

Figure S1. Schematic representation of pJOE9282.1 plasmid: R, L – sites of insertion of bacilysin, bacteriocin, and sigma-F sporulation factor genes fragments at the SfiI site

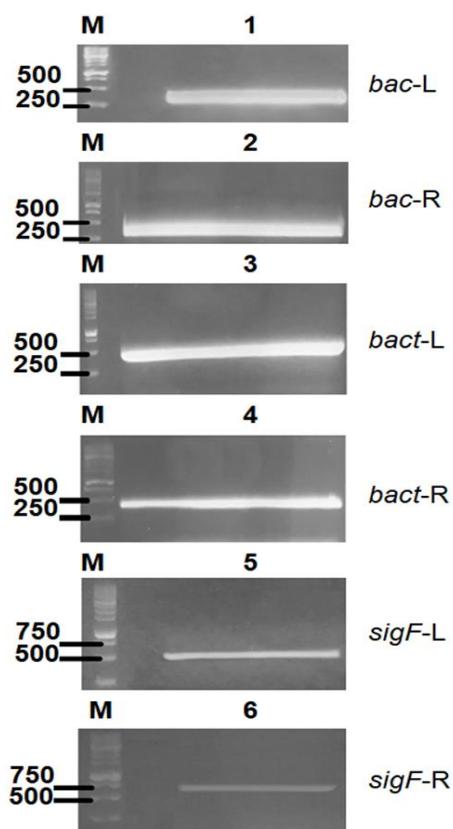


Figure S2. Electrophoresis of amplification products of gene fragments: M - DNA marker (10 Kb); 1 – *bac*-L (404 b.p.); 2 – *bac*-R (402 bp); 3 – *bact*-L (501 b.p.); 4 – *bact*-R (503 b.p.); 5 – *sigF*-L (500 b.p.); 6 – *sigF*-R (716 b.p.).

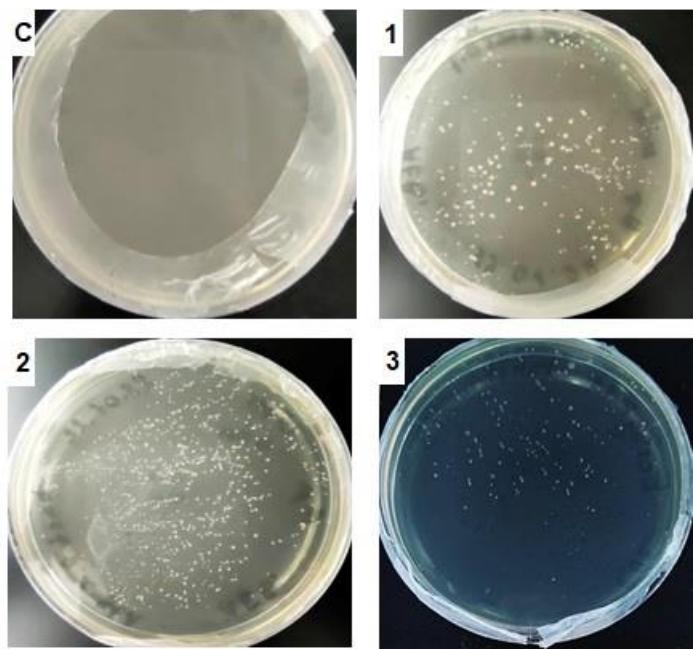


Figure S3. - Colonies of transformed *B. pumilus* 3-19 cells. C - negative control; 1 – colonies of *B. pumilus* 3-19 transformants with pDlb11.21 vector; 2 – colonies of *B. pumilus* 3-19 transformants with pVYb11.21 vector; 3 – colonies of *B. pumilus* 3-19 transformants with pGAs11.21 vector.