**Supplementary File S1. List of strains and plasmids used in the study**

Table S1. Strain list

|  |  |  |  |
| --- | --- | --- | --- |
| Strain | Genotype | Background | Ref. |
| VS181 | Δ(tar,tsr,trg,tap,aer) Δ(cheY,cheZ) | RP437 | [1] |
| VH1 | Δ(tar,tsr,trg,tap,aer) Δ(cheY,cheZ) Δ(cheR,cheB) | RP437 | [2] |
| VF7 | Δ(tar,tsr,trg,tap,aer) Δ(cheY,cheZ) Δ(cheR,cheB) cheW(R117D,F122S) | RP437 | [3] |
| VF8 | Δ(tar,tsr,trg,tap,aer) Δ(cheY,cheZ) cheW(R117D,F122S) | RP437 | [3] |

Table S2. Plasmid list

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Plasmid | Genotype | Antibiotic | Induction | Ref. |
| pVS88 | cheY-YFP/cheZ-CFP,  pTRC99a derivative | Ampicillin 100µg/ml | IPTG 200 µM, | [1] |
| pVS1092 | TarQEQE,  pKG110 derivative | Chloramphenicol  17 µg/ml | Salicylate 2 µM,  If not otherwise stated | [1] |
| pVS1087 | TarQEEE,  pKG110 derivative | Chloramphenicol  17 µg/ml | Salicylate 2 µM,  If not otherwise stated | [4] |
| pVS1086 | TarEEEE,  pKG110 derivative | Chloramphenicol  17 µg/ml | Salicylate 2 µM,  If not otherwise stated | [5] |

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[4] Neumann S., Grosse K. and Sourjik V. *Chemotactic signaling via carbohydrate phosphotransferase systems in Escherichia coli.*  Proceedings of the National Academy of Sciences of the United States of America (2012) **109**, 12159, doi:10.1073/pnas.1205307109

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