

Supplementary Info File:

Figure S1

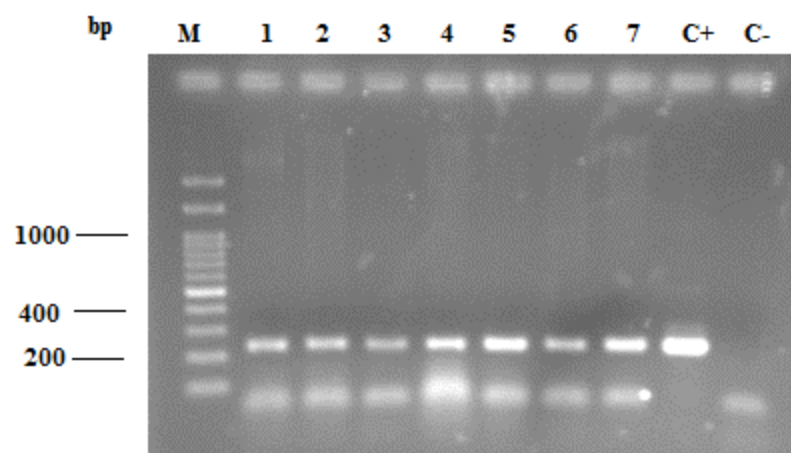


Figure S2

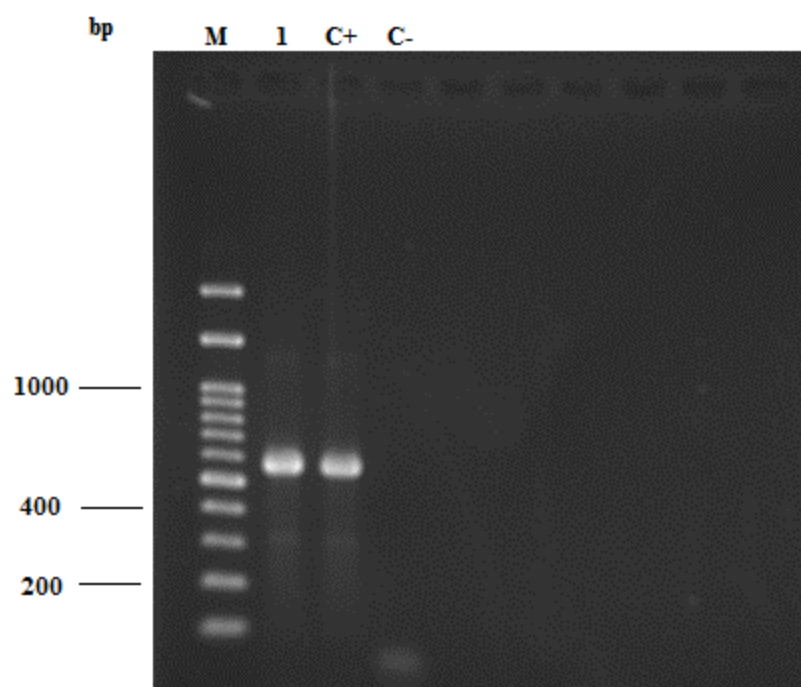


Figure S3

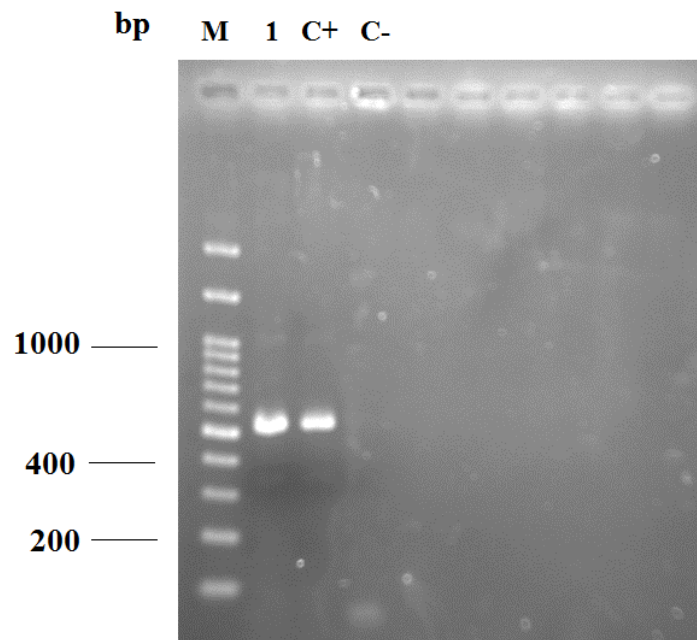


Figure S4

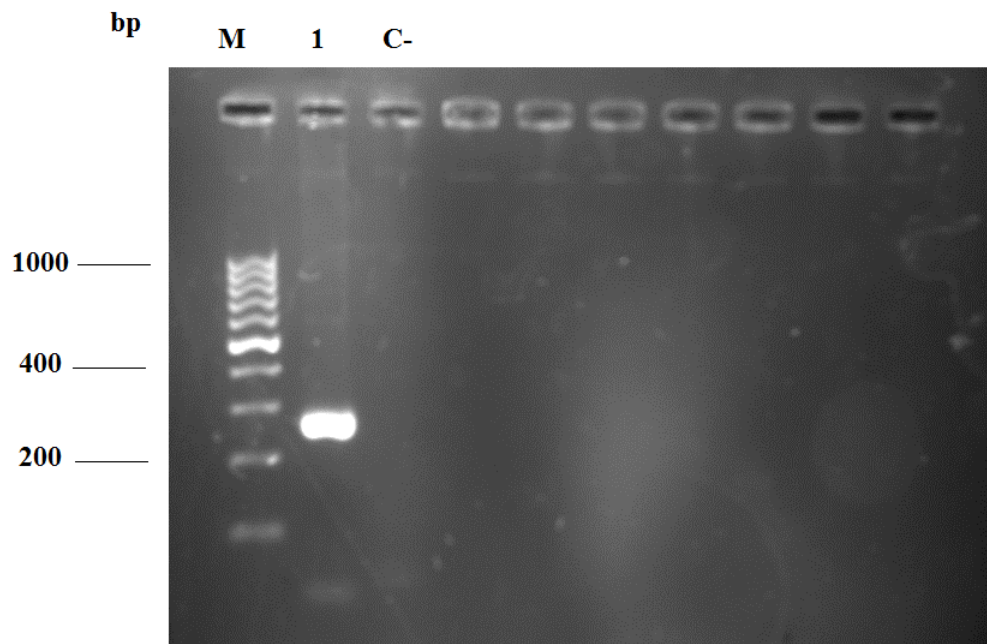


Figure S5

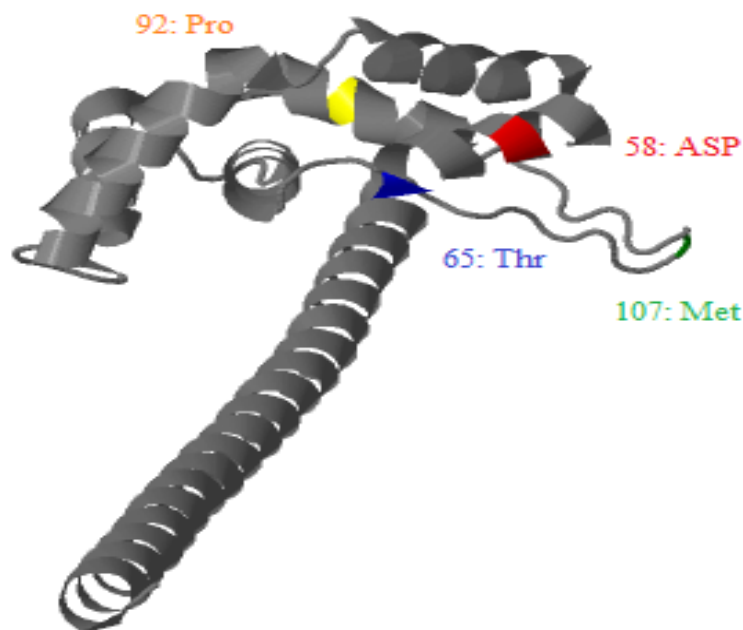


Figure Legends

Figure S1: Electrophoresis of the final PCR product on the *sodA* gene in a number of *Streptococcus zooepidemicus* isolates

M: Marker 100bp, Lane 1 to 7: Some *Streptococcus zooepidemicus* isolates, C+ (Positive control): *Streptococcus zooepidemicus* ATCC 35195, C-: Negative control

Figure S2: Electrophoresis of the final PCR product on the *SeM* gene in a number of *Streptococcus equi* isolate

M: Marker 100bp, Lane 1: *Streptococcus equi* isolate, C+ (Positive control): *Streptococcus equi* MZ292707, C-: Negative control

Figure S3: Electrophoresis of the final PCR product on the *SeeI* gene (OK663661) in a number of *Streptococcus equi* isolate

M: Marker 100bp, Lane 1: *Streptococcus equi* isolate, C+ (Positive control): *Streptococcus equi* prepared from microbial collection, C-: Negative control

Figure S4: Electrophoresis of the final PCR product on the *Streptokinase* gene in a number of *Streptococcus dysgalactiae* subsp. *equisimilis* isolate

M: Marker 100bp, Lane 1: *Streptococcus dysgalactiae* subsp. *equisimilis* isolate, C-: Negative control

Figure S5: Three-dimensional model of protein gene *SeM*-97