logo

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NTDB id 1169 A1552VC RS11075 WP 000648511.1  MKATQ.....TLPLKNYRWKGINSNGKK.VSGQMLAISEIEVRDKLKDQHIQIKKLKKGSVSLLAR.LTHRVKSKDITI  72
NTDB id 407832 GPY30 RS13720 WP 158134408.1  MKVNA.....PVQIKNYRWKGINSSGKK.VSGDVLAISEIEVRDKLHAQHIKIRKIKKSSVSILTR.ISHRVKSRDITL  72
NTDB id 1402 DSB67 RS12670 WP 010643257.1    .MKTI.....APQLKNYRWKGINSSGKK.TSGNVLAMTEIEVRERLDAQHIKIKKLKKGSISFITK.ISHRVKGKDITI  71
NTDB id 1112 NGFG RS09215 WP 003689811.1     .MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRV.....KTSSKRKITQEDITV  74
NTDB id 1113 AAA85695.1 219..1451( )         .MAKNGGFSLFAKKEKRFIFEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRV.....KTSSKRKITQEDITV  74
NTDB id 1252 GCO85 RS07730 WP 011213805.1    .MDKN.....SPPLLTFHYQGINKAGQK.MEGDIQARSLAIAKADLRKQGIVTNKVVKKRKPLFDR.KNKKITQADITV  71
NTDB id 1198 PSJM300 03950 AFN76868.1        .MAQK.....AIKNSVFTWEGLDRQGAK.IKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS..AGKKIKPMDIAL  70
NTDB id 1059 ABD1 RS01610 WP 000279215.1     MAVKK.....AQMMPTFAYEGVDRKGVK.IKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGLFKKKVTTLDITI  73
NTDB id 1016 ACIAD RS01680 WP 004920476.1    MAAKK.....TQVMPVFAYEGVDRKGIK.LKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGLLKKKVKPLDIAI  73
consensus                                     *** *  ** * **!* * * ! * !** * ** *** *!***** ******    *    **** !!**
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NTDB id 1169 A1552VC RS11075 WP 000648511.1  LTRQLATML TTGVPIVQALKLVGDNHRKAEMKSILAQITKSVEAGTPLSKAMRTASAHFDTLYVDLVETGEMSGNLPEVF  152
NTDB id 407832 GPY30 RS13720 WP 158134408.1  FTRQISTML ATGVPILQALKLVADNHRKAEMKSILTNVSKAIEAGTPMSKALRTASHHFDGLYTDLVATGEQSGNLALVF  152
NTDB id 1402 DSB67 RS12670 WP 010643257.1    FTRQIATML MTGVPIVQALKLVSENHKKAEMKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDLIATGEQSGNLSQVF  151
NTDB id 1112 NGFG RS09215 WP 003689811.1     FTRQLSTMI KAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAGETGGVLESLL  154
NTDB id 1113 AAA85695.1 219..1451( )         FTRQLSTMI NAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAGETGGVLESLL  154
NTDB id 1252 GCO85 RS07730 WP 011213805.1    FSRQLATMI ESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTLAESLIKHPLYFNELFCNLVDAGEKSGSLDIML  151
NTDB id 1198 PSJM300 03950 AFN76868.1        FTRQMATMM KAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNLVDSGEQSGSLETLL  150
NTDB id 1059 ABD1 RS01610 WP 000279215.1     FTRQLATMM KAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEQGSTFASALRKYPQHFDNLFCSLVESGEQSGALETML  153
NTDB id 1016 ACIAD RS01680 WP 004920476.1    FTRQLATMM KAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEQGNTFAGALRKYPQYFDNLFCSLIESGEQSGSLEIML  153
consensus                                    **!!**!!* *!*!**!********** ** ****** **  ***!********  * *!* *** !***!!**!  !* **
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NTDB id 1169 A1552VC RS11075 WP 000648511.1  ERLATYREKSEQLRAKVIKALIYPSMVVLVALGVSYLMLTMVIPEFESMFKGFGAELPWFTQQVLKLSHWVQAYSLWAFI  232
NTDB id 407832 GPY30 RS13720 WP 158134408.1  ERLALYREKSEELRSKVIKALIYPCMVVLVALGVSYLMLTQVIPEFRKMFVGFGAELPWFTQKVLDLSDFVQAYGSGFFI  232
NTDB id 1402 DSB67 RS12670 WP 010643257.1    ERLATYREKSEQLRAKVIKALIYPAMVVLVALGVSYLMLTRVIPEFEKMFTGFGADLPAFTQMVLNLSAWTQNWGPFIGL  231
NTDB id 1112 NGFG RS09215 WP 003689811.1     DKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPPLTQTVMDMSDFFVSYGWMVLI  234
NTDB id 1113 AAA85695.1 219..1451( )         DKLAIYKEKTQAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPALTQTVMDMSDFFVSYGWMVLI  234
NTDB id 1252 GCO85 RS07730 WP 011213805.1    DKVATYKEKIEIIKKKIKKALTYPIAVMVVALLVTAGLLIYVVPQFESLFKGFGADLPAMTRAVITMSEFMQAYWYIIFG  231
NTDB id 1198 PSJM300 03950 AFN76868.1        DRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLSEALQAWWYVVLA  230
NTDB id 1059 ABD1 RS01610 WP 000279215.1     DRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGADLPAFTQMVVNMSKWMQEYWFIMII  233
NTDB id 1016 ACIAD RS01680 WP 004920476.1    DRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFTQLVVNMSNWMQDYWFILIL  233
consensus                                    ***!*!*!!** ** !***!* !!  !**!!********** !*!  ! ***  *!!*!!**!* !* *!**** * *****
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NTDB id 1169 A1552VC RS11075 WP 000648511.1  AIAAAIFGLKALRKNSFQIRLKTSRLGLKFPIIGNVLAKASIAKFSRTLATSFAAGIPILASLKTTAKTSGNVHFETAIN  312
NTDB id 407832 GPY30 RS13720 WP 158134408.1  ALISAIYLMRSISRKSDQIKLKFSRLSLRLPVLGSVFSKAAIAKFSRTLATSFSSGIPILTSLQTTSKTSGNLHYQYAIE  312
NTDB id 1402 DSB67 RS12670 WP 010643257.1    SFVSLLISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAGIPILTALKTTSKTSGNMHYQLAIE  311
NTDB id 1112 NGFG RS09215 WP 003689811.1     ALGFAIYGFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEEATR  314
NTDB id 1113 AAA85695.1 219..1451( )         ALGFAIYRFLKLKARSIKIQRRMDAILLRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEEATR  314
NTDB id 1252 GCO85 RS07730 WP 011213805.1    ALGGVVYSFFYAKNHSLEFAQTIDRVMLKLPVIGPILEKAAIARFARTLSITFAAGLPLVEALKSVAGATGNIIYAKATD  311
NTDB id 1198 PSJM300 03950 AFN76868.1        GFVGAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAGVPLVDALDSVAGATGNVVFRSATN  310
NTDB id 1059 ABD1 RS01610 WP 000279215.1     AIGAVIAAFLEAKKRSKKFRDGLDKLALKLPIFGDLVYKAIIARYSRTLATTFAAGVPLIDALESTAGATNNVIYEKAVM  313
NTDB id 1016 ACIAD RS01680 WP 004920476.1    VIGAAIAGFLEARKRSKRFRDQLDRLVLRLPIVGDLVYKAIIARYSRTLATTFAAGVPLIDALASTAGATNNTVYEQAVL  313
consensus                                    *********  ** *! ***  *****!**!**!*** !* *!***!!****!**!*!****! ********!**** !*
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logo
NTDB id 1169 A1552VC RS11075 WP 000648511.1   EVYRDTAAGMPMYIAMRNTEAFPEMVLQMVMIGEESGQLDDMLNKVATIYEFEVDNTVDNLGKILEPLIIVFLGTVVGGL   392
NTDB id 407832 GPY30 RS13720 WP 158134408.1   SVYRDTAAGMPMYIAMRNSNAFPELVLQMVMIGEESGRLDDMLNKIATIYEFEVDNTVDNLGKILEPLIIVFLGVVVGGL   392
NTDB id 1402 DSB67 RS12670 WP 010643257.1     EVYRDTAAGMPMYIAMRHCHVFPELVLQMVMIGEESGRLDDMLNKIAAIYEFEVDNTVDNLSKILEPLIIVFLGVVVGGL   391
NTDB id 1112 NGFG RS09215 WP 003689811.1      EIRTRVIQGLSMTSGMRATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGRLSAMMEPIIIVILGLVIGTL   394
NTDB id 1113 AAA85695.1 219..1451( )          EIRTRVIQGLSMTSGMRATELFPNMMLQMSSIGEESGSLDDMLNKAAEFYEDEVDNAVGWLSAMMEPIIILILGLVIGTL   394
NTDB id 1252 GCO85 RS07730 WP 011213805.1     KIREEVATGQQMFIAMENTHLFPNMVIQMVAIGEESGALEKMLSKVADFYEEEVNNAVDALSSLLEPIIMSILGILVGGL   391
NTDB id 1198 PSJM300 03950 AFN76868.1         KIKSDVSSGMQLNFSMRTTGTFPSMAVQMTAIGEESGALDEMLSKVATFYEDEVDNMVDGLTALMEPMIMAVLGVLVGGL   390
NTDB id 1059 ABD1 RS01610 WP 000279215.1      KIREDVATGQQLQFAMRISNRFPSMAIQMVAIGEESGALDSMLDKVATYYENEVDNAVDGLTSMMEPLIMAILGVLVGGL   393
NTDB id 1016 ACIAD RS01680 WP 004920476.1     KIREDVSTGQQLNFAMRVSNRFPTMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPLIMAILGILVGGL   393
consensus                                      ** *** !* *  *!* *  !! ***!!* !!!!!! !**!!*!*! *!! !!***!* !* **!!*!***!!***!*!
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logo
NTDB id 1169 A1552VC RS11075 WP 000648511.1   VVAMYLPIFNLMSVLG.   408
NTDB id 407832 GPY30 RS13720 WP 158134408.1   VAAMYLPIFNLMSVMG.   408
NTDB id 1402 DSB67 RS12670 WP 010643257.1     VTAMYLPIFNLMSVLG.   407
NTDB id 1112 NGFG RS09215 WP 003689811.1      LVAMYLPLFNLGNVVA.   410
NTDB id 1113 AAA85695.1 219..1451( )          LVAMYLPLFNLGNVVA*   410
NTDB id 1252 GCO85 RS07730 WP 011213805.1     VVAMYLPIFKLGSAV..   406
NTDB id 1198 PSJM300 03950 AFN76868.1         IIAMYLPIFQMGSVV..   405
NTDB id 1059 ABD1 RS01610 WP 000279215.1      VIAMYLPIFQMGSVV..   408
NTDB id 1016 ACIAD RS01680 WP 004920476.1     VIAMYLPIFQMGSVV..   408
consensus                                     **!!!!!*!*******
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X non conserved
X similar
X $\geq$ 50% conserved