

Table S1. Average generation times of *E. faecalis* strains.

<b><i>E. faecalis</i> strain</b>	<b>Average generation time (minutes)</b>
OG1RF	30.4
OG1RF-C	33.9
$\Delta$ epaR	37.4
$\Delta$ epaR_Ew	34.1
$\Delta$ bgsB	27.8
$\Delta$ bgsB_Bw	39.7
$\Delta$ epaR $\Delta$ bgsB	42.7

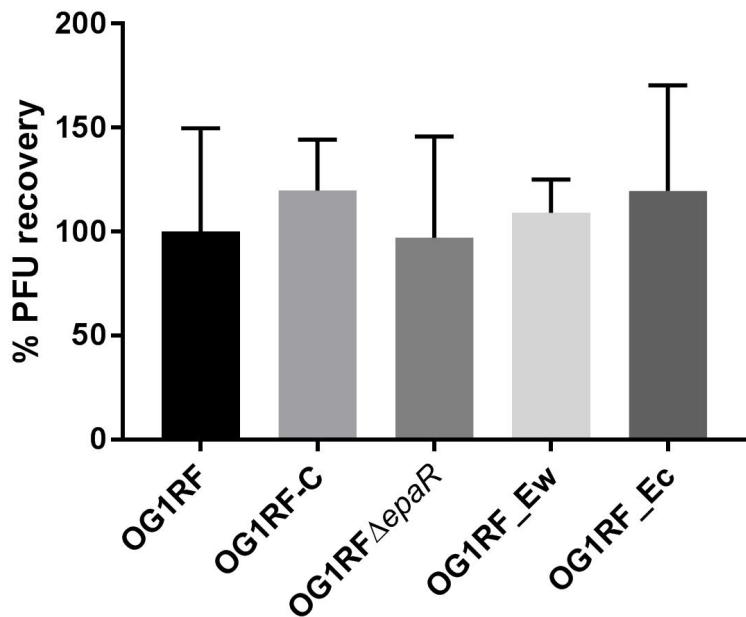
Table S2. Primers used in this study.

Number	Name	Sequence (5'-3')
1	epaR_arm1_BamHI	<b>CGCGGATCCGCGCGATTGGTGCAACGTTGATGT</b>
2	epaR_arm1_ovl	ACTAGCGCGGCCGCTTGCCTCGTCTTGCAATTACTCCATTCAC
3	epaR_arm2_ovl	<u>GGAGCAAGCGGCCGCGCTAGTGGATTGGATGAGTCTGAAGAACG</u>
4	epaR_arm2_EcoRI	<b>CCGGAATTCCGGTCCACTTTCCCTTTCCCTCCCT</b>
5	EpaR_ins check for	GAAACCGCTGGGGACACATA
6	EpaR_ins check rev	TCTGGTTGGATTTCAAAATTTGAGACT
7	BgsB_arm1_BamHI	<b>CGCGGATCCGCGGGCGTAAATGCCATCGTATG</b>
8	BgsB_arm1_ovl	ACTAGCGCGGCCGCTTGCCTCCAGAAGTCGCTACCCACTCA
9	BgsB_arm2_ovl	<u>GGAGCAAGCGGCCGCGCTAGTACTTGATCAACTCAAATGGAAAAAG</u>
10	BgsB_arm2_EcoRI	<b>CCGGAATTCCGGAGGCTTCATATAATTCTGTCGCT</b>
11	BgsB_ins check for	ACGCTTTATCCCTCAGAAGAA
12	BgsB_ins check rev	GGGACAAACAACACCTGTCG
13	epaR_KI for	<b>CGCGGATCCGCGTTGGTGTCAATTGGCTATCTGA</b>
14	epaR_KI rev	<b>CCGGAATTCCGGCGCTCATGAGTAATGTTGCCA</b>
15	Orif	CAATAATCGCATCCGATTGCA
16	KS05	CCTATTATAACCATAATTGGAA

1    **Supplemental Figures**

2    **Figure S1**

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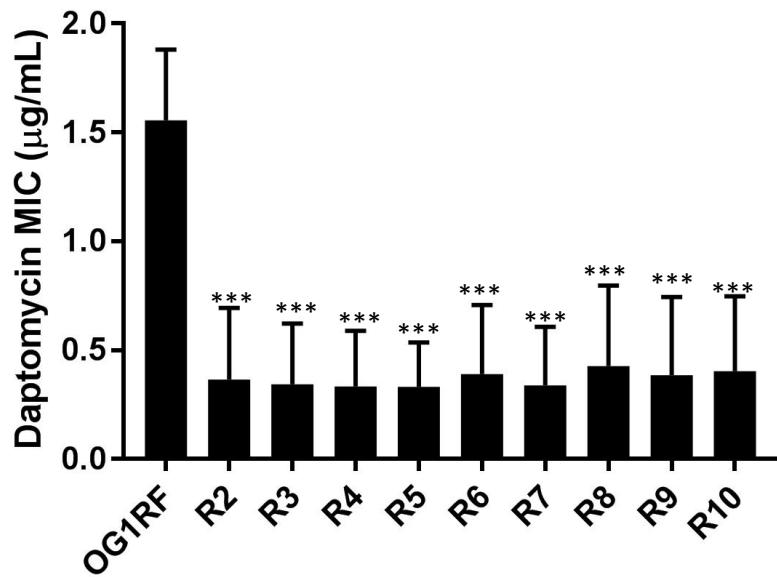
**Figure S1: Percent PFU recovery from pre-incubation of phiNPV1 with polysaccharide extract.** Polysaccharide extract was prepared as described above except for the final solvent being phage buffer rather than 50% acetic acid. phiNPV1 was added at a PFU of  $10^5$  and the mixture was incubated for 15 minutes at  $37^\circ\text{C}$ . The PFU was evaluated with phage spot assay. The percent PFU recovery was calculated using a phage buffer only as the base value. The experiment was performed in duplicate.

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Figure S2

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**Figure S2: Daptomycin MIC of 9 phiNPV1 resistant strains derived from a confluent lysed plate.** 3-5 colonies of indicated strains were resuspended in BHI and swabbed onto a MHB plate. Daptomycin strip was applied to the surface of each plate. The plates were incubated for 18 hours prior to MIC determination. The data represent the average of 6 trials. MIC data points below the detection limit of 0.016  $\mu\text{g/mL}$  were taken to be 0.008  $\mu\text{g/mL}$  for statistical treatment. \*\*\*, p <0.001.

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**Figure S3**

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EpsB	----QFAMQDAGNNLVVLTGPTPGVGKSFVSANLAAVIATGGKRVLLIDADMRKGYLHQY	590
EpaR	DELPQLINVIRG--DMSIVGPRPERPFFVDQFN-----QENPNY---Y	380
WcaJ	DELPQFINVLG--GMSIVGPRPHAVAHNEQYR-----QLIEGY---M	399
GumD	DELPQIFNVLGG--SMSIVGPRPHAAQHNTHYE-----KLINHY---M	419
WbaP	DELPQLFNVLK---DMSIVGPRPIVSDELERYC-----DDVDY----	417
CpsE	DELPQFYNVLK---DMSIVGTRPPTVDEYEKYN-----STQKR----	389
	*	*
EpsB	FGKDRKPGLLDLA--GNRSIEQVVHREVVPGGLDFIATGLFPHNPELLNPRMVELMDT	648
EpaR	LRHNVRAGITGYAQVYGYAS-----	404
WcaJ	LRHKVKPGITGWAQINGWRGET-----DTLE-----KM-E	428
GumD	QRHYVKPGITGWAQVNNGFRGET-----PELR-----TM-K	448
WbaP	-YLMAPKGMTGLWQVSGRNDV-----	440
CpsE	-RLSFKPGITGLWQISGRNNIT-----DF-D	413
	*	
EpsB	FRSQYDLVLVDTPPVLAVALAARAGLVLLVTRFERSTLGEIRETIKQLQHANVDVR	708
EpaR	SKLNFDLLYIKNYSL---LDMKILLQTIKILFDKVSSRGLDESEEREEL-----	451
WcaJ	KRVEFDLEYIREWSVW-FDIKIVFLTVFKGFVNKAAY-----	464
GumD	KRIQYDLDYIRRWSLW-LDIRIIVLTAVRVLGQKTAY-----	484
WbaP	TRVYFDSWYVKNWTIW--NDIAILFKTAKVVLRRDGAY-----	476
CpsE	EIVKLDVQYINEWSIW--SDIKIILLTLKVVLLGTGAK-----	449
	*	

**Figure S3: Clustal W alignment of EpaR and its homologues.** Conserved residues are highlighted in red. Blue asterisks indicate where substitutions occurred in phiNPV1 resistant strains of OG1RF.