Supplementary Figure 2. Controlled expression of recombinases from pRed/Flp (a) Western blot analysis of Red and Flp expression. Cells were grown to OD600 of 0.2 before induction or not with either anhydrotetracycline (AHT) or L-rhamnose for the indicated times, collected by centrifugation, boiled in SDS loading buffer, separated on a 10% SDS gel and analyzed by western blot with anti-Flp or anti-Red beta antibodies. (b) Functional analysis of Flp mediated cassette excision. Cells containing EGFP-FRT-KmR-FRT tagged BAC and the pRed/Flp plasmid were grown at repressive (37°C, no AHT) or induced conditions (30°C, 200 nM AHT) to saturation and the cultures were plated in serial dilutions to obtain single colonies on plates with either chloramphenicol or kanamycin. The excision efficiency is presented as the number of kanamycin resistant colonies for 100