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logo
NTDB id 155741 AMQ28 RS03220 WP 053578342.1  MIQFICVGWIIGIATMGRSFPTLELLLLPSIFLLILALILQLTIFKK...VHSLWFKFFQLVLAFTFSLTLGAHFAALQL   77
NTDB id 1015 ACIAD RS12005 WP 004928865.1    MFKIILLGWIAGIAMMGRTLECIEPFTCITGILTFLIWAI..YFYKKRKHQIGSGLRALVILISASFLFGIGAQYADSAL   78
NTDB id 1070 ABD1 RS13145 WP 000472713.1     MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIF..YLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKAL   78
NTDB id 1083 HON27 RS04190 WP 168726476.1    MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIF..YLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKAL   78
consensus                                    !***!**!!!*!!!*!! ***** ********!**!****  ***!******************* ****! **!***!

logo
NTDB id 155741 AMQ28 RS03220 WP 053578342.1  NERLQLREKMPEQTEIIVHIKTLNQLSDQSIQQKVHVLNRHSEVVQWQTFQKN..EAALNVQPKLELGHYYRMQGQTRPA  155
NTDB id 1015 ACIAD RS12005 WP 004928865.1    EERLYYKIMHSDTHEVIIYVHQMGESSDKGIKQVAEVLNIHPDVVNWVFYIDQSLLGA.EKSSSLELGQYYRITAKTKPI  157
NTDB id 1070 ABD1 RS13145 WP 000472713.1     IERLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPA  158
NTDB id 1083 HON27 RS04190 WP 168726476.1    IERLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPA  158
consensus                                    *!!!************!********* !****!***!!!*****!*!********** ******!!!!*!!!****!*!*

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NTDB id 155741 AMQ28 RS03220 WP 053578342.1  HSYATQGTFDQEKWYIQQNIMSGFKVVTVQELSEQDIYRLGYSRYLRAQHGYLQQIKLGIERQRLALRNFIDQQPLRHKG  235
NTDB id 1015 ACIAD RS12005 WP 004928865.1    HSYALEGAFDVEKWFVQQNWQATAQVYRIQTLSKQEVMSAGFYLHVKQQQTWRAQFLQSVEKLRLKFRNYFIDSSLSHHA  237
NTDB id 1070 ABD1 RS13145 WP 000472713.1     HSYATPGAFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSNSFRLNIEKLRLTFRQILNSSSLQQKG  238
NTDB id 1083 HON27 RS04190 WP 168726476.1    HSYATPGSFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSSSFRLNIEKLRLTFRQILNSSSLQQKG  238
consensus                                    !!!!**!*!!*!!!**! !******!*** *!!* *****!*******!****** *****!**!!**!*******!****

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NTDB id 155741 AMQ28 RS03220 WP 053578342.1  LLLALLTGDQSLLHADTENLFQRFGMSHLLAISGPHVLIFALLFCWAMHHLICRYWPDLYLTWPKQYLLIVPFCICVLFY  315
NTDB id 1015 ACIAD RS12005 WP 004928865.1    LLLALLTGDRSLLNPELEQQFQRFGISHLLAISGPHVLIFAAMVSWIFTRLIHRFKPEIYLSIPRQKLVLLPFLMCVILY  317
NTDB id 1070 ABD1 RS13145 WP 000472713.1     LILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQVLIAVPCCLGVLIY  318
NTDB id 1083 HON27 RS04190 WP 168726476.1    LILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQILMAVPCCLGVLIY  318
consensus                                    !*!!!!!!!*!!!**** **!   !*!!!!!!!!!!!*!!!****!*** !*!**!**!!**!*!*!***!****!**!

logo
NTDB id 155741 AMQ28 RS03220 WP 053578342.1  CAFVGFEIPALRTLLSCLLITTFILLKQKIQPLSILLLSASILLIFDPFSILSAAFWLSYGACFVLLRIYQTVQQQSRTA  395
NTDB id 1015 ACIAD RS12005 WP 004928865.1    CAFVGFEIPALRTLFTVMLGSILLLIRHHLSAFSLLVLSASLLLWMDPFSILSAAFWLSYGACFILIRIYQDMTQAQQFH  397
NTDB id 1070 ABD1 RS13145 WP 000472713.1     TAFVGFEIPALRTFLSVLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILLRIYQTIAQLPEQH  398
NTDB id 1083 HON27 RS04190 WP 168726476.1    TAFVGFEIPALRTLLSTLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILIRIYQTIAQLPEQH  398
consensus                                    *!!!!!!!!!!!!!***********!**********!* !!!*!!**!!!!*!!!*!!!!!!!!!!*!*!!!!***!*****

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NTDB id 155741 AMQ28 RS03220 WP 053578342.1  EVKSKTQTLKIQLKILIEAQWKIFLALFPLMIIFFKQIAWITPLSNLFAIPWISVVIVPLDIIAALGYFIFEPLGSIIFQ  475
NTDB id 1015 ACIAD RS12005 WP 004928865.1    QTR.FTRGM.QILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGNLLFY  475
NTDB id 1070 ABD1 RS13145 WP 000472713.1     FLS.LSSKMIFMSKVLIESQGKIFIALSPLTLLFFQQISWVAPLTNIIAVPIVGSVIVPLNIMAACAWFVIKPFGNMLFH  477
NTDB id 1083 HON27 RS04190 WP 168726476.1    FLS.LSSKMIFMSKVLIESQGKIFIALSPLTLLFFQRISWVAPLTNIIAVPIVGSVIVPLNIIAACAWFVVKPFGNMLFH  477
consensus                                    *** ******** !*!***! !!!*!!*!!****! *!*!**!!*!**!*!*****!!!! !*!********* !***!*
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logo

NTDB id 155741 AMQ28 RS03220 WP 053578342.1   INDLCIAILLMFMQILDHVFSPTLQPVAMNFWVLLGVCLGLIILFLPRGIVPKTWSILCFLPFILIDSTKNGFELSVLDV   555
NTDB id 1015 ACIAD RS12005 WP 004928865.1     LNNSLLELFIGILKGLDHLFNPQLQYYAFTPLLLICLTLAIVILFLPKGVVPKFWSVLCFVPLLIPSKMIRPTQISILDV   555
NTDB id 1070 ABD1 RS13145 WP 000472713.1      FNDMLLSILLSCLGLLE.KLSLTLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLNILDV   556
NTDB id 1083 HON27 RS04190 WP 168726476.1     FNDMLLSILLSCLGLLE.KLSLPLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLNILDV   556
consensus                                     *!*************!*** ***!!** *****!********!!!!!*!**!!*! *!!**!************* *!!!

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NTDB id 155741 AMQ28 RS03220 WP 053578342.1   GQGQAIFIRDQAQTLMVDTGGNYDETKFSVGKQIILPFLSVKGVSELNQLILTHLDQDHSGAYETIKQDLKVQQVYSNEQ   635
NTDB id 1015 ACIAD RS12005 WP 004928865.1     GQGQSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQANEE   635
NTDB id 1070 ABD1 RS13145 WP 000472713.1      GQGQAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLISNEQ   636
NTDB id 1083 HON27 RS04190 WP 168726476.1     GQGQAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLISNEQ   636
consensus                                     !!!!*!!**** !****!!!!*!!!* !!*! ****!!!***!!**!****!*!!!!!!!!***!***!*********!!*

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NTDB id 155741 AMQ28 RS03220 WP 053578342.1   IDVAESSQFNYCHQGQEWYWQNNEIRMTVLSPSKEHLANAKHEKNEYSCVLYLQVKNAQPYQNFLLMGDAGWQTEYKILLQ   715
NTDB id 1015 ACIAD RS12005 WP 004928865.1     .IKDLSIPFSLCHSGQTWET..SELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLLQ   712
NTDB id 1070 ABD1 RS13145 WP 000472713.1      LPNDLKQPFQYCHQGQQWHY..PELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLK   714
NTDB id 1083 HON27 RS04190 WP 168726476.1     LPNDLKQPFQYCHQGQQWHY..SELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLK   714
consensus                                     ***** **!**!!*!!*!** *!*****! !** *!*** ***! *!!!*!!!*!* *****!!*!!!!!!* !!**!

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NTDB id 155741 AMQ28 RS03220 WP 053578342.1   DYPDLKVDVLVLGHHGSRHSSAYAFLKQLNPKIAIASAGFTNRYGHPSVMLVARLKALNIPLVTTIEKGSIHFSKHQNTM   795
NTDB id 1015 ACIAD RS12005 WP 004928865.1     QYPDLKVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKFDSGNE   792
NTDB id 1070 ABD1 RS13145 WP 000472713.1      DYPNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVLENHKI   794
NTDB id 1083 HON27 RS04190 WP 168726476.1     DYPNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVLENHKL   794
consensus                                     *!! !!*!!!*!!!!!!*!!!*!*!! ***!!*!!!!!!!!*!*!!!!!*****!!**!*!!!**!** !***!******

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NTDB id 155741 AMQ28 RS03220 WP 053578342.1   LIEFERDTRHWLKR..   809
NTDB id 1015 ACIAD RS12005 WP 004928865.1     QTEFYRQSYKWLQR..   806
NTDB id 1070 ABD1 RS13145 WP 000472713.1      VLHDRRLDRLWLSRGF   810
NTDB id 1083 HON27 RS04190 WP 168726476.1     VLHDRRLDRLWLSRGF   810
consensus                                     *** *!****!!*!**
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X non conserved

X similar

X $\geq$ 50% conserved