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NTDB id 1029 TT RS02230 WP 011228203.1          .............MPVYQYKARDRQGR.LVEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRIPALERGPGLKD    66
NTDB id 1169 A1552VC RS11075 WP 000648511.1     MKA.....TQTLPLKNYRWKGINSNGK.KVSGQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLLAR.....LTHRVKSKD    69
NTDB id 1402 DSB67 RS12670 WP 010643257.1       .MK.....TIAPQLKNYRWKGINSSGK.KTSGNVLAMTEIEVRERLDAQHIKIKKLKKGSISFITK.....ISHRVKGKD    68
NTDB id 1113 AAA85695.1 219..1451( )            MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....T....SSKRKITQED    71
NTDB id 1112 NGFG RS09215 WP 003689811.1        MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....T....SSKRKITQED    71
NTDB id 1252 GCO85 RS07730 WP 011213805.1       .MD.....KNSPPLLTFHYQGINKAGQ.KMEGDIQARSLATAKADLRKQGIVTNKVVKKRKPLFDR.....KNKKITQAD    68
NTDB id 1198 PSJM300 03950 AFN76868.1           .MA.....QKAIKNSVFTWEGLDRQGA.KIKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS.....AGKKIKPMD    67
NTDB id 300332 DQF64 RS10435 WP 078273700.1     MAK.....VATEQLIDFKYSGTNRRGQ.NVKGELTAKSLELARAQLRKQGIVVQDVRQKSKPLFQ.....IKKSIKAID    68
NTDB id 1059 ABD1 RS01610 WP 000279215.1        MAV.....KKAQMMPTFAYEGVDRKGV.KIKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEG....LFKKKVTTLD    70
NTDB id 1016 ACIAD RS01680 WP 004920476.1       MAA.....KKTQVMPVFAYEGVDRKGI.KLKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEG....LLKKKVKPLD    70
consensus                                       **          *  *  * ****  * *  ** *** *  **  ***  !***** *  ****** *         ******  !
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NTDB id 1029 TT RS02230 WP 011228203.1          LAIFSRQLATMLGAGLTLLQALAILERQTENRKFREILKQVRTDVEGGMAFSEALSKH.KIFSRLYVNLVRAGETSGGLD   145
NTDB id 1169 A1552VC RS11075 WP 000648511.1     ITILTRQLATMLTTGVPIVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDTLYVDLVETGEMSGNLP   149
NTDB id 1402 DSB67 RS12670 WP 010643257.1       ITIFTRQIATMLMTGVPIVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDLIATGEQSGNLS   148
NTDB id 1113 AAA85695.1 219..1451( )            ITVFTRQLSTMINAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAGETGGVLE   151
NTDB id 1112 NGFG RS09215 WP 003689811.1        ITVFTRQLSTMIKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAGETGGVLE   151
NTDB id 1252 GCO85 RS07730 WP 011213805.1       ITVFSRQLATMIESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTLAESLIKHPLYFNELFCNLVDAGEKSGSLD   148
NTDB id 1198 PSJM300 03950 AFN76868.1           IALFTRQMATMMKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNLVDSGEQSGSLE   147
NTDB id 300332 DQF64 RS10435 WP 078273700.1     IAIFVRQLATMMKAGVPLTQAFEIVADSLDNPSMKEIVLKVKADIEAGSNFATALRKHPKYFDDLFCSLVESGEQSGALE   148
NTDB id 1059 ABD1 RS01610 WP 000279215.1        ITIFTRQLATMMKAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDNLFCSLVESGEQSGALE   150
NTDB id 1016 ACIAD RS01680 WP 004920476.1       IAIFTRQLATMMKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSLIESGEQSGSLE   150
consensus                                       *****!!**!!***!****!********* *** ****** ** ****!***  ****** *!* ****!***!!**!  !*
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NTDB id 1029 TT RS02230 WP 011228203.1          LILDRLASFLEKELELRGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDLLRAATLP   225
NTDB id 1169 A1552VC RS11075 WP 000648511.1     EVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPEFESMFKGFGAELPWFTQQVLKLSHWVQAYSLW   229
NTDB id 1402 DSB67 RS12670 WP 010643257.1       QVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPEFEKMFTGFGADLPAFTQMVLNLSAWTQNWGPF   228
NTDB id 1113 AAA85695.1 219..1451( )            SLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPALTQTVMDMSDFFVSYGWM   231
NTDB id 1112 NGFG RS09215 WP 003689811.1        SLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPPLTQTVMDMSDFFVSYGWM   231
NTDB id 1252 GCO85 RS07730 WP 011213805.1       IMLDKVATYKEKIEIIKKKIKKALTYPIAVMVVALLVTAGLLIYVVPQFESLFKGFGADLPAMTRAVITMSEFMQAYWYI   228
NTDB id 1198 PSJM300 03950 AFN76868.1           TLLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLSEALQAWWYV   227
NTDB id 300332 DQF64 RS10435 WP 078273700.1     TMLERVATYKEKSEMLKAKIKKAMKYPIAVIIVAIIVTAILLVKVVPVFADMFAGFGAELPAFTQMVVNMSNWMVKYYLV   228
NTDB id 1059 ABD1 RS01610 WP 000279215.1        TMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGADLPAFTQMVVNMSKWMQEYWFI   230
NTDB id 1016 ACIAD RS01680 WP 004920476.1       IMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFTQLVVNMSNWMQDYWFI   230
consensus                                       ******!***!!** ***!***!* !!* !***!************! ! **** *!**!!**!**** *!***** ****
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NTDB id 1029 TT RS02230 WP 011228203.1       LLLLAVALFFAYRW.YYGTPQGRRVIDRLKLRLPVFGNLNRKTAVARFSRTLALLLSSGVNIVEALDITKGTAGNSVVEE   304
NTDB id 1169 A1552VC RS11075 WP 000648511.1  AFIAIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLATSFAAGIPILASLKTTAKTSGNVHFET   309
NTDB id 1402 DSB67 RS12670 WP 010643257.1    IGLSFVSLLISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAGIPILTALKTTSKTSGNMHYQL   308
NTDB id 1113 AAA85695.1 219..1451( )         VLIALGFAIYRFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEE   311
NTDB id 1112 NGFG RS09215 WP 003689811.1     VLIALGFAIYGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEE   311
NTDB id 1252 GCO85 RS07730 WP 011213805.1    IFGALGGVVYSFFYAKNHSLEFAQTIDRVMLKLPVIGPILEKAAIARFARTLSITFAAGLPLVEALKSVAGATGNIIYAK   308
NTDB id 1198 PSJM300 03950 AFN76868.1        VLAGFVGAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAGVPLVDALDSVAGATGNVVFRS   307
NTDB id 300332 DQF64 RS10435 WP 078273700.1  FFIALAILVVSFTQAKLRSQKFRNFLDRLALKLPIFGNIVYQAIIARFCRTLSTTFAAGVPLIDALDSTAGATNNIVFYE   308
NTDB id 1059 ABD1 RS01610 WP 000279215.1     MIIAIGAVIAAFLEAKKRSKKFRDGLDKLALKLPIFGDLVYKAIIARYSRTLATTFAAGVPLIDALESTAGATNNVIYEK   310
NTDB id 1016 ACIAD RS01680 WP 004920476.1    LILVIGAAIAGFLEARKRSKRFRDQLDRLVLRLPIVGDLVYKAIIARYSRTLATTFAAGVPLIDALASTAGATNNTVYEQ   310
consensus                                    ************  **  **  ***   *****!**!**!***  **  *!***!!********!******!*********!****
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NTDB id 1029 TT RS02230 WP 011228203.1       IVEAAKLKIQQGDPLNLTLAQHPFVFPPMVSSMVAIGEETGALDTMLSKVADFYEREVDEAVASLTAAIEPLMIIFLGVI   384
NTDB id 1169 A1552VC RS11075 WP 000648511.1  AINEVYRDTAAGMPMYIAMR.NTEAFPEMVLQMVMIGEESGQLDDMLNKVATIYEFEVDNTVDNLGKILEPLIIVFLGTV   388
NTDB id 1402 DSB67 RS12670 WP 010643257.1    AIEEVYRDTAAGMPMYIAMR.HCHVFPELVLQMVMIGEESGRLDDMLNKIAAIYEFEVDNTVDNLSKILEPLIIVFLGVV   387
NTDB id 1113 AAA85695.1 219..1451( )         ATREIRTRVIQGLSMTSGMR.ATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGWLSAMMEPIIILILGLV   390
NTDB id 1112 NGFG RS09215 WP 003689811.1     ATREIRTRVIQGLSMTSGMR.ATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGRLSAMMEPIIIVILGLV   390
NTDB id 1252 GCO85 RS07730 WP 011213805.1    ATDKIREEVATGQQMFIAME.NTHLFPNMVTQMVAIGEESGALEKMLSKVADFYEEEVNNAVDALSSLLEPIIMSILGIL   387
NTDB id 1198 PSJM300 03950 AFN76868.1        ATNKIKSDVSSGMQLNFSMR.TTGTFPSMAVQMTAIGEESGALDEMLSKVATFYEDEVDNMVDGLTALMEPMIMAVLGVL   386
NTDB id 300332 DQF64 RS10435 WP 078273700.1  ATQRVKEDVATGQQMQFAMR.NTNLFPSMVLQMVGIGEEAGSLEEMLDKAATFYENEVDNAVDGLTSLMEPMIMAFLGVV   387
NTDB id 1059 ABD1 RS01610 WP 000279215.1     AVMKIREDVATGQQLQFAMR.ISNRFPSMAIQMVAIGEESGALDSMLDKVATYYENEVDNAVDGLTSMMEPLIMAILGVL   389
NTDB id 1016 ACIAD RS01680 WP 004920476.1    AVLKIREDVSTGQQLNFAMR.VSNRFPTMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPLIMAILGIL   389
consensus                                    **  ***  ****!****  ***   *  *!!  ****!**!!!!*!*!**!!  !*!  *!!  !!***!**!*  **!!*****!!**
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NTDB id 1029 TT RS02230 WP 011228203.1       VGMIVAGMFLPLFKIIGTLSVQ   406
NTDB id 1169 A1552VC RS11075 WP 000648511.1  VGGLVVAMYLPIFNLMSVLG..   408
NTDB id 1402 DSB67 RS12670 WP 010643257.1    VGGLVTAMYLPIFNLMSVLG..   407
NTDB id 1113 AAA85695.1 219..1451( )         IGTLLVAMYLPLFNLGNVVA*.   410
NTDB id 1112 NGFG RS09215 WP 003689811.1     IGTLLVAMYLPLFNLGNVVA..   410
NTDB id 1252 GCO85 RS07730 WP 011213805.1    VGGLVVAMYLPIFKLGSAV...   406
NTDB id 1198 PSJM300 03950 AFN76868.1        VGGLIIAMYLPIFQMGSVV...   405
NTDB id 300332 DQF64 RS10435 WP 078273700.1  IGGLVIAMYLPIFMMGDVIG..   407
NTDB id 1059 ABD1 RS01610 WP 000279215.1     VGGLVIAMYLPIFQMGSVV...   408
NTDB id 1016 ACIAD RS01680 WP 004920476.1    VGGLVIAMYLPIFQMGSVV...   408
consensus                                    *!******!*!!*!*******
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X non conserved
X similar
X ≥ 50% conserved