**Supplementary Table 1. Reactions present in the metabolic network of Bartonella quintana. Bquint\_fluxes.xlsx file**

**Supplementary Table 2. 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | EXP\_12.20 | EXP\_01.21 | EXP\_11.21 | EXP\_05.22 | EXP\_03.21 | EXP\_09.21 |
| **C** | 1.88 | 1.97 | 1.4 | 1.15 | 2.01 | 2.72 |
| **F** | 1.75 | 3 | 2.13 | 1.58 | 2.38 | 3.39 |
| **K** | 1.77 | 2.86 | 1.37 | 1.64 | 2.35 | 2.99 |
| **T** | 1.16 | 2.48 | 1.61 | 1.35 | 1.53 | 2.38 |
| **FK** | 1.21 | 2.29 | 1.65 | 0.95 | 2.91 | 3.79 |
| **FT** | 1.59 | 2.43 | 1.9 | 0.85 | 2.71 | 2.73 |
| **KT** | 1.84 | 1.51 | 1.28 | 1.41 | 2.67 | 2.85 |
| **FKT** | 1.35 | 1.96 | 1.83 | 1.59 | 1.62 | 3.81 |
| **Accepted or Discarded** | Accepted | Accepted | Accepted | Accepted | Discarded | Discarded |