

Table S2. Strains, plasmids and primers used in study

Strain, plasmid or primer	Description	Reference or source
<i>Escherichia coli</i>		
DH5α	<i>endA1 gyrSA96 hrdR17 (rK-mK-) supE44 recA1</i> ; general host strain used for transformation and propagation of plasmids	Boyer & Roulland-Dussoix (1969)
<i>Methylobacterium extorquens</i>		
DSM13060	Wild type; a plant growth-promoting conifer endophyte	Pirttilä et al. 2000
13061	DSM13060 containing mTn5 <i>gusA-pgfp21-Km^r</i> cassette (pFAJ1820)	Pohjanen et al. 2014
13062	13061 containing mTn5 <i>gusA-pgfp21-Km^r</i> cassette and pMP7604 containing mCherry gene under the control of the tac promoter, Tc ^r	This study
Plasmids		
pJET 1.2	Cloning vector for amplified PCR products; Ap ^r	Thermo Fisher Scientific
pME6031	Broad host-range cloning vector which is maintained in Gram-negative bacteria without selection pressure, Tc ^r	Heeb et al. 2000
pMP7604	pMP6031 derivative harboring mCherry gene under the control of the tac promoter, Tc ^r	Lagendijk et al. 2010
pMExt054	pMP7604 pME6031 derivative harboring <i>mCherry</i> gene under control of <i>M.extorquens</i> DSM13060 <i>acdS</i> promoter	This study
pMExt870	pMP7604 pME6031 derivative harboring <i>mCherry</i> gene under control of <i>M.extorquens</i> DSM13060 <i>cobS</i> promoter	This study
pMExt599	pME6031 derivative harboring <i>mCherry</i> gene under control of <i>M. extorquens</i> DSM13060 <i>bphP</i> promoter	This study
Primers		
Gene	Sequence	Name, restriction site*
<i>acdS</i>	TTAT <u>ACGCGT</u> AGCATCCTCCCGAAAGGCGGT	acdSprom-F, <i>MluI</i>
<i>acdS</i>	GGAATTCATATGCGATCGCCTTCGTGTGCGTC	acdSprom-R, <i>NdeI</i>
<i>cobS</i>	TTAT <u>ACGCGT</u> CATTCATCGGCAGGGCTCGTGC	cobSprom-F, <i>MluI</i>
<i>cobS</i>	GGAATTCATATG <u>TCCGCTGCCCTTCCCTTCG</u>	cobSprom-R, <i>NdeI</i>
<i>bphP</i>	TTAT <u>ACGCGT</u> AACCATCGCGCGCCGGG	bphPprom-F, <i>MluI</i>
<i>bphP</i>	GGAATTCATATG <u>TACGGCAGCCGGTATGCCTGC</u>	bphPprom-R, <i>NdeI</i>
<i>mCherry</i>	GGAATTCATATG <u>GTGAGCAAGGGCGAGGA</u>	mCherry-F, <i>NdeI</i>
<i>mCherry</i>	TTAT <u>GGTACC</u> TTACTTGTACAGCTCGTCCATGCC	mCherry-R1, <i>KpnI</i>
<i>For sequencing constructs in plasmid pME6031</i>		
pME6031	CGTGATCGAAATCCAGATCC	pME6031-seq-F
pME6031	C GACTGAATCCGGTGAGAAT	pME6031-seq-R

* Restriction sites are underlined