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logo
NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  MWYVYSLCLGWIIGISCMGNVIPNHLNIILFFNLIFIVFVAISSILKWKLVRSNIIKIILHLSLGLSMFIGAWFYADHAL   80
NTDB id 1015 ACIAD RS12005 WP 004928865.1      ..MFKIILLGWIAGIAMMGRTLECIEPFTCITGILTFLIWAIYFYKKRKHQIGSGLRALVILISASFLFGIGAQYADSAL   78
NTDB id 1083 HON27 RS04190 WP 168726476.1      ..MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKAL   78
NTDB id 1070 ABD1 RS13145 WP 000472713.1       ..MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKAL   78
consensus                                        ******!!!!*!!**!!********************  ****** ************!******!*****!!**!!

logo
NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  QQRLQLRVQQILNVSALVYVDKISQVSIDTDQVRTKYTVWLLNLTAQPIKIS.......VDLKQGQSPLALGHYYQISGK  153
NTDB id 1015 ACIAD RS12005 WP 004928865.1      EERLYYKIMHSDTHEVIIYVHQMGESSDKGI....KQVAEVLNIHPDVVNWVFYIDQSLLGA.EKSSSLELGQYYRITAK  153
NTDB id 1083 HON27 RS04190 WP 168726476.1      IERLEQRETDTRNLDIIVYINRLSEEKDNKV....QQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGK  154
NTDB id 1070 ABD1 RS13145 WP 000472713.1       IERLEQRETDTRNLDIIVYINRLSEEKDNKV....QQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGK  154
consensus                                      **!!**************!******* ****     *****!!************************ *!*!!*!!*!**!

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NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  LKPAHSYAVAGVFDKERWFLQENMMGSLNAQFIQPIDTLQVSTLGYAKFVQQHDSWWSKFKLGIEMQRLAFFRKRIENSSL  233
NTDB id 1015 ACIAD RS12005 WP 004928865.1      TKPIHSYALEGAFDVEKWFVQQNWQATAQVYRIQTLSKQEVMSAGFYLHVKQQQTWRAQFLQSVEKLRLKFRNYFIDSSL  233
NTDB id 1083 HON27 RS04190 WP 168726476.1      TRPAHSYATPGSFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSSSFRLNIEKLRLTFRQILNSSSL  234
NTDB id 1070 ABD1 RS13145 WP 000472713.1       TRPAHSYATPGAFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSNSFRLNIEKLRLTFRQILNSSSL  234
consensus                                      **!*!!!!**!*!!*!*!!*!*!********! **********!****** *******!****!**!!*!!*****!!!

logo
NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  QQKGLLLALLTGDESLLSSDTQHLFQRLGISHLLAISGPHVLIFAILFCSIFQRAIQKFRPEFYLKCPKPYLLMIPFLAC  313
NTDB id 1015 ACIAD RS12005 WP 004928865.1      SHHALLLALLTGDRSLLNPELEQQFQRFGISHLLAISGPHVLIFAAMVSWIFTRLIHRFKPEIYLSIPRQKLVLLPFLMC  313
NTDB id 1083 HON27 RS04190 WP 168726476.1      QQKGLILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQILMAVPCCLG  314
NTDB id 1070 ABD1 RS13145 WP 000472713.1       QQKGLILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQVLIAVPCCLG  314
consensus                                      ****!*!!!!!!!!*!!!*******!  *!!!!!!!!!!!!!!*!!!***** ** *!****!**!!**!**!*!***!****

logo
NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  VALYSAFVGFEIPALRTLLTVTLCSVLIWLRQSLSALKILLVSASILLWVDPFSILSAAFWLSYGACFILIRVYQTLQQQ  393
NTDB id 1015 ACIAD RS12005 WP 004928865.1      VILYCAFVGFEIPALRTLFTVMLGSILLLIRHHLSAFSLLVLSASLLLWMDPFSILSAAFWLSYGACFILIRIYQDMTQA  393
NTDB id 1083 HON27 RS04190 WP 168726476.1      VLIYTAFVGFEIPALRTLLSTLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILIRIYQTIAQL  394
NTDB id 1070 ABD1 RS13145 WP 000472713.1       VLIYTAFVGFEIPALRTFLSVLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILLRIYQTIAQL  394
consensus                                      !**!*!!!!!!!!!!!!!!******* *  ******* ****!**!!!*!! *!!!!*!!!*!!!!!!!!!!!!*!*!!***!*

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NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  PSQYQTLFQK.TIFYLKVLVESQWKVFIALFPLMIFIFQKVAWVAPLSNLFAIPLIGAVVVPLEVIGACLSLLFTPLGSI  472
NTDB id 1015 ACIAD RS12005 WP 004928865.1      QQFHQTRFTRGM.QILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGNL  472
NTDB id 1083 HON27 RS04190 WP 168726476.1      PEQHFLSLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQRISWVAPLTNIIAVPIVGSVIVPLNIIAACAWFVVKPFGNM  474
NTDB id 1070 ABD1 RS13145 WP 000472713.1       PEQHFLSLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQQISWVAPLTNIIAVPIVGSVIVPLNIMAACAWFVIKPFGNM  474
consensus                                      ****  * ******* !*!**!! !*!*!!*!!*** !****!*!!!*!**!*!**!***!!!*****! * **** !**
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logo

NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  FFAVADWVLSILLHILNVLDQIFSQNLQWFAFTPWMTLCLALAIFILFLPRGVMSKAWVGICCIPLIFPQQKQSDFTLTV   552
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LFYLNNSLLELFIGILKGLDHLFNPQLQYYAFTPLLLICLTLAIVILFLPKGVVPKFWSVLCFVPLLIPSKMIRPTQISI   552
NTDB id 1083 HON27 RS04190 WP 168726476.1      LFHFNDMLLSILLSCLGLLEKL.SLPLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLNI   553
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LFHFNDMLLSILLSCLGLLEKL.SLTLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLNI   553
consensus                                      *!******!******!**!******!!**  !!********!!*!!!!!*!***!*!***!**!!**************

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NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  LDVAQGQAIFLNLPTHKMMIDTGGSFDETKFSIGRQVVIPYLKQQGVHQLDQVILSHLDQDHSGAFPAIAEEIKVKQIWS   632
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LDVGQGQSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQA   632
NTDB id 1083 HON27 RS04190 WP 168726476.1      LDVGQGQAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLIS   633
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LDVGQGQAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLIS   633
consensus                                      !!!*!!!*!!**********!!!!**!!* !!!!**!!*!*!**!!!*!!!*!*!*!!!!!!!!**!*****!*******

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NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  NENDGRFAKENFQYCHAGQVWQYAQVKIQVLAPPKNSLSNVASQQNERSCIVYIQVQNAQNNQNFLIMGDAGWEAEFDLL   712
NTDB id 1015 ACIAD RS12005 WP 004928865.1      NEE.IKDLSIPFSLCHSGQTWETSELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLL   711
NTDB id 1083 HON27 RS04190 WP 168726476.1      NEQLPNDLKQPFQYCHQGQQWHYSELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELL   713
NTDB id 1070 ABD1 RS13145 WP 000472713.1       NEQLPNDLKQPFQYCHQGQQWHYPELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELL   713
consensus                                      !!*********!**!!*!!*!***** !!*!*!****!*******! *!!**!*!*** *****!!*!!!!!!!*!**!!

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NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  QHYPNLKVDVLVLGHHGSQHSSAYAFLDKLKPKVAVISAGFDNRYGHPHSIVLARLKALNIPMVSTIEQGSIQFQLDAQK   792
NTDB id 1015 ACIAD RS12005 WP 004928865.1      QQYPDLKVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKFDSGN   791
NTDB id 1083 HON27 RS04190 WP 168726476.1      KDYPNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVLENHK   793
NTDB id 1070 ABD1 RS13145 WP 000472713.1       KDYPNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVLENHK   793
consensus                                       *!!*!!*!!!*!!!!!! !!!*!*!!****!!*!**!!!!*!*!!!!***!**!!**!*!!**!!***!***!******

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NTDB id 1040166 ACDW34 RS05675 WP 372404255.1  NMQMSNYRSSKMWLVR..   808
NTDB id 1015 ACIAD RS12005 WP 004928865.1      .EQTEFYRQSYKWLQR..   806
NTDB id 1083 HON27 RS04190 WP 168726476.1      .LVLHDRRLDRLWLSRGF   810
NTDB id 1070 ABD1 RS13145 WP 000472713.1       .IVLHDRRLDRLWLSRGF   810
consensus                                       * *** !* **!!*!**
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X non conserved

X similar

X $\geq$ 50% conserved