Table S1. Primers used in this study. Restriction enzymes used for cloning are shown in brackets.

Primers	Sequence (5'-3')	Use
5BamHIREG1UPf	CATACGGATCCTCGAGCTTGCGGAAATAGGG	*EGO55_13520* deletion (amplification of upstream region) (*Bam*HI/*Sal*I)
3SalIREG1UPr	CACAGTCGACATGGGTTAGGCAGGGCATC	
5SalIREG1DOWNf	CACAGTCGACTTGTGATGGTGCGCGTGATC	*EGO55_13520* deletion (amplification of upstream region) (*Sal*I/*Hin*dIII)
3HindIIREG1DOWNr	ACATAAGCTTCGAACTGATGCACCTGCTGA	
F24	CGCCAGGGTTTTCCCAGTCACGAC	Internal primer: used to check insert cloning in pK18mobsacB and to check insertion of pK18mobsacB
R24	AGCGGATAACAATTTCACACAGGA	
extREGf	TCGATAAAGGCCTTGGCGAA	External primer. Together with F24 used to check insertion of pK18edcR. Together with extREGr used to check *EGO55_13520* deletion
extREGr	TGATCCTCAACCGTGTTCCG	External primer. Together with R24 used to check insertion of pK18edcR. Together with extREGf used to check *EGO55_13520* deletion
T0pSEVA237F	CCGAGCGTTCTGAACAAATCC	Internal primer: Together with R24, used to check insert cloning in pSEVA237*PlexA*. Hybridizes in T0 terminator
3SEQIntRegGFPr	ACATTTAATTAAACTCCAGTGAAAAGTTCTTCTCCT	Internal primer: Together with R24, used to check insert cloning in pSEVA237*PlexA*. Hybridizes in *gfp* gene
5BamHICOMPReg2f	ATACGGATCCAGGAGGAAACATTTGGCGAATGAACTGAAGGCTG	Cloning *EGO55_13520* into pSEVA237*PlexA* (*Bam*HI/*Spe*I)
3SpeICOMPReg2r	CACATACTAGTTCAGGCCGCGCTGGAA	
5EcoRIStopIntRegF	ACATGAATTCCTAGGCAGCACCATCCGCCC	Cloning P_a promoter into pSEVA237*PlexA* (*Eco*RI/*Sal*I)
3SalIIntRegR	ACATGTCGACGGTTGCGCGCCGGAGT	
5EcoRIStopIntReg1f	ATATCGAATTCCTAATCGTCGTAGATGGCGGAAAC	Cloning P_b promoter into pSEVA237*PlexA* (*Eco*RI/*Sal*I)
3SalIIntReg1r	ACATGTCGACAAAAAACGCACTTTCGATACTATTGGT	
5PacIPlexAtetRT0f	ACATTTAATTAAAGCGGATAACAATTTCACACAG	Cloning *EGO55_13520* gen together with P_{lexA} promoter form pSEVA23edcR into pSEVA651 (*Pac*I/*Spe*I)
3SpeICOMPReg2r	CACATACTAGTTCAGGCCGCGCTGGAA	
5RTRecAf	CGATCGACGTGCTGGTGATC	RT-PCR, *EGO55_01665* (*recA*) amplification
3RTRecAr	TGCGGACCTGGTTGATGAAA	
5RTCoASynf	CCTGCTTCTGGCTGACGATG	RT-PCR, *EGO55_13555* amplification
3RTCoASynr	TGTCGACGATTTCCTCTGCA	
5RTTonBf	ACTCGTCCGATACCGTTTCG	RT-PCR, *EGO55_13600* (*edcT*) amplification
3RTTonBr	TGTGTTGCGACCATAGAGCG	
5RTDioxf	CGCTATCTTGGGCTGGAGG	RT-PCR, *EGO55_13570* (*edcB*) amplification
3RTDioxr	CGATATCCGGTCGTCACCAG	

Figure S1. Nucleotide sequence of pSEVA237M*Pb*. Hybridation sequences of oligonucleotides used to clone P_b into pSEV237 backbone are underlined. Scars left after ligation of P_b promoter fragment into pSEVA237M-BCD2 backbone are shown in bold. The synthetic bicistronic RBS, BCD2, is shown in italics.

TTAATTAAAGCGGATAACAATTTCACACAGGAGGCCGCCTAGGCTAATCGTCGTAGATGGCGGAAACCGCGGCGGGATTCT
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TATCGAAAGTGCGTTTTTTGGATCC**TCTAGG***GCCCAAGTTCACTTAAAAAGGAGATCAACAATGAAAGCAATTTTCGTACT*
*GAAACATCTTAATCATGCTAAGGAGGT*TTTCTAATGATCATGGGAATTCATAAAGGTGAAGAACTGTTCACCGGTGTTGTT
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GACCACCGCGATTCCGGGCAAAACCGCGTTTCAGGTGCTGGAAGAATATCCGGATAGCGGCGAAAACATTGTGGATGCGCT
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TGGACTGCGTGGCCATGCTTATCTCCATGCGGTAGGGGTGCCGCACGGTTGCGGCACCATGCGCAATCAGCTGCAACTTTT
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CGGGGGGTGCCGCAATGAGCTGTTGCGTACCCCCCTTTTTTAAGTTGTTGATTTTTAAGTCTTTCGCATTTCGCCCTATAT
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ATCAGCTTGTCCAGCAGGGTTGTCCACGGGCCGAGCGAAGCGAGCCAGCCGGTGGCCGCTCGCGGCCATCGTCCACATATC
CACGGGCTGGCAAGGGAGCGCAGCGACCGCGCAGGGCGAAGCCCGGAGAGCAAGCCCGTAGGGGGGGCGCGCCCAGCTGTC
TAGGGCGGCGGATTTGTCCTACTCAGGAGAGCGTTCACCGACAAACAACAGATAAAACGAAAGGCCCAGTCTTTCGACTGA
GCCTTTCGTTTTATTTGATGCCT

Figure S2. Nucleotide sequence of pSEVA237*Pa*. Hybridation sequences of oligonucleotides used to clone P_a into pSEVA237 backbone are underlined and restriction enzyme sites are shown in bold.

TTAATTAAAGCGGATAACAATTTCACACAGGAGGCCGCCTAGGCCGCGGCCGCGC**GAATTC**CTAGGCAGCACCATCCGCCC
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AAACGCACTTTCGATACTATTGGTACTGTTATTAGGAGTCAAGAGACCCGGCCAGCAGATTGTGCCATGAACACAGGGCTG
GACAGACAGAAATTTTATAGGTACCGACAGTTTCGTTAATGGCAACTCCGGCGCGCAACC**GTCGAC**CTGCAGGCATGCAAG
CTTAGGAGGAAAAACATATGAGTAAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAATTAGATGGTGATG
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TGAAGGCAAACTGATTGGCTGCATTGATGTGGGCCGTGTGGGCATTGCGGATCGTTATCAGGATCTGGCCATTCTGTGGAA
CTGCCTGGGCGAATTTAGCCCGAGCCTGCAAAAACGTCTGTTTCAGAAATATGGCATTGATAATCCGGATATGAACAAACT
GCAATTTCATCTGATGCTGGATGAATTTTTCTAATAATTAATTGGACCGCGGTCCGCGCGTTGTCCTTTTCCGCTGCATAA
CCCTGCTTCGGGGTCATTATAGCGATTTTTTCGGTATATCCATCCTTTTTCGCACGATATACAGGATTTTGCCAAAGGGTT
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CTGGCAAGGGAGCGCAGCGACCGCGCAGGGCGAAGCCCGGAGAGCAAGCCCGTAGGGGGGGCGCGCCCAGCTGTCTAGGGC
GGCGGATTTGTCCTACTCAGGAGAGCGTTCACCGACAAACAACAGATAAAACGAAAGGCCCAGTCTTTCGACTGAGCCTTT
CGTTTTATTTGATGCCT

Figure S3. Nucleotide sequence of pSEVA237*Pb*. Hybridation sequences of oligonucleotides used to clone P_b into pSEV237 backbone are underlined and restriction enzyme sites are shown in bold.

TTAATTAAAGCGGATAACAATTTCACACAGGAGGCCGCCTAGGCCGCGGCCGCGC**GAATTC**CTAATCGTCGTAGATGGCGG
AAACCGCGGCGGGATTCTGTTCGCATGCCCTGACAGCGGAAGTAGGAAAGCGGTCGTCGCATAACGCCCGCACGGAGCGCT
GCAGCGCGTCCTGCTCTTCCGATATGCTGAGGTCCATCCCGCTCTTCTCCCATCCGGTTGCGCGCCGGAGTTGCCATTAAC
GAAACTGTCGGTACCTATAAAATTTCTGTCTGTCCAGCCCTGTGTTCATGGCACAATCTGCTGGCCGGGTCTCTTGACTCC
TAATAACAGTACCAATAGTATCGAAAGTGCGTTTTTT**GTCGA***C*CTGCAGGCATGCAAGCTTAGGAGGAAAAACATATGAGT
AAAGGAGAAGAACTTTTCACTGGAGTTGTCCCAATTCTTGTTGAATTAGATGGTGATGTTAATGGGCACAAATTTTCTGTC
AGTGGAGAGGGTGAAGGTGATGCAACATACGGAAAACTTACCCTTAAATTTATTTGCACTACTGGAAAACTACCTGTTCCA
TGGCCAACACTTGTCACTACTTTGACTTATGGTGTTCAATGCTTTTCAAGATACCCAGATCATATGAAACGGCATGACTTT
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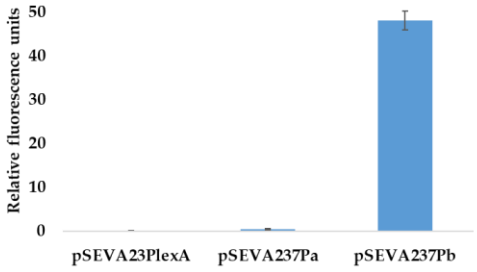

Figure S4. Fluorescence intensity of the *E. coli* DH10B (pSEVA23*PlexA*) as control, *E. coli* DH10B (pSEVA237*Pa*) and *E. coli* DH10B (pSEVA237*Pb*) strains carrying the transcriptional fusions of the P_a, P_b and P_t promoter regions, respectively. The values correspond to the mean of three independent biological replicas (n=3) and error bars correspond to SD.