



STRUCTURAL BIOLOGY
COMMUNICATIONS

Volume 73 (2017)

Supporting information for article:

Crystallization and X-ray diffraction analysis of SpaE, a basal pilus protein from the gut-adapted *Lactobacillus rhamnosus* GG

Arjun K. Mishra, Abhin Kumar Megta, Airi Palva, Ingemar von Ossowski and Vengadesan Krishnan

a

10 20 30 40 50 60
MRRFYWWLVP LLLIGIVLG NTPHWVHAAD QTAEIVIHKR IYRDIR**QPED** **VWYENDGHR**I

70 80 90 100 110 120
DPNNPKDGY KLLSKTSGLN GANFEVYDAS SLLKPNMTP E AIRALVDRYQ NMTRKQALKF

130 140 150 160 170 180
ARANLKLAGQ GNKGIGLMNT KNDPTLGEDG ISRITVSVDQ QAPTKAYLMI EVAPDPSTEL

190 200 210 220 230 240
NVDLERKSSP MLVVPVTD P ISGNPLQTIH LYPKNVGYVR DPYFFKFGVH PDGTSKR**LAG**

250 260 270 280 290 300
AIFAIYRIEN GKKLYLDMSP VTDLRNK**WVS** **TTDPLHDDR**V NK**FVSDQDGL** **VNTGER**FLPA

310 320 330 340 350 360
GEYFFEELQG VPGYEVDAKS RAIK**IEIPDS** **WEDEGNRRF** VLIDGQPMQE NFGGVVTPEM

370 380 390 400 410 420
ISSGYPRVYN YADKQASTTG DQTAGPSTTQ LGNHGQDTNG TGTRTPKRQS GYLPAMSDWR

430 440 450
NLRFVLLGSL LLLLATYFFI KNKKARHHAC K

b

Start-End	MW _{obs}	MW _{pred}	Miss	Sequence
47-59	1643.7027	1643.6964	0	R.QPEDVWYENDGHR.I
238-247	1093.6304	1093.6284	0	R.LAGAIFAIYR.I
268-279	1440.6720	1440.6634	0	K.WVSTTDPLHDDR.V
283-296	1535.7350	1535.7216	0	K.FVSDQDGLVNTGER.F
325-339	1829.8350	1829.8180	1	K.IEIPDSWEDEDGNRR.F

Supplementary Figure S1. Peptide mass fingerprinting of SpaE crystals. Protein identification was done through a search of the NCBI non-redundant protein database using the Mascot search engine (Matrix Science). **a** Coverage report of peptide mass fingerprinting for the dissolved SpaE crystals. Matched peptides are shown in bold red. **b** Predicted peptides.

