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logo
NTDB id 1015 ACIAD RS12005 WP 004928865.1     MFKIILLGWIAGIAMMGRTLECIEPFTCITGILTFLIWAIYFYKKRKHQIGSGLRALVILISASFLFGIGAQYADSALEE   80
NTDB id 220089 OTEC02 RS04495 WP 081172987.1 MLKFILMGWIGGIAFMGIDIPLIMQYGWIGKVLIVIGFIFYIFKGYTFLNRPILKAIYCLVCAISLFIIGHQYAQHALNK   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 220089 OTEC02 RS04495 WP 081172987.1 RLQLRGMQPKSLDIVVYVDRISEEKEDKTQQPVQVLGQSLHPVTWLLYLKNQKVNSAIDEPILQLGHYYRISGKTRPAHS   160
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 220089 OTEC02 RS04495 WP 081172987.1 YAVAGAFDQEQWFIQRNIMSGFSVQHIEPLSSDEIYRLGYQHHLKDQQKFFNRQKLNIEKLRLKFRLMLKQSPLQNKGLL   240
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 220089 OTEC02 RS04495 WP 081172987.1 LALLTGDESLLNDEIKNQFKELGISHLLAISGPHVLIFAIMLSWGLHQLLRRYYPQLYLHQPKQIWAMIPLCFGVLIYTA   320
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 220089 OTEC02 RS04495 WP 081172987.1 FVGFEIPALRTLLSVVLFASLLLIKLPVRPFSLLVYSASLLLFFDPFSVLSAGFWLSYGSCFILLRIYQTIEQVPNLVST   400
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     RFTRGM.QILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGNLLFYLNN   478
NTDB id 220089 OTEC02 RS04495 WP 081172987.1 SLLSRIILFSKILIESQGKIFIALCPLMLIFFQQISWVAPFTNIIAVPLLGGVIVPLNIFAACVWLIFNSFGNLLFQINN   480
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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NTDB id 1015 ACIAD RS12005 WP 004928865.1      SLLELFIGILKGLDHLFNPQLQYYAFTPLLLICLTLAIVILFLPKGVVPKFWSVLCFVPLLIPSKMIRPTQISILDVGQG   558
NTDB id 220089 OTEC02 RS04495 WP 081172987.1  VLISIVLTCFDLLEKL.SLPLQGFSLTPLDLVCLSFVIIILFLPRGVLPKSWGLICCLPLVIPNKSSQQIQINIIDVGQG   559
NTDB id 1070 ABD1 RS13145 WP 000472713.1      MLLSILLSCLGLLEKL.SLTLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLNILDVGQG   559
NTDB id 1083 HON27 RS04190 WP 168726476.1     MLLSILLSCLGLLEKL.SLPLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLNILDVGQG   559
consensus                                     *!**********!**! ***!!****!!!*!******!*!!!!!*!**!!*!***!**!!****!*****!**!*!!!!!

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NTDB id 1015 ACIAD RS12005 WP 004928865.1      QSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQANEE.IK   637
NTDB id 220089 OTEC02 RS04495 WP 081172987.1  QAIFLQHPQQTWLIDTGGSYDEKAFSIGQNVVIPYLRQKGIKQLDHVILSHLDQDHSGAFPSIAQAFPIKQVISNELWTE   639
NTDB id 1070 ABD1 RS13145 WP 000472713.1      QAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLISNEQLPN   639
NTDB id 1083 HON27 RS04190 WP 168726476.1     QAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLISNEQLPN   639
consensus                                     !*!!*!***!**!*!!!!*!!!**!!!!**!!*!*!***!**!!!*!*!*!!!!!!!!**!***!**!******!!****

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NTDB id 1015 ACIAD RS12005 WP 004928865.1      DLSIPFSLCHSGQTWETSELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLLQQYPDL   717
NTDB id 220089 OTEC02 RS04495 WP 081172987.1  QIKEPFTYCHQGQKWQYPQLDIEILWPMEKDLNLVSSNQNQYSCVVYIHLKQVTGYQNYLIMGDAGWEAEYQLMKEYPDL   719
NTDB id 1070 ABD1 RS13145 WP 000472713.1      DLKQPFQYCHQGQQWHYPELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPNL   719
NTDB id 1083 HON27 RS04190 WP 168726476.1     DLKQPFQYCHQGQQWHYSELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPNL   719
consensus                                     ****!!**!!*!!*!****!*!*!!*!****!***********!*!**!!!*!** ! *******!*!!!!!!!*!! !***!! !

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NTDB id 1015 ACIAD RS12005 WP 004928865.1      KVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKFDSGNEQTEFY   797
NTDB id 220089 OTEC02 RS04495 WP 081172987.1  KVDVLVLGHHGSKHSSAYDFLATLKPKLVIASAGFNNRYGHPSKEVLARVQALHIPFKSTVGQGTLSFVSRNHEMVLYTR   799
NTDB id 1070 ABD1 RS13145 WP 000472713.1      KIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVLENHKIVLHDR   799
NTDB id 1083 HON27 RS04190 WP 168726476.1     KIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVLENHKLVLHDR   799
consensus                                     !*!!!*!!!!!!*!!!*!!!!****!!**!!!!!!*!*!!!!!* !**!* *!*!!**!!***!***!*******!****

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NTDB id 1015 ACIAD RS12005 WP 004928865.1      RQSYKWLQR..   806
NTDB id 220089 OTEC02 RS04495 WP 081172987.1  RFERTWLHRHL   810
NTDB id 1070 ABD1 RS13145 WP 000472713.1      RLDRLWLSRGF   810
NTDB id 1083 HON27 RS04190 WP 168726476.1     RLDRLWLSRGF   810
consensus                                     !****!!*!**
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X non conserved

X similar

X ≥ 50% conserved