



1 **Fig. S2. Evaluation of the pAAHPoxyR2 as an intracellular ROS reporter.** PA14 cells carrying the
 2 pAAHPoxyR2 vector-borne sensor were cultured in LB medium to early exponential phase of
 3 growth. At this point, widely known oxidative stress promoting compounds were added to the
 4 cultures and the specific mCherry signal was recorded each hour by flow cytometry. The plots
 5 show the mean fluorescence intensities of the samples calculated from the whole cell
 6 population. The experiment was carried out in triplicates. Statistical differences were assessed
 7 by means of an unpaired t-test with Welch's correction (p -value: ** < 0.01; *** < 0.001;
 8 **** < 0.0001).