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logo
NTDB id 170017 AXE83 RS08770 WP 060956164.1   MKLKKRLIGAGLTLAAAVLLTACG.KSASDAKTYSSTFGADPTTFNYLLDYSGDNTAVVTNLVDGLLENDNYGNLIPALA   79
NTDB id 475 HSISS4 RS07005 WP 021143809.1     MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 324 STU RS16140 WP 011226306.1        MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 292 STER RS06940 WP 011681419.1       MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
consensus                                     !!**!*!**!!**!*****!*!!**!!*****!!******!!****!*****!*****!!!*!!!!*!*!*!!!!*!**!

logo
NTDB id 170017 AXE83 RS08770 WP 060956164.1   EDWSVSKDGLTYTYKLRQDAKWFTADGEEYAPIKAQDFVTGIKYAADNKSQALDLIQNSIKGLDDYVTGANTDFSNVGVK   159
NTDB id 475 HSISS4 RS07005 WP 021143809.1     EDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVK   160
NTDB id 324 STU RS16140 WP 011226306.1        EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVK   160
NTDB id 292 STER RS06940 WP 011681419.1       EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVK   160
consensus                                     !!!!!!*!!!!!!!!!*!***!!*!**!!!!!***!*!!!!!*!*!!!*!*****!*!*!!*!!*!!**!  !*!!!!!!!!

logo
NTDB id 170017 AXE83 RS08770 WP 060956164.1   ALDDYTVQYTLTRPEPFWNSKTTNSILFPVNEEFLTSKGKEFGELK.ADSILYSGPYLLKEFTSKSSLEYKKNPHYYDQE   238
NTDB id 475 HSISS4 RS07005 WP 021143809.1     AIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKK   240
NTDB id 324 STU RS16140 WP 011226306.1        AIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKK   240
NTDB id 292 STER RS06940 WP 011681419.1       AIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKK   240
consensus                                     !*!*!!*!!!!**!!!*!!!!!!***!*!!!*!!**!!!*!!******!!!!*!!*!!!**!*!!!*!**!!**!*!**

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NTDB id 170017 AXE83 RS08770 WP 060956164.1   KVTIERVKLAYVDGSDQDMTIRNFESGAYSSAGVYPNSSNFAKTKEKYKDNIVYSLQDATSWYYNFNVNRQAYNHTAKTS   318
NTDB id 475 HSISS4 RS07005 WP 021143809.1     NVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKT   320
NTDB id 324 STU RS16140 WP 011226306.1        NVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKT   320
NTDB id 292 STER RS06940 WP 011681419.1       NVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKT   320
consensus                                     *!*****!  *!*!!!!!****!*!**!!!  *!*!*!*!!!******!!!!!!*!****!*******!**!!*!***!!**

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NTDB id 170017 AXE83 RS08770 WP 060956164.1   DEQKQATQAAILNKNFRQAINFAIDRTAYSAQSNGEEAAKNTLRNTLVPPTFVQVGDKTFGETVSSKLVNYGTQWSNMNL   398
NTDB id 475 HSISS4 RS07005 WP 021143809.1     DAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF   400
NTDB id 324 STU RS16140 WP 011226306.1        DSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF   400
NTDB id 292 STER RS06940 WP 011681419.1       DSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNL   400
consensus                                     !**!**!**!*!!!!*!!!*!!!!!!!  !!**!*!!***!****!!**!!**!!**!!!!!!**!**!***!!**!!**!

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NTDB id 170017 AXE83 RS08770 WP 060956164.1   EDAQDGYFNKEKAQAQFAEAKKELEAQGVTFPIHLDLPVDQVNKTLLPKIHSLKQSVESTLGAENVVIDVIQISTEDYAN   478
NTDB id 475 HSISS4 RS07005 WP 021143809.1     TDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQN   480
NTDB id 324 STU RS16140 WP 011226306.1        ADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLEN   480
NTDB id 292 STER RS06940 WP 011681419.1       ADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLEN   480
consensus                                     *!*!!!**!*!!!***!!*!!**!*!*!!*!!!!!!!!!*!**!******!!!!**!**!!**!!!!!**!*!**!**!
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logo
NTDB id 170017 AXE83 RS08770 WP 060956164.1  ATFQAPTTADHDYDLN.LDGWSADYQDPSTYLNPFNAEDGFYLKI.LGLDPSKDTDKITSIGLDQYTQKLKAADAENTDV  556
NTDB id 475 HSISS4 RS07005 WP 021143809.1    ATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDD.PNNAAAAQVGLKDYDALLDSAASETTDL  559
NTDB id 324 STU RS16140 WP 011226306.1       VTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDD.PNNAAAAQVGLKDYDALLNSAASETSDL  559
NTDB id 292 STER RS06940 WP 011681419.1      ATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDD.PNNAAAAQVGLKDYDALLNSAASETSDL  559
consensus                                    *!**!***!**!*!******!**!!!!!!!!!**!********!***!*!* *********!!**!***!**!**!**!*

logo
NTDB id 170017 AXE83 RS08770 WP 060956164.1  AKRYENYADAQAWLIDSSLLLPVNSNGG.GASVTRVTPFTRAYSLVGIKGTGS.NYKYMRLQTDVVTSSQFAEAKAKWEQ  634
NTDB id 475 HSISS4 RS07005 WP 021143809.1    NARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLK  638
NTDB id 324 STU RS16140 WP 011226306.1       NVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLK  639
NTDB id 292 STER RS06940 WP 011681419.1      NVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLK  639
consensus                                    **!!**!!*!!!!!*!!!!**!*****!******!*!!!!*!***!!*!*** ***!!***!**!!!*********!!**

logo
NTDB id 170017 AXE83 RS08770 WP 060956164.1  ERKNSVEKSQKDFESHVK  652
NTDB id 475 HSISS4 RS07005 WP 021143809.1    EKKASNEKAQKDLEKHVK  656
NTDB id 324 STU RS16140 WP 011226306.1       EKKESNEKAQKDLEKHVK  657
NTDB id 292 STER RS06940 WP 011681419.1      EKKESNEKAQKDLEKHVK  657
consensus                                    !*!*!*!!*!!!*!*!!!
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X non conserved
X similar
X ≥ 50% conserved