

# Steps toward a luciferase assay system for investigating gene expression

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## SUPPLEMENTAL MATERIAL

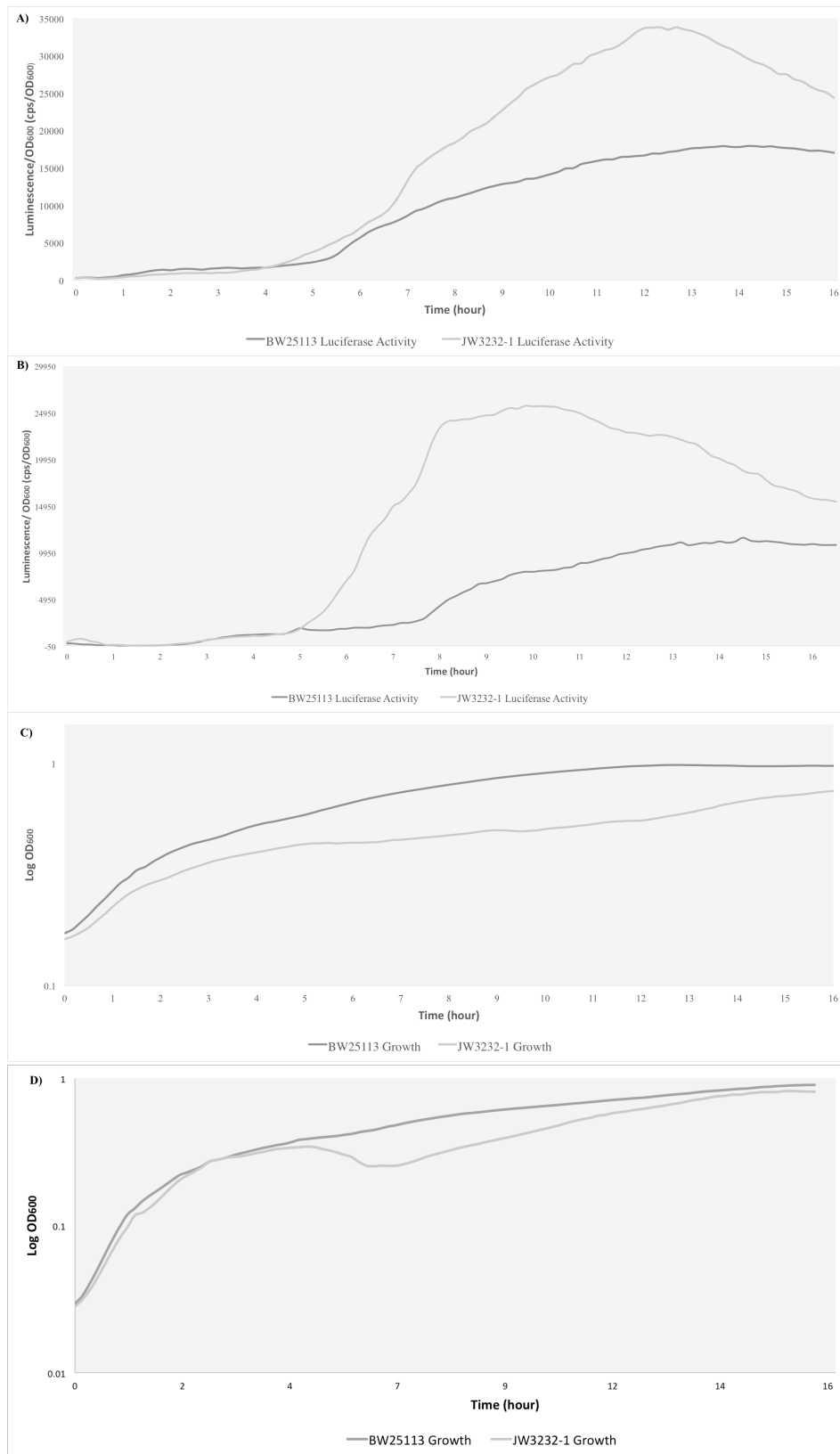
**Table S1. Sequencing results for *Salmonella enterica* promoter insert in pCS26.** Underlined sequence is the *S. enterica* insert. Bolded sequence is the restriction enzyme sites (XhoI and BamHI). The remaining is the pCS26 backbone.

### Sequencing result using pCS26 FWD primer

CTTACCNGAGGGCGCCCCAGCTGGCAATTCCGACGTCTAAGAAACCATTATTATCATGACATTAACC  
TATAAAAATAGGCGTATCACGAGGCCCTTTCGTCTTACCT**CGAG**GGGATCGCGACGATACCGTGT  
TGCATTGTTCTGTTTCCAAATGTCTGGTTCCCGTTTTTCGCATTGGCTGGGTTGCGGGAGGAAGC  
CATGCCAGACAAATCAGCGTTTGCAGTTAATGAGCACATTATCCACCAGTTCCCCATGCAATTGG  
CGTTAGTGGATTATCTCTCGACACGTCGATATGACGCGCATCTGCGACGATTGCGAAGGCAGCTTGC  
CGAACGTAAACAGCAAGCCTGGCAAACCCTTTTGCGCCATCTCCCGCGGAAGTAAAAATTCACCA  
TAACGATAGCGGTTATTTCTTTGGCTGGAGCTACCTGAGCAGCTTGATGCCGGTGAACCTAGCGCC  
AAAGCGTTGAACACCTTATCAGTATCGCGCCGGGAAAATGTTTTCAACGTCCGGCGCCTGGACGC  
GTTTCTTTCGTTTTAACACCGCATGGCATTGGGGAGAACGGGAAGAACAGGCCGTAAAAACAGCTTG  
GCAGCCTGATTTCGCGAGATGCTGAGCGCTAAAAGCCTTGTGTGAGGTGGAATGCGTGTGAGCTCAC  
AACCTGACTAAATTTCCCGAGTGTGCCGGGTGAGCATCTGGCGCGCCGTCTATTTTTNGGAAAGCGG  
CGGCCCGTTCGCCGGAATCGATTAATGACGATATGGGAAAATGCTATGCAATATCANTTACTGATT

### Sequencing result using pCS26 REV primer

TTTTAGTCATATTTGCCATCCATTTGCGGCCGCAACTAGAG**GATCG**GGCGTCATCAAAAACAATCAC  
CGGGGCTTACCACCGAGTTCCATATGCGTACGTTTTATCGCTGGCGCAGTATGGCGCAGAATATGC  
TCCCGGTTCGCGATAGAACCGTTAAAGAGACCATGCGTACTTTTTCATGGCCGGTCAATACATCGC  
CAACAGTTTGCCTCGTCCGAACAGGACATTGAGCACCCCGCGGAAAGATATCCTTCGCCAGCA  
CGGCAAGTTTAAAGCGCCGTACGCGCGTGATTTTCAAGGCTTAATCACCACGCAGTTACCTGCCGC  
CAGCGCTGGCGCCAGCTTCCAGGCCGCCATCATGAGCGGATAATTCACGGCGCGATAGAGGCAAC  
CACGCCAATCGGATCCCGCGGATCATCGACGTATGTCCTTCCAGATATTCGCCC GCCAGCCCA  
CTCAAAACAGGGCCGCGCCGGCAAAAAAGCGAAAGACATCCACGATTGCCGGAATTTTCATCATT  
ATTACGCAGTGCAAAGGCTTACCGCAGTTTTGCGATTCAAGCCGGGCGAACTCAAGGGCGTTTTGCT  
CGATGCTGTCCGCGAGTTTAAACAGACATTCGCCCCGTGCTTTGGGTGTGGTCTGCCCCATTCGGCA  
AACGCGTTATCGGCGGCCTGCACTGCGGCGTCAACCTGCGCGGGCGACGCTTCCGCAATCTCAAGTA  
TGACCTCGCTGTGCGCGGTTATAAACAGACTGCCTTTCTCCCTCGCCGTCCACCAGCACGCCATT  
AATCAGTNNNNATNTNCATANCATTTT



**FIG. S1** Complete 16-hour normalized luciferase activity and optical density measurements of 1/10 diluted *E. coli* BW25113 and JW3232-1 cells carrying *ydcWp*-pCS26. Luminescence of the samples was normalized to the luminescence of empty wells and subsequently to OD<sub>600</sub> of the same time point. The OD<sub>600</sub> readings of the two strains were normalized to empty wells and plotted on a logarithmic scale. (A) Luciferase activity of the first assay replicate. (B) Luciferase activity of the second assay replicate. (C) OD<sub>600</sub> readings of the first assay replicate. (D) OD<sub>600</sub> readings of the second assay replicate.