



**Figure S2.** 2-HDA activity in plasmid mobilization. Conjugation frequency (CF) of R388 and pKM101 or mobilization frequency (MF) of *oriT*-MOB of R388 (pHP161) (E. Fernández-González, H. D. de Paz, A. Alperi, L. Agúndez, M. Faustmann, F. J. Sangari, C. Dehio, and M. Llosa, J. Bacteriol. 193:6257-65, 2011) using MPF apparatus of pKM101 (pKM101 $\Delta$ MOB) (O. Draper, C. E. César, C. Machón, F. de la Cruz, and M. Llosa, Proc. Natl. Acad. Sci. U.S.A. 102:16385-90, 2005) represented in the figure as MOB1+MPF2. Bars represent the mean + SD showed in logarithmic scale of at least three independent experiments measured by plate-conjugation assay in the presence or absence of 2-HDA 0.4 mM. C+, control in the absence of added COIN. Mean significantly different from control (yellow) with \*\*\*  $p < 0.001$ .