

**Table 1.** Bacterial strains, plasmids and primers used in this study.

Strain, plasmid, or primer	Genotype or properties	Reference
<b><i>S. maltophilia</i></b>		
KJ	Wild type, a clinical isolate from Taiwan	1
KJ A1	<i>S. maltophilia</i> KJ <i>sodA1</i> mutant; <i>sodA1</i>	This study
KJ A2	<i>S. maltophilia</i> KJ <i>sodA2</i> mutant; <i>sodA2</i>	This study
KJ B	<i>S. maltophilia</i> KJ <i>sodB</i> mutant; <i>sodB</i>	This study
KJ A1ΔB	<i>S. maltophilia</i> KJ <i>sodA1</i> and <i>sodB</i> double mutant; <i>sodA1</i> , <i>sodB</i>	This study
KJ A2ΔB	<i>S. maltophilia</i> KJ <i>sodA2</i> and <i>sodB</i> double mutant; <i>sodA2</i> , <i>sodB</i>	This study
KJ A1 A2	<i>S. maltophilia</i> KJ <i>sodA1</i> and <i>sodA2</i> double mutant; <i>sodA1</i> , <i>sodA2</i>	This study
KJ A1ΔA2ΔB	<i>S. maltophilia</i> KJ <i>sodA1</i> , <i>sodA2</i> , and <i>sodB</i> triple mutant; <i>sodA1</i> , <i>sodA2</i> , <i>sodB</i>	This study
KJΔSoxR	<i>S. maltophilia</i> KJ <i>soxR</i> mutant; <i>soxR</i>	2
KJΔOxyR	<i>S. maltophilia</i> KJ <i>oxyR</i> mutant; <i>oxyR</i>	2
<b><i>Escherichia coli</i></b>		
DH5α	F- φ80dlacZΔM15 Δ( <i>lacZYA-argF</i> )U169 <i>deoR recA1 endA1 hsdR17</i> (r <sub>K</sub> m <sub>K</sub> <sup>+</sup> ) <i>phoA supE44 λ thi-1 gyrA96 relA1</i>	Invitrogen
S17-1	λ pir + mating strain	3
<b>Plasmids</b>		
pEX18Tc	<i>sacB oriT</i> , Tc <sup>r</sup>	4
pRK415	Broad host range expression vector, Tc <sup>r</sup>	5
pRKXylE	Plasmid pRK415 containing a <i>xylE</i> cassette and the orientation of <i>xylE</i> gene being opposite to the orientation of <i>lacZ</i> promoter of pRK415; Tc <sup>r</sup>	1
p SodA1	pEX18Tc with an internal deletion <i>sodA1</i> gene; Tc <sup>r</sup>	This study
pΔSodA2	pEX18Tc with an internal deletion <i>sodA2</i> gene; Tc <sup>r</sup>	This study
pΔSodB	pEX18Tc with an internal deletion <i>sodB</i> gene; Tc <sup>r</sup>	This study
pSodA1 <sub>xylE</sub>	pRK415 with a <i>P<sub>sodA1</sub>-xylE</i> promoter transcriptional fusion; Tc <sup>r</sup>	This study
pSodA2 <sub>xylE</sub>	pRK415 with a <i>P<sub>sodA2</sub>-xylE</i> promoter transcriptional fusion; Tc <sup>r</sup>	This study
pSodB <sub>xylE</sub>	pRK415 with a <i>P<sub>sodB</sub>-xylE</i> promoter transcriptional fusion; Tc <sup>r</sup>	This study
<b>Primers</b>		
SodA1N-F	5'- GGGAGCTCAGTTGAAGGCGTGGA -3'	This study
SodA1N-R	5'- GCTCTAGAAGCGAGTACGACAT -3'	This study
SodA1C-F	5'- GATTCTAGAAGCTGGATGTCTGGGA -3'	This study
SodA1C-R	5'- CGCGCATGCGGATCGGCAAA -3'	This study
SodA2N-F	5'- GCGGTACCTGCTGTTTCGCGGTTA -3'	This study
SodA2N-R	5'- CATCTAGAGCAGGGTATAGGCCA -3'	This study
SodA2C-F	5'- CGTTCTAGAACGTCATCGACTGGA -3'	This study
SodA2C-R	5'- ACCGTCGACCTGATGACCTGGAT -3'	This study
SodBN-F	5'-GGGAGCTCGGCAGGTTGGAGA-3'	This study
SodBN-R	5'-GAAAGCTTCCACGTAGGCGCGA-3'	This study
SodBC-F	5'-GGGAGCTCGGCAGGTTGGAGA-3'	This study

SodBC-R	5'-CAGGTCGACCACCTCGATGCGA-3'	This study
SodA1Q-F	5'- TACTCGCTTCCCCGCTCCC -3'	This study
SodA1Q-R	5'- GCTGAGCACGGTCCAGAACAGG -3'	This study
SodA2Q-F	5'- CCTACGCCTACGACGCGCTG -3'	This study
SodA2Q-R	5'- CACGTCGCCACCGGGTTAC -3'	This study
SodBQ-F	5'- TGCCTGCCCTGCCCTACCTTTC -3'	This study
SodBQ-R	5'- TCGCCGAAGTGGCGCTTAC -3'	This study
16S DNA-F	5'- GACCTTGCGCGATTGAATG -3'	6
16S DNA-R	5'- CGGATCGTCGCCTTGGT -3'	6

## References

1. Hu, R.M.; Huang, K.J.; Wu, L.T.; Hsiao, Y.J.; Yang, T.C. Induction of L1 and L2  $\beta$ -lactamases of *Stenotrophomonas maltophilia*. *Antimicrob. Agents Chemother.* **2008**, *52*, 1198–1200.
2. Wu, C.J.; Chiu, T.T.; Lin, Y.T.; Huang, Y.W.; Yang, T.C. Role of *smeU1VWU2X* operon in the alleviation of oxidative stresses and the occurrence of sulfamethoxazole/trimethoprim-resistant mutants in *Stenotrophomonas maltophilia*. *Antimicrob. Agents Chemother.* **2018**, *62*, e02114-17.
3. Simon, R.; O'Connell, M.; Labes, M.; Puhler, A. Plasmid vector for the genetic analysis and manipulation of *Rhizobia* and other Gram-negative bacteria. *Methods Enzymol* **1986**, *118*, 640-659.
4. Hoang, T.T.; Karkhoff-Schweizer, R.R.; Kutchma, A.J.; Schweizer, H.P. A broad-host-range Flp-FRT recombination system for site-specific excision of chromosomally-located DNA sequences: application for isolation of unmarked *Pseudomonas aeruginosa* mutants. *Gene* **1998**, *212*, 77-86.
5. Keen, N.T.; Tamaki, S.; Kobayashi, D.; Trollinger, D. Improved broad-host-range plasmids for DNA cloning in gram-negative bacteria. *Gene* **1988**, *70*, 191-197.
6. Chen, C.H.; Huang, C.C.; Chung, T.C.; Hu, R.M.; Huang, Y.W.; Yang, T.C. Contribution of resistance-nodulation-division efflux pump operon *smeU1-V-W-U2-X* to multidrug resistance of *Stenotrophomonas maltophilia*. *Antimicrob. Agents Chemother.* **2011**, *55*, 5826-5833.