**Supplementary Table 1. Reactions present in the metabolic network of Bartonella quintana.** Reactions added to the metabolic model with an identified gene are highlighted in blue and has the id tag “rxna”. Those reactions without a gene associated are highlighted in green and has the id tag “rxnp”. Bquint\_fluxes.xlsx file

**Supplementary Table 2. Ratio of conservation in biomass production for transport in-silico mutants from the model. Table\_Transport\_Mutants.xlsx file**

**Supplementary Table 3. Average OD600 measurements from supplemented media comparison experiment.** These data are retrieved from plates inoculated from the 10-3 dilution of original culture.