Universal response-adaptation relation in bacterial chemotaxis

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Table S1: Strains and plasmids used in this study.

Strain/Plasmid	Relevant genotype	Reference
pKG110	Salicylate regulation (P_{nahG}), pACYC ori, Cam^R	J.S. Parkinson, personal gift
pVS88	*cheY-eyfp cheZ-ecfp;* pTrc99a derivative, Amp^R	(1)
pVS362	*tsr*[EEEEE]; pKG110 derivative	(2)
pVS1086	*tar*[EEEE]; pKG110 derivative	This work
SN1	LJ110 *Δ(cheY-cheZ)*	(3)
SN11	LJ110 *Δ(cheY-cheZ) tsr::Tn5*, Kan^R	(3)
SN25	LJ110 *Δ(cheY-cheZ) Δtar*	(3)
UU2795	RP437 *Δ(cheY-cheZ) Δ(tar tap trg aer)*	J.S. Parkinson, personal gift
VS181	RP437 *Δ(cheY-cheZ) Δ(tsr tar tap trg aer)*	(1)

Supplementary references

1. **Sourjik V, Berg HC.** 2004. Functional interactions between receptors in bacterial chemotaxis. Nature 428:437-441.

2. **Oleksiuk O, Jakovljevic V, Vladimirov N, Carvalho R, Paster E, Ryu WS, Meir Y, Wingreen NS, Kollmann M, Sourjik V.** 2011. Thermal robustness of signaling in bacterial chemotaxis. Cell 145:312-321.

3. **Neumann S, Hansen CH, Wingreen NS, Sourjik V.** 2010. Differences in signalling by directly and indirectly binding ligands in bacterial chemotaxis. EMBO J 29:3484-3495.