

# Supplementary Materials for

## IgY Targeting Bacterial Quorum-Sensing Molecules in Implant-Associated Infections

chosen target sequences:

<b>AtfE</b>	<p>LOCUS ATL_STAEP 1335 aa linear BCT 28-MAR-2018          DEFINITION RecName: Full=Bifunctional autolysin; AltName: Full=AtfE; Includes:          RecName: Full=N-acetylmuramoyl-L-alanine amidase; Includes:          RecName: Full=Mannosyl-glycoprotein          endo-beta-N-acetylglucosaminidase; Flags: Precursor.          ACCESSION O33635          VERSION O33635.1          DBSOURCE UniProtKB: locus ATL_STAEP, accession <a href="#">O33635</a>;          Secreted;          Signal.          SOURCE Staphylococcus epidermidis          1081 gkyvwikstd lvkekikyay tgmtlnnain iqsrlykypq vqneplkwsn anysqiknam          1141 dtkrlandss lkyqflrdq pqylsaqaln kllkgkgvle nqgaafsqa rkyglneiyl          1201 <b>ishalvetgn</b> gtsqlakggd vskgkftkt ghkyhvnvfgi gafdnnalvd gikyaknagw          1261 tsvskaiigg akfignsyvk agqntlykmr wnpanpgthq yatdinwanv naqvlkqfyd</p>
<b>GroEL</b>	<p>LOCUS CH60_ECOLI 548 aa linear BCT 28-MAR-2018          DEFINITION RecName: Full=60 kDa chaperonin; AltName: Full=GroEL protein;          AltName: Full=Protein Cpn60.          ACCESSION P0A6F5          VERSION P0A6F5.2          DBSOURCE UniProtKB: locus CH60_ECOLI, accession <a href="#">P0A6F5</a>;          421 rvaskladlr gnedqnvgi kvalrameap lrqivlncge epsvvantvk ggdngnygyna          481 ateevgnmid mgildptkvt rsalqyaasv aglmittecm vtdlpkndaa dlgaaggmgg          541 mggmggmm</p>
<b>PIA</b>	<p>LOCUS AAQ88122 289 aa linear BCT 29-APR-2005          DEFINITION IcaB [Staphylococcus epidermidis].          ACCESSION AAQ88122          VERSION AAQ88122.1          DBSOURCE accession <a href="#">AY382582.1</a>          KEYWORDS .          SOURCE <i>Staphylococcus epidermidis</i>          ORGANISM <i>Staphylococcus epidermidis</i>          Bacteria; Firmicutes; Bacilli; Bacillales; Staphylococcaceae;  <i>Staphylococcus</i>.          REFERENCE 1 (residues 1 to 289)          AUTHORS Li,H., Xu,L., Wang,J., Wen,Y., Vuong,C., Otto,M. and Gao,Q.          TITLE Conversion of <i>Staphylococcus epidermidis</i> strains from commensal to          invasive by expression of the ica locus encoding production of          biofilm exopolysaccharide          121 dmdqtiydna spvlkkyhip atgflitnhi gsnfnhlnl lskkqldemy etglwdfesh          181 thdlhalkkg nkskfldssq svaskdikks ehylknypk neralaypyg linddrikam          241 kknqiqyfft lqekavtpda dnyriprilv sndafetlik ewdgdfeek</p>