



Figure S4. Role of BSAP target molecules and orthologs *in vitro* and *in vivo*

Growth curves of wild type and BSAP receptor or BSAP-resistant ortholog mutants measured by OD₆₀₀ vs. time. Average and standard error of triplicate experiments are graphed. A) Bf9343 vs. Bf9343 Δ 1563 (Bf9343 Δ *omp^S*), B) Bu8492 vs. Bu8492 Δ 00969 (Bu8492 Δ *O-ag*), C) Bf638R Δ 1646 (Bf638R Δ *bsap-1*) vs. Bf638R Δ 1645-1646 (Bf638R Δ *bsap-1* Δ *omp^R*). D) Gut colonization competition assay of Bf638R Δ *bsap-1* vs. Bf638R Δ *bsap-1* Δ *omp^R*. 3 mice were used in this experiment. The ratio of strains in the inoculum and day 7 feces are significantly different, $p = 0.003$.