

**Table S1: Elution times, measured and expected masses of the seven disulfide bridge isomers of chimera 1.**

	<b>Retention time, min</b>	<b>Detected mass*, Da</b>
<b>C1.1</b>	21.258	4705
<b>C1.2</b>	21.650	4705
<b>C1.3</b>	22.667	4705
<b>C1.4</b>	23.300	4705
<b>C1.5</b>	23.842	4705
<b>C1.6</b>	24.250	4705
<b>C1.7</b>	25.125	4705

\*: Average mass expected: 4704 Da + mass of H<sup>+</sup>

**Table S2: Salt sensitivity of the antimicrobial activities of HBD2, HBD3 and chimeras****C3 and C5.** The salt sensitivity was tested against *E. coli* ATCC35218 and *S. aureus*ATCC12600 by measuring the MBC and LD<sub>90</sub> values in presence of 50, 100 and 150 mMsodium chloride. MBC, minimal bactericidal concentration [ $\mu\text{g/ml}$ ]; LD<sub>90</sub>: 90 % lethal dose[ $\mu\text{g/ml}$ ].

	<i>E. coli</i> ATCC 35218		<i>S. aureus</i> ATCC 12600	
	MBC	LD <sub>90</sub>	MBC	LD <sub>90</sub>
<b>HBD2</b>				
-	0.78	0.2	6.25	1.56
50 mM NaCl	3.13	0.78	25	25
100 mM NaCl	12.5	3.13	>100	50
150 mM NaCl	>100	25	>100	>100
<b>HBD3</b>				
-	1.56	0.39	1.56	0.78
50 mM NaCl	6.25	1.56	1.56	0.78
100 mM NaCl	>100	12.5	6.25	1.56
150 mM NaCl	>100	>100	12.5	6.25
<b>Chimera C3</b>				
-	0.2	0.1	0.78	0.2
50 mM NaCl	1.56	0.1	1.56	0.78
100 mM NaCl	25	6.25	6.25	3.13
150 mM NaCl	>100	12.5	50	12.5
<b>Chimera C5</b>				
-	0.2	0.05	0.39	0.1
50 mM NaCl	0.78	0.1	0.39	0.1
100 mM NaCl	0.78	0.2	0.39	0.2
150 mM NaCl	1.56	0.2	0.39	0.1