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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      MFKIILLGWIAGIAMMGRTLECIEPFTCITGILTFLIWAIYFYKKRKHQIGSGLRALVILISASFLFGIGAQYADSALEE    80
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  MLKIILFGWIAGIALMGQDFHFIEQTWWIWLILASLIFTLGRYKRQHYFQRAWYQALLLSSCSWALYCTGYHYADVALEQ    80
NTDB id 1083 HON27 RS04190 WP 168726476.1      MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKALIE    80
NTDB id 1070 ABD1 RS13145 WP 000472713.1       MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKALIE    80
consensus                                      !*!!!!*!!!*!!!*!!*****! ******* !**! *****!!***********!*********!***!**!!**!! *

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      RLYYKIMHSDTHEVIIYVHQMGESSDKGIKQVAEVLNIHPDVVNWVFYIDQSLLGA.EKSSSLELGQYYRITAKTKPIHS   159
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  RLSLRELQVQPFEAIVYIKKIDEITDEGQKQIAEVLNRHSQPVDWLLYLNKASQQSM.QQPSLQLGRYYRINGMIRPAHS   159
NTDB id 1083 HON27 RS04190 WP 168726476.1      RLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPAHS   160
NTDB id 1070 ABD1 RS13145 WP 000472713.1       RLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPAHS   160
consensus                                      !!************!*!*****!**!* * !*! !!!*****!*!**!************* !*!!*!!!!*****!*!!

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      YALEGAFDVEKWFVQQNWQATAQVYRIQTLSKQEVMSAGFYLHVKQQQTWRAQFLQSVEKLRLKFRNYFIDSSLSHHALL   239
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  YAVAGVFDQEKWFLQQNILSAFSVRQIQPLSPDEIYRLGYQQHDKQQRTFKARLLLKIEGMRLDFRQMLQTSSLQHPGLL   239
NTDB id 1083 HON27 RS04190 WP 168726476.1      YATPGSFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSSSFRLNIEKLRLTFRQILNSSSLQQKGLI   240
NTDB id 1070 ABD1 RS13145 WP 000472713.1       YATPGAFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSNSFRLNIEKLRLTFRQILNSSSLQQKGLI   240
consensus                                      !!**!*!!*!!!!*! !******!**! *!!**!****!***!*! !******* ***!**!!*!!*****!!!****!*

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LALLTGDRSLLNPELEQQFQRFGISHLLAISGPHVLIFAAMVSWIFTRLIHRFKPEIYLSIPRQKLVLLPFLMCVILYCA   319
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  LALLTGDESLLSSELKQQFQLLGISHLLAISGPHVLIFALMLTWLCQRLIQRYYPELYLWKPRQILVIFPFVASVVLYVA   319
NTDB id 1083 HON27 RS04190 WP 168726476.1      LALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQILMAVPCCLGVLIYTA   320
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQVLIAVPCCLGVLIYTA   320
consensus                                      !!!!!!!*!!!**! * !! **!!!!!!!!!!!!!*!!!*!**!*** !*!**!**!!**!*!*!***!****!**!*!

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      FVGFEIPALRTLFTVMLGSILLLIRHHLSAFSLLVLSASLLLWMDPFSILSAAFWLSYGACFILIRIYQDMTQAQQFHQ.   398
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  FVGFEIPAIRTLFTVLIASLFLIILRQSMQPLALLVYSASLLLIYDPFSILSAAFWLSYGACFILLRIYQTTAHLPQDQVQ   399
NTDB id 1083 HON27 RS04190 WP 168726476.1      FVGFEIPALRTLLSTLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILIRIYQTIAQLPEQHFL   400
NTDB id 1070 ABD1 RS13145 WP 000472713.1       FVGFEIPALRTFLSVLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILLRIYQTIAQLPEQHFL   400
consensus                                      !!!!!!!!!*!!* ***** **!*********!!!*!!!!!!**!!!!*!!!*!!!!!!!!!!!!*!!!!****** ****

logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1      TRFTRGMQILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGNLLFYLNN   478
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  TSIQKMMLAIKVLIDAQWKIFIALLPLVIIFFQQISWAAPLSNLIAIPLLSGVVVPLDILAACLWLIIPALGLLLFQLND   479
NTDB id 1083 HON27 RS04190 WP 168726476.1      SLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQRISWVAPLTNIIAVPIVGSVIVPLNIIAACAWFVVKPFGNMLFHFND   480
NTDB id 1070 ABD1 RS13145 WP 000472713.1       SLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQQISWVAPLTNIIAVPIVGSVIVPLNIMAACAWFVIKPFGNMLFHFND   480
consensus                                      **********!*!***! !!!*!!*!!****!**!!!*!!!*!*!!*!*** **!!! !*!*! ! **** !**!!* !*
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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1       SLLELFIGILKGLDHLFNPQLQYYAFTPLLLICLTLAIVILFLPKGVVPKFWSVLCFVPLLIPSKMIRPTQISILDVGQG   558
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  QLLAFLLWGLNGLQHLFPA.LYGVSYTPGMMLSLILGLVILFMPRGSVPKLWAGICFLPMLIGVK.TQSTTLTILDVGQG   557
NTDB id 1083 HON27 RS04190 WP 168726476.1      MLLSILLSCLGLLEKLSLP.LQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLNILDVGQG   559
NTDB id 1070 ABD1 RS13145 WP 000472713.1       MLLSILLSCLGLLEKLSLT.LQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLNILDVGQG   559
consensus                                      *!!******!* !**! ** !*****!!***********!!!*!*!**!!*!***!**!*****!**** ***!!!!!!!
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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1       QSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQANEEI..   636
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  QAIFLQHPQQTLMIDTGGNYDERKFGIGERVDIPFLRQQGVRSLDHVILSHLDQDHSGAFPAIQNAFAITQVQSSERSEK   637
NTDB id 1083 HON27 RS04190 WP 168726476.1      QAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLISNEQL.P   638
NTDB id 1070 ABD1 RS13145 WP 000472713.1       QAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLISNEQL.P   638
consensus                                      !*!!*!***!****!!!!*!!!* !*!!**!**!!!**!!!**!!*!*!*!!!!!!!!**!*********** **!** *
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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1       KDLSIPFSLCHSGQTWETSELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLLQQYPD   716
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  LPFKDNFSYCQQGQHWSYSNLKIEILSPTQDGLNFAEHQRNEQSCVVYLQFLNAQPYQNFLIMGDAGWETEFKLLQQYPD   717
NTDB id 1083 HON27 RS04190 WP 168726476.1      NDLKQPFQYCHQGQQWHYSELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPN   718
NTDB id 1070 ABD1 RS13145 WP 000472713.1       NDLKQPFQYCHQGQQWHYPELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPN   718
consensus                                      ******! *!**!!*!****! !*!! !****!*** ** ! *!!!*!!!*** *****!!*!!!!!!! !**!!  !!
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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1       LKVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKFDSGNEQTEF   796
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  LKIDVLVLGHHGSKNSSAYDFLKVLKPKLAIASAGFNNRYGHPSREVQKRLQALNIPLLNTTRTGSVNFLFEHGKVEIKL   797
NTDB id 1083 HON27 RS04190 WP 168726476.1      LKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVLENHKLVLHD   798
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVLENHKIVLHD   798
consensus                                      !!*!!!*!!!!!!**!!*!!!! ***!!*!!!!!!!*!*!!!!!* !**!! *!*!!! *!***!***!* **********
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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1       YRQSYKWLQR..   806
NTDB id 1094090 ACMHYC RS06235 WP 414659749.1  QRQQRKWLQRE.   808
NTDB id 1083 HON27 RS04190 WP 168726476.1      RRLDRLWLSRGF   810
NTDB id 1070 ABD1 RS13145 WP 000472713.1       RRLDRLWLSRGF   810
consensus                                      *! ** !! !**
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X non conserved
X similar
X ≥ 50% conserved