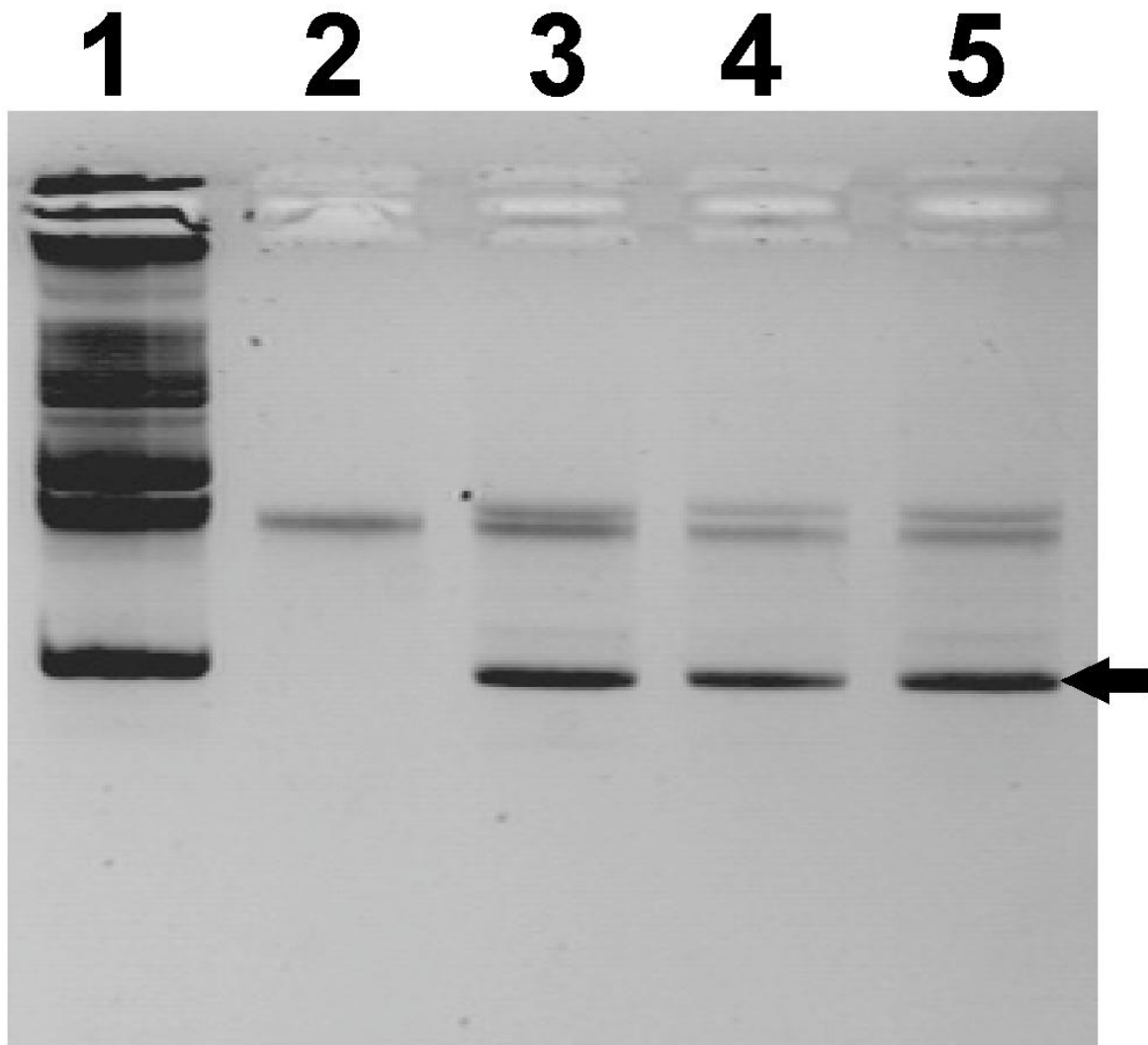


Supplementary data for article :

Lozo, J.; Mirkovic, N.; O'Connor, P. M.; Malesevic, M.; Miljkovic, M.; Polović, N.; Jovicic, B.; Cotter, P. D.; Kojić, M. O. Lactolisterin BU, a Novel Class II Broad-Spectrum Bacteriocin from *Lactococcus Lactis* Subsp *Lactis* Bv. *Diacetylactis* BGBU1-4. *Applied and Environmental Microbiology* **2017**, 83 (21).

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1 SUPPLEMENTAL MATERIAL

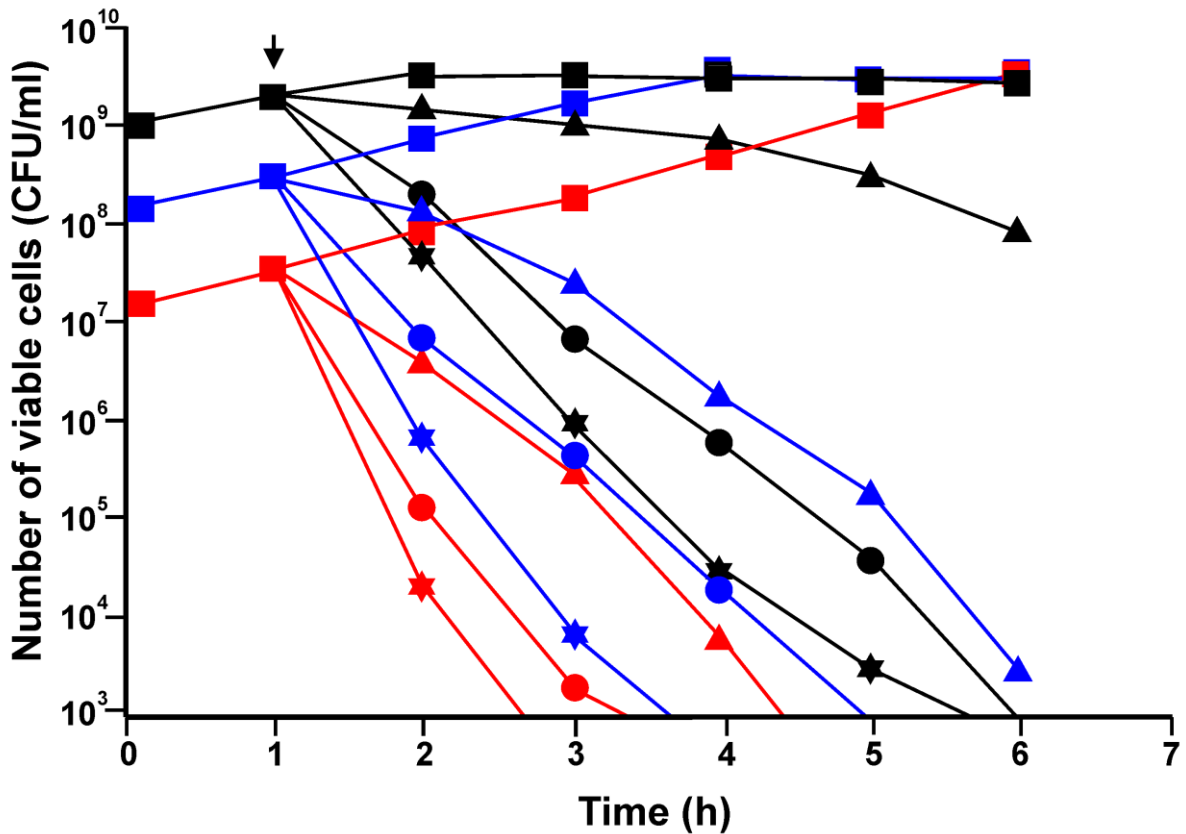


2

3 **Figure S1.** Plasmid profiles of parental strain BGBU1-4 and transformants of MG7284 on 1%  
4 agarose gel. 1. strain BGBU1-4, 2. strain MG7284, 3, 4 and 5 transformants MG7284/pBU6.

5 Black arrow indicates position of plasmid pBU6.

6



7

8 **Figure S2.** Lactolisterin BU activity on the growth of *L. monocytogenes* ATCC19111.  
 9 Lactolisterin BU was added in three concentrations: 1.34 μM - minimal inhibitory  
 10 concentration (▲), 4.02 μM - three times higher than MIC value (●), and 13.4 μM - ten times  
 11 higher concentration than MIC value (✱) after 1 h of growth (indicated by black arrow) to the  
 12 cultures of *L. monocytogenes* ATCC19111 started with different number of cells: 3 x 10<sup>7</sup>-  
 13 early logarithmic phase (symbols and lines in red), 3.3 x 10<sup>8</sup> - middle logarithmic phase  
 14 (symbols and lines in blue) and 2 x 10<sup>9</sup> cells/mL - stationary phase (symbols and lines in  
 15 black). As a control, cultures of *L. monocytogenes* ATCC19111 were grown without  
 16 lactolisterin BU (■).