Figure S1. RNA agarose gel electrophoresis for northern blotting. Lane M, DL2000 Plus DNA marker; lane 1, total RNA of *walR* antisense RNA; lane 2, total RNA of walR+; lane 3, total RNA of V583.

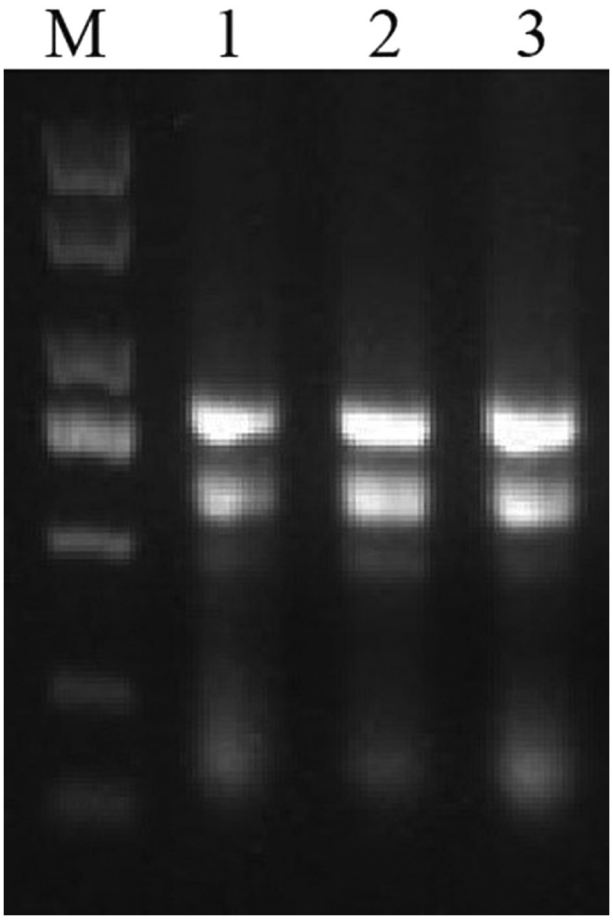

Table SI. Bacterial strains and plasmids used in the present study.

A, Strain	Relevant characteristics and purpose	Source
E. faecalis		
E. faecalis V583	$Spec^s$	ATCC
AS *walR*	pDL278 ($Spec^r$)	The present study
walR+	pDL278 ($Spec^r$)	The present study

B, Plasmid	Relevant characteristics and purpose	Source
pDL278	($Spec^r$) Vector for recombinant generating	Novagen
pDL278ASwalR	($Spec^r$) Vector for AS *walR* expression	
pDL278*walR*	($Spec^r$) Vector for *walR* expression	The present study

E. faecalis, Enterococcus faecalis; AS*walR*, *walR* antisense RNA; ATCC, American Type Culture Collection.

Table SII. Oligonucleotide primers used for RT-qPCR.

Primer	Sequence	Source
16s	F: 5'-AGCAACGCGAAGAACCTTAC-3' R: 5'-ATTTGACGTCATCCCCACCT-3'	Sangon Biotech Co., Ltd.
ace	F: 5'-GGCGACTCAACGTTTGAC-3' R: 5'-TCCAGCCAAATCGCCTAC-3'	Sangon Biotech Co., Ltd.
gelE	F: 5'-GGAACAGACTGCCGGTTTAG-3' R: 5'-TTCTGGATTAGATGCACCCG-3'	Sangon Biotech Co., Ltd.
esp	F: 5'-GGAACGCCTTGGTATGCTAAC-3' R: 5'-GCCACTTTATCAGCCTGAACC-3'	Sangon Biotech Co., Ltd.
walR	F: 5'-CATGGTCTCAAAACGGGGTG-3' R: 5'-AATAACCAACCCCACGACGA-3'	Sangon Biotech Co., Ltd.
walK	F: 5'-CGCGTGTATGTGAATGTCCA-3' R: 5'-GCTTCGTGATTGATCGTGCA-3'	Sangon Biotech Co., Ltd.
epal	F: 5'-AGGCCAAGTATGCTGGTTCA-3' R: 5'-AGAACCAAGGTACCATCCCT-3'	Sangon Biotech Co., Ltd.
epaA	F: 5'-GCCTATGATGCACCAGGAGA-3' R: 5'-CAACCATTCCACCAGCCAAA-3'	Sangon Biotech Co., Ltd.
PCR1	5'-ATGGTGACTGCCAAAGATTCT-3'	First strand cDNA synthesis
AS2	5'-CGGCTTCTTTCGCATTGGTT-3'	RT-qPCR analysis

F, forward; R, reverse; RT-qPCR, reverse transcription-quantitative PCR; PCR1, gene-specific primer for first strand cDNA synthesis; AS2 gene-specific primer for RT-qPCR analysis.

Table SIII. Oligonucleotide primers used for reverse transcription-PCR of the WalR regulon.

Primers	Sequence	Source or reference
34F	5'-ATTCATCCTGATGCATACATGGTC-3'	The present study
34R	5'-CTGCGTACTTAACGTGTTTGAC-3'	The present study
45F	5'-GATACAGACAAAGTAATTCAGG-3'	The present study
45R	5'-CCATTTGGTTGTAGCGCTTAAGTTGC-3'	The present study
56F	5'-GTGGATATTCGCATCACGAACAAC-3'	The present study
56R	5'-AAAGTATTATCCGCAATTTGCAGCC-3'	The present study
67F	5'-ATGCGATAGACACGCTCTATAT-3'	The present study
67R	5'-AATCATGGGATCCATCGCTTGCCACG-3'	The present study

F, forward; R, reverse.

Table SIV. Oligonucleotide primers used for 5'-RACE

Primers	Sequence	Source or reference
A, Antisense RNA detection		
PCREf	5'-GCTTATGATGGAGAAGAAGCACTT-3'	First strand cDNA synthesis
ASEf	5'-TACGGTTACGTCCACTGTCCGCA-3'	RT-PCR detection
B, 5'-RACE		
5'-RACE adapter	5'-GCUGAUGGCGAUGAAUGAAC ACUGCGUUUGCUGGCUUUGAUGAAA-3'	First Choice RLM-RACE kit, Thermo Fisher Scientific, Inc.
5'-RACE outer primer	5'-GCTGATGGCGATGAATGAACACTG-3'	First Choice RLM-RACE kit, Thermo Fisher Scientific, Inc.
5'-RACE inner primer	5'-CGCGGATCCGAACACTGCGTTTGCT GGCTTTGATG-3'	First Choice RLM-RACE kit, Thermo Fisher Scientific, Inc.
Gene-specific outer primer	5'-ATTCATCCTGATGCATACATGGTCT-3'	The present study
Gene-specific inner primer	5'-TCGGACAAGTGATGACTCGTGAACA-3'	The present study
C, Northern blotting probes		
4933-F	5'-TAACCCAATGAGTTCACCA-3'	The present study
4933-R	5'-TGTCAATCTATTAGAGCAAGC-3'	The present study

PCREf, *walR* antisense-specific primer; ASEf, *walR* sense-specific primer; 5'-RACE, 5'-rapid amplification of cDNA ends; F, forward; R, reverse.