Detection of SpaA and SpaD proteins on *L. rhamnosus* strains by Western Blots

**Methods:**
Previously described [29](Kankainen et al. 2009)
The methods includes extraction of cell wall proteins, SDS-PAGE and detection of SpaA and SpaD on membrane using polyclonal (rabbit) anti-SpaA or anti-SpaD antibodies (1:10000 dilution) and development of the films using ECL kit.
S1 Fig A: Western blots detecting Anti-SpaA

**MARKER**  Lrh 11  Lrh 18  Lr GG (Positive control)

**MARKER**  Lrh 30  Lrh 8  Lrh 38  Lrh 9  Lrh 39  Lr GG (Positive control)

SpaA:  +  +  +  +  +  +  +  +
S1 Fig B: Western blots detecting Anti-SpaA
S1 Fig C: Western blots detecting Anti-SpaD

**MARKER**
- Lrh 11
- Lrh 18
- SpaD (Positive control)

**SpaD:**
- Lrh 30
- Lrh 8
- Lrh 38
- Lrh 9
- Lrh 39
- Lr GG, Neg. control
- SpaD (Positive control)

**kDa**
- 250
- 150
- 100
- 75
- 50
- 37
- 25
- 20

**SpaD:**
- -
- -
- +
- -
- -
- -
- -
- +
S1 Fig D: Western blots detecting Anti-SpaD

MARKER  Lrh 32  Lrh 46  Lrh 47  Lrh 28  Lrh 14  Lrh 20  Lrh 7  SpaD  (Positive control)

MARKER  Lrh 13  Lrh 22

SpaD  :  -  -  -  -  -  -  -  -  +

SpaD (Positive control)