

SUPPLEMENTARY MATERIAL

Putative function of *L.lactis* phage bIL285, bIL286, bIL309, bIL310, bIL311 and bIL312 proteins, deduced from amino acid sequence homology to known proteins. Organisms possessing homologous proteins are indicated. For phages, the bacterial host is indicated in parentheses by the following three-letter acronyms: *Bsu*, *B.subtilis*; *Eco*, *E.coli*; *Hin*, *Haemophilus influenzae*; *Lca*, *Lactobacillus casei*; *Lde*, *L.delbrueckii*; *Lga*, *Lactobacillus gasseri*; *Lla*, *L.lactis*; *Lmo*, *Listeria monocytogenes*; *Lpl*, *Lactobacillus plantarum*; *Mav*, *Mycobacterium avium*; *Msm*, *Mycobacterium smegmatis*; *Pae*, *Pseudomonas aeruginosa*; *Sau*, *S.aureus*; *Spn*, *Streptococcus pneumoniae*; *Spy*, *Streptococcus pyogenes*; *Sth*, *Streptococcus thermophilus*; *Vch*, *Vibrio cholerae*. Accession numbers are as follows: 105 (*Bsu*), AB016282; 186 (*Eco*), U32222; 29 (*Bsu*), M14782; 80 (*Eco*), A57258; 82 (*Eco*), X92588; A118 (*Lmo*), AJ242593; A2 (*Lca*), X97563; *adh* (*Lga*), Z97974; APSE-1 (endosymbiont), AF157835; B103 (*Bsu*), X99260; bIL170 (*Lla*), AF009630; bIL67 (*Lla*), L33769; BK5-T (*Lla*), L44593; *B.subtilis* ClpP, P80244; *B.subtilis* DnaI, P06567; *B.subtilis* SSB, P37455; c2 (*Lla*), L48605; C31 (*Streptomyces*), AJ006589;

Cp-1 (*Spn*), Z47794; CTX (*Vch*), AF055890; CTX (*Pae*), AB008550; D3 (*Pae*), AF147978; Dp-1 (*Spn*), Z93946; DT1 (*Sth*), AF085222; *E.coli* ClpP, J05534; *E.coli* DnaC, J04030; *E.coli* RusA, X92587; flu (*Hin*), L42023; gle (*Lpl*), X98106; HK022 (*Eco*), AF069308; HK97 (*Eco*), U18319; ICeSt1 (*Sth*), AJ243106; L5 (*Msm*), Z18946; LC3 (*Lla*), L10286; LL-H (*Lde*), L29568, L02496, L42315; *L.lactis* CspD, Y17217; O1205 (*Sth*), U88974; P1 (*Eco*), AF125376; P2 (*Eco*), AF063097; P22 (*Eco*), M12584; P4 (*Eco*), X51522; PBSX (*Bsu*), P23789; PVL (*Sau*), AB09866; PZA (*Bsu*), M11813; r1t (*Lla*), U38906; Rac (*Eco*), L23927; SalP1 (*Sau*), U93688; SF6 (*Bsu*), 67297X; Sfi11 (*Sth*), AF158600; Sfi19 (*Sth*), AF115102; Sfi21 (*Sth*), AF115103; sk1 (*Lla*), AF011378; SPBc2 (*Bsu*), AF020713; SPP1 (*Bsu*), X97918; T5 (*Eco*), AJ001191; T12 (*Spy*), U40453; T270 (*Spy*), U22342; TM4 (*Mav*), AF068845; Tn5252 (*Spn*), L29324; Tn5276 (*Lla*), L27649; TP901-1 (*Lla*), Y14232; TPJ-34 (*Sth*), AF020798; TPW22 (*Lla*), AF066865; Tuc2009 (*Lla*), AF109874, L26219, L31348, L31364, L31365, L31366.

