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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1169 A1552VC RS11075 WP 000648511.1          ..........MKATQTLPLKNYRWKGINSNGKK.VSGQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLLAR.LTH   63
NTDB id 1402 DSB67 RS12670 WP 010643257.1            ...........MKTIAPQLKNYRWKGINSSGKK.TSGNVLAMTEIEVRERLDAQHIKIKKLKKGSISFITK.ISH   62
NTDB id 1112 NGFG RS09215 WP 003689811.1             MAK.....NGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....TSSKR   65
NTDB id 1113 AAA85695.1 219..1451( )                 MAK.....NGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVK.....TSSKR   65
NTDB id 237771 XcvCFBP7113P RS16485 WP 040107659.1  MSAARSVVKTKTAASAEQMSPFVWEGTDKRGVK.MKGEQTARNANLLRAELRRQGITPLVVKVKPKPLFGA.AGK   73
NTDB id 1252 GC085 RS07730 WP 011213805.1           ...........MDKNSPPLLTFHYQGINKAGQK.MEGDIQARSLAIAKADLRKQGIVTNKVVKKRKPLFDR.KNK   62
NTDB id 1198 PSJM300 03950 AFN76868.1                ...........MAQKAIKNSVFTWEGLDRQGAK.IKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS..AGK   61
NTDB id 1016 ACIAD RS01680 WP 004920476.1           ..........MAAKKTQVMPVFAYEGVDRKGIK.LKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGLLKK   64
NTDB id 1059 ABD1 RS01610 WP 000279215.1            ..........MAVKKAQMMPTFAYEGVDRKGVK.IKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGLFKK   64
consensus                                                                  *  *  * **!* * * ! * !** * *  ***  !*****    *****  *      *

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NTDB id 1169 A1552VC RS11075 WP 000648511.1          RVKSKDITILTRQLATMLTTGVPIVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDTLYVDL  138
NTDB id 1402 DSB67 RS12670 WP 010643257.1            RVKGKDITIFTRQIATMLMTGVPIVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDL  137
NTDB id 1112 NGFG RS09215 WP 003689811.1             KITQEDITVFTRQLSTMIKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNL  140
NTDB id 1113 AAA85695.1 219..1451( )                 KITQEDITVFTRQLSTMINAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNL  140
NTDB id 237771 XcvCFBP7113P RS16485 WP 040107659.1  KVSAKDISFFSRQMATMMKSGVPIVGALEIIGSGQKNPRMRTMVGQIRTDIEGGASLYEAVSKHPVQFDELYRNL  148
NTDB id 1252 GC085 RS07730 WP 011213805.1           KITQADITVFSRQLATMIESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTLAESLIKHPLYFNELFCNL  137
NTDB id 1198 PSJM300 03950 AFN76868.1                KIKPMDIALFTRQMATMMKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNL  136
NTDB id 1016 ACIAD RS01680 WP 004920476.1           KVKPLDIAIFTRQLATMMKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSL  139
NTDB id 1059 ABD1 RS01610 WP 000279215.1            KVTTLDITIFTRQLATMMKAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDNLFCSL  139
consensus                                           ***  !!****!!**!!***!*!**********  ** ****** ** ****!***  **** * *!* ****!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1169 A1552VC RS11075 WP 000648511.1          VETGEMSGNLPEVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPEFESMFKGFGAELPWFT  213
NTDB id 1402 DSB67 RS12670 WP 010643257.1            IATGEQSGNLSQVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPEFEKMFTGFGADLPAFT  212
NTDB id 1112 NGFG RS09215 WP 003689811.1             VAAGETGGVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPPLT  215
NTDB id 1113 AAA85695.1 219..1451( )                 VAAGETGGVLESLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPALT  215
NTDB id 237771 XcvCFBP7113P RS16485 WP 040107659.1  VKAGEGAGVLETVLDTVATYKENLEALKGKIKKALFYPAMVMAVAMLVSAILLVWVVPQFEDVFKGFGAELPAFT  223
NTDB id 1252 GC085 RS07730 WP 011213805.1           VDAGEKSGSLDIMLDKVATYKEKIEIIKKKIKKALTYPIAVMVVALLVTAGLLIYVVPQFESLFKGFGADLPAMT  212
NTDB id 1198 PSJM300 03950 AFN76868.1                VDSGEQSGSLETLLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFT  211
NTDB id 1016 ACIAD RS01680 WP 004920476.1           IESGEQSGSLEIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFT  214
NTDB id 1059 ABD1 RS01610 WP 000279215.1            VESGEQSGALETMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGADLPAFT  214
consensus                                           ***!! *! !*******!*!*!*** ** !***!* !!  !**!!**** **** !*! ! ***  *!!*!!**!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1169 A1552VC RS11075 WP 000648511.1          QQVLKLSHWVQAYSLWAFIAIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLATSFAAG  288
NTDB id 1402 DSB67 RS12670 WP 010643257.1            QMVLNLSAWTQNWGPFIGLSFVSLLISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAG  287
NTDB id 1112 NGFG RS09215 WP 003689811.1             QTVMDMSDFFVSYGWMVLIALGFAIYGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAG  290
NTDB id 1113 AAA85695.1 219..1451( )                 QTVMDMSDFFVSYGWMVLIALGFAIYRFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAG  290
NTDB id 237771 XcvCFBP7113P RS16485 WP 040107659.1  QMIVNLSRFMVSWWWLMLFALVGAAIGSVFAYKRSPAMQHGMDRLVLKVPIIGQIMHNSSIARFARTTAVTFKAG  298
NTDB id 1252 GC085 RS07730 WP 011213805.1           RAVITMSEFMQAYWYIIFGALGGVVYSFFYAKNHSLEFAQTIDRVMLKLPVIGPILEKAAIARFARTLSITFAAG  287
NTDB id 1198 PSJM300 03950 AFN76868.1                LMVIGLSEALQAWWYVVLAGFVGAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAG  286
NTDB id 1016 ACIAD RS01680 WP 004920476.1           QLVVNMSNWMQDYWFILILVIGAAIAGFLEARKRSKRFRDQLDRLVLRLPIVGDLVYKAIIARYSRTLATTFAAG  289
NTDB id 1059 ABD1 RS01610 WP 000279215.1            QMVVNMSKWMQEYWFIMIIAIGAVIAAFLEAKKRSKKFRDGLDKLALKLPIFGDLVYKAIIARYSRTLATTFAAG  289
consensus                                           **** *! *** ****************** ** *! ***  ****!**!**!*** ***!***!!****!*!!
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NTDB id 1169 A1552VC RS11075 WP 000648511.1          IPILASLKTTAKTSGNVHFETAINEVYRDTAAGMPMYIAMRNTEAFPEMVLQMVMIGEESGQLDDMLNKVATIYE   363
NTDB id 1402 DSB67 RS12670 WP 010643257.1            IPILTALKTTSKTSGNMHYQLAIEEVYRDTAAGMPMYIAMRHCHVFPELVLQMVMIGEESGRLDDMLNKIAAIYE   362
NTDB id 1112 NGFG RS09215 WP 003689811.1             VPLVDVLDSTAGAAGNLIYEEATREIRTRVIQGLSMTSGMRATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYE   365
NTDB id 1113 AAA85695.1 219..1451( )                 VPLVDVLDSTAGAAGNLIYEEATREIRTRVIQGLSMTSGMRATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYE   365
NTDB id 237771 XcvCFBP7113P RS16485 WP 040107659.1  VPLVEALGIVAGATGNSVYEKAVLRMREDVSVGYPVNVAMKQVNLFPHMVVQMTAIGEEAGALDAMLFKVAEYFE   373
NTDB id 1252 GCO85 RS07730 WP 011213805.1           LPLVEALKSVAGATGNIIYAKATDKIREEVATGQQMFIAMENTHLFPNMVIQMVAIGEESGALEKMLSKVADFYE   362
NTDB id 1198 PSJM300 03950 AFN76868.1                VPLVDALDSVAGATGNVVFRSATNKIKSDVSSGMQLNFSMRTTGTFPSMAVQMTAIGEESGALDEMLSKVATFYE   361
NTDB id 1016 ACIAD RS01680 WP 004920476.1           VPLIDALASTAGATNNTVYEQAVLKIREDVSTGQQLNFAMRVSNRFPTMAIQMVAIGEESGALDEMLDKVANYYE   364
NTDB id 1059 ABD1 RS01610 WP 000279215.1             VPLIDALESTAGATNNVIYEKAVMKIREDVATGQQLQFAMRISNRFPSMAIQMVAIGEESGALDSMLDKVATYYE   364
consensus                                            *!****! *******!**** !* *** **  !* *  *!* * *!! ***!!**!!!!*!*!**!! !*! **!
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NTDB id 1169 A1552VC RS11075 WP 000648511.1          FEVDNTVDNLGKILEPLIIVFLGTVVGGLVVAMYLPIFNLMSVLG.   408
NTDB id 1402 DSB67 RS12670 WP 010643257.1            FEVDNTVDNLSKILEPLIIVFLGVVVGGLVTAMYLPIFNLMSVLG.   407
NTDB id 1112 NGFG RS09215 WP 003689811.1             DEVDNAVGRLSAMMEPIIIVILGLVIGTLLVAMYLPLFNLGNVVA.   410
NTDB id 1113 AAA85695.1 219..1451( )                 DEVDNAVGWLSAMMEPIIILILGLVIGTLLVAMYLPLFNLGNVVA*   410
NTDB id 237771 XcvCFBP7113P RS16485 WP 040107659.1  QEVNNAVDALSSLIEPLIMVFIGTIVGGMVIGMYLPIFKLASVVG.   418
NTDB id 1252 GCO85 RS07730 WP 011213805.1           EEVNNAVDALSSLLEPIIMSILGILVGGLVVAMYLPIFKLGSAV..   406
NTDB id 1198 PSJM300 03950 AFN76868.1                DEVDNMVDGLTALMEPMIMAVLGVLVGGLIIAMYLPIFQMGSVV..   405
NTDB id 1016 ACIAD RS01680 WP 004920476.1           SEVDHAVDGLTSMMEPLIMAILGILVGGLVIAMYLPIFQMGSVV..   408
NTDB id 1059 ABD1 RS01610 WP 000279215.1             NEVDNAVDGLTSMMEPLIMAILGVLVGGLVIAMYLPIFQMGSVV..   408
consensus                                             !!***!**!* **!!*!****!***!*****!!!!*!******
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X non conserved
X similar
X $\geq$ 50% conserved