**S4 Table. Effect of ω:*yfp* expression on faithful segregation or plasmid incompatibility**

|  |  |  |  |
| --- | --- | --- | --- |
| *par* genes | | IPTG concentration | Stability |
| Chr-bornea | plasmid-borneb | in μM | in % |
| none | δ, ω | - | 100 |
| none | δ, ω | 10 | 100 |
| *Phsp* ω:*yfp* | δ, ω | - | 98 ± 2 |
| *Phsp* ω:*yfp* | δ, ω | 10 | 47 ± 4 |
| *Phsp* ω:*yfp* | δ, ω | 50 | <1 |
| *Phsp* ωΔN19:*yfp* | δ, ω | 10 | 52 ± 3 |
| *Phsp* ωΔN19:*yfp* | δ, ω | 50 | <1 |
| *Phsp* δ:*gfp* | ω | 10 | 100 |
| *Phsp* δ:*gfp* | δ, ω | 10 | 68 ± 5 |
| *Phsp* δ:*gfp* | δ, ω | 50 | 11 ± 3 |

aThe *B. subtilis* chromosomal (Chr) encoded *par* gene (BG214 [none], BG1469 [ω:*yfp*], BG1447 [ωΔN19:*yfp*] or BG947 [δ:*gfp*]) was transcribed from an IPTG-inducible promoter (*Phsp*) at the indicated IPTG concentration.

bpCB706-borne *P*δ δ and *P*ω ω genes or pCB586-borne *P*ω ω gene were transcribed from their native promoters. Cells bearing plasmid were grown in antibiotic-free LB medium at 30º C, and the frequency of plasmid loss during exponential growth was measured after 100 generations.

References

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