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logo
NTDB id 284726 SK637 RS08155 WP 033689366.1   MTTKKRVLSAGLTFAAALLLAACGQ.SGSDTKTYSSTFSGNPTTFNYLLDYYADNTAIITNLVDGLLENDNHGNLVPSLA   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 284726 SK637 RS08155 WP 033689366.1   EDWSVSSDGLTYTYKLRKDAKWFTADGEEYAPVKAQDFVTGIKYAVDNKSQAIDLIQNSIKGLNDYITGADSDFSKVGVK   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 284726 SK637 RS08155 WP 033689366.1   AIDDQTVEYTLARPEPYWNSKTTNSILFPVNEEFLNSKGKDFGTL.SPDSILYSGPYLLKDFTSKSSIEYVKNPHYYDHD   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 284726 SK637 RS08155 WP 033689366.1   KVSIEHVKLAYFDGSDQELTIRNFESGAYSIAGVYPNSSNFAKTKEKYKDNIVYSLQDKTSWYFNFNVNRKAYNHTAKTT   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 284726 SK637 RS08155 WP 033689366.1   DEQKKSTETAVLNKNFRQAVNFALDRTAYSAQSNGEEAASKTLRNTLVPPTFVQVGDKTFGEVVASKLVNYGTEWSDINL   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                                     !**!*!!**!*!!!*!!!**!!!*!! !!**!*!!***!****!!**!!**!!**!!!!!!**!**!***!!*!!!**!

logo
NTDB id 284726 SK637 RS08155 WP 033689366.1   ADAQDAYFNKEKAQAKFAEAKKDLASQGVTFPIHLDVAVDQTSKNAVTGMNSVKQTLESVLGADNLVIDVQQLSTDEYNN   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 284726 SK637 RS08155 WP 033689366.1  VAFLAPTAADRDYDLN.FDGWVGDYQDPSTYLNPFNAEDGFYLKIFGLDAREDKAKIASLGLDTYTKMLKDADSENKDVA   557
NTDB id 475 HSISS4 RS07005 WP 021143809.1    ATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLN   560
NTDB id 324 STU RS16140 WP 011226306.1       VTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
NTDB id 292 STER RS06940 WP 011681419.1      ATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
consensus                                     ***!**!!**!*!******!**!!!!!!!!!**!********!*!********!**!**!!**!***!**!*!!**!**

logo
NTDB id 284726 SK637 RS08155 WP 033689366.1  KRYEKYAEAQAWMIDNSLIMSAMSS.GGTASVTKVTPFTRGYSLVGIKGDG.NNYKYMKLQKDTVTIKQYEEAKAKWEQE   635
NTDB id 475 HSISS4 RS07005 WP 021143809.1    ARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKE   639
NTDB id 324 STU RS16140 WP 011226306.1       VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
NTDB id 292 STER RS06940 WP 011681419.1      VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
consensus                                    *!!**!!*!!!!**!*!!********!********!!!!*****!!*!*******!!*!*!***!!*!*!!****!!**!

logo
NTDB id 284726 SK637 RS08155 WP 033689366.1  SKKAIEKAQKEAENHVK   652
NTDB id 475 HSISS4 RS07005 WP 021143809.1    KKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1       KKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1      KKESNEKAQKDLEKHVK   657
consensus                                    *!***!!!!!**!*!!!
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X non conserved
X similar
X ≥ 50% conserved