Electronic Supplementary Material (ESI) for Molecular BioSystems

Supplementary Material 1

Martinez-Antonio et al, MBS-12012

Primers used in this study (5´-3´). These primers correspond to the operator regions (promoters and TF-regulatory sites) from the different genes encoding for TFs used in this work. The PCR products obtained with each these pair of primers were cloned in the upstream region of the *gfpmut2* gene (without promoter) on the corresponding plasmids as described in the Materials and Methods section of the ms.

Primer name (TF)	**Primer sequence (5´-3´)**
p-hns forward	AGCACTCGAGCTTTCTTCTT
p-hns reverse	GTCCAGGATCCTATTGCGAC
p-ihfA forward	AGTTCTTTGGCCTCGAGCTT
p-ihfA reverse	AACCGGATCCGTCAGCAGAA
p-ihfB forward	GTTAACAAACTCGAGGATGC
p-ihfB reverse	ACTGGATCCTCAACCGTCCT
p-fis forward	CACTGGACCCGCTCGAGGAA
p-fis reverse	TCTGTAATGGGATCCATGGG
p-ompR forward	CAGCGCTCGAGGGCGCATGTC
p-ompR reverse	CCAGGGATCCTTAAGCTCTT
p-hdfR forward	GACCAAACTCGAGCGTTCGG
p-hdfR reverse	AGAATCCACGTGGATCCTGT
p-lrhA forward	AATGTTCTCGAGAGATCGAG
p-lrhA reverse	TGCTTCTTTCAGATCTGGAC

The transcriptional fusions *qseB::gfp* and *fliA::gfp* were taken from the library created by Saslaver et al. (2006), ref [1] below.

Supplementary reference:

1. Zaslaver, A., Bren, A., Ronen, M., Itzkovitz, S., Kikoin, I., Shavit, S., et al. (2006). A comprehensive library of fluorescent transcriptional reporters for Escherichia coli. Nature methods, **3 (8),** 623-628.