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NTDB id 1029 TT RS02230 WP 011228203.1                .....................MPVYQYKARDRQGRL.VEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRI     55
NTDB id 1169 A1552VC RS11075 WP 000648511.1           ...........MKATQTLPLKNYRWKGINSNGKK.VSGQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLLAR...     60
NTDB id 1402 DSB67 RS12670 WP 010643257.1             ...........MKTIAPQLKNYRWKGINSSGKK.TSGNVLAMTEIEVRERLDAQHIKIKKLKKGSISFITK...     59
NTDB id 1112 NGFG RS09215 WP 003689811.1              ......MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....T...     61
NTDB id 1113 AAA85695.1 219..1451( )                  ......MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....T...     61
NTDB id 227704 XcfCFBP4885P RS06955 WP 007973903.1    MSVARSSIKKQPVDRNVSEMIPFVWEGTDKRGVK.MKGEQQARNANMLRAELRRQGITPTVVKTKPKPLFGA...     71
NTDB id 1252 GCO85 RS07730 WP 011213805.1             ...........MDKNSPPLLTFHYQGINKAGQK.MEGDIQARSLAIAKADLRKQGIVTNKVVKKRKPLFDR...     59
NTDB id 1198 PSJM300 03950 AFN76868.1                 ...........MAQKAIKNSVFTWEGLDRQGAK.IKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS....     58
NTDB id 1016 ACIAD RS01680 WP 004920476.1             ...........MAAKKTQVMPVFAYEGVDRKGIK.LKGELPARNMALAKVTLRKQGITTRTIREKRKNIFEG...     60
NTDB id 1059 ABD1 RS01610 WP 000279215.1              ...........MAVKKAQMMPTFAYEGVDRKGVK.IKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEG...     60
consensus                                                          *  *  * *******  * * * *** * *  ***  !***** *  ****** *
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NTDB id 1029 TT RS02230 WP 011228203.1                PALERGPGLKDLAIFSRQLATMLGAGLTLLQALAILERQTENRKFREILKQVRTDVEGGMAFSEALSKHK.IFSR    129
NTDB id 1169 A1552VC RS11075 WP 000648511.1           ..LTHRVKSKDITILTRQLATMLTTGVPIVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDT    133
NTDB id 1402 DSB67 RS12670 WP 010643257.1             ..ISHRVKGKDITIFTRQIATMLMTGVPIVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDP    132
NTDB id 1112 NGFG RS09215 WP 003689811.1              .SSKRKITQEDITVFTRQLSTMIKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDR    135
NTDB id 1113 AAA85695.1 219..1451( )                  .SSKRKITQEDITVFTRQLSTMINAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDR    135
NTDB id 227704 XcfCFBP4885P RS06955 WP 007973903.1    ..AGKKISPKDIAFFSRQMATMMKSGVPIVGALEIIGEGHKNPRMKKMVGQIRADIEGGSSLYEAISRHPVQFDD    144
NTDB id 1252 GCO85 RS07730 WP 011213805.1             ..KNKKITQADITVFSRQLATMIESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTLAESLIKHPLYFNE    132
NTDB id 1198 PSJM300 03950 AFN76868.1                 ..AGKKIKPMDIALFTRQMATMMKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDD    131
NTDB id 1016 ACIAD RS01680 WP 004920476.1             .LLKKKVKPLDIAIFTRQLATMMKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDN    134
NTDB id 1059 ABD1 RS01610 WP 000279215.1              .LFKKKVTTLDITIFTRQLATMMKAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDN    134
consensus                                                  ****  !*****!!**!!***!**************** ** ****** ** ****!**** ****** *!*
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NTDB id 1029 TT RS02230 WP 011228203.1                LYVNLVRAGETSGGLDLILDRLASFLEKELELRGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSE    204
NTDB id 1169 A1552VC RS11075 WP 000648511.1           LYVDLVETGEMSGNLPEVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPEFESMFKGFGAE    208
NTDB id 1402 DSB67 RS12670 WP 010643257.1             LYTDLIATGEQSGNLSQVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPEFEKMFTGFGAD    207
NTDB id 1112 NGFG RS09215 WP 003689811.1              FYCNLVAAGETGGVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAE    210
NTDB id 1113 AAA85695.1 219..1451( )                  FYCNLVAAGETGGVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAE    210
NTDB id 227704 XcfCFBP4885P RS06955 WP 007973903.1    LYRNLVRAGEGAGVLETVLDTVANYKENIEALKGKIKKALFYPAMVMAVAIIVSGILLVFVVPQFEDVFKGFGAE    219
NTDB id 1252 GCO85 RS07730 WP 011213805.1             LFCNLVDAGEKSGSLDIMLDKVATYKEKIEIIKKKIKKALTYPIAVMVVALLVTAGLLIYVVPQFESLFKGFGAD    207
NTDB id 1198 PSJM300 03950 AFN76868.1                 LYCNLVDSGEQSGSLETLLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAE    206
NTDB id 1016 ACIAD RS01680 WP 004920476.1             LFCSLIESGEQSGSLEIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGAD    209
NTDB id 1059 ABD1 RS01610 WP 000279215.1              LFCSLVESGEQSGALETMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGAD    209
consensus                                             ****!***!! *! !*******!***!*** ***!***!* !!* !***!********** **! ! ***  *!**
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NTDB id 1029 TT RS02230 WP 011228203.1                LPLLTRFLIAVSDLLRAATLPLLLLAVALFFAYRW.YYGTPQGRRVIDRLKLRLPVFGNLNRKTAVARFSRTLAL   278
NTDB id 1169 A1552VC RS11075 WP 000648511.1           LPWFTQQVLKLSHWVQAYSLWAFIAIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLAT   283
NTDB id 1402 DSB67 RS12670 WP 010643257.1             LPAFTQMVLNLSAWTQNWGPFIGLSFVSLLISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLAT   282
NTDB id 1112 NGFG RS09215 WP 003689811.1              LPPLTQTVMDMSDFFVSYGWMVLIALGFAIYGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTAT   285
NTDB id 1113 AAA85695.1 219..1451( )                  LPALTQTVMDMSDFFVSYGWMVLIALGFAIYRFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTAT   285
NTDB id 227704 XcfCFBP4885P RS06955 WP 007973903.1    LPAFTQMIVAASRFMVSYWWFMLLASVAAIAGFIFAYKRSPRMRHGMDRLVLKFPVIGQIMHNSSIARFARTTAV   294
NTDB id 1252 GCO85 RS07730 WP 011213805.1             LPAMTRAVITMSEFMQAYWYIIFGALGGVVYSFFYAKNHSLEFAQTIDRVMLKLPVIGPILEKAAIARFARTLSI   282
NTDB id 1198 PSJM300 03950 AFN76868.1                 LPAFTLMVIGLSEALQAWWYVVLAGFVGAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLST   281
NTDB id 1016 ACIAD RS01680 WP 004920476.1             LPAFTQLVVNMSNWMQDYWFILILVIGAAIAGFLEARKRSKRFRDQLDRLVLRLPIVGDLVYKAIIARYSRTLAT   284
NTDB id 1059 ABD1 RS01610 WP 000279215.1              LPAFTQMVVNMSKWMQEYWFIMIIAIGAVIAAFLEAKKRSKKFRDGLDKLALKLPIFGDLVYKAIIARYSRTLAT   284
consensus                                             !!**!****  *!****  ********************  **  **  ***   *****!**!**!***  ****!***!!***
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NTDB id 1029 TT RS02230 WP 011228203.1                LLSSGVNIVEALDITKGTAGNSVVEEIVEAAKLKIQQGDPLNLTLAQHPFVFPPMVSSMVAIGEETGALDTMLSK   353
NTDB id 1169 A1552VC RS11075 WP 000648511.1           SFAAGIPILASLKTTAKTSGNVHFETAINEVYRDTAAGMPMYIAMR.NTEAFPEMVLQMVMIGEESGQLDDMLNK   357
NTDB id 1402 DSB67 RS12670 WP 010643257.1             SFSAGIPILTALKTTSKTSGNMHYQLAIEEVYRDTAAGMPMYIAMR.HCHVFPELVLQMVMIGEESGRLDDMLNK   356
NTDB id 1112 NGFG RS09215 WP 003689811.1              LFAAGVPLVDVLDSTAGAAGNLIYEEATREIRTRVIQGLSMTSGMR.ATELFPNMMLQMSSIGEESGSLDDMLNK   359
NTDB id 1113 AAA85695.1 219..1451( )                  LFAAGVPLVDVLDSTAGAAGNLIYEEATREIRTRVIQGLSMTSGMR.ATELFPNMMLQMSSIGEESGSLDDMLNK   359
NTDB id 227704 XcfCFBP4885P RS06955 WP 007973903.1    TFKAGVPLVEALSIVAGATGNKVYEEAVLRMRDDVSVGYPVNMAMK.QVNLFPHMVIQMTSIGEEAGALDAMLFK   368
NTDB id 1252 GCO85 RS07730 WP 011213805.1             TFAAGLPLVEALKSVAGATGNIIYAKATDKIREEVATGQQMFIAME.NTHLFPNMVIQMVAIGEESGALEKMLSK   356
NTDB id 1198 PSJM300 03950 AFN76868.1                 TFAAGVPLVDALDSVAGATGNVVFRSATNKIKSDVSSGMQLNFSMR.TTGTFPSMAVQMTAIGEESGALDEMLSK   355
NTDB id 1016 ACIAD RS01680 WP 004920476.1             TFAAGVPLIDALASTAGATNNTVYEQAVLKIREDVSTGQQLNFAMR.VSNRFPTMAIQMVAIGEESGALDEMLDK   358
NTDB id 1059 ABD1 RS01610 WP 000279215.1              TFAAGVPLIDALESTAGATNNVIYEKAVMKIREDVATGQQLQFAMR.ISNRFPSMAIQMVAIGEESGALDSMLDK   358
consensus                                             ****!******!*********!****  **  ***  **   !* ******   * *!!  ****!**!!!!*!*!*!*!! !
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NTDB id 1029 TT RS02230 WP 011228203.1                VADFYEREVDEAVASLTAAIEPLMIIFLGVIVGMIVAGMFLPLFKIIGTLSVQ   406
NTDB id 1169 A1552VC RS11075 WP 000648511.1           VATIYEFEVDNTVDNLGKILEPLIIVFLGTVVGGLVVAMYLPIFNLMSVLG..   408
NTDB id 1402 DSB67 RS12670 WP 010643257.1             IAAIYEFEVDNTVDNLSKILEPLIIVFLGVVVGGLVTAMYLPIFNLMSVLG..   407
NTDB id 1112 NGFG RS09215 WP 003689811.1              AAEFYEDEVDNAVGRLSAMMEPIIIVILGLVIGTLLVAMYLPLFNLGNVVA..   410
NTDB id 1113 AAA85695.1 219..1451( )                  AAEFYEDEVDNAVGWLSAMMEPIIILILGLVIGTLLVAMYLPLFNLGNVVA*.   410
NTDB id 227704 XcfCFBP4885P RS06955 WP 007973903.1    VAEYFEQEVNNAVDALSSLLEPLIMVFIGTIVGGMVIGMYLPIFKLGSVV...   418
NTDB id 1252 GCO85 RS07730 WP 011213805.1             VADFYEEEVNNAVDALSSLLEPIIMSILGILVGGLVVAMYLPIFKLGSAV...   406
NTDB id 1198 PSJM300 03950 AFN76868.1                 VATFYEDEVDNMVDGLTALMEPMIMAVLGVLVGGLIIAMYLPIFQMGSVV...   405
NTDB id 1016 ACIAD RS01680 WP 004920476.1             VANYYESEVDHAVDGLTSMMEPLIMAILGILVGGLVIAMYLPIFQMGSVV...   408
NTDB id 1059 ABD1 RS01610 WP 000279215.1              VATYYENEVDNAVDGLTSMMEPLIMAILGVLVGGLVIAMYLPIFQMGSVV...   408
consensus                                             *!***!  !!***!**!*  **!!******!***!*****!*!!*!******
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X non conserved
X similar
X ≥ 50% conserved