

## Supplementary Material

# Cell-Free Protein Synthesis by Diversifying Bacterial Transcription Machinery

Marina Snapyan <sup>1\*</sup>, Sylvain Robin <sup>2</sup>, Garabet Yeretssian <sup>1</sup>, Michèle Lecocq <sup>1,3</sup>, Frédéric Marc <sup>2</sup>, Vehary Sakanyan <sup>1,2,3\*\*</sup>

Table S1. Oligonucleotide primers used for PCR amplification of *T. maritima* genes

Oligonucleotide primer	Sequence starting from 5' to 3'
Tm Xyl 0808-His	ATGCATCATCATCATCATCATGGAGGGACCCTTTTGAACAT
Tm Xyl 0808-down	CTCGTGATCGGAACTGATGAG
Tm LacI 1856-His	ATGCATCATCATCATCATCATCCAACAATAGAAGATGTCG
Tm LacI 1856-down	GACCACTCGATCTGAACATCC
Tm GntR 0439-His	ATGCATCATCATCATCATCATATAAAAAAATCGAAGTGGACCTC
Tm0439-GntR-down	GAACGAAACACCCTCCGCC

Table S2. Oligonucleotide primers used for PCR amplification of promoter-operator regions

Oligonucleotide	Operator DNA	DNA size	Sequence from 5'-extremity
ArgRTn-Up	<i>T. neapolitana argR</i>	148 bp	IRD700-TGTTACTCTTGAGTTACCAAAAC
ArgRTn-down			TTATGAGTTCCTGTCTTC
XylRo-104UP	<i>E. coli xylFo</i>	104 bp	IRD800-GGTCATAAATCAAGAAATAAA
XylRo-down			CACCGCGATAAACGTAACC
LacIo-68UP	<i>E. coli lacIo</i>	68 bp	IRD700-GCTTCCGGCTCGTATGT
LacIo-down			GGTCATAGCTGTTTCCTGTG
GntRo-68UP	<i>E. coli gntKo</i>	68 bp	IRD800-GTCCGGCTGGACAATGTT
GntRo-down			GTGGTGCCCCCACAATAC
ArgCo-UP	<i>B. stearothermophilus argCo</i>	100 bp	CTTAGGGAGGGGCAAGAA
ArgCo-down			CCCGTATGCCTCATGTAG

