

1 **Synergistic effects of antimicrobial peptides and antibiotics against *Clostridium difficile***

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4 **Supplementary data**

5 **Table S1: Results Etest**

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7 **A) Tigecycline**

	Quality control range MIC	MIC :
<i>S.aureus</i> ATCC 25923	0.032- 0.25	0.125
<i>B.fragilis</i> PZ 4024	0.125- 0.5	0.125
<i>B.thetaiotaomicron</i> PZ 4045	0.5- 2	0.5
<i>C.difficile</i> DSM 1296		<0.016
<i>C.difficile</i> Isol. 003		0.016
<i>C.difficile</i> Isol. 058		0.016
<i>C.difficile</i> Isol. 109		0.016
<i>C.difficile</i> Isol. 422		0.016
<i>C.difficile</i> Isol 733		0.016
<i>C.difficile</i> Isol. 1165		0.016
<i>C.difficile</i> Isol. 165		0,016
<i>C.difficile</i> Isol. 1856		0.016
<i>C.difficile</i> Isol. 3331		0.016
<i>C.difficile</i> Isol. 5071		<0.016
<i>C.difficile</i> Isol. 5397		0.016
<i>C.difficile</i> Isol. 5684		0.016
<i>C.difficile</i> Isol. 6504		0.016
<i>C.difficile</i> Isol. 6562		0.016
<i>C.difficile</i> Isol. 6972		0.016
<i>C.difficile</i> Isol. 702		<0.016
<i>C.difficile</i> Isol. 7208		0.016
<i>C.difficile</i> Isol. 801		0.016
<i>C.difficile</i> Isol. 9810		0.016

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9 **B) Moxifloxacin**

	Quality control range MIC	MIC :
<i>B.fragilis</i> PZ 4024	0.125- 0.5	0.125
<i>B.thetaiotaomicron</i> PZ 4045	0.5- 2	0.75
<i>C.difficile</i> DSM 1296		0.38
<i>C.difficile</i> Isol. 003		0.5
<i>C.difficile</i> Isol. 058		>32
<i>C.difficile</i> Isol. 109		0.125
<i>C.difficile</i> Isol. 165		>32
<i>C.difficile</i> Isol. 422		>32
<i>C.difficile</i> Isol. 733		>32
<i>C.difficile</i> Isol. 1165		>32
<i>C.difficile</i> Isol. 1856		>32
<i>C.difficile</i> Isol. 3331		>32
<i>C.difficile</i> Isol. 5071		0.75
<i>C.difficile</i> Isol. 5397		>32
<i>C.difficile</i> Isol. 5684		>32

<i>C. difficile</i> Isol. 6504		>32
<i>C. difficile</i> Isol. 6562		>32
<i>C. difficile</i> Isol. 6972		>32
<i>C. difficile</i> Isol. 702		0.75
<i>C. difficile</i> Isol. 7208		>32
<i>C. difficile</i> Isol. 801		0.5
<i>C. difficile</i> Isol. 9810		>32

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C) Piperacillin/Tazobactam

	Quality control range MIC	MIC:
<i>B.fragilis</i> PZ 4024	0.064- 0.5	0.125
<i>B.thetaiotaomicron</i> PZ 4045		4
<i>C. difficile</i> DSM 1296		3
<i>C. difficile</i> Isol. 003		3
<i>C. difficile</i> Isol. 058		3
<i>C. difficile</i> Isol. 109		3
<i>C. difficile</i> Isol. 422		>32
<i>C. difficile</i> Isol. 733		3
<i>C. difficile</i> Isol. 1165		1,5
<i>C. difficile</i> Isol. 165		6
<i>C. difficile</i> Isol. 1856		4
<i>C. difficile</i> Isol. 5071		1.5
<i>C. difficile</i> Isol. 5684		0.75
<i>C. difficile</i> Isol. 6972		4
<i>C. difficile</i> Isol. 702		0.75
<i>C. difficile</i> Isol. 801		6
<i>C. difficile</i> Isol. 9810		4
<i>C. difficile</i> Isol. 6504		6
<i>C. difficile</i> Isol. 6562		6
<i>C. difficile</i> Isol. 7208		8
<i>C. difficile</i> Isol. 3331		3
<i>C. difficile</i> Isol. 5397		3

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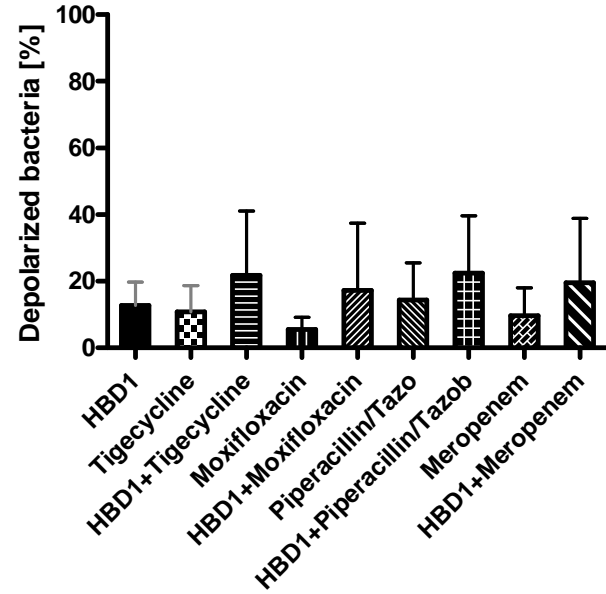
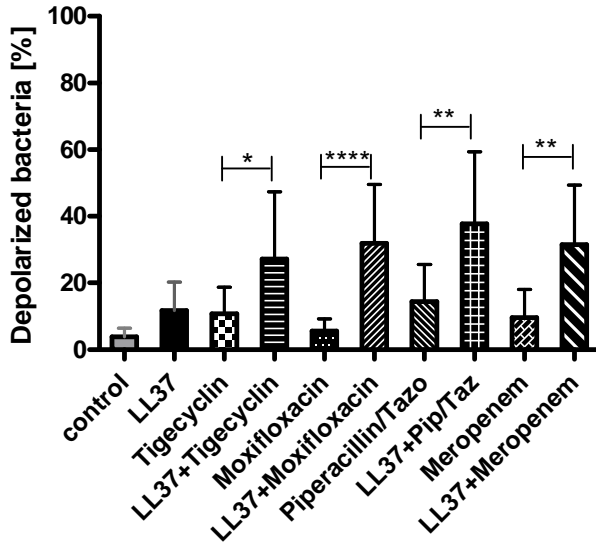
D) Imipenem

	Quality control range MIC:	MIC :
<i>B. fragilis</i> PZ 4024	0.032- 0.125	0.032
<i>B. thetaiotaomicron</i> PZ 4045	0.064- 0.25	0.064
<i>C. difficile</i> DSM 1296		>32
<i>C. difficile</i> Isol. 003		>32
<i>C. difficile</i> Isol. 058		>32
<i>C. difficile</i> Isol. 109		>32
<i>C. difficile</i> Isol. 422		>32
<i>C. difficile</i> Isol. 733		2
<i>C. difficile</i> Isol. 1165		>32
<i>C. difficile</i> Isol. 165		6
<i>C. difficile</i> Isol. 1856		>32
<i>C. difficile</i> Isol. 5071		>32
<i>C. difficile</i> Isol. 5684		>32
<i>C. difficile</i> Isol. 6972		>32
<i>C. difficile</i> Isol. 702		>32
<i>C. difficile</i> Isol. 801		>32
<i>C. difficile</i> Isol. 9810		>32
<i>C. difficile</i> Isol. 6504		>32
<i>C. difficile</i> Isol. 6562		>32
<i>C. difficile</i> Isol. 7208		>32

<i>C. difficile</i> Isol. 3331		12
<i>C. difficile</i> Isol. 5397		>32

15 **Figure S1:**

16 Percent of depolarized bacteria (mean + SD) of 10 toxinogenic strains (A) and 10 non
17 toxinogenic strains (B) incubated with 1 µg/ml of the antimicrobial peptides HBD1, HBD2,
18 HBD3, HD5, LL-37, subinhibitory concentrations of the antibiotics tigecycline, moxifloxacin,
19 piperacillin/tazobactam and meropenem or the combination of antimicrobial peptides and
20 antibiotics. Untreated control see first graph, first bar. For comparison of means of bacterial
21 killing the Mann-Whitney test was used (****: $p < 0.0001$; ***: $p < 0.0005$; **: $p < 0.005$; *: $p <$
22 0.05).



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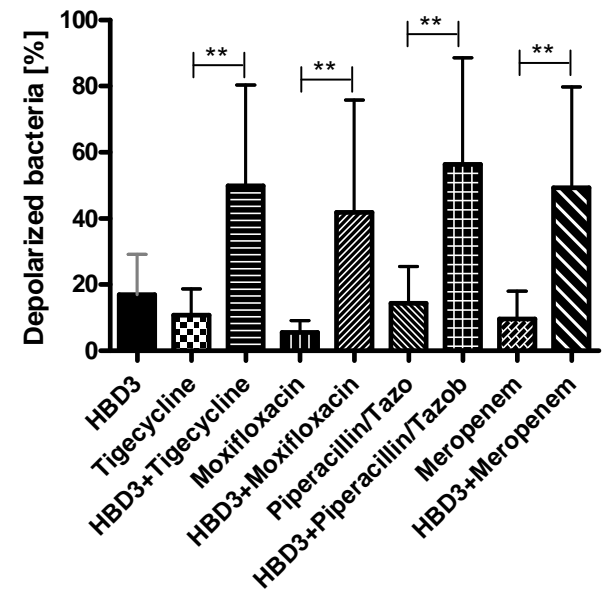
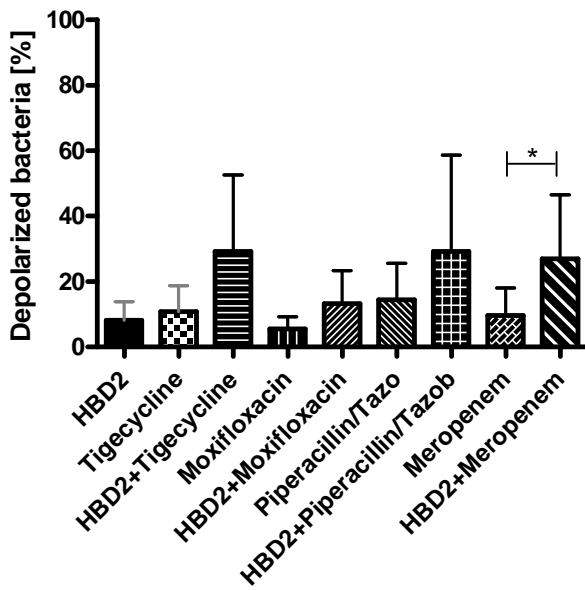
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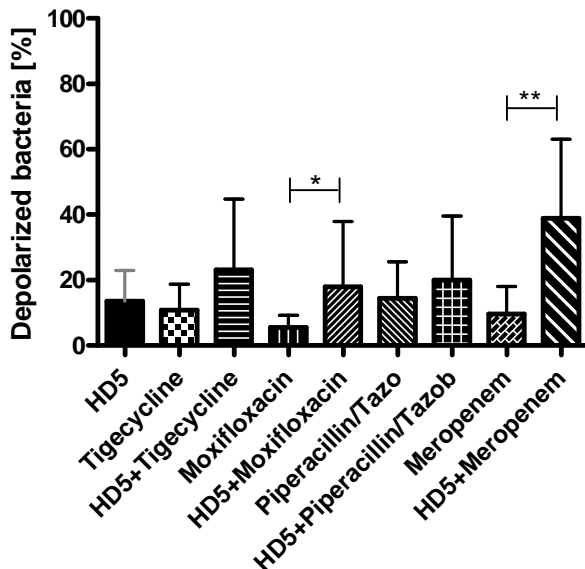
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41 B)

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