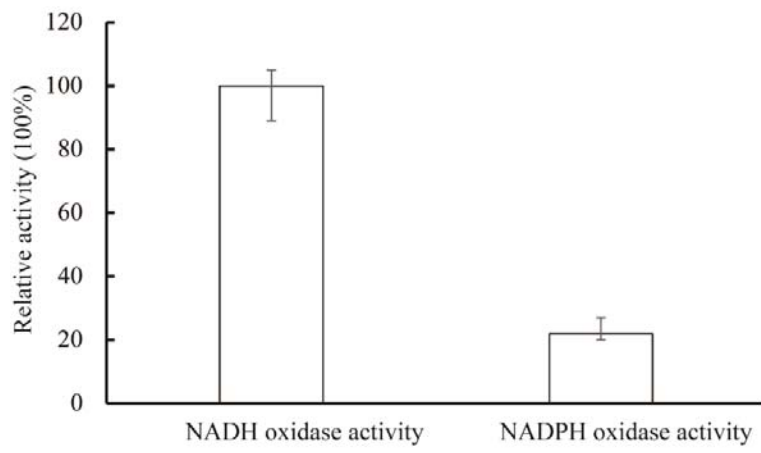


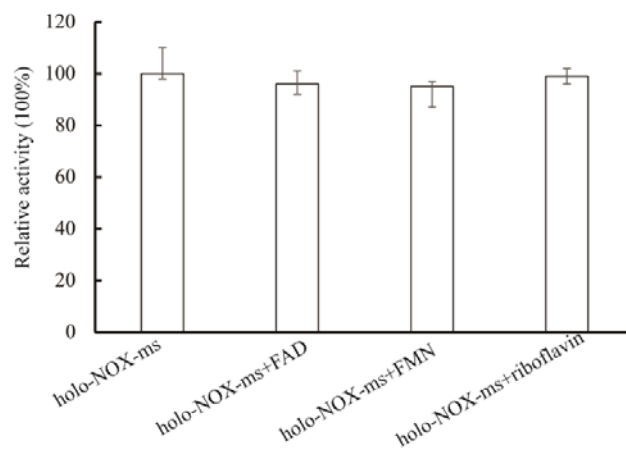
Supplementary Figure 1



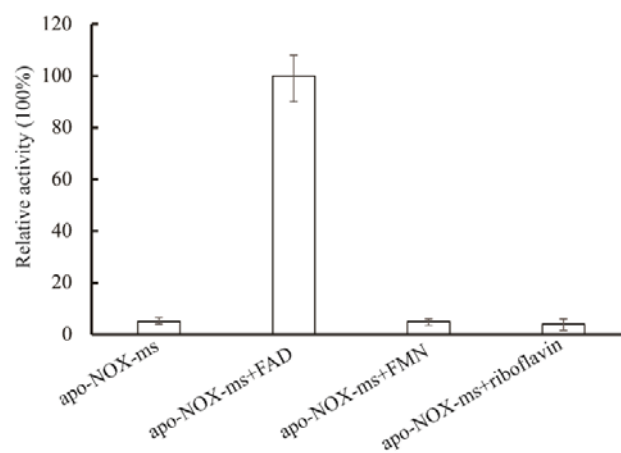
Supplementary Fig. 1: Relative oxidase activity of NOX-ms to NADH and NADPH.

Supplementary Figure 2

A

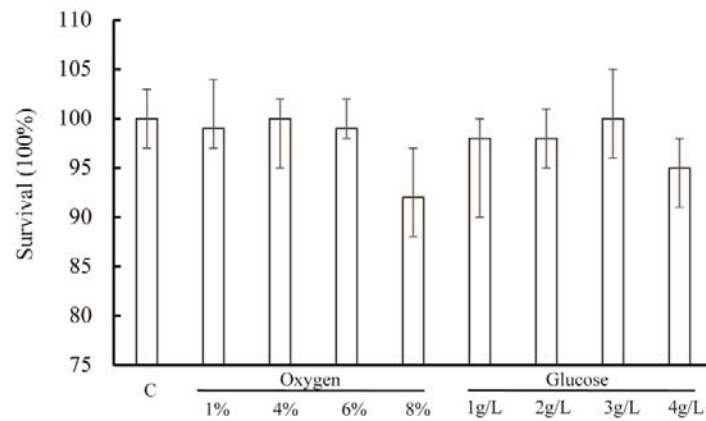


B



Supplementary Fig. 2: Effect of FAD, FMN, and riboflavin on the activity of holo-NOX-ms (A) and apo-NOX-ms (B). Equimolar concentrations of apomonomers of holo-NOX-ms (A) or apo-NOX-ms (B) was mixed with FAD, FMN, and riboflavin and the activity was measured as in “Materials and methods.”

Supplementary Figure 3



Supplementary Fig. 3: Survival of *Methanobrevibacter smithii* cells under different conditions. The cells grown under normal conditions (anaerobically) was used as control (C). The survival of the cells under oxidative stress and in the presence of glucose were measured by using the three-tube most probable number method.