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logo
NTDB id 1113 AAA85695.1 219..1451( )      ....MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVKTS.....SKRKITQED   71
NTDB id 1112 NGFG RS09215 WP 003689811.1  ....MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVKTS.....SKRKITQED   71
NTDB id 1169 A1552VC RS11075 WP 000648511.1 ....MKAT.....QTLPLKNYRWKGINSNG.KKVSGQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLLAR.LTHRVKSKD   69
NTDB id 1402 DSB67 RS12670 WP 010643257.1 .....MKT.....IAPQLKNYRWKGINSSG.KKTSGNVLAMTEIEVRERLDAQHIKIKKLKKGSISFITK.ISHRVKGKD   68
NTDB id 1252 GC085 RS07730 WP 011213805.1 .....MDK.....NSPPLLTFHYQGINKAG.QKMEGDIQARSLAIAKADLRKQGIVTNKVVKKRKPLFDR.KNKKITQAD   68
NTDB id 360089 E2P79 RS16445 WP 050666599.1 MATLAQKN.....KSPKISAFRWSGVNRKG.QKVSGEMQADSVNTVKAELRKQGVTVSKVSKKSQGLFSK.GAAKINTMD   73
NTDB id 1198 PSJM300 03950 AFN76868.1 .....MAQ.....KAIKNSVFTWEGLDRQG.AKIKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS..AGKKIKPMD   67
NTDB id 1059 ABD1 RS01610 WP 000279215.1 ....MAVK.....KAQMMPTFAYEGVDRKG.VKIKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGLFKKKVTTLD   70
NTDB id 1016 ACIAD RS01680 WP 004920476.1 ....MAAK.....KTQVMPVFAYEGVDRKG.IKLKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGLLKKKVKPLD   70
consensus                                  *         *  *  * **!* * *  ** !** * *   **  !***** * ****** **      ***   !

logo
NTDB id 1113 AAA85695.1 219..1451( )      ITVFTRQLSTMINAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAGETGGVLE  151
NTDB id 1112 NGFG RS09215 WP 003689811.1  ITVFTRQLSTMIKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAGETGGVLE  151
NTDB id 1169 A1552VC RS11075 WP 000648511.1 ITILTRQLATMLTTGVPIVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDTLYVDLVETGEMSGNLP  149
NTDB id 1402 DSB67 RS12670 WP 010643257.1 ITIFTRQIATMLMTGVPIVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDLIATGEQSGNLS  148
NTDB id 1252 GC085 RS07730 WP 011213805.1 ITVFSRQLATMIESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTLAESLIKHPLYFNELFCNLVDAGEKSGSLD  148
NTDB id 360089 E2P79 RS16445 WP 050666599.1 IAVITRQITTMLSAGVPLVQTLQVIARSHEKATMRELVGEIAANVETGTPLSEALRQHPRQFDQLYCDLVEAGEQSGALE  153
NTDB id 1198 PSJM300 03950 AFN76868.1 IALFTRQMATMMKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNLVDSGEQSGSLE  147
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 1113 AAA85695.1 219..1451( )      SLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPALTQTVMDMSDFFVSYGWM  231
NTDB id 1112 NGFG RS09215 WP 003689811.1  SLLDKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPPLTQTVMDMSDFFVSYGWM  231
NTDB id 1169 A1552VC RS11075 WP 000648511.1 EVFERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPEFESMFKGFGAELPWFTQQVLKLSHWVQAYSLW  229
NTDB id 1402 DSB67 RS12670 WP 010643257.1 QVFERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPEFEKMFTGFGADLPAFTQMVLNLSAWTQNWGPF  228
NTDB id 1252 GC085 RS07730 WP 011213805.1 IMLDKVATYKEKIEIIKKKIKKALTYPIAVMVVALLVTAGLLIYVVPQFESLFKGFGADLPAMTRAVITMSEFMQAYWYI  228
NTDB id 360089 E2P79 RS16445 WP 050666599.1 TIFDRIATYREKTEALKSKIKKAMFYPTMVIIVAIVVTSILLLFVIPQFEDIFKSFGAELPAFTQFVIGISRFMQDWWYV  233
NTDB id 1198 PSJM300 03950 AFN76868.1 TLLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLSEALQAWWYV  227
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 1113 AAA85695.1 219..1451( )      VLIALGFAIYRFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEE  311
NTDB id 1112 NGFG RS09215 WP 003689811.1  VLIALGFAIYGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEE  311
NTDB id 1169 A1552VC RS11075 WP 000648511.1 AFIAIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLATSFAAGIPILASLKTTAKTSGNVHFET  309
NTDB id 1402 DSB67 RS12670 WP 010643257.1 IGLSFVSLLISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAGIPILTALKTTSKTSGNMHYQL  308
NTDB id 1252 GC085 RS07730 WP 011213805.1 IFGALGGVVYSFFYAKNHSLEFAQTIDRVMLKLPVIGPILEKAAIARFARTLSITFAAGLPLVEALKSVAGATGNIIYAK  308
NTDB id 360089 E2P79 RS16445 WP 050666599.1 FFGGTALVIFLYVRAWRASEKVRDRTDKFVLELPVVGMILHKAAMARFARTLATTFAAGIPLVDALISSAGASGNYVYRT  313
NTDB id 1198 PSJM300 03950 AFN76868.1 VLAGFVGAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAGVPLVDALDSVAGATGNVVFRS  307
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 1113 AAA85695.1 219..1451( )          ATREIRTRVIQGLSMTSGMRATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGWLSAMMEPIIILILGLVI   391
NTDB id 1112 NGFG RS09215 WP 003689811.1      ATREIRTRVIQGLSMTSGMRATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGRLSAMMEPIIIVILGLVI   391
NTDB id 1169 A1552VC RS11075 WP 000648511.1   AINEVYRDTAAGMPMYIAMRNTEAFPEMVLQMVMIGEESGQLDDMLNKVATIYEFEVDNTVDNLGKILEPLIIVFLGTVV   389
NTDB id 1402 DSB67 RS12670 WP 010643257.1     AIEEVYRDTAAGMPMYIAMRHCHVFPELVLQMVMIGEESGRLDDMLNKIAAIYEFEVDNTVDNLSKILEPLIIVFLGVVV   388
NTDB id 1252 GC085 RS07730 WP 011213805.1     ATDKIREEVATGQQMFIAMENTHLFPNMVIQMVAIGEESGALEKMLSKVADFYEEEVNNAVDALSSLLEPIIMSILGILV   388
NTDB id 360089 E2P79 RS16445 WP 050666599.1   AIMAIRNEVIAGMQVNVAMRTVDLFPDMVIQMVMIGEESGAIDDMLSKVATIFEQEVDDLVDGLTSLLEPLIMVVLGVLV   393
NTDB id 1198 PSJM300 03950 AFN76868.1         ATNKIKSDVSSGMQLNFSMRTTGTFPSMAVQMTAIGEESGALDEMLSKVATFYEDEVDNMVDGLTALMEPMIMAVLGVLV   387
NTDB id 1059 ABD1 RS01610 WP 000279215.1      AVMKIREDVATGQQLQFAMRISNRFPSMAIQMVAIGEESGALDSMLDKVATYYENEVDNAVDGLTSMMEPLIMAILGVLV   390
NTDB id 1016 ACIAD RS01680 WP 004920476.1     AVLKIREDVSTGQQLNFAMRVSNRFPTMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPLIMAILGILV   390
consensus                                     !*  ** **  !***  *!* * *!! ***!!* !!!!!!****!! !*! **! !!***!**!* **!!*!***!!***
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NTDB id 1113 AAA85695.1 219..1451( )          GTLLVAMYLPLFNLGNVVA*   410
NTDB id 1112 NGFG RS09215 WP 003689811.1      GTLLVAMYLPLFNLGNVVA.   410
NTDB id 1169 A1552VC RS11075 WP 000648511.1   GGLVVAMYLPIFNLMSVLG.   408
NTDB id 1402 DSB67 RS12670 WP 010643257.1     GGLVTAMYLPIFNLMSVLG.   407
NTDB id 1252 GC085 RS07730 WP 011213805.1     GGLVVAMYLPIFKLGSAV..   406
NTDB id 360089 E2P79 RS16445 WP 050666599.1   GGMVIAMYLPIFKLGDVVG.   412
NTDB id 1198 PSJM300 03950 AFN76868.1         GGLIIAMYLPIFQMGSVV..   405
NTDB id 1059 ABD1 RS01610 WP 000279215.1      GGLVIAMYLPIFQMGSVV..   408
NTDB id 1016 ACIAD RS01680 WP 004920476.1     GGLVIAMYLPIFQMGSVV..   408
consensus                                     !****!!!!!*!*******
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X non conserved
X similar
X ≥ 50% conserved