



Figure S9. Role of pentose related metabolic pathways in flea blockage. The figure has been constructed from 8 independent experiments in which the blocking rate was measured for a strain lacking a gene of interest and for the parental strain. The bars represent the mean \pm SEM from 8 independent experiments (wild-type control strain), two independent experiments (Δrpe and $\Delta rpe \Delta xyiAB1 \Delta xyiB2 \Delta araD1 \Delta araD2$) and one experiment for all the other mutants. The symbol represent the value obtain in the different experiments. The blockage rate given for the $\Delta rpe \Delta xyiAB1 \Delta xyiB2 \Delta araD1 \Delta araD2$ mutant was obtained using two independent mutants; one was generated by deleting successively *rpe*, *araD1*, *araD2*, *xyiAB1* then *xyiB2* whereas the other was generated by deleting successively *araD1*, *araD2*, *xyiAB1*, *xyiB2*, *rpe*.