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Supporting Material

Mobility of cytoplasmic, membrane and DNA-binding proteins in Escherichia coli

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Table S1. Expression constructs, strain background and induction levels.

Protein	Expression plasmid	Strain	Induction (μM IPTG)
eYFP	pVS132	RP437	100
PtsH-YFP	pVS348	VS116	80, 120 & 150
Crr-YFP	pVS345	VS116	30 & 50
CFP-CheW-YFP	pVS264	VS116	80 & 100
YFP-YFP-YFP	pVS685	VS116	80 & 100
CFP-CheR-YFP	pVS266	VS116	120 & 150
DnaK-YFP	pVS617	RP437	100
HtpG-YFP	pVS627	RP437	100
CFP-CheA-YFP	pVS267	VS116	30, 50, 80 & 100
Tar(1-397)-YFP	pVS419	VS116	10 & 20
Tsr(1-218)-YFP	pVS686	VS116	10
Tar-YFP	pVS263	VS116	20, 40 & 50
MtlA-YFP	pVS448	VS116	3
NagE-YFP	pVS576	VS116	5
LacY-YFP	pSN7	VS116	3
Hns-YFP	pVS483	MG1655	0
TetR-YFP	pSR5	SR1	50

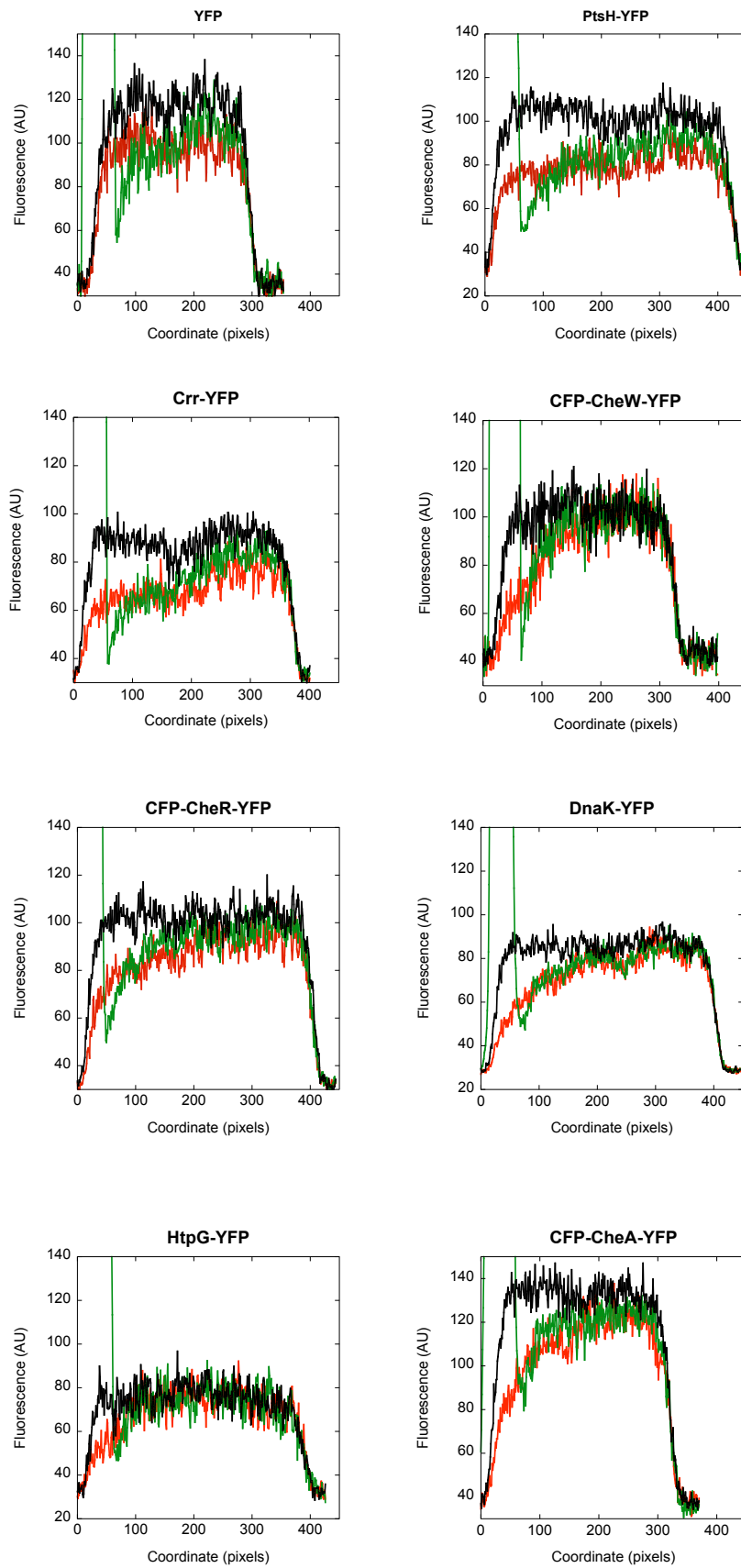


Figure S1. Fluorescence profiles of the pre-bleach (black), bleach (green) and the first post-bleach (red) images of representative cells expressing indicated fusions. Compare with Fig. 1B.