

<i>L. monocytogenes</i>	Indicator strain	Laboratory collection
<i>B. cereus</i> ATCC14579	Indicator strain	Laboratory collection
<i>S. aureus</i> RN6390B	Indicator strain	Laboratory collection
<i>E. coli</i> DH5a	Indicator strain	Laboratory collection
<i>Lactococcus lactis</i> NZ9000	Indicator strain	Laboratory collection
<i>Mycobacterium smegmatis</i>	Indicator strain	Laboratory collection
<i>S. aureus</i> MRSA CAL	MRSA Indicator strain	Girbe Buist UMCG
<i>S. aureus</i> MRSA MW2	MRSA Indicator strain	Girbe Buist UMCG

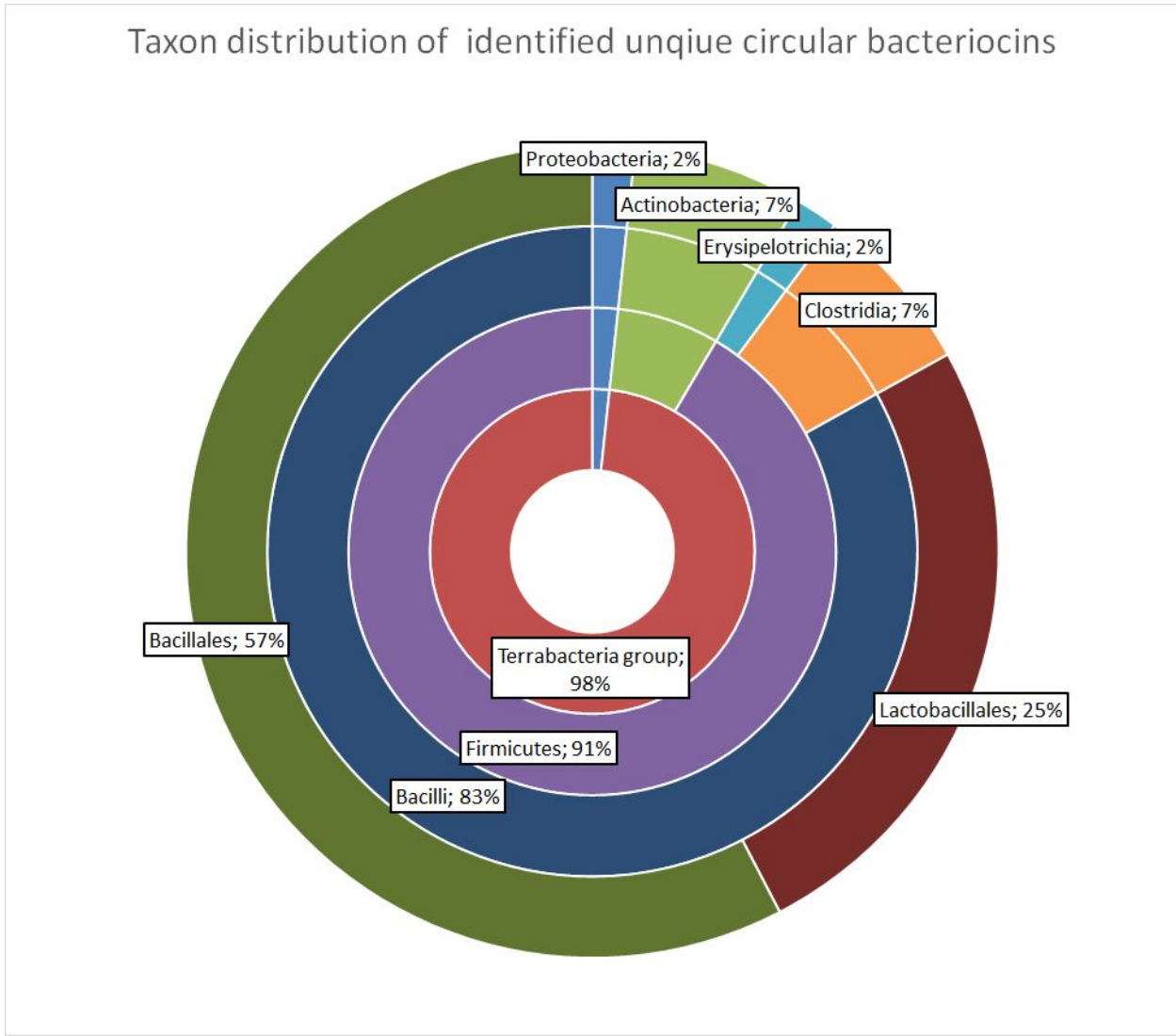


Figure S4. Distribution of the identified circular bacteriocins over the different taxa. In total 59 unique (at least one AA difference in the leader or core peptide) sequences were identified.

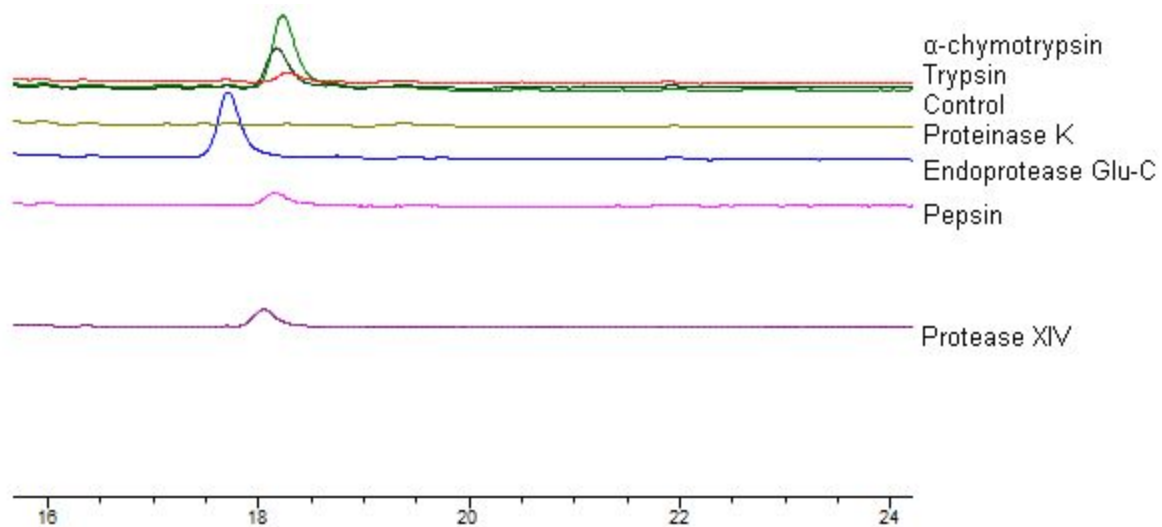


Figure S5. HPLC profile at 280 nm of pumilarin (control) and pumilarin cleaved with different proteases. Light green corresponds to the uncleaved peptide, dark green to the proteolysis with trypsin, red with α -chymotrypsin, brown with proteinase K, blue with endoprotease Glu-C, pink with pepsin and purple with protease XIV. The separation was performed according to (4).

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2. Kemperman R, Kuipers A, Karsens H, Nauta A, Kuipers O, Kok J. Identification and characterization of two novel clostridial bacteriocins, circularin A and closticin 574. *Appl Environ Microbiol.* 2003 Mar;69(3):1589–97.
3. Wirawan RE, Swanson KM, Kleffmann T, Jack RW, Tagg JR. Uberolysin: a novel cyclic bacteriocin produced by *Streptococcus uberis*. *Microbiology.* 2007 May;153(Pt 5):1619–30.
4. Montalbán-López M, Spolaore B, Pinato O, Martínez-Bueno M, Valdivia E, Maqueda M, et al. Characterization of linear forms of the circular enterocin AS-48 obtained by limited proteolysis. *FEBS Lett.* 2008 Sep 22;582(21-22):3237–42.