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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1402 DSB67 RS12670 WP 010643257.1      ....................MKTIAPQLKNYRWKGINSS.GKKTSGNVLAMTEIEVRERLDAQHIKIKKLKKGSISFITK.   59
NTDB id 1169 A1552VC RS11075 WP 000648511.1    ....................MKATQTLPLKNYRWKGINSN.GKKVSGQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLLAR.   60
NTDB id 1252 GC085 RS07730 WP 011213805.1      ....................MDKNSPPLLTFHYQGINKA.GQKMEGDIQARSLAIAKADLRKQGIVTNKVVKKRKPLFDR.   59
NTDB id 1198 PSJM300 03950 AFN76868.1          ....................MAQKAIKNSVFTWEGLDRQ.GAKIKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS..   58
NTDB id 1016 ACIAD RS01680 WP 004920476.1      ....................MAAKKTQVMPVFAYEGVDRK.GIKLKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGL   61
NTDB id 1059 ABD1 RS01610 WP 000279215.1       ....................MAVKKAQMMPTFAYEGVDRK.GVKIKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGL   61
NTDB id 997978 ABET67 RS03380 WP 014616068.1  MATRAPTANRSAAASARKTASTKAPTQYIFEWEGKDRK.GKAFKGEMRAESITEVNAVLRKQGLSITKSKRRRAA.....   74
NTDB id 1112 NGFG RS09215 WP 003689811.1       ...........MAKNGGFSLFAKKEKRFI..FEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVKTS.....   62
NTDB id 1113 AAA85695.1 219..1451( )           ...........MAKNGGFSLFAKKEKRFI..FEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVKTS.....   62
consensus                                                                   *  *   * ** **!* *  **** !** * *  ***  !***** * ****** **

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1402 DSB67 RS12670 WP 010643257.1      ISHRVKGKDITIFTRQIATMLMTGVPIVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDLIA  139
NTDB id 1169 A1552VC RS11075 WP 000648511.1    LTHRVKSKDITILTRQLATMLTTGVPIVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDTLYVDLVE  140
NTDB id 1252 GC085 RS07730 WP 011213805.1      KNKKITQADITVFSRQLATMIESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTLAESLIKHPLYFNELFCNLVD  139
NTDB id 1198 PSJM300 03950 AFN76868.1          AGKKIKPMDIALFTRQMATMMKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNLVD  138
NTDB id 1016 ACIAD RS01680 WP 004920476.1      LKKKVKPLDIAIFTRQLATMMKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSLIE  141
NTDB id 1059 ABD1 RS01610 WP 000279215.1       FKKKVTTLDITIFTRQLATMMKAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDNLFCSLVE  141
NTDB id 997978 ABET67 RS03380 WP 014616068.1  RGKKITPKDVAYFTRQLSTMLKAGVPLLQSVDIIARGHANPNFTQLLTEIRVDIESGSSMAQAFRRHPKYFDSLYCNLID  154
NTDB id 1112 NGFG RS09215 WP 003689811.1       SKRKITQEDITVFTRQLSTMIKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVA  142
NTDB id 1113 AAA85695.1 219..1451( )           SKRKITQEDITVFTRQLSTMINAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVA  142
consensus                                       ****  !*****!!**!!***!*!**!********* ** ****** ** ****!**** **** * *!* ****!**

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1402 DSB67 RS12670 WP 010643257.1      TGEQSGNLSQVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPEFEKMFTGFGADLPAFTQMVLNLS  219
NTDB id 1169 A1552VC RS11075 WP 000648511.1    TGEMSGNLPEVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPEFESMFKGFGAELPWFTQQVLKLS  220
NTDB id 1252 GC085 RS07730 WP 011213805.1      AGEKSGSLDIMLDKVATYKEKIEIIKKKIKKALTYPIAVMVVALLVTAGLLIYVVPQFESLFKGFGADLPAMTRAVITMS  219
NTDB id 1198 PSJM300 03950 AFN76868.1          SGEQSGSLETLLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLS  218
NTDB id 1016 ACIAD RS01680 WP 004920476.1      SGEQSGSLEIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFTQLVVNMS  221
NTDB id 1059 ABD1 RS01610 WP 000279215.1       SGEQSGALETMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGADLPAFTQMVVNMS  221
NTDB id 997978 ABET67 RS03380 WP 014616068.1  AGEQGGILDALLERLSMYMEKSIALKAQIKSAMIYPISVLTVAFLVTVVLMIFVVPAFKNVFASFGATLPAPTLVVMNIS  234
NTDB id 1112 NGFG RS09215 WP 003689811.1       AGETGGVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPPLTQTVMDMS  222
NTDB id 1113 AAA85695.1 219..1451( )           AGETGGVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPALTQTVMDMS  222
consensus                                      *!!**! !* *******!*!!** ** ****!* !!**!**!!**** **** !*! ! **** *!!*!!**!**!* *!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1402 DSB67 RS12670 WP 010643257.1      AWTQNWGPFIGLSFVSLLISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAGIPILTALKTTSK  299
NTDB id 1169 A1552VC RS11075 WP 000648511.1    HWVQAYSLWAFIAIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLATSFAAGIPILASLKTTAK  300
NTDB id 1252 GC085 RS07730 WP 011213805.1      EFMQAYWYIIFGALGGVVYSFFYAKNHSLEFAQTIDRVMLKLPVIGPILEKAAIARFARTLSITFAAGLPLVEALKSVAG  299
NTDB id 1198 PSJM300 03950 AFN76868.1          EALQAWWYVVLAGFVGAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAGVPLVDALDSVAG  298
NTDB id 1016 ACIAD RS01680 WP 004920476.1      NWMQDYWFILILVIGAAIAGFLEARKRSKRFRDQLDRLVLRLPIVGDLVYKAIIARYSRTLATTFAAGVPLIDALASTAG  301
NTDB id 1059 ABD1 RS01610 WP 000279215.1       KWMQEYWFIMIIAIGAVIAAFLEAKKRSKKFRDGLDKLALKLPIFGDLVYKAIIARYSRTLATTFAAGVPLIDALESTAG  301
NTDB id 997978 ABET67 RS03380 WP 014616068.1  DFFVKWWYIIIFAPVVGIFLYARAFKRSLKVQRNTHKAILKMPIFGSIIRKATIARWTRTLATMFSAGTPLVESMESVAG  314
NTDB id 1112 NGFG RS09215 WP 003689811.1       DFFVSYGWMVLIALGFAIYGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAG  302
NTDB id 1113 AAA85695.1 219..1451( )           DFFVSYGWMVLIALGFAIYRFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAG  302
consensus                                      **** ***************  ** *! ***  *****!**!**!*** !***!***!!****!*!!*!*********
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logo
NTDB id 1402 DSB67 RS12670 WP 010643257.1      TSGNMHYQLAIEEVYRDTAAGMPMYIAMRHCHVFPELVLQMVMIGEESGRLDDMLNKIAAIYEFEVDNTVDNLSKILEPL   379
NTDB id 1169 A1552VC RS11075 WP 000648511.1    TSGNVHFETAINEVYRDTAAGMPMYIAMRNTEAFPEMVLQMVMIGEESGQLDDMLNKVATIYEFEVDNTVDNLGKILEPL   380
NTDB id 1252 GC085 RS07730 WP 011213805.1      ATGNIIYAKATDKIREEVATGQQMFIAMENTHLFPNMVIQMVAIGEESGALEKMLSKVADFYEEEVNNAVDALSSLLEPI   379
NTDB id 1198 PSJM300 03950 AFN76868.1          ATGNVVFRSATNKIKSDVSSGMQLNFSMRTTGTFPSMAVQMTAIGEESGALDEMLSKVATFYEDEVDNMVDGLTALMEPM   378
NTDB id 1016 ACIAD RS01680 WP 004920476.1      ATNNTVYEQAVLKIREDVSTGQQLNFAMRVSNRFPTMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPL   381
NTDB id 1059 ABD1 RS01610 WP 000279215.1       ATNNVIYEKAVMKIREDVATGQQLQFAMRISNRFPSMAIQMVAIGEESGALDSMLDKVATYYENEVDNAVDGLTSMMEPL   381
NTDB id 997978 ABET67 RS03380 WP 014616068.1   AAGNWVYHDATLEIQQSVRIGTSLTNAMQATHVFDNMVLQMTQIGEESGALDNMLLKVAEFYEREVDDAVANISALIEPI   394
NTDB id 1112 NGFG RS09215 WP 003689811.1       AAGNLIYEEATREIRTRVIQGLSMTSGMRATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGRLSAMMEPI   382
NTDB id 1113 AAA85695.1 219..1451( )           AAGNLIYEEATREIRTRVIQGLSMTSGMRATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGWLSAMMEPI   382
consensus                                      ***!**** !* *** **  !* *  *!* * *!* ***!!* !!!!!!*!**!! !*! *!! !!***!* ** **!!*
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logo
NTDB id 1402 DSB67 RS12670 WP 010643257.1      IIVFLGVVVGGLVTAMYLPIFNLMSVLG.   407
NTDB id 1169 A1552VC RS11075 WP 000648511.1    IIVFLGTVVGGLVVAMYLPIFNLMSVLG.   408
NTDB id 1252 GC085 RS07730 WP 011213805.1      IMSILGILVGGLVVAMYLPIFKLGSAV..   406
NTDB id 1198 PSJM300 03950 AFN76868.1          IMAVLGVLVGGLIIAMYLPIFQMGSVV..   405
NTDB id 1016 ACIAD RS01680 WP 004920476.1      IMAILGILVGGLVIAMYLPIFQMGSVV..   408
NTDB id 1059 ABD1 RS01610 WP 000279215.1       IMAILGVLVGGLVIAMYLPIFQMGSVV..   408
NTDB id 997978 ABET67 RS03380 WP 014616068.1   IIVILGVLIGGMVVAMYLPIFKLGQVV..   421
NTDB id 1112 NGFG RS09215 WP 003689811.1       IIVILGLVIGTLLVAMYLPLFNLGNVVA.   410
NTDB id 1113 AAA85695.1 219..1451( )           IILILGLVIGTLLVAMYLPLFNLGNVVA*   410
consensus                                      !***!!***!****!!!!!*!******
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X non conserved
X similar
X ≥ 50% conserved