,11,14,17-  
icosapentaenoic acid









EPA is obtained in the human diet by eating oily fish or fish oil, e.g. cod liver, herring, mackerel, and salmon.

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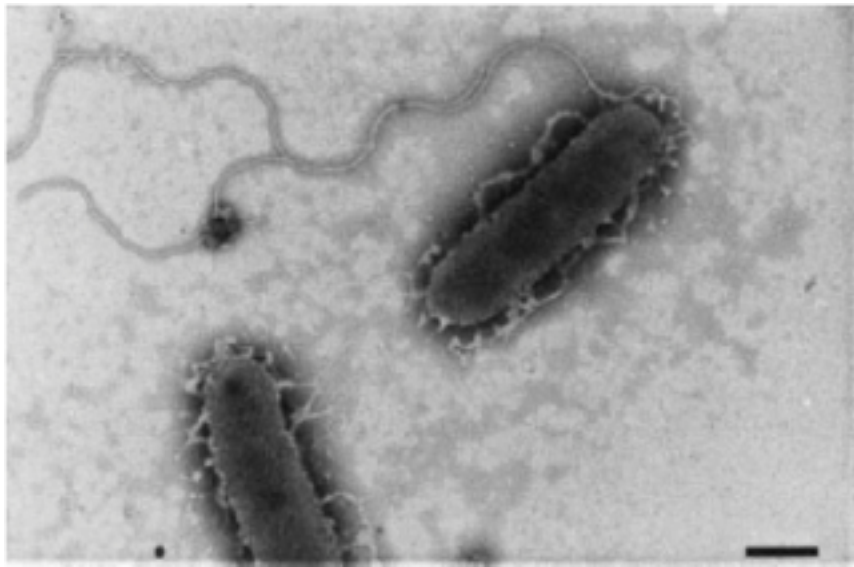
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*Shewanella*

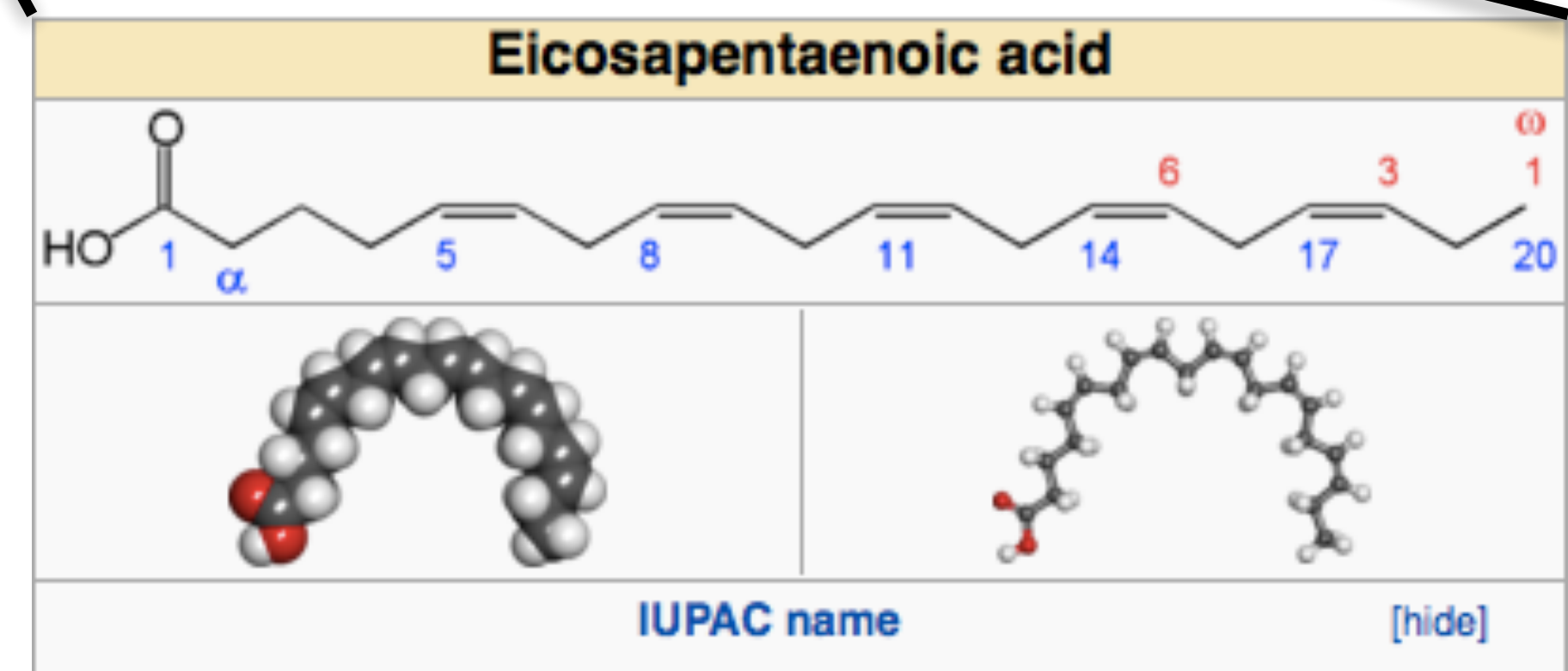
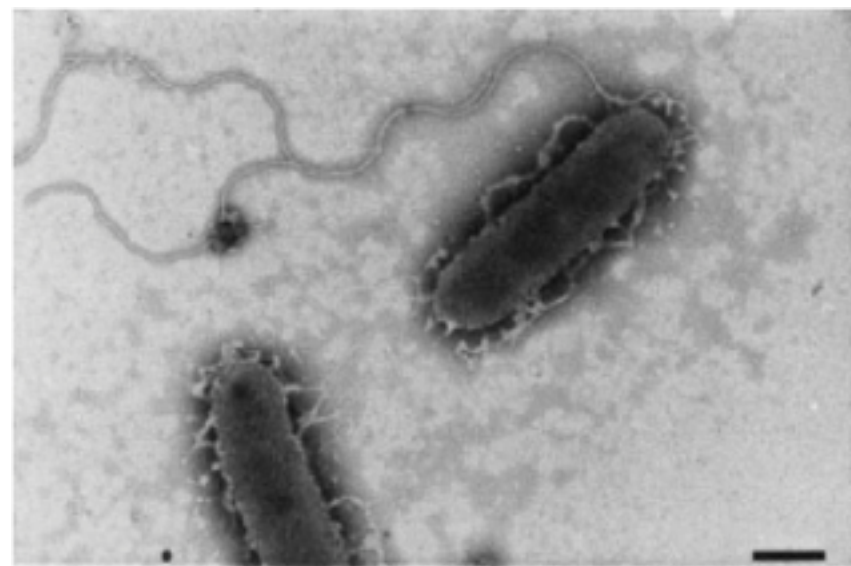
*frigidimarina*

# *Shewanella frigidimarina*

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# Who is there, and what are they making?

