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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
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                ......MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRV.....KT...    61
NTDB id 1113 AAA85695.1 219..1451( )                    ......MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRV.....KT...    61
NTDB id 237731 XcvCFBP7111P RS07065 WP 033836749.1     MSVARNVIKKQPADRSNSQMQPFVWEGTDKRGIK.MKGEQAARNVNMLRAELRRQGITPTVVKPKPKPLFGA...    71
NTDB id 1252 GC085 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.LKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEG...    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 237731 XcvCFBP7111P RS07065 WP 033836749.1     ..AGKKVGPKDIAFFSRQMATMMKSGVPIVGSLEIIGEGHKNPRMRKMVGQIRTDIEGGSSLHEAISKHPVQFDE   144
NTDB id 1252 GC085 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 237731 XcvCFBP7111P RS07065 WP 033836749.1     LYRNLVRAGEGAGVLETVLDTVANYKENIEALKGKIKKALFYPAMVVAVALIVSAILLIFVVPQFEEVFKGFGAE   219
NTDB id 1252 GC085 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 237731 XcvCFBP7111P RS07065 WP 033836749.1   LPAFTQMIVAASRFMISYWWLMLLVIGGAITGFIFAYKRSPRMQHGMDRLVLKVPVIGQIMHNSSIARFARTTAV   294
NTDB id 1252 GC085 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 237731 XcvCFBP7111P RS07065 WP 033836749.1   TFKAGVPLVEALGIVAGATGNKVYEEAVLRMRDDVSVGYPVNMAMK.QVNLFPHMVIQMTAIGEEAGALDAMLFK   368
NTDB id 1252 GC085 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 237731 XcvCFBP7111P RS07065 WP 033836749.1   VAEYFEQEVNNAVDALSSLLEPMIMVFIGTIVGGMVIGMYLPIFKLGAVVG..   419
NTDB id 1252 GC085 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