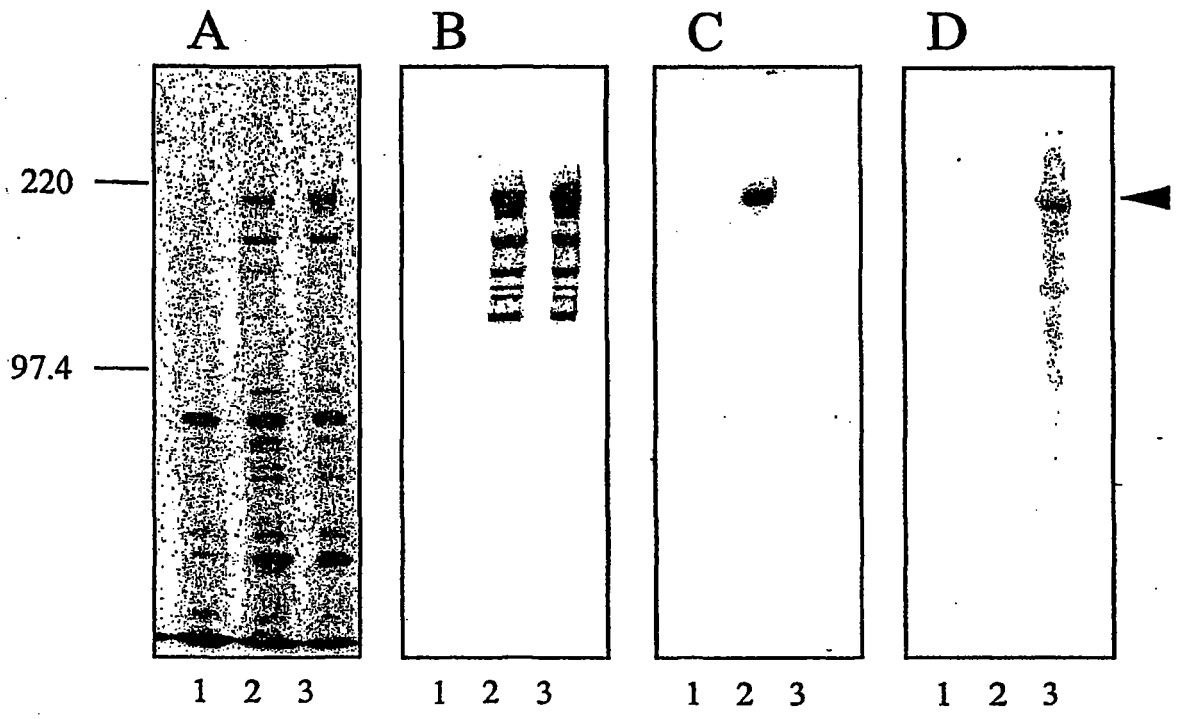


Figure 1. Expression of PrtB fusion proteins from recombinant Lactobacillus johnsonii (La1). Whole bacterial cell lysates from overnight cultures of La1 wild type (lane 1), La1 carrying pMD112TT (La1TT, lane 2) or pMD112E4 (La1E4, lane 3) were separated by SDS-6% PAGE and stained with BM Fast stain (panel A) or transferred to nitrocellulose filters incubated either with rabbit anti-PrtB serum diluted 1:2000 (panel B), rabbit anti-TT serum diluted 1:1000 (panel C) or with affinity purified rabbit anti-ε4 serum (SDS280 (panel D). Binding antibodies were detected with horseradish peroxidase conjugated goat anti-rabbit IgG (Fc) antibodies. The arrow indicates the height of the proteinase band seen in A-D..

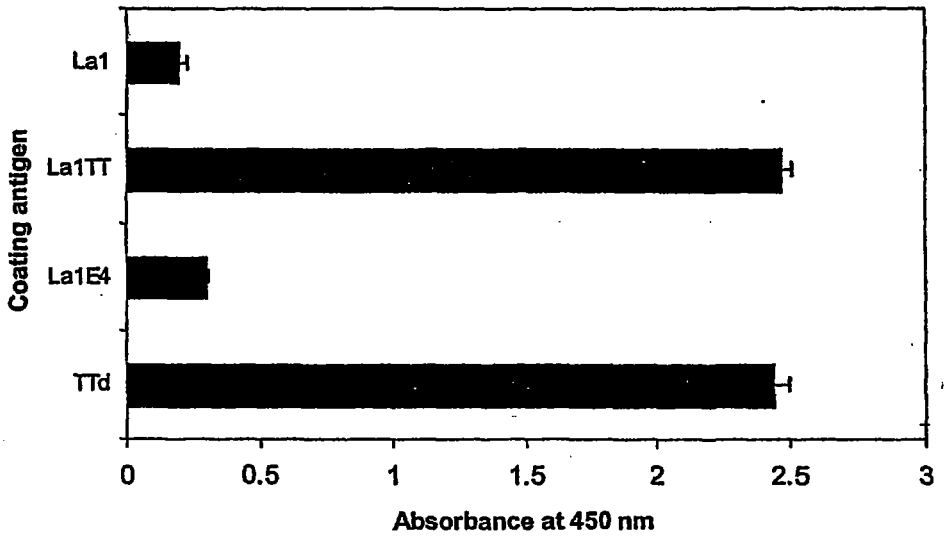


Figure 2. Binding of anti-TT IgG to Tetanus mimotope surface displayed on Lactobacillus johnsonii (La1) in ELISA. Wells were coated with different bacterial clones (approximately 10^8 bacteria per well) and incubated with rabbit anti-TT serum diluted 1:1000. Tetanus toxoid was coated as a control at a concentration of 10µg/ml. Binding antibodies were detected with a horseradish peroxidase conjugated goat anti-rabbit IgG (Fc) antibodies.

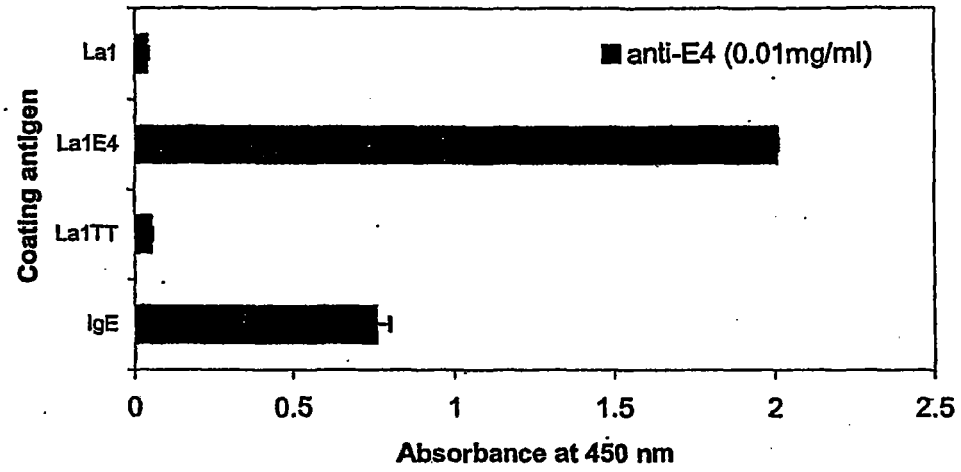


Figure 3. Binding of anti-ε4 IgG to surface displayed epsilon4 (E4) mimotopes on Lactobacillus johnsonii (La1) in ELISA. Wells were coated with different bacterial clones (approximately 10^8 bacteria per well) and incubated with affinity purified rabbit anti-ε4 serum (SDS280) at a concentration of 10μg/ml. As control IgE Savazal (10μg/ml) was coated. Binding antibodies were detected using horseradish peroxidase labeled goat anti-rabbit IgG (Fc) antibodies.