

S2 Table. Cellular reagent Gibson assembly with or without heat treatment of cellular reagents.

| Gibson assembly type | Number of colonies |
|--|---------------------------|
| Gel purified pCR2.1 linearized vector + <i>Aedes albopictus</i> S7 gBlock | |
| Cellular reagent Gibson with heat-treated Taq DNA polymerase and Taq DNA Ligase | 111 ^a |
| Cellular reagent Gibson with no heat treatment of cellular reagents | 12 |
| Gibson with pure enzymes (positive control) | 183 |
| Assembly with no enzymes (negative control) | 1 |
| Gel purified pCR2.1 linearized vector + <i>E. coli</i> <i>yaiO</i> gBlock | |
| Cellular reagent Gibson with heat-treated Taq DNA polymerase and Taq DNA Ligase | 173 |
| Gibson with pure enzymes (positive control) | 360 |
| Assembly with no enzymes (negative control) | 1 |

^aAll tested positive control clones had the correct sequence. 50% of the cellular reagent Gibson assembled plasmids had the correct sequence. Remaining recovered colonies contained re-circularized vector.