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logo
NTDB id 1029 TT RS02230 WP 011228203.1        ....................MPVYQYKARDRQGR.LVEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRIPALE   59
NTDB id 1402 DSB67 RS12670 WP 010643257.1     ..............MKTIAPQLKNYRWKGINSSGK.KTSGNVLAMTEIEVRERLDAQHIKIKKLKKGSISFITK.....IS   61
NTDB id 1169 A1552VC RS11075 WP 000648511.1   ............MKATQTLPLKNYRWKGINSNGK.KVSGQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLLAR.....LT   62
NTDB id 1112 NGFG RS09215 WP 003689811.1      .......MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....T....SSK   64
NTDB id 1113 AAA85695.1 219..1451( )          .......MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....T....SSK   64
NTDB id 371398 FKL89 RS04535 WP 156861646.1   MATAAQTPARAARPTRPEVKASMYSWEGIDRAGK.KVRGEMRAASETVVANALRRQGIKVGKIKKQT...FK......GG   70
NTDB id 1252 GC085 RS07730 WP 011213805.1     .............MDKNSPPLLTFHYQGINKAGQ.KMEGDIQARSLAIAKADLRKQGIVTNKVVKKRKPLFDR.....KN   61
NTDB id 1198 PSJM300 03950 AFN76868.1         .............MAQKAIKNSVFTWEGLDRQGA.KIKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS......AG   60
NTDB id 1016 ACIAD RS01680 WP 004920476.1     ............MAAKKTQVMPVFAYEGVDRKGI.KLKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEG....LLK   63
NTDB id 1059 ABD1 RS01610 WP 000279215.1      ............MAVKKAQMMPTFAYEGVDRKGV.KIKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEG....LFK   63
consensus                                                   *  *  * ****** *  ** *** * ** ***  !***** * **** *  *
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logo
NTDB id 1029 TT RS02230 WP 011228203.1        RGPGLKDLAIFSRQLATMLGAGLTLLQALAILERQTENRKFREILKQVRTDVEGGMAFSEALSKHK.IFSRLYVNLVRAG   138
NTDB id 1402 DSB67 RS12670 WP 010643257.1     HRVKGKDITIFTRQIATMLMTGVPIVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDLIATG   141
NTDB id 1169 A1552VC RS11075 WP 000648511.1   HRVKSKDITILTRQLATMLTTGVPIVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDTLYVDLVETG   142
NTDB id 1112 NGFG RS09215 WP 003689811.1      RKITQEDITVFTRQLSTMIKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAG   144
NTDB id 1113 AAA85695.1 219..1451( )          RKITQEDITVFTRQLSTMINAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAG   144
NTDB id 371398 FKL89 RS04535 WP 156861646.1   GKISEKEIALFTRQLATMTRAGVPLLQAFDIAARSTGNNRLSRLLLEVKGDIETGNSLAASFKRHPMQFDELYCNLVGAG   150
NTDB id 1252 GC085 RS07730 WP 011213805.1     KKITQADITVFSRQLATMIESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTLAESLIKHPLYFNELFCNLVDAG   141
NTDB id 1198 PSJM300 03950 AFN76868.1         KKIKPMDIALFTRQMATMMKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNLVDSG   140
NTDB id 1016 ACIAD RS01680 WP 004920476.1     KKVKPLDIAIFTRQLATMMKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSLIESG   143
NTDB id 1059 ABD1 RS01610 WP 000279215.1      KKVTTLDITIFTRQLATMMKAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDNLFCSLVESG   143
consensus                                     ****  ******!!**!!***!****!****** *  ** ****** ** ****!***  ****** *!* ****!***!
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logo
NTDB id 1029 TT RS02230 WP 011228203.1        ETSGGLDLILDRLASFLEKELELRGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDL   218
NTDB id 1402 DSB67 RS12670 WP 010643257.1     EQSGNLSQVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPEFEKMFTGFGADLPAFTQMVLNLSAW   221
NTDB id 1169 A1552VC RS11075 WP 000648511.1   EMSGNLPEVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPEFESMFKGFGAELPWFTQQVLKLSHW   222
NTDB id 1112 NGFG RS09215 WP 003689811.1      ETGGVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPPLTQTVMDMSDF   224
NTDB id 1113 AAA85695.1 219..1451( )          ETGGVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPALTQTVMDMSDF   224
NTDB id 371398 FKL89 RS04535 WP 156861646.1   EQAGILDSILDRLAMYKEKILALKGKIKSALFYPAIVIVIATVVVAIIMWFVIPSFKQVFTSFGADLPWLTNVVVAMSDW   230
NTDB id 1252 GC085 RS07730 WP 011213805.1     EKSGSLDIMLDKVATYKEKIEIIKKKIKKALTYPIAVMVVALLVTAGLLIYVVPQFESLFKGFGADLPAMTRAVITMSEF   221
NTDB id 1198 PSJM300 03950 AFN76868.1         EQSGSLETLLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLSEA   220
NTDB id 1016 ACIAD RS01680 WP 004920476.1     EQSGSLEIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFTQLVVNMSNW   223
NTDB id 1059 ABD1 RS01610 WP 000279215.1      EQSGALETMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGADLPAFTQMVVNMSKW   223
consensus                                     !**! !******! **!!** ***!***!* !!* !***!********* **! ! ***  *!**!!**!**** *!**
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logo

NTDB id 1029 TT RS02230 WP 011228203.1        LRAATLPLLLLAVALFFAYRWY.YGTPQGRRVIDRLKLRLPVFGNLNRKTAVARFSRTLALLLSSGVNIVEALDITKGTA   297
NTDB id 1402 DSB67 RS12670 WP 010643257.1     TQNWGPFIGLSFVSLLISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAGIPILTALKTTSKTS   301
NTDB id 1169 A1552VC RS11075 WP 000648511.1   VQAYSLWAFIAIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLATSFAAGIPILASLKTTAKTS   302
NTDB id 1112 NGFG RS09215 WP 003689811.1      FVSYGWMVLIALGFAIYGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAA   304
NTDB id 1113 AAA85695.1 219..1451( )          FVSYGWMVLIALGFAIYRFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAA   304
NTDB id 371398 FKL89 RS04535 WP 156861646.1  FVKFWYVVVVIPVAAFMILAYLWKRVPAIKHTVDRMSLKLPVLGEILEKAAVARWTRTLATMFAAGVPLVDALTAVGGAS   310
NTDB id 1252 GC085 RS07730 WP 011213805.1    MQAYWYIIFGALGGVVYSFFYAKNHSLEFAQTIDRVMLKLPVIGPILEKAAIARFARTLSITFAAGLPLVEALKSVAGAT   301
NTDB id 1198 PSJM300 03950 AFN76868.1         LQAWWYVVLAGFVGAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAGVPLVDALDSVAGAT   300
NTDB id 1016 ACIAD RS01680 WP 004920476.1    MQDYWFILILVIGAAIAGFLEAFKRSKRFRDQLDRLVLRLPIVGDLVYKAIIARYSRTLATTFAAGVPLIDALASTAGAT   303
NTDB id 1059 ABD1 RS01610 WP 000279215.1     MQEYWFIMIIAIGAVIAAFLEAKKRSKKFRDGLDKLALKLPIFGDLVYKAIIARYSRTLATTFAAGVPLIDALESTAGAT   303
consensus                                    ** ****************  ** ** ***  *****!**!**!*** !* *!***!!*******!******!*******

logo

NTDB id 1029 TT RS02230 WP 011228203.1        GNSVVEEIVEAAKLKIQQGDPLNLTLAQHPFVFPPMVSSMVAIGEETGALDTMLSKVADFYEREVDEAVASLIAAIEPLM   377
NTDB id 1402 DSB67 RS12670 WP 010643257.1     GNMHYQLAIEEVYRDTAAGMPMYIAMR.HCHVFPELVLQMVMIGEESGRLDDMLNKIAAIYEFEVDNTVDNLSKILEPLI   380
NTDB id 1169 A1552VC RS11075 WP 000648511.1   GNVHFETAINEVYRDTAAGMPMYIAMR.NTEAFPEMVLQMVMIGEESGQLDDMLNKVATIYEFEVDNTVDNLGKILEPLI   381
NTDB id 1112 NGFG RS09215 WP 003689811.1      GNLIYEEATREIRTRVIQGLSMTSGMR.ATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGRLSAMMEPII   383
NTDB id 1113 AAA85695.1 219..1451( )          GNLIYEEATREIRTRVIQGLSMTSGMR.ATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGWLSAMMEPII   383
NTDB id 371398 FKL89 RS04535 WP 156861646.1  GNQVFLDATKRIQNNVSTGTALTVAME.DTGVFPNMALQMTRIGEETGALDSMLSKVADFYEREVDDAVSALSSLIEPIM   389
NTDB id 1252 GC085 RS07730 WP 011213805.1    GNIIYAKATDKIREEVATGQQMFIAME.NTHLFPNMVIQMVAIGEESGALEKMLSKVADFYEEEVNNAVDALSSLLEPII   380
NTDB id 1198 PSJM300 03950 AFN76868.1         GNVVFRSATNKIKSDVSSGMQLNFSMR.TTGTFPSMAVQMTAIGEESGALDEMLSKVATFYEDEVDNMVDGLTALMEPMI   379
NTDB id 1016 ACIAD RS01680 WP 004920476.1    NNTVYEQAVLKIREDVSTGQQLNFAMR.VSNRFPTMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPLI   382
NTDB id 1059 ABD1 RS01610 WP 000279215.1     NNVIYEKAVMKIREDVATGQQLQFAMR.ISNRFPSMAIQMVAIGEESGALDSMLDKVATYYENEVDNAVDGLTSMMEPLI   382
consensus                                    *!**** ** *** ** *!* * ****  * *!! ****!**!!!!*!*!**!! !*!**!! !!***!**!* **!!**

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logo

NTDB id 1029 TT RS02230 WP 011228203.1        IIFLGVIVGMIVAGMFLPLFKIIGTLSVQ   406
NTDB id 1402 DSB67 RS12670 WP 010643257.1     IVFLGVVVGGLVTAMYLPIFNLMSVLG..   407
NTDB id 1169 A1552VC RS11075 WP 000648511.1   IVFLGTVVGGLVVAMYLPIFNLMSVLG..   408
NTDB id 1112 NGFG RS09215 WP 003689811.1      IVILGLVIGTLLVAMYLPLFNLGNVVA..   410
NTDB id 1113 AAA85695.1 219..1451( )          ILILGLVIGTLLVAMYLPLFNLGNVVA*.   410
NTDB id 371398 FKL89 RS04535 WP 156861646.1  IVFLGVVIGTIVVAMYLPIFKLGQVV...   415
NTDB id 1252 GC085 RS07730 WP 011213805.1    MSILGILVGGLVVAMYLPIFKLGSAV...   406
NTDB id 1198 PSJM300 03950 AFN76868.1         MAVLGVLVGGLIIAMYLPIFQMGSVV...   405
NTDB id 1016 ACIAD RS01680 WP 004920476.1    MAILGILVGGLVIAMYLPIFQMGSVV...   408
NTDB id 1059 ABD1 RS01610 WP 000279215.1     MAILGVLVGGLVIAMYLPIFQMGSVV...   408
consensus                                    ***!!***!*****!*!!*!******
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X non conserved

X similar

X ≥ 50% conserved