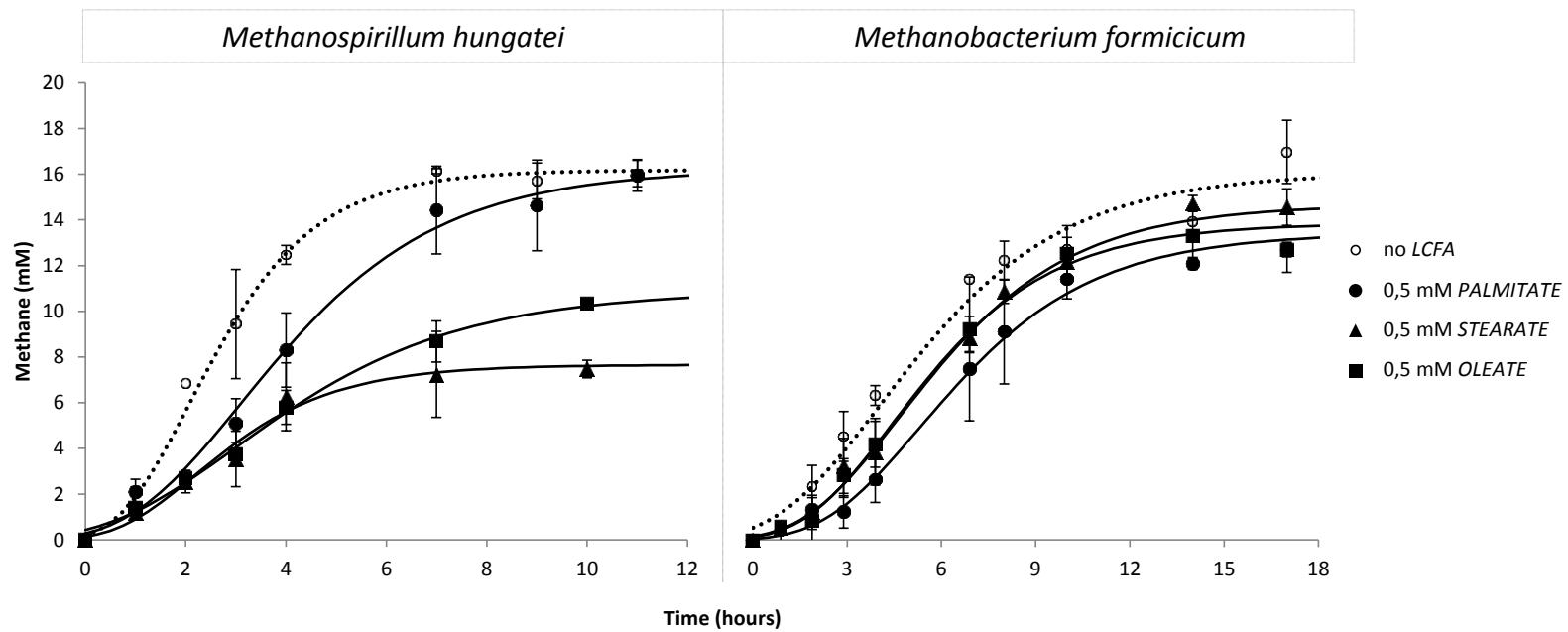


**Supplementary material:**



**Figure S1:** Methane production by pure cultures of *M. hungatei* and *M. formicicum* growing on H<sub>2</sub>/CO<sub>2</sub>, without LCFA addition and in the presence of 0.5 mM LCFA.