

Table 2. Specific growth rates of Bacteria and Archaea of a range of trophic modes. From [80–84]. Rates normalized to 20 °C assuming a Q_{10} of 2. Rates are the maximum values for the trophic mode, with the exception of a very small-celled osmochemoorganotroph from the SAR11 clade of α -proteobacteria [84] and the very small-celled photolithotrophic cyanobacterium *Prochlorococcus* [83,85]. The units of specific growth rate are increment of cell numbers per cell per second.

organism and trophic mode	specific growth rate ($\times 10^6 \text{ s}^{-1}$)
aerobic osmochemoorganotroph <i>Escherichia coli</i>	283
aerobic osmochemoorganotroph SAR11 clade (e.g. <i>Pelagibacter ubique</i>)	10
aerobic chemolithotroph <i>Alcaligenes eutrophus</i>	48
anaerobic chemolithotroph <i>Methanococcus vannielii</i>	15
anoxygenic photolithotroph <i>Chlorobium limicola</i>	27
oxygenic photolithotroph <i>Synechococcus</i> sp.	24
oxygenic photolithotroph <i>Prochlorococcus</i> CCMP 1378	7

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