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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      MFKIILLGWIAGIAMMGRTLECIEPFTCITGILTFLIWAIYFYKKRKHQIGSGLRALVILISASFLFGIGAQYADSALEE    80
NTDB id 669537 MRY16 RS04770 WP 243484356.1    MLKIILIGWIVGISAMGRDFEIINSTWWIWCCIATLLFIFY..KIKNKGHSPFYKSLLLITAIWAMFCAGYHYADQALEK    78
NTDB id 1070 ABD1 RS13145 WP 000472713.1       MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKALIE    80
NTDB id 1083 HON27 RS04190 WP 168726476.1      MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKALIE    80
consensus                                      !*!!!!*!!!*!!**!! ****!************!****!**!**********************!**!**!!**!! *

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      RLYYKIMHSDTHEVIIYVHQMGESSDKGIKQVAEVLNIHPDVVNWVFYIDQSLLGA.EKSSSLELGQYYRITAKTKPIHS   159
NTDB id 669537 MRY16 RS04770 WP 243484356.1    RLELRELKSQPFEAVVYIRKINELTEEGVKQQAVVLNRHDQVVNWLMYIKEKDH....QPEAFVLGRYYRVYGTIKPAHS   154
NTDB id 1070 ABD1 RS13145 WP 000472713.1       RLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPAHS   160
NTDB id 1083 HON27 RS04190 WP 168726476.1      RLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPAHS   160
consensus                                      !!**************!*****!**** * !*!*!!!*****!!!**!****************!!*!!!******!*!!

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NTDB id 1015 ACIAD RS12005 WP 004928865.1      YALEGAFDVEKWFVQQNWQATAQVYRIQTLSKQEVMSAGFYLHVKQQQTWRAQFLQSVEKLRLKFRNYFIDSSLSHHALL   239
NTDB id 669537 MRY16 RS04770 WP 243484356.1    YAVQGVFDQEKWFLQQNLMSAFLVEQIVPLSQDEVYRLGHLQYLKEQNHFLEKIGLKIEIMRFEFRQMLAHSNLQHKGLL   234
NTDB id 1070 ABD1 RS13145 WP 000472713.1       YATPGAFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSNSFRLNIEKLRLTFRQILNSSSLQQKGLI   240
NTDB id 1083 HON27 RS04190 WP 168726476.1      YATPGSFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSSSFRLNIEKLRLTFRQILNSSSLQQKGLI   240
consensus                                      !!**!*!!*!!!!*! !******!**!**!!**!****!*****!*!**** ******!**!**!!*****!*!****!*

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NTDB id 1015 ACIAD RS12005 WP 004928865.1      LALLTGDRSLLNPELEQQFQRFGISHLLAISGPHVLIFAAMVSWIFTRLIHRFKPEIYLSIPRQKLVLLPFLMCVILYCA   319
NTDB id 669537 MRY16 RS04770 WP 243484356.1    LALLTGDESLLAKDLKKKFQQLGISHLLAISGPHVLIFAIMLTWGLQRVLQHYFPNLYLWQPRQILAFPFLFSVMVYVA   314
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQVLIAVPCCLGVLIYTA   320
NTDB id 1083 HON27 RS04190 WP 168726476.1      LALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQILMAVPCCLGVLIYTA   320
consensus                                      !!!!!!!*!!!*** ***! **!!!!!!!!!!!!!!*!!!*!**!*** ******!**!!**!*!*****!****!**!*!

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NTDB id 1015 ACIAD RS12005 WP 004928865.1      FVGFEIPALRTLFTVMLGSILLLIRHHLSAFSLLVLSASLLLWMDPFSILSAAFWLSYGACFILIRIYQDMTQAQQFHQT   399
NTDB id 669537 MRY16 RS04770 WP 243484356.1    FVGFEIPALRTLLTVALASFFVITRQAIQPFQLLIYSACLFLIYDPFSILSAAFWLSYGACFILLRIYQTIRTLPKDRIK   394
NTDB id 1070 ABD1 RS13145 WP 000472713.1       FVGFEIPALRTFLSVLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILLRIYQTIAQLPEQHFL   400
NTDB id 1083 HON27 RS04190 WP 168726476.1      FVGFEIPALRTLLSTLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILIRIYQTIAQLPEQHFL   400
consensus                                      !!!!!!!!!!!*******  ***********!*!!**!!*!*!**!!!!*!!!*!!!!!!!!!!!*!!!!***********

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NTDB id 1015 ACIAD RS12005 WP 004928865.1      RFTR.GMQILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGNLLFYLNN   478
NTDB id 669537 MRY16 RS04770 WP 243484356.1    NRTEDTKFAIKILIESQWKIFIALMPLVIIFFQQIAWIAPLSNLIAIPILSMLVVPLDIFAACIWLIFPSLCLVLFTLNN   474
NTDB id 1070 ABD1 RS13145 WP 000472713.1       SLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQQISWVAPLTNIIAVPIVGSVIVPLNIMAACAWFVIKPFGNMLFHFND   480
NTDB id 1083 HON27 RS04190 WP 168726476.1      SLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQRISWVAPLTNIIAVPIVGSVIVPLNIIAACAWFVVKPFGNMLFHFND   480
consensus                                      **********!*!**!! !!!*!! !!****!**!*!*!!!*!*!!*!!****!!! !*!*!*! **** ***!!* !
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logo

NTDB id 1015 ACIAD RS12005 WP 004928865.1     SLLELFIGILKGLDHLFNPQLQYYAFTPLLLICLTLAIVILFLPKGVVPKFWSVLCFVPLLIPSKMIRPTQISILDVGQG   558
NTDB id 669537 MRY16 RS04770 WP 243484356.1  MLLSILIGLLDVLM.SLTPDLQGISYIPLSLFALSVGIFILFMPKGTIPKSWGLVCFLPILFGA.KQQKTMLTILDVGQG   552
NTDB id 1070 ABD1 RS13145 WP 000472713.1     MLLSILLSCLGLLE.KLSLTLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLNILDVGQG   559
NTDB id 1083 HON27 RS04190 WP 168726476.1    MLLSILLSCLGLLE.KLSLPLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLNILDVGQG   559
consensus                                    *!!**** *!**!* **** !!*****!!*!******!*!!!*!!!**!!*!***!**!********** ***!!!!!!!

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NTDB id 1015 ACIAD RS12005 WP 004928865.1     QSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQANEEI..   636
NTDB id 669537 MRY16 RS04770 WP 243484356.1  QSVFLQQAQHNLMIDTGGSYNEEMFSLGERVIVPFLRQQGIEKLDQMILSHLDQDHSGAFPYIEQVLEITKVYANEKNEK   632
NTDB id 1070 ABD1 RS13145 WP 000472713.1     QAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLISNEQL.P   638
NTDB id 1083 HON27 RS04190 WP 168726476.1    QAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLISNEQL.P   638
consensus                                    ! *!*!********!!!!*!*!**!!*!**!*!!!!**!!***!!***!*!!!!!!!!**!***!******** !!** *

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NTDB id 1015 ACIAD RS12005 WP 004928865.1     KDLSIPFSLCHSGQTWETSELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLLQQYPD   716
NTDB id 669537 MRY16 RS04770 WP 243484356.1  LPFKDNFSFCHQGQKWNLAQTQVEILSPKIEELSYVQNQQNEYSCVVYIEFEHAKPYRKFLIMGDAGWETEYKLLQQYPD   712
NTDB id 1070 ABD1 RS13145 WP 000472713.1     NDLKQPFQYCHQGQQWHYPELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPN   718
NTDB id 1083 HON27 RS04190 WP 168726476.1    NDLKQPFQYCHQGQQWHYSELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPN   718
consensus                                    ******! *!!*!!*!********!! !!* *!*** ***! *!!!*!***** *****!!*!!!!!!! !!*!!  !!

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NTDB id 1015 ACIAD RS12005 WP 004928865.1     LKVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKFDSGNEQTEF   796
NTDB id 669537 MRY16 RS04770 WP 243484356.1  LEVDVILLGHHGSKHSSAYDFLATIKPKLAIASAGFENRYGHPSIELQQRLRALNIPLLTTSQNGSISFEINHANTVISM   792
NTDB id 1070 ABD1 RS13145 WP 000472713.1     LKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVLENHKIVLHD   798
NTDB id 1083 HON27 RS04190 WP 168726476.1    LKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVLENHKLVLHD   798
consensus                                    !**!!**!!!!!!*!!!*!!!!****!!*!!!!!!!*!*!!!!!* ***!!**!*!!! *! **!***!***** *****

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NTDB id 1015 ACIAD RS12005 WP 004928865.1     YRQSYKWLQR..   806
NTDB id 669537 MRY16 RS04770 WP 243484356.1  YRQQRKWLNRLQ   804
NTDB id 1070 ABD1 RS13145 WP 000472713.1     RRLDRLWLSRGF   810
NTDB id 1083 HON27 RS04190 WP 168726476.1    RRLDRLWLSRGF   810
consensus                                     ! ** !!*!**
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X non conserved

X similar

X ≥ 50% conserved