TABLE S1. Oligonucleotide primers used in this study

Primer	Target gene or plasmid	Sequence (5'- 3')[a]	Cohesive end
HisF	pNVHis18	GCTTTGGCGGTAGATCCCCT	
HisR	pNVHis18, His-tag	TTACGAATTCTAGTGGTGGTGGTGGTGGT GAGCTCGGTACCCGGGGAT	EcoRI
TacF	*tac* promoter	AAGCAAGCTTCTTATCGACTGCACGGTG	HindIII
TacR	*tac* promoter	CGCGCTGCAGCATATGATATCTCCT	PstI
RHA1-xylB1F	*xylB1* from *R. jostii* RHA1	CGATGAATTCTGATCACCGACAAGGCAC	EcoRI
RHA1-xylB1R	*xylB1* from *R. jostii* RHA1	ACTAAAGCTTACGCCGCCTTCGACTACA	HindIII
RHA1-xylB2F	*xylB2* from *R. jostii* RHA1	ATGCGAATTCTTCTATCAGCCGACGGTC	EcoRI
RHA1-xylB2R	*xylB2* from *R. jostii* RHA1	CTAAAAGCTTCGGTCGATGTCGGTGTCA	HindIII
XylA1	*xylA* from *S. lividans* TK23	ACGACTGCAGATGAACTACCAGCCCA	PstI
XylA2	*xylA* from *S. lividans* TK23	TAATGGTACCAGCGGGCGCCGAGGAG	KpnI
xylB1	*xylB* from *S. lividans* TK23	ATTACTGCAGATGTCAGCAGCCGAGGG	PstI
xylB2	*xylB* from *S. lividans* TK23	AATTGGTACCAGCGGGAGGCCGCGTCC	KpnI
xyl-tac1	Expression cassette of *xylB*	GGGTTTTCCCAGTCACGACGTTGTA	
xyl-tac2	Expression cassette of *xylB*	CTCGAAGCTTCGGCTCGTATGTTGTGT	HindIII

[a] The generated restriction sites used in the cloning procedure are underlined.

Figure S1. Map of plasmid pXYLAB. The plasmid contained both *xylA* and *xylB*, which expression was controlled by the *tac* promoter individually. The *repA* and *repB* encoded the region and proteins related to DNA replication in *Rhodococcus* strains. Other abbreviations of the plasmid as shown: kan, kanamycin resistance; neo, neomycin resistance phenotype; ori, origin of replication and P, promoter.