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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1       MFKIILLGWIAGIAMMGRTLECIEPFTCITGILTFLIWAIYFYKKRKHQIGSGLRALVILISASFLFGIGAQYADSALEE    80
NTDB id 1108019 ACN19N RS10595 WP 420001292.1   MLKIILLGWIAGIAVMGFHLDFIELTWWIWLAIAILIFSFCIYKKESYFYRPFYKALILLSASWGLFTTGYHFADSALEQ    80
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       RLYYKIMHSDTHEVIIYVHQMGESSDKGIKQVAEVLNIHPDVVNWVFYIDQSLLG.AEKSSSLELGQYYRITAKTKPIHS   159
NTDB id 1108019 ACN19N RS10595 WP 420001292.1   RLQLKEFQSQSYEAIVYIKSIDELSDDGHKQIAEVLNRHKQPVNWLLYLKQDKYQ.FNQKQSLKLGHYYRVHGQIKPAHS   159
NTDB id 1070 ABD1 RS13145 WP 000472713.1        RLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPAHS   160
NTDB id 1083 HON27 RS04190 WP 168726476.1       RLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPAHS   160
consensus                                       !!*************!*!*****!* !* * !*! !!!*****!!!**!** ********** !*!!*!!!******!*!!

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1       YALEGAFDVEKWFVQQNWQATAQVYRIQTLSKQEVMSAGFYLHVKQQQTWRAQFLQSVEKLRLKFRNYFIDSSLSHHALL   239
NTDB id 1108019 ACN19N RS10595 WP 420001292.1   YAVVGAFDQEKWFLQQNIMSAFSVQFIQPLSFDEIYRLGYQGHLKQQQSFSAKFLLSVEMKRLEFRQMLQASKLQHKGLL   239
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 1108019 ACN19N RS10595 WP 420001292.1   LALLTGDESLLSNTLKQQFQQLGISHLLAISGPHVLIFALMLSWLIQRLIQHYCPHLYLWQPRQILLLLPFLLSVLVYVA   319
NTDB id 1070 ABD1 RS13145 WP 000472713.1        LALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQVLIAVPCCLGVLIYTA   320
NTDB id 1083 HON27 RS04190 WP 168726476.1       LALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQILMAVPCCLGVLIYTA   320
consensus                                       !!!!!!!*!!!*** * !! **!!!!!!!!!!!!!*!!!*!*!!*** !****! *!!**!*!*!* *!****!**!*!

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1       FVGFEIPALRTLFTVMLGSILLLIRHHLSAFSLLVLSASLLLWMDPFSILSAAFWLSYGACFILIRIYQDMTQAQQFHQT   399
NTDB id 1108019 ACN19N RS10595 WP 420001292.1   FVGFEIPAIRTLLTALLASIFLFFRQSIRPFSLLIYSASILLLFDPFSILSAGFWLSYGACFILLRVYQTIAQLPQDQPI   399
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       RFTRGMQ.ILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGNLLFYLNN   478
NTDB id 1108019 ACN19N RS10595 WP 420001292.1   TWTQKIFLAAKVLVESQSKIFIALLPLVLIFFQQVSWIAPISNLIAIPLLGGVVVPLDILAACIWLIIPELGQFLFQIND   479
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 1108019 ACN19N RS10595 WP 420001292.1  FLLSILMSILDILQH.IAPHLYGVSYTPLMMVSLTLGMLILFMPRGTIPKAWALICFLPICIGVKT.QPTVLNILDVGQG   557
NTDB id 1070 ABD1 RS13145 WP 000472713.1       MLLSILLSCLGLLEK.LSLTLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLNILDVGQG   559
NTDB id 1083 HON27 RS04190 WP 168726476.1      MLLSILLSCLGLLEK.LSLPLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLNILDVGQG   559
consensus                                      *!!******!**!** *** !*****!!!**********!!!*!*!**!!*!***!**!*****!**** ***!!!!!!!

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      QSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQANEEI..   636
NTDB id 1108019 ACN19N RS10595 WP 420001292.1  QAVFLQHPEQIFMIDTGGSYNENKFSLGERVVIPFIRQQGVRHIDHLILSHLDQDHSGAFPIIQKNFEISQVQSNEYDQK   637
NTDB id 1070 ABD1 RS13145 WP 000472713.1       QAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLISNEQL.P   638
NTDB id 1083 HON27 RS04190 WP 168726476.1      QAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLISNEQL.P   638
consensus                                      !**!*!***!****!!!!*!*!* !!*!**!!*!!***!!!***!***!*!!!!!!!!**!*********** *!!** *

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      KDLSIPFSLCHSGQTWETSELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLLQQYPD   716
NTDB id 1108019 ACN19N RS10595 WP 420001292.1  MQFKNNFSFCQQGQHWSYQNLKVEILSPKSDELTHAKDQQNEYSCVVYLQFLNAQPYQNFLIMGDAGWEAEYKLMQQYPD   717
NTDB id 1070 ABD1 RS13145 WP 000472713.1       NDLKQPFQYCHQGQQWHYPELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPN   718
NTDB id 1083 HON27 RS04190 WP 168726476.1      NDLKQPFQYCHQGQQWHYSELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPN   718
consensus                                      ******! *!**!!*!****! **!! !!****!*** ***! *!!!*!!!*** *****!!*!!!!!!!*!!*!*  !!

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LKVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKCAIHFKFDSGNEQTEF   796
NTDB id 1108019 ACN19N RS10595 WP 420001292.1  LKVDVLILGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQELKNRLQALHIPLLTTAEAGTIRFVFENGQVELRQ   797
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVLENHKIVLHD   798
NTDB id 1083 HON27 RS04190 WP 168726476.1      LKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVLENHKLVLHD   798
consensus                                      !!*!!!*!!!!!!!*!!!*!!!!****!!*!!!!!!!*!*!!!!!* ** !! *!*!!! *!***!***!* ************

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      YRQSYKWLQR..   806
NTDB id 1108019 ACN19N RS10595 WP 420001292.1  QRQQIKWLERK.   808
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 $\geq$ 50% conserved