



**Figure S4:** Proportion of  $C_{Ring}$  in the  $CO_2$  evolved during the 10 day incubation of *C.necator* JMP134 in the control (white circles) and sand (grey circles) microcosms. Error bars correspond to the standard deviation calculated for 3 replicates. Dash line represents the proportion of  $C_{Ring}$  in the substrate (2,4-D) used.