

Organization Applicant

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<110> OrganizationName : J. Stefan Institute

Application Project

<120> Title : Crystal Structure of Staphylococcus aureus Autolysin E
<130> AppFileReference : S69622PC
<140> CurrentAppNumber :
<141> CurrentFilingDate : ____-__-__

Sequence

<213> OrganismName : Staphylococcus aureus
<400> PreSequenceString :
MKKNFKLRIS TLLLVILVV FAVLLIVNET KLFKNDVNYS FDEAVSMQQG KGIVQTKCED 60
GKFVEANNE IAKAMTISHK DNDMKYMDIT EKVPMSESEV NQLLKGGKIL ENRGKVFLEA 120
QEKYEYNNVIY LVSHALVETG NGKSELAKGI KDGKKRYYNF FGIGAFDSSA VRSGKSYAEK 180
EQWTSPDKAI IGGAKFIRNE YFENNQLNLY QMRWNPENPA QHQYASDIRW ADKIAKLMDK 240
SYKQFGIKKD DIRQTYK 258
<212> Type : PRT
<211> Length : 258
SequenceName : Full Length At1E
SequenceDescription :

Sequence

<213> OrganismName : Staphylococcus aureus
<400> PreSequenceString :
NDVNYSFDEA VSMQQGKGIV QTKCEDGKFV EANNNEIAKA MTISHKDNDM KYMDITEKVP 60
MSESEVNQLL KGKGILENRG KVFLEAQEKY EVNVIYLVSH ALVETGNGKS ELAKGIKDGK 120
KRYYNFFGIG AFDSSAVRSG KSYAEKEQWT SPDKAIIGGA KFIRNEYFEN NQLNLYQMRW 180
NPENPAHQY ASDIRWADKI AKLMDKSYKQ FGIKKDDIRQ TYK 224
<212> Type : PRT
<211> Length : 224
SequenceName : SAV2307_At1
SequenceDescription :

Sequence

<213> OrganismName : Staphylococcus aureus
<400> PreSequenceString :
SPYTFKQALD KQMARGNPKK SNAWGWANAT RAQTSSAMNV KRIWESNTQC YQMLNLGKYQ 60
GVSVSALNKI LKGKGTLLNQ GKAFAEACKK HNINEIYLIA HAFLESGYGT SNFANGKDGV 120
YNYFGIGAYD NNPNYAMTFA RNKGWTSPAK AIMGGASFVR KDYINKGQNT LYRIRWNPKN 180
PATHQYATAI EWCQHQNNTI ASLKQFIILK GIYFTRDKYK 220
<212> Type : PRT
<211> Length : 220
SequenceName : SAV0909_At1
SequenceDescription :

Sequence

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<213> OrganismName : Staphylococcus aureus
<400> PreSequenceString :
EKLPLVTLNDA AKKQINNYTS QKVSNNKKND WRDASATQTK SAMDSGTFID NEKQKYQFLN      60
LSKYQGIDKN RIKCMLVDRP TLLKHTDDFA KAAKDKHVNE VYLIAHAFLE SGAVTSNFAN      120
GVEIDGDKVY NYYGVGALDK DPIKTAAEFA KNHGWDTPKE AISGGADFDVH KHFLSSTDQN      180
TLYSMRWNP K NPGEHQYATA IKWCESNQT IADFLKNMKT EGKYFKYFVK KSKHLNK      237

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<212> Type : PRT
<211> Length : 237
      SequenceName : SAV1775_At1
      SequenceDescription :

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Sequence

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<213> OrganismName : Staphylococcus aureus
<400> PreSequenceString :
PASDDKANQK SKSKDNQSMS DSALDSILDQ YSDDAKKTQK DYASQGKKDK NEKSNTQNPQ      60
LPTQDELKHK SKPAQSFNND VNQKDTTRATS MFETDPSISK NDDSGQFNVV DSKDTRQFVK      120
SIADDAHRIG QNDNIYASVM IAQAILES DS VRSAFANSPN HNLFGIKGAF EGNSVPFNTL      180
EADGNKLYSI NAGFRKYPTT KESLKDYS DL VKKGIDGNRT IYKPTWKS KA DSYKDATSHL      240
SSTYATDPNY AKKLNSIIKH YQLFQFDDER MPDLHDK      277
<212> Type : PRT
<211> Length : 277
      SequenceName : SAV2644_At1
      SequenceDescription :

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Sequence

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<213> OrganismName : Staphylococcus aureus
<400> PreSequenceString :
PQTGMTLNQV AQIKANLQYK PSVQRVPDQW TDDAFKDVKH YADTKRLAQD PALKYQFLRL      60
DQPQNIKIDK ITSFFETDPV ISKQAAAANK IAQMNGIYEV VMIAQAILES DSVTSQFANS      120
ADVNNKVVV NSNTKEHNVV PFATYENDPL KEYIKNAKQA GYDTVSESLV DYSDLVGKSI      180
VKAGNNTIYK PTWKSADGT HQYKTAVDHL NINYAIIKGY ADKINEVGKY FDIPQFD      237

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<212> Type : PRT
<211> Length : 237
      SequenceName : SAV1052_At1A
      SequenceDescription :

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Sequence

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<213> OrganismName : Staphylococcus pneumoniae
<400> PreSequenceString :
NPFLFKDLTE ATNYSAEELD KVFSLLNINN SLLNKGATF KEAEEHYHIN ALYLLAHSAL      60
ESNWGRSKIA KDKNNFFGIT TFDDVDKGIL GATKWIKENY IDRGRFTLGN KASGMNVEYA      120
SDPYWGEKIA SVMMKINEKL GSKD      144
<212> Type : PRT
<211> Length : 144
      SequenceName : LytB_SP
      SequenceDescription :

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Sequence

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<213> OrganismName : Listeria monocytogenes

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<400> PreSequenceString :
QQTFFINSIST QAMDLCCKHYN LYPSVMIAQS ALESNWGRSE LDKAPNNLF GIKGSYNGKS      60

VTMKTWEYS D SKGWYQINAN FAKYPDHKES LEDNTKKLKE GPSWDSSYYK GAWRENAKTY      120

KDATAWLQGR YATDNTYGS K LNTVISSYNL TQYD      154
<212> Type : PRT
<211> Length : 154
      SequenceName : Lmo
      SequenceDescription :

Sequence
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<213> OrganismName : Sphingomonas sp. strain A1
<400> PreSequenceString :
AQAFVDATWP QAAKLAQSLG LPAHFMIAQS ALESNWGRSQ IRNKDGTPSN NLFNIKGGSN      60

WTGKVV EART VKVRVERFRA YDDYEQSFQD YTDLVGESPR YAKVAGKTDG HAFARALQEG      120

GYATDPSYGS KLN RVINGNA LRQRLMASAA SARGLE      156
<212> Type : PRT
<211> Length : 156
      SequenceName : FlgJ
      SequenceDescription :

Sequence
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<213> OrganismName : Atlantic cod
<400> PreSequenceString :
AARMDKYKSF INNVAKSHVL DPAVIAATIS RESRAGNVIF NTTPPGWGDN YNGFGLMQVD      60

KRYHEPRGAW NSEEHFDQAT GILVEFIQLI QKKFPSWSTE VQLKGAI AAY NTGDGRVESY      120

ESVDSRTTGK DYSNDVVARA QWYKLNGF      148
<212> Type : PRT
<211> Length : 148
      SequenceName : ACOD
      SequenceDescription :

Sequence
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<213> OrganismName : Homo sapiens
<400> PreSequenceString :
KVFERCDLAR TLKRLGMDGH RGISLANWMC LIKWESRYNT RITNYNAGDR STDFGIMQVN      60

SRYWCNDGKT PGAVNACHLS CSALLQDNIA DHVACAKRVV RDPQGIRAWV AWRNDCQNRD      120

VRQYVQCGCV      130
<212> Type : PRT
<211> Length : 130
      SequenceName : HLYZ
      SequenceDescription :

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