

TABLE S3: Protein sequence % coverage of the ORFs deduced from the nucleotide sequence of the contigs obtained by *L. lactis* TIL448 plasmid sequencing and which were identified by LC-MS-MS after the shaving experiments (listed in Table II). Matched peptides are shown in yellow.

Contig	Number of amino acid residues	% coverage
<p>Contig 324 (pilin YhgE2)</p> <p>MKLKTCCKSFNQKVTIATVSLTLLATVGGNSNSVFADSTNTPDTSSVR EITVHAYNGTKNNANTLGNNDGSPLTGIIKAQSLSNVGFSAVKIEPA SGYTVTTMDPSNSSTYNLVGSPVIGTTGADGTATLNIGTGSANDGY YLVTQTTSSDGI TAAAPFIVQVPLNYTRTSPDGSWTYDVNVYPKLD ASQYTNPKDTIGLNDGTNTDKQSSI FVGQNV TWNLATNFPTSMRIK NSNGSFTYGKAEFKDQLDSNLTYKSITFSTALQNTSTNSFSQITPL TLIADNDYTLTTTNGMVDI ILLTNTGIDKVLAAALPAATPGNTSMFI P NITTMVSANYTFGQIGNSFIPNLTNAYGVNLNPNNSNPATPTTP GGQTPDLYLGALSLKQVDSVSGTVLQGAVFGIATSAEKASAGDFVQ KGSDGTLYADKESVPNGVKTADYTQTTDANGQATFVGLQLQDNTDV TNVSRANTTYIISELAPAGYNIPNGPFQVTAGITNPLNNLKNNLN GGNIKLPFTGGQGI IGLII IAGVAAGGSII IRRRKTIDEG</p>	546	35 %
<p>Contig 608 (mucus-binding protein muc)</p> <p>MRKIIGKKNKVHYVEETTRFQMVKSHKGWLVIGASMFALGLGVQVT SRPVSADVATSTSSSAVNAETTSASSSSAVNADSTSANKSSAVNA ETTGASSSSAVNADSTSANNSSAVNAETTSASSSSATNADSTSASS SSAVNADSTSANNSSAVNAETTSASSSSATNAETTSASSSSAVNAD STSASSSSAVNADSTSANNSSAVNAETTSASSSSATNAETTSASSSS SAVNADSTSASISAMKADVTSAGSVTNTGFVSDPDYPSGMWIDPD NSHYSYEWLQANQGGNQIVFSTNRTGDGIVYVTELSALNKVLKQYT LNQNTQVTSAVFASTIYYNDVYFEMVRSSNSFVIKYTASKFDNIS YNTLSYFVPKLITQTTYVVDKDGKQIIDSNGNPVAAAYTQKGLVGQN YTTGDVNVNGYYAIAPANSNGVMSPYGKIGASYVKNFHDGVVITY TQTGSDGMSASIAQNGTVLQWTWTSIKPSDPTITYQLGYAKYGIKN PYIPQTSDIKYVYNKLGWIVYNPDGSTTSRIYPNDPSNPTKIADS SVPDYPVIAFIPGYIPEDHMGTPLPVDPDDRTKGYIPPTPSDNGT DTTITYTADTQKGSVSYVDDTTGKTLKTDSISGTTGSKSTYSTSGN IADYKKQGYALVTDGYPAALTFDNDDDTTDQNFVHLKHQLTPVNP EPQTPGAPINPDEPDGPKWPTSTYYDKTVNETVSYVDQNGHVVAQ HTDSVNFTRTVVVDNVTGEVITSGAGTTAWTATNGD'TFDVAVSPV VPGSVADKAQTAAVTDLTADSSDVNETVYTKVGLVPSSSDGNFP GAPTVGYPNDPDATKVTTPAGVPTVPGYTAHDPEGHVLTGSSYQP SDPTKDTTITYTADTQKGSVSYVDDTTGKTLKTDSISGTTGSKSSY STSGNIADYKKQGYALVTDGYPAALTFDNDDDTTDQNFVHLKHQNI QSTEAKTVTETIHYQGAGNQTPADNTAQVTFTRQVSTDTVTGEKTY GSWADQSFAAVTSPVIKGYTPDQAEIGAKTVSGDASDLDFTVIYT KDAPTKPVKPSQPTTPAKPVQAGQAAATNFVDQRLPQTGETDQQHM TLSGLLLLAMSTVLGLFGMTKRQRKE</p>	1130	4.4%
<p>Contig 352 (OppA-like, peptide transport system)</p> <p>PKLKYKYKKLKAGNFDVAYQNPDKAIKGGNLKVAYQSDSPIKAEWL</p>	366 (partial)	27.6 %

<p>AGLSDDATFSTMSSPGGGQDALFFTNSSFKFIDGGPANVSLDQKAK TATITLRKDLKWSGDGSEVTAKDYEFTYETIANPAYGSDRWTDSLAN IVGLSDYHAGKAKTISGITFPDGENGKVIKVQFKEMKPGMTQSGNG YFLESVAPYQYLKDVAPKDLASSPKTTTKPLVTGPFKENVVAGES IKYVPNPYYWGKKPKLNSITYEIVSTAKSVAALSSGKYDFINGMAN SQYKQVKNLKGKYLGLGQALYISLMYYNLGHYDAKNSINVQDRKTP LQDQNVQAIGYARNVAEVDNKFSNGLSTPANSIPIPKQFTSPS VKGYEKQDLDKANKLLDEDGWKLNKSTG</p>		
<p>Contig 347 (glucan sucrose)</p> <p>CLSQLNKVNNNATPQADNAAANDYNHSDNGNYGYIDSATINNNQLH VVGWSATNQAVNKDTSRYVIAYDNTTNSELGRVQVTNPVARPDVKK AHNVYDAQNSGFVNVSLNFDKMNSYCDAIRIISRYSGVDPGNSDY VDYVSPVVLDKNDYAYLDNFVNVNGILHVSQWGNATNKAIKRPNH VILYDRTTNREVARQRVITGIERPDVERAYPQVNVANI SGFAADFG VTNLNPNDEYQILSRYSNRDNGEGSYVTHGFNPQRLAPTTFQNRGY LDNFNISKAGQFAVRGWQATNLSNIQSNRFVILFDNTAKRQVASVK ISGTRDPDVEKAYSQVLNAAKSGYNVTFDLNQSQIAQLLPNHSYSI VSRYSADANGNGNKKQHTDIWSAPIVLDKTASHIDGISLNSNLN KGWMSADASATQTNPYVIVLNNNGKEVARQKLTLTARPDVARVYPDI YNSSISGFNTTINLTVPKLNQLTGNMQILLRYSAASDGNPTRNGGT TNQYSKNYATNGGNFDFVKVDDNNQVEFSGWHVSDQATDKPYQWII LANGKEVGRQLISSTTDGLVSYNRPDVYVNPAPISDSSTSGFQGI TLNSSIKNVRVQLVHRFSDDGQKGEANRVDFWSKVMPVASTFQKGS DPVMKNLVAKPQGNQLNIYNGNTNGNTVLKTLGPGTWENMAFAQDS SAIN</p>	694 (partial)	29.7%
<p>Contig 351 (glucan sucrose)</p> <p>AQFIKYFVNNGYENANYRLTKVSVANLNKDTDATVNLNTAAQNLRYV IEQSIATNKGTGKLANDINGFAATVPELSASSELSLQSMKNYKDE SGTVDSQVIFVNSADSKYRSMNRTINNQTGNDNSDNPPELLVGN IDNSNPVQAENLNWEYFLLNYGKLMGYNQDGNFDGFRIDAADNID ADVLDQMGQLMNDMYHMKGNPQNANNHLSYNEGYHSGAAQMLNKKG NPQLYMDSREFTYLENILGRANNRDTISNLVTNSIVNRQNDVTENE ATPNWSFVTNHDQRKNLINRLI IKDHPGIAYIMGSAYKAEYADQAW QEFYADQKTKDQYAYNVPAQYAILLSNKDTPQIYYGDLYNETA QYMQEKSIIYDAITTLMKARKQFVSGGQTMTKLSDNLIASVRYGKG VANANSEGTDSLSRTSGMAVIVGNPQMAEQTISINMGRAHANEQY RNLLDTTDNGLYNADGAENPETLTDDNGILKVTVKGYSNPYVSG YLVVWVPPVSGNQDVTTNAATVSADSNKIFESNAALDSHMIYEDFS LYQPEPTSTENHAYNIIAQNAELFNNLGITDFWMAPAYTSSDMSRY NEGYSVTDRYNLGTNANLTKYGSGEELANAIAALHSAGLKVQEDIV MNQMIGFPGQEAVTVTRTDNRGKQIYVNGKTYANQIYFAYTTGGGN GQETYGGKYLSELQSKYPDLFTTRAISTDVAPDPTTHITKWSAKYE NGTSLQNIIGLAVKLPNGEYAYLRSSDNKSFNTLLPSEIGRL</p>	779 (partial)	12 %
<p>Contig 597 (nisin resistance protein)</p> <p>WRIFNMKIGKRILLGLVAVCALFLGIIYFWGYKFNIYLVPPSPQKY VRVALKNMDELGLFTDSKEWVETKKKTI EETSNAKNYAETIPFLQK AIKVAGGKHSFIEHEEDISKRSITKYIKPKAEIEGNTLILTIPEFT GNDSQASDYANFLESSLHKNNYNGVIVDLRGNRGGDLSPMVLGLSP LLPDGTLFTYVDKSSHSKPVELQNGEINSGGSSTKVS DNKKIKKAP IAVLIDNNTGSSGELTALCFKGI PNVKFLGSDSAGYTSANQTVYLY DGSTLQITSAFVKDRTNNIYKNFPISPDIQTNNAKSSAIEWIKSQI K</p>	323 (partial)	6.8%