

**Table S1. *E. coli* genes with long 5'UTRs responsive to BCM in exponential phase (related to Figure 1).**

**Table S2. Genes upregulated in stationary phase in WT, but not in sRNAs-deficient cells (*dsrA*, *arcZ*, *rprA* triple deletion mutant) (related to Figure 7).**

**Table S3. Templates for in vitro transcription (related to the Methods and Resources section: In vitro Transcription)**

Name	Sequence
<i>rpoS</i> template with native promoter (1 nt..707 nt, from TSS – shown in bold)	CGACGCAGCAGAGCAAGGAGTTGTGATCAAGCCTGCACAAAATTCCACCGTTGC TGTTGCGTCGCAACCGACAATTACGTATTCTGAGTCTTCGGGTGAACAGAGTGC CTAACAAAATGTTGCCGAACAACAAGCCAACCTGCCACCACGGTCACAGCGC CTGTAACGGTACCAACAGCAAGCACAACCGAGCCGACTGTCAGCAGTACAT CAACCAGTACGCCTATCTCCACCTGGCGCTGGCCGACTGAGGGCAAAGTGA TCGAAACCTTTGGCGCTTCTGAGGGGGGCAACAAGGGGATTGATATCGCAG GCAGCAAAGGACAGGCAATTATCGCGACCGCAGATGGCCCGCTTGTATTAG CTGGTAACGCGCTGCGCGGCTACGGTAATCTGATTATCATCAAACATAATG ATGATTACCTGAGTGCCTACGCCATAACGACACAATGCTGGTCCGGGAAC AACAAGAAGTTAAGCGGGGGCAAAAATAGCGACCATTGGGTAGCACCCGA ACCAGTTCAACACGCTTGCATTTTGAATTCGTTACAAGGGGAAATCCGTAA ACCCGCTGCGTTATTTGCGCAGCGATAAATCGGCGGAACCGGCTTTTGC TTGAATGTTCCGTC AAGGGATCACGGGTAGGAGCCACCTTatgAGTCAGAA ACGCTGAAAGTTCATGATTTAAATGAAGATGCGGAATTTGATGAGAACGGA GTTGAGGTTTTTGACGAAAAGGCCTTAGTAGAACAGGAACCCAGTGATAAC GATTTGGCCGAAGAGGAACTGTTATC
<i>csrD</i> template with native promoter	ATGTGCATGATGGATTGGAAAATAATTTCTGAAGACTATACTCGCTAATGGAAA AGCAAAGCCGATGAAGCGCAATAAATTGCGAGATAAATCTGATTGCTAGT ATGCCCGCTTCCTCACTATCGGAGTTAACACAAGGatgAGATTAACGACGAA ATTTTCGGCCTTTGTTACGCTGCTCACC GGGTTAACAAATTTTGTGACTTTG CTGGGCTGTTTCGCTAAGTTTCTACAACGCCATTCAGTATAAGTTTAGTCATC GCGTTCAGGCGGTGGCGACGGCGATTGATACCCACCTTGTGTGCAATGACT TCAGCGTATTAAGGCCACAAATTACCGAATTAATGATGTCGGCAGATACGTT TCGTGTAGACCTGCTCATGGTGATAAACAGGTTTTATACCTGGCCAGAAA TGGTAGTTATCGTCCAGTTGGCTCCAGCGATCTGTTTCGCGAACTGAGCGT TCCGTTGATAAAGCATCCGGGGATGTCGTTGCGTCTGGTTTATCAGGATCC GATGGGCAACTATTTCCATTGCTTATGACCACCGCGCCGCTCACGGGGGC GATTGGCTTATCATTGTTATGCTCTTCTGGCGGTACGCTGGTTACAACGG CAACTTGCCGGGCAAGAATTGCTGGAACCCGGGCTACTCGTATCTTAAAC GGTGAGCGTGGCTCTAATGTGTTGGGAACCATCTATGAATGGCCGCCCA
<i>bolA</i> template with native promoter	GAAACACTGATGCGAGGCCCTGTGTTTCAATCTTTAAATCAGTAAACTTCATACG CTTGACGAAAAACCAGGACGAAACCTAAATATTTGTTGTTAAGCTGCAAT GGAAACGGTAAAAGCGGCTAGTATTTAAAGGGATGGATGACATCTCAGCGT TGTCGGAGGAGATATTCatgATGATACGTGAGCGGATAGAAGAAAAATTA GGGCGGCGTTCCAACCCGATTTCTCGAAGTAGTGGATGAAAGCTATCGTC CAAATGTCACCGCGCTCTGAAAGCCATTTTAAAGTTGTGCTGGTCAGCG ATCGTTTTACGGGTGAACGTTTTTCTGAATCGTCATCGAATGATT
<i>dnaQ</i> template with native promoter	GTAGCCAGCGCTAAAGGTTTTCTCGGTCCGCGATAGCGTAAAAATAGCGCCGTA ACCCACAGTCCCTGGATTGCCAGACACGAACCATCGGTGAAAATTTCTAC CTGTTTAAAGCATCTCTGGTAGACTTCCGTGAATTGAATCGAAGCTGAAAACG ACAAGTCTGACATAAATGACCGCTatgAGCACTGCAATTACAGCCAGATCGT TCTCGATACCGAAACCCGGTATGAACCAGATTGGTGGCCTATGAAGG CCACAAGATCATTGAGATTGGTGCCGTTGAAGTGGTGAACCGTCGCTGAC GGGCAATAACTTCCATGTTTATCTCAAACCCGATCGGCTGGTGGATCCGGA AGCCTTTGGCGTACATGGTATTGCCGATGAATTTTTGCTCGATAAGCCACG TTTGCCGAAGTAGCCGATGAGTTCATGACTATATTCCGGCGCGGAGTTG GTGATCCATAACGCAGCGTTCGATATCGGCTTTATGGAAGTACAGATTTTTCGT TGCTTAAAGCGGATATTCCGAAGACCAATACTTTCTGTAAGGTACCCAGTAG CCTTGCGGTGGCGAGGAAAATGTTTCCCGGTAAGCGCAACAGCCTCGATGC GTTATGTGCTCGCTACGAAATAGATAACAGTAAACGAACGCTGCACGGGGC ATTACTCGATGCCAGATC
T7_DsrA (T7 promoter is underlined)	<u>TAATACGACTCACTATA</u> AGGAACACATCAGATTTCCCTGGTGTAACGAATTTTTAA GTGCTTCTTGCTTAAGCAAGTTTCATCCCGACCCCTCAGGGTCGGGATT
T7_RprA	<u>TAATACGACTCACTATA</u> AGGACGGTTATAAATCAACATATTGATTTATAAGCATGG AAATCCCCTGAGTGAACAACGAATTGCTGTGTGTAGTCTTTGCCCATCTCCCAC GATGGGCTTTTTTT
T7_ArcZ	<u>TAATACGACTCACTATA</u> AGGGTGCGGCCTGAAAAACAGTGCTGTGCCCTTGTAAC TCATCAATAAATTTACGGCGCAGCAAGATTTCCCTGGTGTGGCGCAGTATTC GCGCACCCCGGCTAGCCGGGTCATTTTT

T7_OxyS	TAATACGACTCACTATAGGGAAACGGAGCGGCACCTCTTTTAACCCCTGAAGTC ACTGCCCCGTTTCGAGAGTTTCTCAACTCGAATAACTAAAGCCAACGTGAACTTTT GCGGATCTCCAGGATCCGCT
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**Table S4. List of RT-qPCR primers (related to the Methods and Resources section: RT-qPCR)**

Primer name	Sequence
nlpD check_FW	GCTCAGCGCAACAATATTCAG
nlpD check_RV	GCATTTCCGCCAGTGATTG
rpoS: UTR_FW	GATGATTACCTGAGTGCCTACG
rpoS: UTR_RV	GCTACCCATGGTCGCTATTT
rpoS: 5'ORF_FW	GAAGATGCGGAATTTGATGAGAAC
rpoS: 5'ORF_RV	AGTTCCTCTTCGGCCAAATC
rpoS: ORF_FW	ACCCGTAATTCGTTTGCC
rpoS: ORF_RV	ATCTCTTCCGCACTTGGTTC
fadE_FW	TCACATTCGCCGTCAGTTC
fadE_RV	GCATCCATCACGTAGGCATTA
yqcE_FW	GCTTCCTCATGCGTCTCTTA
yqcE_RV	CAATCGCTTCTGGCGTAAATC
astE_FW	TGACCAGGGCAAAGAATCTG
astE_RV	ATGTCGCGTTGCGGTAATA
napF_FW	GCTGCGACGCTGTATTA
napF_RV	ACAGAAGCTGCACTCGTTATT
gapA_FW	GCACCACCAACTGCCTGGCT
gapA_RV	CGCCGCGCCAGTCTTTGTGA
lacZ_FW	AGCGCGATCCCGTCGTTTTACA
lacZ_RV	CAGGCTGCGCAACTGTTGGG
GFP_FW	TGGAGAGGGTGAAGGTGAT
GFP_RV	AGCATTGAACACCATAAGTCAAAG

**Table S5. 5'UTR fragments of BCM-insensitive genes tested in GFP reporter assay (related to the Methods and Resources section: Protein Reporter Assays and Figure S3)**

Name	Sequence
csrD	ATGGAAAAGCAAAGCCGATGAAGCGCAATAAATTGCGAGATAAATCTGAT TTGCTAGTATGCCCGCTTCTCACTATCGGAGTT
bolA	CGCTTGACGGAAAAACCAGGACGAAACCTAAATATTTGTTGTTAAGCTGC AATGGAAACGGTAAAAGCGGCTAGTATTTAAAGGGATGGATGACATCTCA GCGT
dnaQ	GCCGTAACCCCCAGGTCCTGGATTGCCAGACACGAACCATCGGTGAAAA TTTCTACCTGTTTAAGCATCTCTGGTAGACTTCTGTAATTGAATCGAACTG TAAAACGACAAGTCTGACATA